



No. 49

7 DECEMBER 2002



UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Imagery and Mapping Agency

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

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



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IMPORTANT INFORMATION

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

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

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

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

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

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

<u>Observer</u>	<u>Ship/Organization</u>
Thomas A. Nadeau	M/V SEA RIVER BAYTOWN

Cover Photo: The **USS ABRAHAM LINCOLN (CVN-72)** is America's fifth Nimitz class carrier and was named in honor of our nation's 16th President and the second ship to bear the name. She was built in Virginia by Newport News Shipbuilding and Drydock Co. at a cost of more than \$3.5 billion. Construction took nearly five years and more than 40 million manhours. A marvel of engineering, craftsmanship and technology she was christened on 13 February 1988 and was commissioned 11 November 1989. **USS ABRAHAM LINCOLN** is charged with supporting America's tactical air capability and maintaining open sea lanes. As it carries out this mission on the oceans of the world, Lincoln brings a message of peace through strength. The ship's logo, "shall not perish," comes from President Lincoln's own vision of our nation described in his famous Gettysburg Address: "...that the government of the people, by the people, for the people, shall not perish from the Earth". She is 1,092 feet in length, has a beam of 252 feet, a height of 206 feet, a full displacement of 104,112 tons and it's four main engines develop 260,000 SHP. She can carry 80+ tactical, combat and support aircraft including the F/A-18 Hornet, F-14 Tomcat, EA-6B Prowler, S-3B Viking, C-2A Greyhound, E-2C Hawkeye, SH-60F Seahawk and HH-60H Helicopter. She can accommodate 6,000+ sailors and 200 Officers. The Lincoln is homeported at Naval Station Everett, Washington.

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 49/02

HYDROGRAM

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

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

7 December 2002

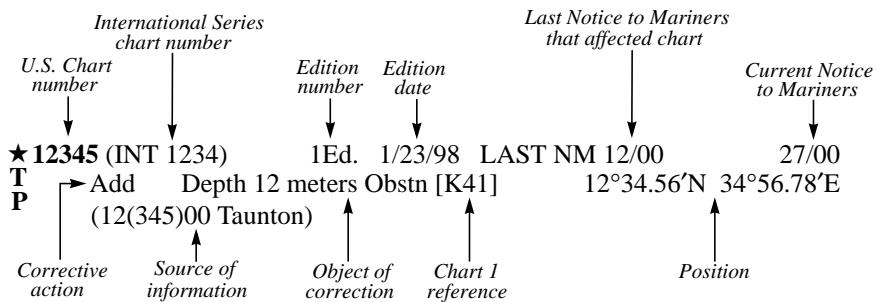
NEW EDITION OF COAST PILOT

U.S. COAST PILOT 4, ATLANTIC COAST, CAPE HENRY TO KEY WEST, THIRTY-FORTH EDITION, 2002, IS READY FOR ISSUE. SEE SECTIONS II AND III.

EXPLANATION OF CONTENTS

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

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



A chart correction preceded by:

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

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

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

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

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

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

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

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

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

**SECTION I
CHART CORRECTIONS**

11316	38Ed. 7/28/01 LAST NM 40/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	★11363	38Ed. 3/30/02 LAST NM 43/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02
★11317	29Ed. 2/16/02 LAST NM 40/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	11364	38Ed. 7/21/01 LAST NM 43/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02
★11322	27Ed. 9/1/01 LAST NM 37/02 (Side B) Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	11369	43Ed. 3/10/01 LAST NM 43/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02
★11325	34Ed. 2/16/02 LAST NM 37/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	11373	42Ed. 6/02 LAST NM 45/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02
11327	30Ed. 5/26/01 LAST NM 37/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	11374	31Ed. 8/02 LAST NM 45/02 (Side B) Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02
★11328	22Ed. 6/2/01 LAST NM 47/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	★11375	34Ed. 3/10/01 LAST NM 41/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02
11329	34Ed. 1/12/02 LAST NM 47/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	★11425	34Ed. 9/02 LAST NM 46/02 (Side A) Add Light "1" Fl 2.5s (Priv) 26°43'05"N 82°15'31"W Light "2" Fl 4s (Priv) 26°43'01"N 82°15'29"W (42/02 CG7)	49/02
★11332	28Ed. 8/02 LAST NM 43/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	11427	32Ed. 6/9/01 LAST NM 12/02 (Side B) Add Light "1" Fl 2.5s (Priv) 26°43'05"N 82°15'31"W Light "2" Fl 4s (Priv) 26°43'01"N 82°15'29"W (42/02 CG7)	49/02
11341	38Ed. 3/10/01 LAST NM 43/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	★11468	39Ed. 8/02 LAST NM 43/02 Relocate Light "A" from 25°47'04.6"N 80°10'48.7"W to 25°47'04.9"N 80°10'48.8"W Light "B" from 25°47'10.5"N 80°10'54.8"W to 25°47'11.0"N 80°10'54.7"W Light "D" from 25°47'01.2"N 80°11'05.9"W to 25°47'01.5"N 80°11'06.0"W Light "E" from 25°46'54.6"N 80°11'00.2"W to 25°46'55.0"N 80°11'00.3"W (39/02 CG7)	49/02
★11342	51Ed. 9/30/00 LAST NM 43/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	★11478	19Ed. 4/14/01 LAST NM 31/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02
★11343	36Ed. 9/15/01 LAST NM 40/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	11481	4Ed. 8/02 LAST NM 42/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02
★11344	34Ed. 8/25/01 LAST NM 47/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	11505	1Ed. 9/23/00 LAST NM 40/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02
★11347	33Ed. 7/02 LAST NM 47/02 (Side A) Add Tabulation of controlling depths from Subsection I-2 (Side B) Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	★11506	39Ed. 10/7/00 LAST NM 39/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02
11353	2Ed. 3/16/02 LAST NM 45/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	★11512	58Ed. 11/17/01 LAST NM 48/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02

SECTION I

11513	23Ed. 12/23/00 LAST NM 32/02 Delete Light	49/02 32°12'24"N 80°35'50"W	★13260 38Ed. 4/27/02 LAST NM 48/02 Add Buoy "E" Y, Fl Y 4s (43/02 CG1)	49/02 43°29.7'N 67°52.8'W
	Add Range light, front Q 19ft, Q 33ft 4M Note: Range bearing unchanged (36/02 CG7)	32°11'54"N 80°35'47"W		
11514	26Ed. 7/02 LAST NM 40/02 (Side A)	49/02	13263 7Ed. 4/24/99 LAST NM N48/02 Add Buoy "E" Y, Fl Y 4s (43/02 CG1)	N49/02 43°29.7'N 67°52.8'W
Add Tabulation of controlling depths from Subsection I-2 (NOS)			13264 103Ed. 1/7/95 LAST NM 36/02 Add Buoy "E" Y, Fl Y 4s (43/02 CG1)	49/02 43°29.7'N 67°52.8'W
★11516	29Ed. 11/17/01 LAST NM 37/02 Delete Light	49/02 32°12'23"N 80°35'50"W	13305 28Ed. 5/5/01 LAST NM 41/02 Add "Aquaculture Pen" area bound by dotted line (limiting danger line) joining (NOS)	49/02 44°08'12"N 68°38'43"W 44°08'10"N 68°38'51"W 44°08'09"N 68°38'50"W 44°08'11"N 68°38'43"W
	Add Range light, front Q 19ft, Q 33ft 4M Note: Range bearing unchanged (36/02 CG7)	32°11'54"N 80°35'47"W		
★12245	60Ed. 1/26/02 LAST NM 46/02 Change Legend to "Pier 1"	49/02 36°56'02.5"N 76°19'38.1"W	13313 19Ed. 8/28/93 LAST NM 41/02 Add "Aquaculture Pen" area bound by dotted line (limiting danger line) joining (NOS)	49/02 44°08'12"N 68°38'43"W 44°08'10"N 68°38'51"W 44°08'09"N 68°38'50"W 44°08'11"N 68°38'43"W
	Legend to "Pier 2"	36°56'07.5"N 76°19'40.0"W		
	Legend to "Pier 3"	36°56'17.8"N 76°19'40.0"W		
	Legend to "Pier 4"	36°56'25.0"N 76°19'41.0"W		
	Legend to "Pier 5"	36°56'28.9"N 76°19'41.1"W		
	Legend to "Pier 6"	36°56'43.4"N 76°19'40.0"W		
	Legend to "Pier 7"	36°56'49.0"N 76°19'41.0"W		
	Legend to "Pier 8"	36°56'54.5"N 76°19'39.7"W		
	Legend to "Pier 9"	36°57'00.0"N 76°19'38.7"W		
	Legend to "Pier 10"	36°57'04.4"N 76°19'38.0"W		
	Legend to "Pier 11"	36°57'16.4"N 76°19'37.9"W		
	Legend to "Pier 12"	36°57'25.9"N 76°19'45.6"W		
	Legend to "Pier 13"	36°57'34.9"N 76°19'42.8"W		
(NTM0010/2002)				
★12350	57Ed. 8/02 LAST NM 39/02 Relocate Buoy "24" from 40°38'18.7"N 73°51'54.6"W to 40°38'17.1"N 73°51'52.9"W (43/02 CG1)	49/02	14003 6Ed. 4/27/96 LAST NM 48/02 Add Buoy "E" Y, Fl Y 4s (43/02 CG1)	49/02 43°29.7'N 67°52.8'W
★12358	19Ed. 9/02 LAST NM 46/02 Change Light to Fl Y 4s 58ft 8M	49/02 41°06'35"N 72°18'22"W	★16061 8Ed. 1/26/02 LAST NM 37/02 Delete Legend "Q Lts (Priv)" (37/02 CG17)	49/02 70°22'10"N 148°02'40"W
★12362	16Ed. 7/7/90 LAST NM 30/01 Change Range light, rear to FR 44ft 14M	49/02 40°56'47.3"N 73°04'14.9"W	16700 27Ed. 3/9/02 LAST NM 21/02 Delete Buoy (37/02 CG17)	49/02 60°36.2'N 147°12.7'W
	Add Visibility (range) 12M to range light, front	40°56'52.1"N 73°04'19.1"W	16705 19Ed. 11/3/01 LAST NM 5/02 Delete Buoy (37/02 CG17)	49/02 60°36'13"N 147°12'42"W
	(43/02 CG1)		16708 25Ed. 10/6/01 LAST NM 37/02 Delete Buoy (37/02 CG17)	49/02 60°36'14"N 147°12'42"W
12364	33Ed. 2/16/02 LAST NM 47/02 (Page H, Inset 14)	49/02	16709 22Ed. 1/19/02 LAST NM 15/02 Delete Buoy (37/02 CG17)	49/02 60°36'13"N 147°12'42"W
Change	Range light, front to QR 20ft 12M	40°56'52.1"N 73°04'19.1"W	★16713 2Ed. 1/19/02 LAST NM 13/02 Delete Buoy (37/02 CG17)	49/02 60°36'13"N 147°12'42"W
	Add Visibility (range) 14M to range light, rear	40°56'47.3"N 73°04'15.0"W	★17383 1Ed. 6/02 LAST NM 31/02 Add Note "NOTE C WARNING The hydrography in this area is from preliminary survey information subject to office verification. Mariners are urged to exercise caution when transiting this area." Legend "(see note C)"	49/02 56°19'42"N 132°41'36"W
13000	Ed. 12/14/84 LAST NM N48/02 Add Buoy "E" Y, Fl Y 4s (43/02 CG1)	N49/02 43°29.7'N 67°52.8'W		
13003	45Ed. 10/28/00 LAST NM 48/02 Add Buoy "E" Y, Fl Y 4s (43/02 CG1)	49/02 43°29.7'N 67°52.8'W		
13006	30Ed. 7/02 LAST NM 48/02 Add Buoy "E" Y, Fl Y 4s (43/02 CG1)	49/02 43°29.7'N 67°52.8'W		
13009	30Ed. 8/02 LAST NM 48/02 Add Buoy "E" Y, Fl Y 4s (43/02 CG1)	49/02 43°29.7'N 67°52.8'W	(NOS)	56°20'18"N 132°39'36"W

SECTION I

NM 49/02

★18502	84Ed. 6/02 LAST NM 42/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	★18659	14Ed. 9/18/99 LAST NM 30/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02
★18521	69Ed. 6/02 LAST NM 39/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	★18660	1Ed. 9/25/99 LAST NM 30/02 Add Tabulation (2) of controlling depths from Subsection I-2 (NOS)	49/02
★18581	17Ed. 9/02 NEW EDITION (NOS)	49/02	19339	1Ed. 7/19/97 LAST NM N35/02 Add Depth 17 fathoms with legend "Obstn" enclosed by dashed-line circle (35/02 CG14)	N49/02 21°17.5'N 157°56.4'W
★18583	38Ed. 11/4/00 LAST NM 42/02 Delete Depth 28 feet 44°01'05.9"N 124°09'06.7"W Depth 15 feet 44°01'08.3"N 124°09'00.5"W Depth 17 feet 44°01'06.6"N 124°09'02.9"W Substitute Depth 25 feet for 31 feet 44°01'09.7"N 124°09'07.9"W Add Tabulation of controlling depths from Subsection I-2 Depth 15 feet 44°01'04.7"N 124°09'07.1"W (NOS)	49/02	19340	26Ed. 12/2/00 LAST NM 35/02 Add Depth 17 fathoms with legend "Obstn" enclosed by dashed-line circle (35/02 CG14)	49/02 21°17.5'N 157°56.4'W
★18584	47Ed. 8/25/01 LAST NM 39/02 Delete Depth 28 feet 43°40'02.8"N 124°13'27.0"W Substitute Depth 17 feet for 15 feet 43°40'09.3"N 124°12'17.4"W Depth 21 feet for 32 feet 43°40'54.9"N 124°11'22.4"W Add Tabulation of controlling depths from Subsection I-2 Depth 23 feet 43°40'03.5"N 124°13'26.9"W (NOS)	49/02	19357	22Ed. 8/02 LAST NM 42/02 Add Depth 17 fathoms with legend "Obstn" enclosed by dashed-line circle (35/02 CG14)	49/02 21°17'32"N 157°56'24"W
★18588	36Ed. 3/25/00 LAST NM 33/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	19362	12Ed. 6/1/96 LAST NM 48/00 Add Depth 17 fathoms with legend "Obstn" enclosed by dashed-line circle (35/02 CG14)	49/02 21°17'32"N 157°56'24"W
★18622	52Ed. 6/30/01 LAST NM 28/02 Substitute Depth 11 feet for 40 feet 40°45'54.1"N 124°14'18.9"W Change Legend to "42 FEET JUN 2002" 40°45'17"N 124°13'29"W (See 28/02-18622) Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	★19366	36Ed. 1/12/02 LAST NM 31/02 Add Depth 100 feet with legend "Obstn" enclosed by dashed-line circle (35/02 CG14)	49/02 21°17'32"N 157°56'24"W
18643	16Ed. 12/16/95 LAST NM 24/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02	★19367	37Ed. 5/8/99 LAST NM 31/02 Delete Legend "(lighted)" 21°17'27.7"N 157°51'30.8"W Note: Position circle "POLE" remains (35/02 CG14)	49/02
18652	31Ed. 9/29/01 LAST NM 41/02 (Page D, Inset 7) Delete Lights (2) in vicinity 38°06'32"N 122°16'15"W (42/02 CG11)	49/02	19369	5Ed. 7/8/00 LAST NM 31/02 Add Depth 17 fathoms with legend "Obstn" enclosed by dashed-line circle (35/02 CG14)	49/02 21°17'32"N 157°56'24"W
18654	42Ed. 4/6/02 LAST NM 38/02 Delete Lights (2) in vicinity 38°06'32"N 122°16'15"W Add Tabulation of controlling depths from Subsection I-2 (NOS; 42/02 CG11)	49/02	19381	8Ed. 7/17/93 LAST NM 25/02 Change Red sector of light to 250°-290° 21°57'24"N 159°20'53"W (42/02 CG14)	49/02
★18655	58Ed. 12/22/01 LAST NM 19/02 Delete Lights (2) in vicinity 38°06'31"N 122°16'16"W Add Tabulation of controlling depths from Subsection I-2 (Extension) Delete Lights (2) in vicinity 38°06'31"N 122°16'15"W (NOS; 42/02 CG11)	49/02	★19383	17Ed. 5/27/00 LAST NM 34/00 Change Sectors of light to red 250°-290°, white-045°, red-65°, white-250° 21°57'24"N 159°20'53"W (42/02 CG14)	49/02
			24050	11Ed. 10/18/97 LAST NM 38/02 Add Racon [S3.1] to buoy "Km 9.35" (39(4195)02 Taunton)	49/02 34°59.9'S 56°13.5'W
			24055	6Ed. 10/4/97 LAST NM 37/02 Add Racon [S3.1] to buoy "Km 9.35" (39(4195)02 Taunton)	49/02 34°59.9'S 56°13.5'W
			24057	4Ed. 6/29/96 LAST NM 38/02 Add Racon [S3.1] to buoy "Km 9.35" Pilot station symbol [T1.1] (Plan) Add Racon [S3.1] to buoy "Km 9.35" (39(4195)02 Taunton)	49/02 34°59'52"S 56°13'29"W 35°02'00"S 56°02'00"W
			24480	1Ed. 6/16/90 LAST NM 45/02 (Panel A) Change Visibility (range) of light to 15M (51/02 Bogota)	49/02 8°40.5'N 77°21.6'W

SECTION I

24482	2Ed. 6/3/95 LAST NM 24/02 (Panel B)	49/02	Relocate Position circle "Pyl" from to (PA) (See 32/98, 24/02-24482) (BA CH 1519)	10°47'22"N 71°35'56"W 10°47'18"N 71°35'56"W	Buoy "2" R, conical, Fl R 10s Racon 17°54'23.3"N 76°45'48.5"W
24483	2Ed. 7/22/95 LAST NM 24/02 Add Position circle "Pyl" from to (PA) (See 24/02-24483) (BA CH 1519)	49/02		10°47'22"N 71°35'56"W 10°47'18"N 71°35'56"W	Buoy "1" G, can, Fl G 1.5s (42(4517)02 Taunton) 17°53'57.8"N 76°45'56.5"W
24484	3Ed. 10/3/98 LAST NM 24/02 (Panel B)	49/02	Add Position circle "Pyl" from to (PA) (See 24/02-24484) (BA CH 1519)	10°47'22.0"N 71°35'56.0"W 10°47'18.0"N 71°35'56.0"W	Change Designation of buoy "1" to "4" 23°14'47"N 81°07'27"W
24517	2Ed. 6/10/95 LAST NM 46/02 Add Buoy "1", pillar (64/02 Bogota)	49/02		8°03'32"N 76°44'06"W	Add Buoy "1" Y, pillar, "X" topmark, Fl Y 5s 23°15'36"N 81°07'48"W
★25670	41Ed. 4/13/02 LAST NM 48/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/02			Buoy "2" Y, pillar, "X" topmark, Fl Y 4s 23°15'51"N 81°07'03"W
★25683	17Ed. 11/11/00 LAST NM 30/02 Delete Lights (2) Light	49/02		17°58'02"N 66°37'16"W 17°58'24"N 66°37'07"W	Buoy "3" Y, pillar, "X" topmark, Fl Y 6s 23°14'55"N 81°06'59"W
	Change Light to FR 5ft (Priv) and delete legend "PA"			17°58'07.9"N 66°37'16.5"W	Purple composite line joining above 4 buoys
	Add Light FR 10ft (Priv) Light FY 10ft (Priv)			17°58'01.5"N 66°37'16.4"W 17°58'00.7"N 66°37'15.6"W	Buoy (mooring) [Q40] "11" 23°14'49"N 81°06'49"W
				17°58'23.6"N 66°37'07.3"W	Buoy (mooring) [Q40] "12" 23°13'50"N 81°10'48"W
				17°58'22.4"N 66°36'56.5"W	Buoy (mooring) [Q40] "13" 23°13'12"N 81°11'22"W
				17°58'02.5"N 66°37'14.2"W	Buoy (mooring) [Q40] "14" 23°16'02"N 81°07'22"W
				17°58'00.6"N 66°37'05.6"W	Buoy (mooring) [Q40] "15" 23°16'33"N 81°06'20"W
				17°57'59.8"N 66°37'01.9"W	Buoy (mooring) [Q40] "16" 23°16'44"N 81°05'59"W
				17°57'45.6"N 66°37'09.0"W	Buoy (mooring) [Q40] "17" 23°17'12"N 81°04'59"W
					Buoy (mooring) [Q40] "18" 23°14'50"N 81°07'12"W
					(11(113)01 Habana)
26060	1Ed. 5/25/91 LAST NM 37/01 Change Visibility (range) of light to 15M (51/02 Bogota)	49/02		8°40.5'N 77°21.6'W	27082 6Ed. 10/22/94 LAST NM 18/02 Delete Purple composite line joining
26127	21Ed. 10/29/94 LAST NM 5/02 Delete Range light, front, range line and legend "Lights...284°00'" between 17°56'12"N 76°52'24"W 17°54'18"N 76°44'18"W	49/02			23°14'47"N 81°07'27"W
	Note: Light at Lazaretto remains				23°14'55"N 81°06'58"W
	Buoy			17°54'35"N 76°45'25"W	23°15'53"N 81°07'16"W
	Add Buoy "2" R, conical, Fl R 10s Racon (42(4517)02 Taunton)			17°54'23"N 76°45'48"W	23°15'39"N 81°07'50"W
26128	50Ed. 2/28/98 LAST NM 5/02 Delete Range light, front, range line and legend "Lights...284°00'" between 17°56'09.8"N 76°52'25.6"W 17°54'12.0"N 76°44'12.0"W	49/02			Change Designation of buoy "1" to "4" 23°14'47"N 81°07'27"W
	Note: Range light, rear remains				Add Buoy "1" Y, pillar, "X" topmark 23°15'36"N 81°07'48"W
	Buoy			17°54'31.2"N 76°45'31.5"W	Buoy "2" Y, pillar, "X" topmark, Fl Y 4s 23°15'51"N 81°07'03"W
	Relocate Buoy "East Middle" from 17°54'47.0"N 76°47'06.0"W to 17°54'49.9"N 76°47'02.2"W and change designation to "5 East Middle"				Buoy "3" Y, pillar, "X" topmark, Fl Y 6s 23°14'55"N 81°06'59"W
	Add Buoy G, can, Fl G 5s Buoy G, can, Fl G 3s Buoy "6" R, conical, Fl R 3s Buoy "4" R, conical, Fl R 1.5s Buoy "3" G, can, Fl G 3s			17°55'39.9"N 76°50'08.3"W 17°55'36.2"N 76°50'12.1"W 17°54'57.9"N 76°46'53.5"W 17°54'48.3"N 76°46'21.0"W 17°54'25.0"N 76°46'21.4"W	Purple composite line joining above 4 buoys Buoy (mooring) [Q40] "11" 23°14'49"N 81°06'49"W
					Buoy (mooring) [Q40] "12" 23°13'50"N 81°10'48"W
					Buoy (mooring) [Q40] "13" 23°13'12"N 81°11'22"W
					Buoy (mooring) [Q40] "14" 23°16'02"N 81°07'22"W
					Buoy (mooring) [Q40] "15" 23°16'33"N 81°06'20"W
					Buoy (mooring) [Q40] "16" 23°16'44"N 81°05'59"W
					Buoy (mooring) [Q40] "17" 23°17'12"N 81°04'59"W
					Buoy (mooring) [Q40] "18" 23°14'50"N 81°07'12"W
					(11(113)01 Habana)
27163	21Ed. 11/5/94 LAST NM 9/02 Add Beacon "2-C" R, cone topmark	49/02			37120 2Ed. 3/22/97 LAST NM 42/02 Change Light to Fl(2) G 6s 11M (9(6)00 Brest)
					22°08'59.6"N 80°27'52.1"W
					(12(118)01 Habana)
37123	9Ed. 8/8/98 LAST NM 19/02 Change Light to Fl(2) G 6s 35m 11M (9(6)00 Brest)	49/02			37125 15Ed. 8/24/96 LAST NM 42/02 Change Light to Fl(2) G 6s 35m 11M (9(6)00 Brest)
					51°03'38"N 2°20'58"E
					37127 11Ed. 1/18/86 LAST NM 28/01 Change Light to Fl(2) G 6s 35m 11M (9(6)00 Brest)
					51°03'38"N 2°21.05'E
					37129 6Ed. 5/31/97 LAST NM 42/02 Change Light to Fl(2) G 6s 35m 11M (9(6)00 Brest)
					51°03'38.0"N 2°20'58.0"E

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37140	33Ed. 5/25/96 LAST NM 35/02 Change Light to Fl(2) G 6s 11M (9(6)00 Brest)	49/02 51°03.6'N 2°21.0'E	44185	7Ed. 3/23/96 LAST NM 48/02 Delete Light and Racon 59°17'28.2"N 18°52'49.2"E	49/02
37367	1Ed. 8/30/97 LAST NM 38/02 (Panel C) Delete Light Light (50(34)99 Brest)	49/02 47°12'29.0"N 1°42'33.7"W 47°12'28.5"N 1°42'37.5"W	Add Light Q 8m 3M Racon [S3.1] with visible sector 165°–275° (25(478)01 Norrkoping)	59°17'29.4"N 18°52'43.2"E	
44001	2Ed. 10/19/96 LAST NM 48/01 Add Superbuoy ODAS [Q26] with light flare symbol (21(266)02 Norrkoping)	49/02 57°25.0'N 19°03.1'E	44224	1Ed. 8/22/92 LAST NM 4/01 Add Submarine cable (power) [L31.1] between 63°15'37"N 18°50'03"E 63°15'29"N 18°49'36"E	49/02
44015	8Ed. 7/22/95 LAST NM 48/02 Add Superbuoy ODAS [Q26] with light flare symbol (21(266)02 Norrkoping)	49/02 57°25.0'N 19°03.1'E	Submarine cable (power) [L31.1] between 63°15'02"N 18°49'32"E 63°14'52"N 18°49'54"E	Submarine cable [L30.1] between 63°15'26"N 18°46'04"E 63°15'19"N 18°45'42"E	
44042	7Ed. 8/22/92 LAST NM 45/02 Delete Buoy Buoy	49/02 57°42'22.1"N 11°55'34.4"E 57°42'24.6"N 11°55'35.8"E	Add (Plan) Submarine cable [L30.1] between 63°15'25.8"N 18°46'03.6"E 63°15'19.2"N 18°45'42.0"E (39(890)00 Norrkoping)		
44240	8Ed. 7/19/97 LAST NM 22/01 (Plan) Add Buoy R, spar (29(544)01 Norrkoping)	49/02 63°17'12"N 19°08'13"E	44280	9Ed. 7/13/96 LAST NM 34/02 Add Depth 5.4 meters (41(562)02 Norrkoping)	49/02 65°29.3'N 22°24.7"E
44281	2Ed. 4/6/96 LAST NM 9/01 Add Depth 5.4 meters (41(562)02 Norrkoping)	49/02 65°29'19"N 22°24'43"E	44282	1Ed. 2/22/92 LAST NM 6/01 (Panel A) Change Buoy to R, pillar Add Buoy G, spar Beacon	49/02 63°44'01"N 20°19'31"E 63°40'51"N 20°19'48"E 63°40'46"N 20°20'01"E
			Add (Plan) Buoy G, spar Beacon (39(887-889)00 Norrkoping)		63°40'51"N 20°19'48"E 63°40'46"N 20°20'01"E
44420	6Ed. 12/14/96 LAST NM 36/02 Add Superbuoy ODAS [Q26] with light flare symbol (21(266)02 Norrkoping)	49/02 57°25.0'N 19°03.1'E	51263	23Ed. 9/27/97 LAST NM 37/01 Add Buoy (mooring) "PNM" Y [Q40] (9(190)02 Lisboa)	49/02 32°38'16.6"N 16°52'17.7"W
44105	2Ed. 1/29/94 LAST NM 37/01 Delete Beacon (21(272)02 Norrkoping)	49/02 56°08'23"N 15°03'14"E	53303	6Ed. 12/28/96 LAST NM 49/01 (Plan A) Delete "RESTRICTED ANCHORAGE CAUTION NO 2" area in vicinity Depth 1.7 meters	49/02 41°55'52.5"N 8°44'48.0"E 41°56'00.2"N 8°44'47.3"E
44182	4Ed. 5/28/94 LAST NM 48/02 Delete Buoy Buoy	49/02 59°18'25.8"N 18°02'16.2"E 59°22'33.0"N 18°03'03.0"E	Change No. 2 of "CAUTIONS" note to "2. Vessels and small crafts are prohibited from entering or anchoring within 200 meters of the outfall, when a methane tanker is berthed at the pier." Add Submarine pipeline (outfall) [L40.1] between 41°56'01.0"N 8°44'46.5"E 41°55'55.2"N 8°44'51.6"E	"PROHIB AREA" bound by purple composite- line circle, radius 25 meters, centered 41°55'55.2"N 8°44'51.6"E Purple composite line, (restricted area limit) [N2.1] between 41°55'52.3"N 8°44'43.2"E 41°55'58.2"N 8°44'38.6"E	
44184	9Ed. 5/11/96 LAST NM 48/02 Delete Light and Racon (25(478)01 Norrkoping)	49/02 59°17'28.2"N 18°52'49.2"E			

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53303	(Continued)				
	Purple composite line, (restricted area limit) [N2.1] between	41°55'58.0"N 8°44'58.6"E 41°56'01.0"N 8°44'57.2"E			
	"RESTRICTED ANCHORAGE CAUTION NO 2" bound by shore, above purple composite lines and purple composite-line arc of a circle, radius 200 meters, centered arc joining	41°55'55.2"N 8°44'51.6"E 41°55'52.3"N 8°44'43.2"E 41°55'49.8"N 8°44'54.9"E 41°55'58.0"N 8°44'58.6"E			
	(32(27)99 Brest)				
56100	13Ed. 3/2/96 LAST NM 41/02 Change Note to		49/02		
	"NOTE The Traffic Separation Scheme(s) on this chart is approved by the International Maritime Organization (IMO)" (See 01/02-56100) (NTM0041/2002)	30°50.0'N 32°20.0'E			
56104	2Ed. 9/30/95 LAST NM 41/02 Change Note to		49/02		
	"NOTE The Traffic Separation Scheme(s) on this chart is approved by the International Maritime Organization (IMO)" (See 01/02-56104) (NTM0041/2002)	31°18'30"N 32°04'00"E			
62093	7Ed. 9/2/95 LAST NM 41/02 Add Stranded wreck [K24] (13(37)02 Brest)	11°35'58.2"N 43°07'42.2"E	49/02		
62095	2Ed. 6/19/93 LAST NM 41/02 Delete Land tint area between (See 3/02-62095)	11°36'18.1"N 43°08'11.7"E 11°36'20.0"N 43°08'08.7"E	49/02		
	Add Stranded wreck [K24] (17(36)01, 13(37)02 Brest)	11°35'58.2"N 43°07'42.2"E			
62402	9Ed. 8/1/98 LAST NM 20/02 Change Designation of buoy "E-01" to "Approach" Designation of buoy "E-03" to "E-01" Designation of buoy "E-05" to "E-03" (See 5/02-62402) (16/02 MENAS)	25°12'29"N 51°44'25"E 25°10'48"N 51°44'12"E 25°08'38"N 51°43'57"E	49/02		
62440	7Ed. 10/12/96 LAST NM 20/02 Add Designation of buoy "E-01" to "Approach" (See 5/02-62440) (16/02 MENAS)	25°12'28"N 51°44'24"E	49/02		
62457	5Ed. 5/6/95 LAST NM 36/02 Relocate Buoy "South Arrif" from 24°51'00.0"N 51°41'00.0"E to 24°51'08.4"N 51°47'06.0"E		49/02		
	Change Designation of buoy "E-13A" to "E-13" Designation of buoy "E-14A" to "E-14" Designation of buoy "E-13" to "E-15" Designation of buoy "E-14" to "E-16" Designation of buoy "E-15" to "E-17" Designation of buoy "E-16" to "E-18" Designation of buoy "E-17" to "E-19" Designation of buoy "E-18" to "E-20" (See 5, 21, 36/02-62457) (14, 16/02 MENAS)	24°57'21.5"N 51°47'21.8"E 24°57'26.4"N 51°47'33.0"E 24°56'45.5"N 51°47'25.4"E 24°56'05.3"N 51°47'10.1"E 24°56'14.5"N 51°47'03.5"E 24°55'09.4"N 51°45'50.5"E 24°55'18.6"N 51°45'45.2"E 24°53'48.7"N 51°45'54.5"E			
62464	2Ed. 12/8/01 LAST NM 31/02 Add Depth 5 meters, blue tint and enclosing depth contour (5-meter) centered	25°01'43.2"N 55°02'56.4"E (44(4702)02 Taunton)	49/02		
62499	4Ed. 12/8/01 LAST NM 31/02 Add Depth 5 meters, blue tint and enclosing depth contour (5-meter) centered	25°01'43.2"N 55°02'56.4"E (44(4702)02 Taunton)	49/02		
62520	5Ed. 2/21/98 LAST NM 43/02 Change Designation of buoy "E-01" to "Approach" (See 5/02-62520) (16/02 MENAS)	25°12.5'N 51°44.4"E	49/02		
62521	3Ed. 2/21/98 LAST NM N43/02 Change Designation of buoy "E-01" to "Approach" (See N5/02-62521) (16/02 MENAS)	25°12.5'N 51°44.4"E	N49/02		
71027	9Ed. 9/19/98 LAST NM 45/02 Delete Wreck		49/02		
	Substitute Swept depth 23 meters Wk [K27] for dangerous wreck (See 7/02-71027)	1°27.3'N 104°24.6'E			
	Add Depth 39 meters Wk [K26] Depth 40 meters Wks [K26] Depth 49 meters Wk [K26] Stranded wreck [K24]	1°36.7'N 105°11.0'E 1°28.6'N 104°54.5'E 2°10.6'N 105°06.0'E 7°36.6'N 113°45.8'E			
	Depth 80 meters (no bottom found) [I13]	7°35.8'N 114°40.2'E			
	(42(4486, 4487)02 Taunton; 28/02 Malaysia; RMN CH 781)				
71033	31Ed. 2/3/96 LAST NM 38/02 Substitute Swept depth 23 meters Wk [K27] for dangerous wreck (See 7/02-71033)	1°27.3'N 104°24.6'E	49/02		
	Add Depth 39 meters Wk [K26] Depth 40 meters Wks [K26]	1°36.7'N 105°11.0'E 1°28.6'N 104°54.5'E			
71265	3Ed. 6/8/02 LAST NM 46/02 Substitute Swept depth 23 meters Wk [K27] for dangerous wreck	1°27'18"N 104°24'36"E	49/02		
	Add Depth 40 meters Wks [K26]	1°28'37"N 104°54'31"E			
	(42(4486)02 Taunton; 28/02 Malaysia)				
71440	1Ed. 8/29/87 LAST NM 38/02 Substitute Swept depth 23 meters Wk [K27] for dangerous wreck (See 7/02-71440)	1°27.3'N 104°24.6'E	49/02		
	Add Depth 39 meters Wk [K26] Depth 40 meters Wks [K26] Depth 49 meters Wk [K26]	1°36.7'N 105°11.0'E 1°28.6'N 104°54.5'E 2°10.6'N 105°06.0'E			
	(42(4486, 4487)02 Taunton; 28/02 Malaysia)				
74009	10Ed. 7/29/95 LAST NM 38/02 Add Danger circle "Well" [L21.1] (22(628)00 Wollongong)	12°56.1'S 128°34.2'E	49/02		
74012	10Ed. 5/27/95 LAST NM 40/02 Add Danger circle "Well" [L21.1] Danger circle "Well" [L21.1] Danger circle "Well" [L21.1] (22(628, 629)00 Wollongong)	12°56.1'S 128°34.2'E 12°27.2'S 124°52.9'E 12°18.1'S 124°19.6'E	49/02		
74261	9Ed. 5/23/98 LAST NM 41/02 Delete R Bn (Aero)	15°28'52"S 145°14'55"E	49/02		
	Add Depth 9.5 meters, blue tint and enclosing depth contour (10-meter)	15°29'01"S 145°18'37"E			
	(22(624)00 Wollongong; BA RA)				

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NM 49/02

74265	2Ed. 7/12/97 LAST NM 47/02 Add Depth 9.5 meters enclosed by depth contour (10-meter) (22(624)00 Wollongong)	49/02 15°29.0'S 145°18.6'E	76050	8Ed. 8/10/96 LAST NM 24/02 Delete Depth 6.1 meters "Cobra Rk" Substitute Depth 47 meters for 36 meters	49/02 36°41.0'S 175°58.9'E 36°41.6'S 175°59.2'E	
74283	2Ed. 11/15/97 LAST NM 46/02 Delete Depth 5.2 meters "Rep (1996)" Depth 27.5 meters	49/02 11°36'35"S 143°51'22"E 11°36'30"S 143°55'15"E	Add Depth 3.7 meters, blue tint and enclosing depth contour (10-meter) 11°37'43"S 143°53'14"E Depth 6 meters, blue tint and enclosing depth contour (10-meter) 11°36'14"S 143°53'28"E Depth 5.9 meters, blue tint and enclosing depth contour (10-meter) 11°36'23"S 143°51'34"E Depth 5 meters, blue tint and enclosing depth contour (10-meter) 11°35'11"S 143°53'03"E Depth 3.8 meters, blue tint and enclosing depth contour (10-meter) 11°33'37"S 143°53'22"E (22(625)00 Wollongong)	76054	5Ed. 1/19/85 LAST NM 9/02 Delete Depth 3 1/4 fathoms "Cobra Rk" Add Depth 24 fathoms Depth 19 fathoms (21(135)02 Wellington)	49/02 36°40'54"S 175°58'54"E 36°39'45"S 175°57'10"E 36°40'44"S 175°58'45"E
74290	11Ed. 9/6/97 LAST NM 48/02 Add Depth 10 meters and enclosing depth contour (10-meter) (22(626)00 Wollongong)	49/02 10°28.8'S 141°37.2'E	93047	2Ed. 4/14/84 LAST NM 45/02 Add Depth 80 meters (no bottom found) [I13] (RMN CH 781)	49/02 7°35'50"N 114°40'10"E	
74296	4Ed. 4/17/99 LAST NM 38/02 Add Depth 10 meters, blue tint and enclosing depth contour (10-meter) (22(626)00 Wollongong)	49/02 10°28'49"S 141°37'10"E	93048	1Ed. 11/20/82 LAST NM 35/02 Add Depth 80 meters (no bottom found) [I13] (RMN CH 781)	49/02 7°35'50"N 114°40'10"E	
74394	2Ed. 10/3/98 LAST NM 41/02 (Plan) Delete Range line and legend "Lts in line 080°" between 12°27'02.9"S 130°49'10.8"E 12°27'07.6"S 130°48'45.3"E Relocate Range light, front from 12°27'03.0"S 130°49'09.0"E to 12°27'03.4"S 130°49'09.0"E Add Range line extending in 256° direction from rear range light 12°27'02.9"S 130°49'10.8"E dashed for 250 meters, thence solid for 600 meters Legend "076°" along above range line 12°27'06.0"S 130°48'57.2"E (22(627)00 Wollongong)	49/02 12°27'02.9"S 130°49'10.8"E 12°27'07.6"S 130°48'45.3"E 12°27'03.4"S 130°49'09.0"E 12°27'02.9"S 130°49'10.8"E 12°27'06.0"S 130°48'57.2"E (22(627)00 Wollongong)	94220	4Ed. 9/23/95 LAST NM 47/02 Add Submarine cable [L30.1] joining Submarine cable [L30.1] between (42(1430)02 Tokyo)	49/02 31°34.7'N 121°54.6'E 31°37.3'N 121°52.5'E 31°40.1'N 121°54.3'E 31°48.8'N 122°16.1'E 31°48.8'N 124°21.7'E 31°37.7'N 124°38.6'E 31°32.7'N 124°45.0'E	
74430	2Ed. 7/12/97 LAST NM 40/97 Add Danger circle "Well" [L21.1] (22(628)00 Wollongong)	49/02 12°56'07"S 128°34'10"E	94260	5Ed. 8/26/95 LAST NM 16/01 Add Buoy G, pillar, cone topmark, Fl G 4s Buoy "01" Y, pillar, "X" topmark, Mo(Q) Y 12s Buoy "1" RW, pillar, ball topmark, Iso 4s 33°52'12"E 120°31'30"E Buoy "08" R, pillar, can topmark, Fl R 4s 32°32'45"N 121°19'52"E Buoy "07" G, pillar, cone topmark, Fl(2) G 6s 32°36'45"N 121°07'00"E (Cna CH 12700)	49/02 34°07'50"N 120°21'33"E 33°52'00"N 120°36'15"E 33°52'12"E 120°31'30"E 32°32'45"N 121°19'52"E 32°36'45"N 121°07'00"E	
74450	3Ed. 3/23/96 LAST NM 26/02 Add Danger circle "Well" [L21.1] Danger circle "Well" [L21.1] (22(629)00 Wollongong)	49/02 12°27.2'S 124°52.9"E 12°18.1'S 124°19.6"E	95066	11Ed. 11/21/98 LAST NM 48/02 Relocate Legend "Works in progress" from 37°03'00"N 126°29'18"E to Substitute Solid line for dashed line joining and add land tint to area bound by shore and above solid line Add Buoy "A" Y, pillar, "X" topmark, QY 37°13'01"N 126°25'10"E Buoy "B" Y, pillar, "X" topmark, QY 37°13'58"N 126°25'15"E Buoy "C" Y, pillar, "X" topmark, QY 37°14'15"N 126°25'23"E Buoy "D" Y, pillar, "X" topmark, QY 37°13'51"N 126°25'36"E Buoy "E" Y, pillar, "X" topmark, QY 37°13'36"N 126°25'29"E Buoy "F" Y, pillar, "X" topmark, QY 37°13'21"N 126°25'21"E (45(489)99, 25(329)02 Inchon)	49/02 37°02'16"N 126°28'42"E 37°03'35"N 126°29'47"E 37°03'35"N 126°29'23"E 37°02'53"N 126°28'55"E 37°02'40"N 126°29'15"E 37°13'01"N 126°25'10"E 37°13'58"N 126°25'15"E 37°14'15"N 126°25'23"E 37°13'51"N 126°25'36"E 37°13'36"N 126°25'29"E 37°13'21"N 126°25'21"E	
74460	4Ed. 5/17/97 LAST NM 46/02 Add Danger circle "Well" [L21.1] Danger circle "Well" [L21.1] (22(629)00 Wollongong)	49/02 12°27.2'S 124°52.9"E 12°18.1'S 124°19.6"E				
75193	6Ed. 11/25/95 LAST NM 22/02 Delete Submarine cable between Change Color of beacon to G Add Submarine cable (power) [L31.1] between (22(632)00 Wollongong)	49/02 42°50'45.6"S 147°19'47.5"E 42°50'04.8"S 147°19'31.3"E 42°50'25.2"S 147°19'24.1"E 42°50'36.6"S 147°19'47.8"E 42°50'30.9"S 147°19'46.9"E				
75220	12Ed. 7/13/96 LAST NM 39/02 Change Characteristic of buoy to L Fl 10s (22(633)00 Wollongong)	49/02 38°45.1'S 146°42.7'E	95138	8Ed. 2/5/94 LAST NM 48/02 Add Buoy "A" Y, pillar, "X" topmark, Fl(2) Y 6s Buoy "B" Y, pillar, "X" topmark, Fl(2) Y 6s	49/02 34°52'17.6"N 127°45'56.3"E 34°52'25.6"N 127°45'47.3"E	
76030	9Ed. 5/15/99 LAST NM 24/02 Delete Depth 6.1 meters (21(135)02 Wellington)	49/02 36°41'S 175°59"E				

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SECTION I

95138	(Continued)			
	Buoy "C" Y, pillar, "X" topmark, Fl(2) Y 6s 34°52'34.2"N 127°45'37.6"E			
	Buoy "D" Y, pillar, "X" topmark, Fl(2) Y 6s 34°52'42.7"N 127°45'27.4"E			
	Buoy "E" Y, pillar, "X" topmark, Fl(2) Y 6s 34°52'50.4"N 127°45'22.8"E			
	Buoy "F" Y, pillar, "X" topmark, Fl(2) Y 6s 34°52'57.2"N 127°45'18.0"E			
	Buoy "G" Y, pillar, "X" topmark, Fl(2) Y 6s 34°53'05.2"N 127°45'12.8"E			
	Buoy "H" Y, pillar, "X" topmark, Fl(2) Y 6s 34°53'11.2"N 127°45'06.3"E			
	(26(338)02 Inchon)			
95140	15Ed. 10/7/95 LAST NM 48/02	49/02		
Add	Fish haven symbol [K46.1]	35°09'10"N 129°12'38"E		
	Fish haven symbol [K46.1]	35°09'12"N 129°12'02"E		
	(45(482)99 Inchon)			
95143	11Ed. 5/15/99 LAST NM 48/02	49/02		
Add	Buoy "1" G, pillar, can topmark, Fl G 4s	34°51'51"N 127°42'43"E		
	(26(337)02 Inchon)			
95147	13Ed. 5/14/94 LAST NM 48/02	49/02		
Add	Position circle "Pyl" [D26]	35°09'29.0"N 128°35'18.0"E		
	Position circle "Pyl" [D26]	35°09'58.0"N 128°36'11.0"E		
	Dashed line (overhead power cable) [D26] "(72)" between above position circles			
	(44(469)99 Inchon)			
95149	9Ed. 6/12/99 LAST NM 48/02	49/02		
Add	Fish haven area with blue tint [K46.1] bound by dotted line (limiting danger line) joining			
	35°08'53"N 129°12'41"E			
	35°09'12"N 129°13'03"E			
	35°09'27"N 129°12'39"E			
	35°09'08"N 129°12'19"E			
	Fish haven area with blue tint [K46.1] bound by dotted line (limiting danger line) joining			
	35°09'05"N 129°12'01"E			
	35°09'09"N 129°12'18"E			
	35°09'22"N 129°12'12"E			
	35°09'17"N 129°11'56"E			
	(45(482)99 Inchon)			
95180	11Ed. 6/15/96 LAST NM 44/02	49/02		
Add	Buoy Y, pillar, "X" topmark, Fl Y 6s	37°32'24"N 129°12'40"E		
	(23(300)02 Inchon)			
95185	2Ed. 2/12/94 LAST NM 44/02	49/02		
Add	Buoy Y, pillar, "X" topmark, Fl Y 6s	37°32'24.1"N 129°12'39.5"E		
	(23(300)02 Inchon)			
97221	20Ed. 1/17/98 LAST NM 45/02	49/02		
Add	Buoy G, pillar, can topmark, Fl G 3s	34°26'55"N 134°12'28"E		
	Buoy "A" G, pillar, can topmark, Fl G 4s	34°22'33"N 134°11'10"E		
	Buoy "B" G, pillar, can topmark, Fl G 4s	34°22'02"N 134°10'56"E		
	(42(1426, 1427)02 Tokyo)			
97224	6Ed. 12/27/97 LAST NM 47/02	49/02		
Add	Double dashed line with land tint (breakwater) and legend "Under construction" joining			
	34°15'16.2"N 135°05'40.0"E			
	34°15'16.2"N 135°05'40.8"E			
	34°15'13.8"N 135°05'46.3"E			
	"Under reclamation (1998)" area [F31] with land tint bound by shore and dashed line joining			
	34°15'27.6"N 135°05'48.9"E			
	34°15'21.9"N 135°05'45.9"E			
	34°15'22.1"N 135°05'45.3"E			
	(44(1837)98 Tokyo)			
97233	11Ed. 11/27/93 LAST NM 44/02	49/02		
Add	Buoy G, pillar, can topmark, Fl G 3s	34°26'43"N 134°12'38"E		
	Buoy "A" G, pillar, can topmark, Fl G 4s	34°22'21"N 134°11'20"E		
	Buoy "B" G, pillar, can topmark, Fl G 4s	34°21'50"N 134°11'06"E		
	(42(1426, 1427)02 Tokyo)			
97234	17Ed. 12/26/98 LAST NM 47/02	49/02		
Add	Buoy G, pillar, can topmark, Fl G 3s	34°26'54.7"N 134°12'28.3"E		
	Buoy "A" G, pillar, can topmark, Fl G 4s	34°22'32.7"N 134°11'10.3"E		
	Buoy "B" G, pillar, can topmark, Fl G 4s	34°22'01.7"N 134°10'56.3"E		
	(42(1426, 1427)02 Tokyo)			
97273	10Ed. 5/21/94 LAST NM 45/02	49/02		
Change	Visibility (range) of light to 4M	33°35'30"N 131°25'36"E		
	(42(1428)02 Tokyo)			
97397	7Ed. 8/29/92 LAST NM 39/02	49/02		
Delete	Depth 47 meters, sand	33°09'23"N 129°31'47"E		
Substitute	Depth 26 meters for 34 meters Note: Legend remains (See 25/97-97397)	33°12'48"N 129°29'12"E		
Add	Depth 14.8 meters	33°15'17"N 129°30'09"E		
	Depth 29 meters	33°13'59"N 129°29'54"E		
	Depth 28.5 meters	33°13'44"N 129°29'48"E		
	Depth 23 meters	33°12'51"N 129°31'34"E		
	Depth 25 meters Rk	33°12'49"N 129°32'34"E		
	Depth 41 meters	33°12'18"N 129°32'16"E		
	Depth 26 meters Rk	33°12'14"N 129°32'36"E		
	Depth 34 meters	33°09'28"N 129°32'14"E		
	(42(1420)02 Tokyo)			
97398	3Ed. 8/19/89 LAST NM 25/02	49/02		
Delete	Depth 27 meters	33°15'09"N 129°30'20"E		
	Depth 23 meters	33°15'02"N 129°30'14"E		
	Depth 36 meters	33°10'23"N 129°30'30"E		
	Depth 32 meters, shells	33°10'15"N 129°30'42"E		
	Depth 34 meters	33°10'14"N 129°30'14"E		
	Depth 28 meters	33°10'10"N 129°30'57"E		
	Depth 31 meters, mud	33°10'04"N 129°30'43"E		
	Depth 29 meters, rock	33°10'01"N 129°30'55"E		
	Depth 32 meters	33°10'00"N 129°31'07"E		
	Depth 42 meters	33°09'52"N 129°30'14"E		
	Depth 34 meters, shells	33°09'50"N 129°31'00"E		
	Depth 31 meters, mud	33°09'46"N 129°30'35"E		
	Depth 42 meters	33°09'44"N 129°31'22"E		
	Depth 32 meters, coarse sand, shells	33°09'43"N 129°30'20"E		
	Depth 39 meters	33°09'43"N 129°31'44"E		
	Depth 36 meters, mud	33°09'42"N 129°30'48"E		
	Depth 34 meters, sand	33°09'39"N 129°31'34"E		
	Depth 40 meters	33°09'32"N 129°31'04"E		
	Note: Legend remains			
	Depth 43 meters, mud	33°09'32"N 129°31'37"E		
	Depth 42 meters	33°09'17"N 129°31'47"E		
	Depth 47 meters, sand	33°09'11"N 129°31'56"E		
Substitute	Depth 26 meters for 34 meters Note: Legend remains	33°12'36"N 129°29'20"E		
	Depth 34 meters for 45 meters, sand, mud	33°09'15"N 129°32'21"E		
	(See 22/97-97398)			
Add	Depth 14.8 meters	33°15'05"N 129°30'17"E		
	Depth 29 meters	33°13'47"N 129°30'02"E		
	Depth 28.5 meters	33°13'33"N 129°29'56"E		
	Depth 23 meters	33°12'38"N 129°31'42"E		
	Depth 28.5 meters	33°10'20"N 129°30'34"E		
	Depth 26.5 meters	33°10'05"N 129°30'38"E		
	Depth 25.5 meters	33°10'04"N 129°30'12"E		
	Depth 11.6 meters	33°09'46"N 129°31'40"E		
	Depth 28 meters	33°09'45"N 129°30'13"E		
	Depth 30 meters	33°09'43"N 129°31'13"E		
	Depth 27.5 meters	33°09'41"N 129°30'39"E		
	Depth 30 meters	33°09'41"N 129°31'30"E		

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97398 (Continued)
 Depth 37 meters 33°09'41"N 129°31'48"E
 Depth 36 meters 33°09'29"N 129°31'04"E
 Depth 32 meters 33°09'19"N 129°31'43"E
 (42(1420)02 Tokyo)

97481 6Ed. 2/8/97 LAST NM 47/02 49/02
Delete Beacon 24°55'40"N 125°13'17"E

Substitute Beacon BY, double cone topmark points upward, Q 3M [Q130.3] for beacon

Add Beacon YBY, double cone topmark points
together, Q(9) 15s 3M [Q130.3] 24°55'36"N 125°13'11"E
(42(1431)02 Tokyo)

800744 1Ed. 9/24/88 LAST NM N22/02 N49/02
Add Depth 30 meters with legend "Obstn" enclosed
by dashed-line circle 21°17'32"N 157°56'24"W
(35/02 CG14)

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NM 49/02

Chart 11316

NM 49/02

MATAGORDA SHIP CHANNEL						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES) DEPTH (FEET)
SEA BAR AND JETTY CHANNEL	39.0	38.0	39.0	6-02	300	3.21 38
THENCE TO LIGHT 48	34.0	36.0	34.0	6-02	300-200	10.84 36
THENCE TO LIGHT 76	32.0	34.0	34.0	6-02	200	7.42 36
THENCE TO POINT						
COMFORT TURNING BASIN	32.0	30.0	30.0	6-02	200-399	0.98 36
TURNING BASIN	33.0	34.0	33.0	6-02	1000	0.17 36

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

Chart 11317

NM 49/02

MATAGORDA SHIP CHANNEL						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES) DEPTH (FEET)
SEA BAR AND JETTY CHANNEL	39.0	38.0	39.0	6-02	300	3.21 38
THENCE TO LIGHT 48	34.0	36.0	34.0	6-02	300-200	10.84 36
THENCE TO LIGHT 76	32.0	34.0	34.0	6-02	200	7.42 36
THENCE TO POINT						
COMFORT TURNING BASIN	32.0	30.0	30.0	6-02	200-399	0.98 36
TURNING BASIN	33.0	34.0	33.0	6-02	1000	0.17 36

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

Chart 11322 (Side B)

NM 49/02

FREEPORT HARBOR CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES) DEPTH (FEET)
CHANNEL FROM DEEP WATER TO SEAWARD END OF JETTY	46.0	48.0	43.0	9-02	400	3.7 47
JETTY CHANNEL	46.0	47.0	41.0	9-02	400	1.2 45
LOWER TURNING BASIN	45.0	48.0	46.0	9-02	750	0.9 45
THENCE TO BRAZOSPORT						
TURNING BASIN	47.0	49.0	48.0	9-02	400-600	0.4 45
BRAZOSPORT TURNING BASIN	47.0	49.0	46.0	9-02	500-1000	0.2 45
CHANNEL TO UPPER						
TURNING BASIN	46.0	49.0	46.0	9-02	280-470	0.9 45
BRAZOS HARBOR APPROACH CHANNEL	37.0	38.0	39.0	6-02	200-650	0.5 36
BRAZOS HARBOR TURNING BASIN	36.0	37.0	38.0	6-02	750	0.1 36
UPPER TURNING BASIN	48.0	47.0	49.0	9-02	600-1190	0.2 45
CHANNEL TO STAUFFER						
TURNING BASIN	17.0	19.0	17.5	11-88	200	1.0 25
STAUFFER TURNING BASIN	18.0	18.0	16.0	11-88	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

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NM 49/02

Chart 11325

NM 49/02

HOUSTON SHIP CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002								
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 MLLW (FEET)
HOUSTON SHIP CHANNEL: EXXON OIL CO. SLIP								
TO CARPENTERS BAYOU (A)	32.0	39.0	41.0	33.0	3-02	400-525	4.90	40
THENCE TO GREENS BAYOU (B)	36.0	38.0	35.0	29.0	8-02	400-300	4.70	40
GREENS BAYOU CHANNEL (TO FIRST BEND)	39.0	42.0	44.0	42.0	4-02	500-175	0.34	36
THENCE TO HUNTING BAYOU (UPPER BEND)	40.0	43.0	43.0	40.0	8-02	300	1.91	40
TURNING POINT AT HUNTING BAYOU	43.0	42.0	42.0	41.0	6-02	600	0.17	40
THENCE TO SOUTHERN PACIFIC SLIP	39.0	41.0	41.0	38.0	8-02	300	3.04	40
TURNING POINT AT SIMS BAYOU	43.0	44.0	42.0	42.0	6-02	700	0.26	40
THENCE TO HOUSTON TURNING BASIN WHARF 15	41.0	42.0	41.0	38.0	8-02	300	2.68	36
TURNING POINT AT BRADY ISLAND	22.0	33.0	40.0	39.0	5-02	422	0.17	36
HOUSTON TURNING BASIN	36.0	35.0	37.0	35.0	7-02	250-1000	0.70	36
UPPER TURNING BASIN	21.0	22.0	15.0	19.0	7-02	150	0.23	36
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 11327

NM 49/02

HOUSTON SHIP CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002								
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 MLLW (FEET)
BOLIVAR ROADS TO LOWER END OF MORGAN POINT	29.0	34.0	40.0	34.0	6-01; 7-02	400-530	23.4	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								

Chart 11328

NM 49/02

HOUSTON SHIP CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002								
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 MLLW (FEET)
BOLIVAR ROADS TO LOWER END OF MORGAN POINT	29.0	34.0	40.0	34.0	6-01; 7-02	400-530	23.4	40
LOWER END OF MORGAN PT. TO EXXON OIL CO. SLIP	36.0	40.0	39.0	33.0	3-02	400-525	4.2	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								

SECTION I

NM 49/02

Chart 11329

NM 49/02

HOUSTON SHIP CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002								
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 MLLW (FEET)
LOWER END OF MORGAN PT. TO EXXON OIL CO. SLIP	36.0	40.0	39.0	33.0	3-02	400-525	4.20	40
EXXON OIL CO. SLIP TO CARPENTER'S BAYOU (A) THENCE TO GREENS BAYOU (B)	32.0	39.0	41.0	33.0	3-02	400-525	4.90	40
	38.0	38.0	35.0	29.0	8-02	400-300	4.70	40
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 49/02

SABINE PASS CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE BANK CHANNEL	39	42	43	40	8-02	800	12.8	42
OUTER BAR CHANNEL	38	42	42	42	8-02	800	3.0	42
JETTY CHANNEL	36	41	40	33	9-02	800-500	3.5	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11341

NM 49/02

SABINE PASS CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE BANK CHANNEL	39	42	43	40	8-02	800	12.8	42
OUTER BAR CHANNEL	38	42	42	42	8-02	800	3.0	42
JETTY CHANNEL	36	41	40	33	9-02	800-500	3.5	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

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Chart 11342

NM 49/02

SABINE PASS - SABINE - NECHES CANAL CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
SABINE PASS:						
OUTER BAR CHANNEL	38	42	42	42	8-02	800 3.0 42
JETTY CHANNEL	36	41	40	33	9-02	800-500 3.5 40
PASS CHANNEL	34	40	40	36	4-02	500-1150 4.9 40
ANCHORAGE BASIN	33	19	13	6	4-02	1500 0.5 40
PORT ARTHUR SHIP CANAL	34	39	37	31	11-01	500 4.8 40
JUNCTION PORT ARTHUR-SABINE NECHES CANALS	37	40	41	39	8-02	400-1200 1.1 40
ENTRANCE TO PORT ARTHUR TURNING BASINS	40	40	40	40	5-02	282-735 0.2 40
EAST TURNING BASIN	40	40	40	40	5-02	370-547 0.3 40
WEST TURNING BASIN	40	40	40	40	5-02	350-735 0.3 40
CHANNEL CONNECTING WEST BASIN AND TAYLOR BAYOU TURNING BASIN	40	40	40	36	6-02	200-350 0.5 40
TAYLOR BAYOU TURNING BASIN	24	40	40	37	6-02	90-1233 0.6 40
SABINE-NECHES CANAL:						
PORT ARTHUR TO NECHES RIVER	37	40	41	39	8-02	400 9.6 40
NECHES RIVER TO SABINE RIVER	26	25	23	22	8-02	200 3.9 30
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 11343

NM 49/02

SABINE AND NECHES RIVERS CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
SABINE-NECHES CANAL :						
PORT ARTHUR TO NECHES RIVER	37	40	41	39	8-02	400 9.6 40
NECHES RIVER TO SABINE RIVER	26	25	23	22	8-02	200 3.9 30
NECHES RIVER:						
MOUTH TO SMITH BLUFF	24	29	33	31	5-02	400 8.3 40
TURNING BASIN AT DEER BAYOU	37	36	34	34	5-02	700 0.2 40
TURNING BASIN AT SMITHS BLUFF	37	37	35	33	5-02	1400-400 0.2 40
SMITH BLUFF TO BEAUMONT	29	39	38	31	5-02	400 7.5 40
TURNING BASIN (30°02'12"N, 94°01'58"W)	31	39	40	37	5-02	400-1306 0.2 40
CHANNEL EXTENSION	33	35	32	28	5-02	350 0.2 36
MANEUVERING AREA (30°04'44"N, 94°05'05"W)	29	39	39	33	5-02	400-1000 0.6 40
BEAUMONT TURNING BASIN	37	37	38	37	5-02	400-535 0.2 34
TURNING BASIN EXTENSION	32	35	32	27	5-02	300 0.2 34
THENCE TO TRINITY INDUSTRIES	17	23	20	15	5-02	200 0.6 30
SABINE RIVER:						
MOUTH TO ORANGE MUNICIPAL SLIP	26	29	30	26	11-01	200 6.6 30
ORANGE TURNING BASIN	26	26	29	28	11-01	200-1400 0.6 30
ORANGE MUNICIPAL SLIP	26	30	24	23	11-01	150-200 0.5 30
ORANGE MUNICIPAL SLIP TO OLD HIGHWAY BRIDGE SITE	26	29	30	29	11-01	200 2.2 30
CHANNEL AROUND ORANGE HARBOR ISLAND	13	16	20	18	11-01	150-200 1.6 25
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

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NM 49/02

Chart 11344

NM 49/02

CALCASIEU PASS AND RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL	30.0	39.0	39.0	26.0	8-02	800 19.1 42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	31.0	40.0	47.0	48.0	6-01;8-02	400 1.4 40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	20.0	39.0	40.0	37.0	8-02	400 6.0 40

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

Chart 11347 (Side A)

NM 49/02

CALCASIEU PASS AND RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL	30.0	39.0	39.0	27.0	8-02	800 19.1 42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	31.0	40.0	47.0	48.0	6-01;8-02	400 1.4 40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	20.0	39.0	40.0	37.0	8-02	400 6.0 40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	32.0	37.0	40.0	35.0	1-02;8-02	400 6.0 40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	37.0	40.0	40.0	37.0	1-02	400 6.0 40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	34.0	38.0	39.0	33.0	7-01;1-02	400 5.0 40
THENCE TO 210 BRIDGE	35.0	39.0	36.0	35.0	2-02	400 4.4 40
THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	30.0	39.0	39.0	34.0	2-02	400 2.0 40

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

SECTION I

NM 49/02

Chart 11347 (Side B)

NM 49/02

CALCASIEU PASS AND RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	30.0	39.0	39.0	27.0	8-02	800 19.1 42
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	31.0	40.0	47.0	48.0	6-01;8-02	400 1.4 40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	20.0	39.0	40.0	37.0	8-02	400 6.0 40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	32.0	37.0	40.0	35.0	1-02;8-02	400 6.0 40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	37.0	40.0	40.0	37.0	1-02	400 6.0 40
THENCE TO 210 BRIDGE THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	34.0	38.0	39.0	33.0	7-01;1-02	400 5.0 40
THENCE TO 210 BRIDGE THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	35.0	39.0	36.0	35.0	2-02	400 4.4 40
THENCE TO 210 BRIDGE THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	30.0	39.0	39.0	34.0	2-02	400 2.0 40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 11353

NM 49/02

MISSISSIPPI RIVER - GULF OUTLET CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2002						
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)	DATE OF SURVEY	
LT. BUOY 1 (29°25'27"N, 88°59'31"W)						
TO LT. BUOY 20	29.0	34.0	24.0	600	9-02	
THENCE TO END OF JETTY OPPOSITE LIGHT 62	32.0	35.0	29.0	500	9-02	
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE						

Chart 11363

NM 49/02

MISSISSIPPI RIVER - GULF OUTLET CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2002						
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)	DATE OF SURVEY	
LT. BUOY 1 (29°25'27"N, 88°59'31"W)						
TO LT. BUOY 20	29.0	34.0	24.0	600	9-02	
THENCE TO END OF JETTY OPPOSITE LIGHT 62	32.0	35.0	29.0	500	9-02	
THENCE TO INTERSECTION WITH G. I. W. W.	24.0	31.0	21.0	500	3,4,8,9-02	
THENCE TO INNER HARBOR NAVIGATION CANAL	25.0	28.0	28.0	500	4-02	
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE						

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Chart 11364

NM 49/02

MISSISSIPPI RIVER - GULF OUTLET CHANNEL					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2002					
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)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62 THENCE TO INTERSECTION WITH G. I. W. W. THENCE TO INNER HARBOR NAVIGATION CANAL	29.0	34.0	24.0	600	9-02
	32.0	35.0	29.0	500	9-02
	24.0	31.0	21.0	500	3,4,8,9-02
	25.0	28.0	28.0	500	4-02
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE					

Chart 11369

NM 49/02

MISSISSIPPI RIVER - GULF OUTLET CHANNEL					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2002					
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)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62 THENCE TO INTERSECTION WITH G. I. W. W. THENCE TO INNER HARBOR NAVIGATION CANAL	29.0	34.0	24.0	600	9-02
	32.0	35.0	29.0	500	9-02
	24.0	31.0	21.0	500	3,4,8,9-02
	25.0	28.0	28.0	500	4-02
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE					

Chart 11373

NM 49/02

HORN ISLAND PASS PASCAGOULA HARBOR AND BAYOU CASOTTE CHANNEL DEPTHS					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2002 AND SURVEYS TO AUG 2002					
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	DATE OF SURVEY	PROJECT DIMENSIONS
HORN ISLAND PASS CHANNEL	40.7	40.3	33.2	8-00	450 4.4 40
PASCAGOULA CHANNEL	32.3	34.2	34.8	11-01; 1,6,8-02	350 10.8 38
TURNING BASIN	34.4	38.0	37.6	8-02	950 0.4 38
BAYOU CASOTTE CHANNEL	39.4	42.0	39.8	6-02	350 3.3 42
TURNING BASIN	42.0	42.0	42.0	6-02	1000 0.3 42
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION					

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Chart 11374 (Side B)

NM 49/02

HORN ISLAND PASS PASCAGOULA HARBOR AND BAYOU CASOTTE CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2002 AND SURVEYS TO AUG 2002				
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY
HORN ISLAND PASS CHANNEL	40.7	40.3	33.2	8-00
PASCAGOULA CHANNEL	32.3	34.2	34.8	11-01; 1, 6, 8-02
TURNING BASIN	34.4	38.0	37.6	8-02
BAYOU CASOTTE CHANNEL	39.4	42.0	39.8	6-02
TURNING BASIN	42.0	42.0	42.0	6-02

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

Chart 11375

NM 49/02

HORN ISLAND PASS PASCAGOULA HARBOR AND BAYOU CASOTTE CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2002 AND SURVEYS TO AUG 2002				
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY
HORN ISLAND PASS CHANNEL	40.7	40.3	33.2	8-00
PASCAGOULA CHANNEL	32.3	34.2	34.8	11-01; 1, 6, 8-02
TURNING BASIN	34.4	38.0	37.6	8-02
BAYOU CASOTTE CHANNEL	39.4	42.0	39.8	6-02
TURNING BASIN	42.0	42.0	42.0	6-02

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

Chart 11478

NM 49/02

PORT CANAVERAL CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002 AND SURVEYS OF AUG 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
OUTER REACH	40.8	40.7	41.1	41.1	4-02	400 5.5 44
MIDDLE REACH	44.0	44.5	44.0	44.5	8-02	400 0.9 44
INNER REACH	38.2	40.8	41.0	38.4	4-02	400 0.8 40
WEST ACCESS CHANNEL (EAST PORTION)	38.3	40.2	40.6	38.6	8-02	400 0.3 39
WEST ACCESS CHANNEL (WEST PORTION)	30.1	34.0	34.8	34.1	8-02	400 0.3 31

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

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NM 49/02

Chart 11481

NM 49/02

PORT CANAVERAL CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002 AND SURVEYS OF AUG 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OUTER REACH	40.8	40.7	41.1	41.1	4-02	400	5.5	44
MIDDLE REACH	44.0	44.5	44.0	44.5	8-02	400	0.9	44
INNER REACH	38.2	40.8	41.0	38.4	4-02	400	0.8	40
WEST ACCESS CHANNEL (EAST PORTION)	38.3	40.2	40.6	38.6	8-02	400	0.3	39
WEST ACCESS CHANNEL (WEST PORTION)	30.1	34.0	34.8	34.1	8-02	400	0.3	31

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

Chart 11505

NM 49/02

SAVANNAH RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	41.5	42.5	43.0	43.5	10-02	600	3.3	44
BLOODY POINT RANGE	42.0	42.5	42.5	43.5	10-02	600	3.0	44
JONES ISLAND RANGE	44.0	42.0	42.5	44.0	10-02	600	1.2	44
TYBEE KNOB CUT RANGE	42.0	42.5	43.0	43.5	10-02	500	2.5	42

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.

NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.

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

Chart 11506

NM 49/02

BRUNSWICK HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2002							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL (ST SIMON RANGE)	28.5	32.0	A30.0	8-02	500	7.7	32
PLANTATION CREEK RANGE	34.0	39.0	39.0	8-02	400	1.8	32
JEKYLL ISLAND RANGE	29.0	32.0	31.0	8-02	400	1.9	30
CEDAR HAMMOCK RANGE	29.0	31.5	30.0	8-02	400	1.4	30
BRUNSWICK PT CUT RANGE	28.0	29.0	27.0	8-02	400	2.4	30
EAST RIVER LOWER REACH	B29.0	30.0	28.5	8-02	400	1.1	30
UPPER REACH	27.0	27.0	25.0	8-02	350	1.0	27
EAST RIVER TURNING BASIN	26.5	26.5	26.5	8-02	750	0.2	30
TURTLE RIVER LOWER RANGE	35.0	31.0	30.0	8-02	300	1.7	30
BLYTE ISLAND RANGE	31.0	26.5	26.0	8-02	300	1.5	30
TURTLE RIVER UPPER RANGE	28.0	28.0	26.0	8-02	300	1.7	30
SOUTH BRUNSWICK RIVER	31.0	32.0	30.0	8-02	400	1.3	30

A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N; 081°16'35.7"W.
 B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 25.5 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 30.0 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE.
 NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN)
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

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NM 49/02

Chart 11512

NM 49/02

SAVANNAH RIVER CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	
TYBEE RANGE	41.5	42.5	43.0	43.5	10-02	600 3.3 44
BLOODY POINT RANGE	42.0	42.5	42.5	43.5	10-02	600 3.0 44
JONES ISLAND RANGE	44.0	42.0	42.5	44.0	10-02	600 1.2 44
TYBEE KNOTT CUT RANGE	42.0	42.5	43.0	43.5	10-02	500 2.5 42
NEW CHANNEL RANGE (A)	37.0	41.5	42.5	39.0	10-02	500 1.6 42
L. I. CROSSING RANGE	40.5	43.0	44.0	39.0	10-02	500 2.6 42
LOWER FLATS RANGE	41.0	46.0	46.0	42.5	10-02	500 1.3 42
UPPER FLATS RANGE	44.5	46.5	45.5	40.5	10-02	500 1.2 42
THE BIGHT CHANNEL	44.0	46.0	47.0	46.0	10-02	500 1.5 42
FT. JACKSON RANGE	45.5	47.5	47.0	40.0	10-02	500 0.7 42
OGLETHORPE RANGE	40.5	45.5	45.0	44.5	10-02	500 1.2 42
WRECKS CHANNEL (B)	41.5	46.0	47.0	45.0	10-02	500 1.5 42
CITY FRONT CHANNEL	43.5	43.5	44.0	40.5	10-02	500 1.5 42
MARSH ISLAND CHANNEL (C)	43.0	44.5	45.0	42.5	10-02	500 1.7 42
KINGS ISLAND CHANNEL (D)	38.0	40.5	43.0	43.0	10-02	500 2.1 42
WHITEHALL CHANNEL (E)	29.5	31.0	33.5	36.0	10-02	400 0.6 42-36
PORT WENTWORTH CHANNEL (F)	30.0	32.5	31.0	32.0	12-94; 10-02	200 1.2 30

A. OYSTER BED I TURNING BASIN-CONTROLLING DEPTH 42.0 FT, 37.0 FT 100 FT FROM BACKSIDE.
 B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 42.0 FT, 41.0 FT 100 FT FROM BACKSIDE.
 C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 37.0 FT, 28.0 FT 100 FT FROM BACKSIDE.
 D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 36.0 FT, 31.0 FT 100 FT FROM BACKSIDE.
 E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 37.5 FT 100 FT FROM BACKSIDE.
 F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 32.0 FT, 25.0 FT 100 FT FROM BACKSIDE.

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.
 NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.

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

Chart 11514 (Side A)

NM 49/02

SAVANNAH RIVER CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	
OGLETHORPE RANGE	40.5	45.5	45.0	44.5	10-02	500 1.2 42
WRECKS CHANNEL (A)	41.5	46.0	47.0	45.0	10-02	500 1.5 42
CITY FRONT CHANNEL	43.5	43.5	44.0	40.5	10-02	500 1.5 42
MARSH ISLAND CHANNEL (B)	43.0	44.5	45.0	42.5	10-02	500 1.7 42
KINGS ISLAND CHANNEL (C)	38.0	40.5	43.0	43.0	10-02	500 2.1 42
WHITEHALL CHANNEL (D)	29.5	31.0	33.5	36.0	10-02	400 0.6 42-36
PORT WENTWORTH CHANNEL (E)	30.0	32.5	31.0	32.0	12-94; 10-02	200 1.2 30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 42.0, 41.0 FT 100 FT FROM BACKSIDE.
 B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 37.0 FT, 28.0 FT 100 FT FROM BACKSIDE.
 C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 36.0 FT, 31.0 FT 100 FT FROM BACKSIDE.
 D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 37.5 FT 100 FT FROM BACKSIDE.
 E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 32.0 FT, 25.0 FT 100 FT FROM BACKSIDE.

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.
 NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.

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

Chart 18502

NM 49/02

GRAYS HARBOR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2002 AND SURVEYS TO MAY 2002					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL	44.8	45.8	46.0	2-02	1000 4.6 46
ENTRANCE RANGE	32.1	34.4	36.5	2-02	900-600 1.8 42
PT CHEHALIS REACH	33.8	35.1	36.9	2-02	600 1.2 40
SOUTH REACH	35.0	36.2	33.2	1-02	600-350 4.1 36
CROSSOVER CHANNEL	30.8	36.2	31.4	5-02	350-450 2.5 36
NORTH CHANNEL	35.2	36.9	32.2	5-02	450-350 2.4 36
HOQUIAM REACH	34.5	37.6	32.8	5-02	350 1.9 36
COW POINT REACH	35.8	36.1	34.5	5-02	350-900 1.8 36
ABERDEEN REACH	27.8	29.8	29.0	10-01; 2-02	550-200 2.6 30
TURNING BASIN	32.5	32.4	24.5	1-02	200-550 3 30
THENCE TO COSMOPOLIS	26.5	26.9	27.7	1-02	200 .8 30

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

Chart 18521

NM 49/02

COLUMBIA RIVER CHANNEL DEPTHS ENTRANCE TO MILLER SANDS RANGE TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUNE 2002					
* SEE FOOTNOTE				PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY
ENTRANCE RANGE	56	56	51	43	3-02
SAND ISLAND RANGE (CLATSOP SPIT)	50	53	50	44	3-02
LOWER DESDEMONA SHOAL	47	45	40	31	3,6-02
UPPER DESDEMONA SHOAL	44	46	46	45	6-02
TANSY POINT TURN AND RANGE	41	40	40	39	5-02
ASTORIA RANGE	42	42	41	43	6-02
TONGUE POINT CHANNEL	38	42	42	41	6-02
HARRINGTON POINT RANGE	39	39	40	42	6-02
MILLER SANDS RANGE	34	42	42	40	6-02

* CONTROLLING DEPTHS IN CHANNELS ENTERING FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER FROM THE ENTRANCE TO HARRINGTON POINT AND COLUMBIA RIVER DATUM ABOVE THAT POINT. PROJECT LENGTHS ARE IN STATUTE MILES.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18583

NM 49/02

SIUSLAU RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2002					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
ENTRANCE TO HIGHWAY BRIDGE	9	10	11	3-02; 9-02	300-200 5.0 18-16
TURNING BASIN	10	8	6	3-02	400 0.3 16
TURNING BASIN TO CUSHMAN	8	9	9	7-99;3-02	150 2.1 12

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

SECTION I

Chart 18584

NM 49/02

UMPQUA RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEPT 2001 AND SURVEYS TO JUN 2002					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH (FEET) MLLW
ENTRANCE CHANNEL TO LT. 21	19	20	19	10-01; 3, 4, 6-02	200 7.0 26-22
LT. 21 TO REEDSPORT	16	18	18	5-02	200 2.7 22
REEDSPORT TURNING BASIN	22	22	22	5-02	600 0.2 22
LT. 21 TO GARDINER	12	13	11	10-01	200 1.15 22
GARDINER TURNING BASIN	5	2	2	10-01	500 0.2 22

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

Chart 18588

NM 49/02

COQUILLE RIVER CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002 AND SURVEYS TO SEP 2002					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH (FEET) MLLW
A ENTRANCE CHANNEL	13	15	14	9-02	200 0.33 13.0
ENTRANCE CHANNEL TO PORT DOCK (43°07'15.9"N, 124°24'50.5"W)	14	14	13	9-02	200 0.63 13.0
THENCE TO END OF PROJECT	13	14	14	7-02	150 0.38 13.0

A. THE ENTRANCE CHANNEL IS SUBJECT TO FREQUENT CHANGES AND THE DEEPEST WATER IS NOT ALWAYS ON THE RANGE.

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

Chart 18622

NM 49/02

HUMBOLDT BAY AND HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH (FEET) MLLW
BAR CHANNEL	42.9	44.5	43.8	37.8	6-02	2100-750 1.0 48
ENTRANCE CHANNEL	30.9	46.3	46.0	47.1	6-02	750 0.8 48
NORTH BAY CHANNEL	27.5	36.4	34.9	25.8	6-02	400-500 3.0 38
EUREKA CHANNEL						
OUTER REACH	33.2	34.3	32.4	23.7	6-02	400 0.4 38
INNER REACH	17.8A	16.4B	16.5C	14.2D	6-02	400 1.1 26
SAMOA CHANNEL	37.6	38.0	38.0	36.6	6-02	400 1.3 38
TURNING BASIN	35.4	35.9	34.1	33.5	6-02	400-1000 0.3 38
FIELDS LANDING CHANNEL	27.1	27.6	27.1	17.9	6-02	300 1.9 26
TURNING BASIN	15.8	18.3	28.2	25.2	6-02	300-800 0.1 26

A. SHOALING TO 5.8 FEET FOR LAST 3,000 FEET OF THE REACH.
B. SHOALING TO 3.3 FEET FOR LAST 3,000 FEET OF THE REACH.
C. SHOALING TO 11.4 FEET FROM 40°48'23.66"/124°10'01.71" TO 40°48'25.37"/124°09'35.98", SHOALING TO 5.2 FEET FOR LAST 500 FEET OF THE REACH.
D. SHOALING TO 11.0 FEET FROM 40°48'22.94"/124°09'59.16" TO 40°48'24.49"/124°09'35.63", SHOALING TO 6.0 FEET FOR LAST 500 FEET OF THE REACH.

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

SECTION I

NM 49/02

Chart 18643

NM 49/02

BODEGA HARBOR CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (AUT. MILES)
ENTRANCE CHANNEL	12.6	11.1	11.7	2-91;4-92;7-02	100	0.28
LOWER TURNING BASIN	11.6	8.0	4.9	10-96;7-02	100-300	0.19
THENCE TO DAYBEACON 15	8.4	8.7	10.1	10-96;7-02	100-130	0.42
THENCE TO DAYBEACON 23	10.6	12.0	12.7	10-96;7-02	100	0.43
THENCE TO SECOND TURNING BASIN	13.4	12.8	11.4	10-96;7-02	100	0.60
SECOND TURNING BASIN	10.4 A	9.1	10.0	10-96;7-02	100-400	0.20
THENCE TO DAYBEACON 44	12.6	13.0	11.7	10-96;7-02	100	0.21
THENCE TO UPPER TURNING BASIN	10.4	11.4	11.3	10-96;7-02	100	0.27
UPPER TURNING BASIN	7.3	7.2	8.6	10-96;7-02	100-400	0.15

A. SHOALING TO 1.1 FEET IN THE INSIDE HALF OF QUARTER AND SHOALING TO 10.4 FEET IN THE OUTSIDE HALF OF QUARTER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18654

NM 49/02

MARE ISLAND STRAIT CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)
A	A17.5	19.3	25.1	B24.7	8-02	700
B	C14.6	31.8	33.8	D21.0	8-02	700
C	E17.2	24.0	25.3	F14.3	8-02	700-1000
D	G 8.6	25.2	23.9	H13.6	8-02	1000
E	I 5.9	26.5	25.2	J 8.4	8-02	1000
F	K10.0	24.1	25.0	L 7.8	8-02	1000
G	20.8	20.3	20.5	19.8	4-86	1000-940

A. A DEPTH OF 18.5 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
B. A DEPTH OF 30.9 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
C. A DEPTH OF 26.6 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
D. A DEPTH OF 27.8 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
E. A DEPTH OF 23.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
F. A DEPTH OF 20.9 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
G. A DEPTH OF 23.2 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
H. A DEPTH OF 19.2 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
I. A DEPTH OF 23.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
J. A DEPTH OF 16.1 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
K. A DEPTH OF 22.6 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
L. A DEPTH OF 17.1 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18655

NM 49/02

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH (MLLW (FEET)
A	A17.5	19.3	25.1	B24.7	8-02	700	0.3	30
B	C14.6	31.8	33.8	D21.0	8-02	700	0.3	30
C	E17.2	24.0	25.3	F14.3	8-02	700-1000	0.6	30
D	G 8.6	25.2	23.9	H13.6	8-02	1000	0.5	30
E	I 5.9	26.5	25.2	J 8.4	8-02	1000	0.5	30
F	K10.0	24.1	25.0	L 7.8	8-02	1000	0.4	30
G	20.8	20.3	20.5	19.8	4-86	1000-940	0.2	30-26

A. A DEPTH OF 18.5 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 B. A DEPTH OF 30.9 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 C. A DEPTH OF 26.6 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 D. A DEPTH OF 27.8 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 E. A DEPTH OF 23.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 F. A DEPTH OF 20.9 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 G. A DEPTH OF 23.2 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 H. A DEPTH OF 19.2 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 I. A DEPTH OF 23.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 J. A DEPTH OF 16.1 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 K. A DEPTH OF 22.6 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 L. A DEPTH OF 17.1 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18659

NM 49/02

SUISUN BAY							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2002						PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH (MLLW (FEET)
NEW YORK SLOUGH							
WEST REACH	31.7	34.6	35.5	3-02	400	1.3	35
EAST REACH	32.2	32.9	31.5	3-4-02	400	1.7	35

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

Chart 18660

(A)

NM 49/02

SAN JOAQUIN RIVER-STOCKTON DEEP WATER CHANNEL							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2002						PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH (MLLW (FEET)
ANTIOCH TO LIGHT 17	32.1	32.9	32.2	4-02	400	3.3	35
LIGHT 17 TO LIGHT 43	A	A	A				
LIGHT 43 TO LIGHT 51	31.5	32.2	32.8	4-02	600	1.5	35
LIGHT 51 TO LIGHT 2	A	A	A				
LIGHT 2 TO LIGHT 6	34.8	35.9	36.1	4-02	225	1.5	35
THENCE TO LIGHT 16	34.2	34.1	31.3	4-02	225-250	2.8	35

A. SEE CHARTED SOUNDINGS.

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

SECTION I

NM 49/02

Chart 18660

(B)

NM 49/02

SAN JOAQUIN RIVER-STOCKTON DEEP WATER CHANNEL					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2002					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
ANTIOCH TO LIGHT 17	32.1	32.9	32.2	4-02	400 3.3 35
LIGHT 17 TO LIGHT 43	A	A	A		
LIGHT 43 TO LIGHT 51	31.5	32.2	32.8	4-02	600 1.5 35
LIGHT 51 TO LIGHT 2	A	A	A		
LIGHT 2 TO LIGHT 6	34.8	35.9	36.1	4-02	225 1.5 35
THENCE TO LIGHT 16	34.2	34.1	31.3	4-02	225-250 2.8 35

A. SEE CHARTED SOUNDINGS.

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

Chart 25670

NM 49/02

BAHIA DE SAN JUAN CHANNEL DEPTHS					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2002 AND REPORT OF AUG 2002					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY
BAR CHANNEL	42.6	42.6	42.6	41.4	7-02
ANEGADO CHANNEL	41.3	41.8	42.2	40.1	7-02
SAN ANTONIO APPROACH CHANNEL	36.7	35.7	37.1	34.8	7-02
SAN ANTONIO CHANNEL	28.5	33.4	35.7	32.0	7-02
GRAVING DOCK CHANNEL	35.2	38.1	37.7	35.7	7-02
ARMY TERMINAL CHANNEL	39.1	42.2	42.1	42.2	7-02
PUERTO NUEVO CHANNEL (TO A POINT IN 18°26'21.9"N., 66°05'21.4"W.)	38.3	40.3	39.9	39.2	7-02

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

SECTION I

NM 49/02

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 49/02

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	11321	29	12*,22,28,39,40,41,45/02	11378	31	10*,16,18,22,23,25,27, 30,32,40/02	11513	23	4,18,32,49/02
50	5	5,8,17/02	11322	27	21,22,24,36,37,49/02	11382	39	46/02*	11514	26	37*,40,49/02
51	1	7/02	11323	59	26*,28,33,37,39,45/02	11383	49	19*,22,27,30,32/02	11515	17	10/02*
52	1	14,18/02	11324	32	22*,24,25,31,33,37/02	11384	32	3,10,18,22,30,32/02	11516	29	7*,18,24,37,49/02
53	2	5,17/02	11325	34	19*,21,24,35,37,49/02	11385	25	23/02*	11517	17	32/02
101	3	48/02	11326	30	4,5,6,7,8,9,10,11,15,16, 21,22,24,25,31,33,36,37, 47/02	11388	16	7,10,17/02	11518	32	6,15,16,32,35,43,48/02
108	9	12,13,32,35/02	11327	30	5,7,10,11,16,21,22,24,28, 37,49/02	11389	32	2*,7,8,11,18,23,28,33, 37/02	11520	40	31*,39,40,44,46/02
400	3	23,26,31,32,33,35,45/02	11328	22	6,7,9,10,21,36,37,39,47, 49/02	11390	22	23*,27,33,34,37/02	11521	26	15*,17,32,35/02
401	5	22,23,26,31,33,35,45/02	11329	34	12*,21,24,36,37,39,47, 49/02	11391	22	6,8,18,23,33,34/02	11523	21	15*,17,32,35/02
411	48	11,13,16,22,23,26,31,32, 33,35,40,42,45/02	11330	13	4,6,7,8,9,10,11,12,15,16, 17,19,22,23,24,25,26,28, 29,30,31,33,34,36,37,39, 40,41,42,43/02	11392	6	2,10,34/02	11524	45	13*,16,21,32,35,43,48/02
500	7	5/02	11331	18	11,17,23/02	11393	20	5*,7,8,11,18/02	11525	6	N2,N12,N14,N17,N19, N23,N39,N40,N44, N46/02
501	11	6,8,10,34,38/02	11332	28	42*,43,49/02	11400	34	9*,11,23,39/02	11527	16	12,37/02
507	2	45/02	11333	1	N28/02	11401	29	8,23/02	11531	21	31/02*
508	2	15,24,45/02	11340	66	4,5,6,7,8,9,10,11,12,13, 14,15,16,17,19,22,23,24, 25,26,27,28,29,30,31,32, 33,34,35,36,37,39,40,42, 43,45,47/02	11402	21	15,23/02	11532	20	15*,37/02
509	4	14/02	11341	38	6,7,9,10,11,12,16,18,21, 22,23,24,28,30,31,34,36, 37,39,43,49/02	11405	28	31/02*	11534	31	2*,9,13,14,32/02
513	6	5,17,38/02	11342	51	7,11,14,17,21,23,24,30, 37,43,49/02	11408	27	15/02	11535	12	12*,25,46/02
520	127	5,8,20,38/02	11343	36	7,17,21,23,37,40,49/02	11411	14	43*,45/02	11537	33	7*,8,9,13,17,20,23,31,32, 33,39,40,42,44/02
521	11	5,17/02	11344	34	5,7,10,12,13,16,17,19,24, 28,30,38,40,43,47,49/02	11412	41	42*,45/02	11539	18	2,9,39,44/02
522	87	14,18/02	11345	30	10,12,16,40/02	11415	5	42*,45/02	11541	32	2,8,13,18,20,21,30,39,44, 47/02
523	8	5,17/02	11346	33	42*,43,47,49/02	11416	5	42,48/02	11542	15	39/02
524	12	14,18,47/02	11347	51	7,11,14,17,21,23,24,30, 37,43,49/02	11420	26	5,20,39,42/02	11543	22	13,18,29,39/02
525	3	14,18/02	11348	19	23/02	11423	7	N20,N24,N39,N42/02	11544	37	36/02*
526	10	7,9,12,18,47/02	11349	40	38*,42/02	11424	17	21,24,36,42/02	11545	60	45*,47/02
530	30	22*,26,37,38,40/02	11350	24	15/02*	11425	34	46*,49/02	11547	35	22*,25,29,30,37,47/02
531	21	18*,47/02	11351	37	5,6,8,9,10,11,12,15,16, 19,22,27,28,30,33,36,37, 38,40,47/02	11426	35	31/02*	11548	38	47/02*
532	17	5,17,38/02	11352	35	2*,5,6,7,8,12,14,16,17, 22,24,26,27,37,38,39, 40/02	11427	32	12,49/02	11555	38	36/02*
550	7	18,24,45/02	11353	2	21*,24,25,26,35,38,43, 45,49/02	11429	21	47/02*	12200	47	38*,42/02
601	4	14/02	11354	30	10,12,16,40/02	11430	24	16/02	12201	25	N14,N15,N17,N19,N23, N42/02
602	6	12,47/02	11355	36	7,17,21,23,37,40,49/02	11431	12	31/02*	12204	34	13,20/02
603	6	47/02	11356	34	5,7,10,12,13,16,17,19,24, 28,30,38,40,43,47,49/02	11434	24	21/02*	12205	27	37*,43/02
604	5	12,18/02	11357	35	5,6,8,9,10,11,12,15,16, 19,22,27,28,30,33,36,37, 38,40,47/02	11435	13	N20/02	12206	29	31*,33,38,46/02
605	4	9,12/02	11358	30	10,12,16,40/02	11439	25	15/02*	12207	20	2,11,23/02
606	1	9/02	11359	33	42*,43,47,49/02	11441	39	13,36/02	12208	8	12*,18,23/02
607	1	7/02	11360	35	2*,5,6,7,8,12,14,16,17, 22,24,26,27,37,38,39, 40/02	11446	30	36/02	12210	35	22*,28,43/02
621	5	7,22/02	11361	69	13*,16,17,19,22,24,25, 26,27,31,34,35,45/02	11446	35	4,5,8,12,15,24,26,27,28, 29,30,35/02	12211	40	15*,27,28/02
622	9	9,12,14,20,47/02	11362	23	5,6,8,12,15,16,19,22,27, 28,33,37,38,40,47/02	11447	37	47/02*	12214	43	5,11,12,23,26,27,42/02
623	9	14,47/02	11363	24	37*,40/02	11448	39	42*,43,49/02	12216	27	47/02*
624	3	22/02	11364	34	9,11,12,13,28,29,39,40, 42,45,47/02	11449	5	4,5,8,15,24,27,35/02	12221	72	2,5,7,11,23,31,33,34,43, 46,47/02
632	8	15,24,45/02	11365	35	36*,37,40,42/02	11450	8	26*,28/02	12222	42	13*,27,30,33,34,38,43, 44,46/02
703	4	46/02	11366	51	23*,24,26,27,31,39,42/02	11451	30	8*,22,28,43/02	12224	22	34,39,43,46,47/02
705	3	12,46/02	11367	11	22*,26,39/02	11452	21	31/02*	12225	53	28*,30,31,47/02
800	4	17/02	11368	39	5,6,7,10,12,13,14,16,17, 18,22,23,24,28,29,31,33, 36,39,40,43,47/02	11453	16	22*,28/02	12226	16	2*,22,30/02
803	1	8,17/02	11369	11	22*,26,39,42/02	11454	16	28/02	12228	29	43/02*
1113A		5,20,39,42/02	11370	38	26*,29,35,38,40,43,49/02	11455	35	15,22,26,39,43/02	12230	58	5,10,14,21,23,31,35,44, 46/02
1114A		9*,11,23,39/02	11371	11	22*,26,39/02	11456	35	4,5,8,12,15,24,26,27,28, 29,30,35/02	12231	26	9*,14,31,35,46/02
1115A		5,6,7,10,12,13,14,16,17, 18,22,23,24,28,29,31,33, 36,39,40,43,47/02	11372	24	37*,40/02	11457	37	47/02*	12233	29	12*,30,31,47/02
1116A		4,5,6,7,8,9,10,11,12,13, 14,15,16,17,19,22,23,24, 25,26,27,28,29,30,31,32, 33,34,35,36,37,39,40,42, 43,45,47/02	11373	34	9,11,12,13,28,29,39,40, 42,45,47/02	11458	39	42*,43,49/02	12235	26	14,27,47/02
1117A		28*,30,31,37,39,40,41, 42,45/02	11374	35	13*,16,17,19,22,24,25, 26,27,31,34,35,45/02	11459	19	9/02*	12237	37	46/02*
11004	7	4,7,8,9,10,11,12,13,15, 16,18,22,26,28,31,37,39, 40,42,43,45,47/02	11375	38	13*,16,17,19,22,24,25, 26,27,31,34,35,45/02	11460	19	9/02*	12241	21	9*,14,16,34,44/02
11006	30	28*,36,39,40/02	11376	4	N5,N6,N7,N8,N10,N12, N13,N14,N16,N17,N18, N22,N23,N24,N28,N29, N31,N33,N36,N39,N40, N47/02	11461	4	42*,49/02	12243	13	5/02
11009	36	2*,5,12,19,23,24,32,35, 44/02	11377	38	13*,16,17,19,22,24,25, 26,27,31,34,35,45/02	11462	30	16,26,27,28,29,30/02	12245	60	12*,14,15,27,30,33,38, 46,49/02
11013	44	18*,20,35/02	11378	22	38/02*	11463	16	21,15/02	12248	39	18*,30,33,40/02
11300	38	26*,28,30,31,37,39,40, 41,42,45/02	11379	43	5,8,12,16,17,25,30,33,35, 38,39,43,49/02	11464	21	15,34/02	12251	23	10,35/02
11301	23	7,10,14,21,37/02	11380	38	13*,16,17,19,22,24,25, 26,27,31,34,35,45/02	11465	19	19/02*	12252	23	5,33,34/02
11302	29	34*,37/02	11381	28	38/02*	11466	32	15,34/02	12253	42	9*,33,38,42,46/02
11304	12	10/02	11382	33	30,33,35,37,38,39,43, 49/02	11467	19	9/02*	12254	43	38*,43,44/02
11305	1	N6,N7,N11,N21,N26, N29,N36,N46/02	11383	16	14,40,42/02	11468	39	38*,39,43/02	12255	15	13*,44/02
11307	36	9,13,28,31/02	11384	7	48/02*	11469	8	N11,N24,N39/02	12256	13	19*,33,44/02
11308	21	4,6,18,26/02	11385	31	5,12,16,17,25,33/02	11470	17	2/02	12261	28	37*,44/02
11309	36	13*,14,21,26,28,36,46/02	11386	22	38/02*	11471	33	11,24/02	12263	51	38/02*
11310	1	N4,N7,N8,N21,N46/02	11387	43	5,8,12,16,17,25,30,33,35, 38,39,43,49/02	11472	19	9/02*	12264	28	38/02*
11311	23	15*,21,46/02	11388	35	45/02	11473	16	19/02*	12266	27	30/02
11312	3	2*,4,7,8,21,26,28,36, 37,40,42/02	11389	35	9/02	11474	28	11/02	12268	10	22/02*
11313	22	4,31/02	11390	29	6,7,9,12,17,23,27,30,	11475	1	4,11,16,18,26,28,31,34, 38/02	12270	31	3,5,8,14,21,27,36/02
11314	21	4,8,14/02	11391	29	6,7,9,12,17,23,27,30,	11476	18	34/02	12272	29	26*,27,36,45/02
11315	30	37/02*	11392	42	31*,33,37,40,41,42,45, 49/02	11477	16	12/02*	12273	53	26*,31,36,45/02
11316	38	4,11,13,14,16,21,25,36, 37,40,42/02	11393	42	31*,33,37,40,41,42,45, 49/02	11478	19	12/02*	12274	33	37/02*
11317	29	20*,21,25,37,40,49/02	11394	43	45*,49/02	11479	1	4,11,16,18,26,28,31,34, 38/02	12277	31	26/02*

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 49/02

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.
12289	47	39/02	13244	39	22*,48/02	14776		N31/02*	16012	21	38/02
12300	42	17,18,19,28,29,37,39,42, 45/02	13246	36	11,26,27/02	14777		N31/02*	16013	28	17,22,29/02
12301	21	N20*,N28,N29,N37, N39,N42,N45/02	13253	17	20,26/02	14782	24	21,22/02	16041	8	13/02*
12304	42	28*,42/02	13260	38	28*,36,43,48,49/02	14785	16	22/02	16042	7	39/02*
12311	41	2,4,15,18,28,31,42/02	13263	7	N2,N8,N11,N20,N21, N25,N27,N36,N43,N48, N49/02	14786	13	5*,24/02	16061	8	19*,27,37,49/02
12312	51	4,5,8,9,18,21,27,31,33, 42,43/02	13264	103	5,21,36,49/02	14800	9	19,23/02	16206	7	2/02
12313	48	5,9,14,18,21,27,31,33, 43/02	13267	30	6*,12,17,19,27/02	14804	24	20/02*	16220	5	6/02
12314	30	46/02*	13270	59	2,3,5,9,17,19,33,34,40, 43/02	14812	3	19/02	16363	12	38/02*
12316	28	11,26,27,37,39,42,45, 46/02	13272	47	3,11,19,28,40/02	14813	20	24/02	16380	13	13,17/02
12317	31	15*,26,37/02	13274	24	3,5,17,19,27,45/02	14820	18	31*,35,38,39/02	16382	10	13,17/02
12318	40	19,39,45/02	13275	27	2,5,17,19,27,45/02	14823	29	45/02	16435	5	27/02
12323	23	19,40/02	13276	21	19,27/02	14824	25	24/02	16440	13	37/02
12324	29	18/02	13283	18	11/02	14826	26	21/02	16441	7	37/02
12326	48	12,17,18,27,28/02	13285	10	11/02	14829	5	21/02	16442	6	3,37/02
12327	95	19*,20,21,22,28,30,33, 35,37,38,43,45,47/02	13286	29	39*,40/02	14830	29	18,23,39/02	16480	10	38/02
12331	29	4,15,22,43/02	13288	40	2,9,11,15*,20,23,29,36, 43/02	14832	33	7,20,24,26/02	16521	5	27/02
12332	21	15,22,43,46/02	13290	34	2,10,20,36,40,43/02	14833	25	7,20,26/02	16531	7	18,02*
12333	32	46*,47/02	13292	36	20*,36,40/02	14835	31	39/02	16556	10	17/02
12334	64	3,22,27,30,33,45/02	13293	33	26*,29,43/02	14836	27	42/02*	16568	12	39/02*
12335	39	6/02*	13296	25	43/02	14837	27	26/02*	16575	1	39/02
12337	22	8,15,20,28,31,45/02	13298	10	43/02	14838	2	35,37,38,45/02	16576	3	42/02
12339	43	5/02	13301	20	9,25,33/02	14839	35	7,21,24,37/02	16580	11	39/02
12341	25	22/02*	13302	21	3*,8,9,20,25,41/02	14840	12	4,18,23,39/02	16590	10	38/02*
12343	18	37/02*	13303	12	48/02*	14843	22	23,39/02	16596	12	39/02*
12345	10	42/02*	13305	28	8,25,40,41,49/02	14844	31	4,18/02	16597	8	16,43/02
12347	29	25/02	13308	11	14,40/02	14845	26	4,18/02	16598	9	43/02
12348	33	25/02	13309	28	42/02*	14846	11	18,23,24,39,40/02	16599	6	16,43/02
12350	57	39*,49/02	13310	20	5,21,36/02	14847	30	24,40/02	16603	7	42/02
12352	29	9*,12,34/02	13311	11	19*,49/02	14848	56	9*,23,24,31/02	16604	11	22/02*
12354	39	9*,12,14,22,28,33,37, 45/02	13312	9	19/02*	14850	51	21*,23/02	16606	11	37/02*
12358	19	46*,49/02	13313	13	5,41/02	14852	44	9*,20,23,25,26,37/02	16645	18	13/02*
12362	16	49/02	13315	11	19*,49/02	14853	13	21*,23,24,25,26,31,37/02	16646	12	5/02*
12363	39	2,3,14,18,28,44/02	13318	18	38*,41/02	14854	13	24/02	16660	28	7,13,22,25,29,42/02
12364	33	20*,22,28,44,47,49/02	13322	9	19/02*	14860	35	8*,21,24/02	16662	6	3,22,29/02
12365	26	2,18/02	13324	13	5,41/02	14862	28	26/02*	16663	6	3,7,13,22,25,29,42/02
12366	27	3,14/02	13325	14	5/02	14863	30	5*,10,24/02	16665	7	7,13,22,25,29,42/02
12367	23	18/02	13326	12	41,43/02	14864	26	24,37/02	16680	10	6/02
12368	26	42/02*	13334	3	39/02*	14867	25	6,32/02	16681	10	37/02*
12369	25	31*,44/02	13336	4	13/02*	14869	26	9/02*	16682	14	6/02
12370	18	39/02*	13338	3	19*,36/02	14871	2	21/02	16700	27	21*,49/02
12371	22	28,47/02	13340	5	33,36,39/02	14872	3	21/02	16701	18	21/02*
12372	31	45*,47,48/02	13402	65	40/02	14873	2	35/02	16702	10	8,38/02
12375	21	22/02	13403	30	33/02	14880	30	33/02	16705	19	5*,49/02
12377	14	22,25,37/02	13407	58	33/02	14881	31	28*,33/02	16707	10	34,37/02
12401	7	31*,47/02	13408	10	41/02*	14883	42	6,17,23/02	16708	25	37,49/02
12402	8	31*,33,47/02	13409	29	41/02*	14886	10	8/02	16709	22	15*,49/02
13000		N8,N11,N12,N13,N21, N25,N48,N49/02	13409	2	33/02	14901	13	17,24,31/02	16711	2	15/02*
13003	45	2,8,11,12,13,19,21,23,25, 36,37,42,48,49/02	13414	29	21/02	14910	22	25,31/02	16713	2	13*,49/02
13006	30	39*,44,48,49/02	13415	2	37/02	14916	10	45/02*	16741	9	46/02
13009	30	42*,48,49/02	13418	38	21/02	14917	23	17/02	16762	9	26/02*
13200	33	13*,25,37,48/02	13420	12	19/02	14918	26	25/02	17003	4	8,9,47/02
13201	10	N13,N25,N37,N48/02	13423	21	19/02	14919	27	10,24/02	17005	10	8,9,11,41,45,47/02
13203	12	37/02	13424	20	19/02	14924	27	28*,32/02	17008	12	8,13,43/02
13204	12	13/02	13426	28	40/02	14926	9	18,31,32,35,37/02	17300	29	46/02
13205	36	9,12,37,42,45,48/02	13428	28	40/02	14927	24	21*,31,32,35,37/02	17302	18	21/02*
13209	23	14,37/02	13429	26	40/02	14928	20	31,37/02	17303	9	15,37/02
13211	13	9,21,23,47/02	13429	16	46/02	14929	23	18,31,32/02	17316	20	28/02*
13212	34	9,12,21,23,45,47,48/02	13425	17	38/02	14930	24	45/02	17320	15	15/02
13213	39	8,45/02	13426	32	40/02	14931	24	35/02*	17330	7	15/02
13214	27	34*,45,48/02	13427	28	40/02	14932	22	32/02	17360	32	44/02
13215	17	9,14,45,48/02	13428	11	40/02	14933	24	35*,37/02	17372	10	2/02
13216	1	N12,N48/02	13429	6	16,34/02	14934	26	4,6/02	17379	1	15*,20/02
13217	14	14/02	13432	13	34/02	14935	21	17/02	17381	10	13/02*
13218	38	11,29,42,45/02	13433	8	19,34/02	14937	23	13,17/02	17382	14	44/02
13219	12	14/02	13444	5	19/02	14942	25	35/02	17383	1	31*,49/02
13221	53	2,4,15,29,44/02	13460	47	35/02	14946	22	10/02	17384	7	44/02
13223	36	2*,15/02	13460	37	35/02	14947	25	21/02	17385	13	44,48/02
13224	36	7*,44/02	13470	25	16,17,26,33,37,40/02	14948	24	32/02	17400	16	14,15,36/02
13226	5	2,4,5,44/02	13474	5	37,40/02	14949	32	21,24/02	17402	10	46/02*
13227	13	2,4,5/02	13475	7	16/02	14950	9	18/02*	17409	10	39/02*
13229	27	11,17,39,42,45/02	13475	17	15/02	14952	25	21/02	17412	2	12/02
13230	45	11,39,42,45/02	13476	36	16,26,33,36/02	14953	23	17/02	17413	2	13,14,43/02
13232	4	11,39,42/02	13486	3	36/02	14954	25	35/02	17414	3	41/02
13233	16	17/02	13486	4	33/02	14956	22	10/02	17416	3	13/02
13235	5	17/02	13487	16	15,19/02	14970	25	6,40,46/02	17420	26	14,36,37,42,43/02
13236	29	45/02	13487	17	15/02	14972	25	21/02	17421	1	14/02
13237	38	2,4,17,42,48/02	13487	16	15,19/02	14974	24	32/02	17425	6	18/02*
13241	15	21*,34,42/02	13487	17	15/02	14975	32	21,24/02	17426	13	37/02
			13475	7	16/02	14984	9	18/02*	17427	7	11,12,14,16/02
			13475	36	16,26,33,36/02	14984	9	18/02*	17429	2	N38/02*
			13486	3	36/02	14984	9	18/02*	17434	11	11/02
			13486	4	33/02	14984	9	18/02*	17437	8	14,16/02
			13486	16	15,19/02	14984	16	18/02*	17438	12	10,12,14,16/02
			13487	16	15,19/02	14984	11	9/02	17443	12	8,10/02
			13487	17	15/02	14984	16	18/02*	17444	4	10,12/02
			13487	16	15,19/02	14984	11	9/02	17445	2	12,16/02
			13487	17	15/02	14984					

SECTION I

NM 49/02

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 49/02

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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.
17471		N15/02	18474	7	45/02*	18773	38	4,8,18,20,23,25/02	22130	2	44/02
17480	4	8,15,43/02	18476	4	6,7,12,17,22,32,39/02	18774	10	35/02*	22138	2	8,18,41,44,48/02
17485	4	16/02	18477	5	4,12/02	18775	2	N20/02	22140	2	4,30,34,36,44/02
17489	19	8,43/02	18480	28	28*,40,P44,45,47,48/02	19002	9	N23,N25,N37/02	22142	2	39,41,43/02
17491	3	8/02	18484	10	28,40/02	19004	36	23,25,35,37/02	22143	3	6,8,17,41/02
17495	2	8,43/02	18485	14	15,28,40,P44,48/02	19010	17	45/02*	22145	2	N41/02
17503	4	11,43/02	18500	28	19*,22,32,39/02	19013	16	25/02	22160	2	4,30,34,39,41,48/02
17506		N8/02	18502	84	30*,32,39,42,49/02	19320	16	23,27,35,37/02	22170	3	13*,30,39/02
17513		N8,N11,N42,N43/02	18504	64	18/02	19324	22	27,35/02	22172	8	48/02*
17515	7	8,11,12/02	18520	24	10,33,39/02	19327	10	23/02	22173	36	48/02*
17517	8	4/02	18521	69	34*,39,49/02	19330	9	6/02*	22180	2	30,34/02
17518	7	6,P44,48/02	18523	53	3,7,10,12,15,25,26,33/02	19339	1	N25,N35,N49/02	22181	16	17,27,39,41/02
17519	13	4/02	18524	33	18*,26,28,31,33/02	19340	26	25,35,49/02	22182	6	7,8,30,34/02
17520	2	N4/02	18525	33	4,7,11,14,15,28,31,33/02	19341	9	7/02*	22183	3	20/02
17521		N8/02	18526	55	4,7,11,15,16,28,31,33/02	19347	17	25/02	22190	2	30/02
17525		N8/02	18527	21	16,31/02	19350	11	27/02	22205	2	14,16/02
17528		N8,N43/02	18528	9	31/02	19351	9	25/02	22221	20	20/02
17541	3	8,43/02	18531	20	7*,11,26,31,34/02	19357	22	42*,49/02	22250	2	42/02
17542	6	47/02	18532	20	7/02*	19358	20	28/02*	22259	4	20/02
17543	17	9,11,13,41/02	18541	8	21/02*	19360	1	N37/02	22264	2	20,42/02
17545	13	9,43,47/02	18558	37	19*,39/02	19362	12	49/02	22275	3	20,42/02
17546	22	9,13,42,43,47/02	18561	11	10,33,39/02	19366	36	13*,31,49/02	22282	17	19/02
17549	6	13,47/02	18580	21	10,26,33,38,39/02	19367	37	22,31,49/02	22283	3	N19/02
17550	4	15,42,43,P44,45,47, 48/02	18581	17	49/02*	19369	5	22,31,49/02	22290	4	20/02
18000	8	8,45/02	18583	38	4,7,31,33,42,49/02	19379	1	N25/02	22293	15	20/02
18002	6	N8,N45/02	18584	47	7,30,39,49/02	19380	14	25/02	22313	2	44/02
18003	18	10,26,33,38,39,40,P44, 45,47,48/02	18587	68	7,11,14,25,30,33,39, 42/02	19381	8	25,49/02	22314	1	44/02
18005	4	N6,N8,N20,N34/02	18588	36	32,33,49/02	19383	17	49/02	22341	9	19,43/02
18007	31	6,10,14,20,26,33,34,37, 38,39,40,47/02	18600	14	15*,33,37,38,40/02	19387	9	N25/02	22342	9	19/02
18008	7	N6,N10,N14,N20,N26, N33,N34,N37,N38,N39, N40,N47/02	18601	13	6/02	21005	5	45/02	22343	1	N19,N43/02
18009	2	N34/02	18602	11	26,32,33/02	21008	62	39,42,43/02	22344	5	N42/02
18010	20	6,33,34,37,38,39,40/02	18603	15	37,40/02	21014	72	42/02	22345	11	42/02
18020	36	6,8,20,34,37,45/02	18620	23	35/02*	21017	50	23,41/02	22347	5	N19/02
18022	33	13*,23,34,37,45/02	18622	52	26,28,49/02	21020	42	23,41/02	22351	1	N43/02
18400	42	4,6,10,11,15,P44,48/02	18623	11	34/02	21021	3	45/02	22361	2	N7/02
18401	12	5/02	18626	15	37/02	21023	41	5,34/02	22371	5	7/02
18402	22	4/02	18640	24	13,15,24/02	21026	47	5,13/02	22375		N19/02
18403	21	4/02	18643	16	24,49/02	21033	46	14,20,32/02	22381		N19,N43/02
18405	12	43/02	18645	24	15,19/02	21120	27	47/02	22395	2	4,19,42/02
18406	5	5/02	18649	62	3,8,11,12,15,19,20,23,33, 36,38,41/02	21121	18	47/02	22403	1	N45/02
18407	5	4,8/02	18653	9	3,8,11,15,19,36,38,41/02	21122	5	47/02	22404	15	46/02
18409	8	11/02	18654	42	28*,38,49/02	21140	1	45/02	22409	4	N45/02
18414	9	8/02	18655	58	10*,19,49/02	21141	23	48/02	22410	32	4,7,11,43,44,46/02
18415	8	5,13,42/02	18656	52	19,23,26,27,30/02	21144	27	34,44/02	22412	2	7/02
18416	6	10,P44,48/02	18657	18	19,26,27,30/02	21489	1	13/02	22413	5	N45/02
18419	11	47/02	18658	29	23,26,27/02	21500	1	5/02	22418	2	24,36,44,46/02
18420	1	13/02	18659	14	26,30,49/02	21510	1	13/02	22421	4	N4,N7,N11,N43,N44, N46/02
18421	44	20*,26,P44,48/02	18660	1	30,49/02	21520	1	5/02	22425	2	7,11,44,46/02
18423	32	4,5,6,7,8,9,15,17,26,32, 39,P44,48/02	18661	26	23,27,30/02	21521	14	5/02	22427	1	N4,N43,N44,N46/02
18427	21	35/02*	18662	20	30/02	21529	1	14/02	22429	5	18/02
18428	9	19/02*	18663	4	23,27/02	21540	3	5/02	23000	5	18/02
18429	8	4,P44,48/02	18666	1	9*,26/02	21563	3	45/02	23010	4	27,38/02
18430	7	28/02*	18680	30	15/02	21601	4	14/02	23023	4	27/02
18431	5	30*,P44,48/02	18685	31	25/02	21602	1	28/02	23030	6	27,38/02
18432	4	5/02	18700	21	8,34,36,37/02	21605	7	19/02	23115	3	27/02
18433	4	5,15,P44,48/02	18703	24	13*,36,37/02	22004	38	18,20,23,30,32,34,36,39, 41,43/02	23121	7	30/02
18434	4	15,26,P44,48/02	18704	12	37/02	22008	35	4,13,18,30,34,36,39,41, 43,44,48/02	23122	8	23,30,33/02
18440	25	4,6,7,9,12,15,17,22,33, 39,P44,48/02	18720	31	8,23,35/02	22080	3	20,32/02	23123	3	30/02
18441	42	30*,32,39/02	18721	11	8,35/02	22082	4	4,17,19/02	23124	3	N30/02
18443	15	7,8,17,39/02	18723	3	8/02	22083	5	19/02	23125	4	30/02
18444	15	7,8,17,39/02	18725	26	4,8,23,35/02	22050	4	19/02	23126	6	N24/02*
18445	29	4,6,7,8,12,15,17,22,28, 32,33,39/02	18740	39	8,16,20,23,34,37,45/02	22051	18	28/02	23127	4	N24/02*
18446	15	4,6,8/02	18741	18	N25,N45/02	22052	6	28,46/02	23128	4	N24/02*
18447	26	4,11,27/02	18744	30	37/02	22080	3	20,32/02	23129	2	N24/02*
18448	32	12,15,17,33/02	18746	34	7*,20,23,34/02	22082	4	4,17,19/02	23131	7	26,31/02
18449	17	15,17/02	18749	38	7*,10,16,18,20,23,25,27, 40/02	22083	5	19/02	23141	7	34/02
18452	16	17/02				22084	4	42/02	23150	10	20,37/02
18453	23	28,38/02	18751	42	7*,10,16,20,25,27,40/02	22090	2	30,32,43/02	23152	3	37/02
18455	2	N17,N22,N39/02	18754	16	36/02	22100	3	20,32/02	23153	8	20,31/02
18456	19	12/02	18758	6	35/02*	22101	19	16,20,32,43/02	24000	39	27,29/02
18457	9	12,15/02	18760	6	N8,N16,N23,N34,N35, N45/02	22111	4	32/02	24004	36	5,7,29,30/02
18458	14	6,7,17,22,32,39/02	18761	2	N20/02	22112	3	23,25,30,32,43/02	24008	42	7/02
18459	5	N7,N17,N22,N32, N39/02	18762	15	20/02	22113	8	23,25,30/02	24012	40	6/02
18460	10	15,28,40,P44,47,48/02	18763	9	20/02	22114	5	16,32,42,43/02	24016	53	30,39/02
18464	22	9,32/02	18765	15	18*,25,45/02	22120	3	8,18,23,30,34,36,39,41, 43/02	24020	47	27/02
18465	34	26,P44,48/02	18766	7	25,45/02	22121	9	6,8,17,23,30,34,36,44/02	24028	6	23,48/02
18467	8	13*,32/02	18768	4	N25,N45/02	22124	2	17,34/02	24050	11	27,31,34,38,49/02
18471	8	13*,32/02	18769	2	N20/02	22125	1	18,36/02	24052	15	31,37,38/02
18473	6	4,6,8,12,22/02	18772	46	20,25/02	22126	1	36/02	24053	16	24/02
									24055	6	37,49/02
									24057	4	31,38,49/02

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 49/02

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24058	2	31,32,37,38/02	24517	2	18,19,46,49/02	27081	6	49/02	35330	2	4,12,22,38,41/02
24060	2	34/02	25001	7	9,12,17,19/02	27082	6	9,18,49/02	35350	2	7,38,41/02
24080	5	29/02	25017	5	9,12/02	27100	2	31/02	35390	2	12/02
24091	6	26/02	25018	9	9,12/02	27120	4	41,43,44/02	35400	11	8,12,30/02
24092	14	26/02	25400	1	23,26,35,48/02	27163	21	9,49/02	35402	3	38/02
24100	5	27,29/02	25480	1	20,42,46/02	27183	8	5/02	35405	2	8/02
24101	3	37,41/02	25481	25	4,26/02	27186	8	5/02	35420	13	12,24,30/02
24102	3	37,41/02	25484	23	11/02*	28004	1	5,20,23,45/02	35421	14	31/02
24110	3	27,29/02	25485	45	23,26/02	28050	3	13,28,34/02	35423	6	31/02
24130	14	24,29/02	25487	2	23,26/02	28110	2	15/02*	35424	3	30/02
24132	13	10/02	25524	43	11,33/02	28162	29	28/02	36005	2	6,7,12,13,14,15,17,24,27, 28,34,36,38,45,46/02
24140	18	4,32/02	25526	2	11,19,33/02	28164	17	28/02	36010	27	8,12,16,19,20,22,24, 38/02
24149	1	32/02	25527	31	11,33/02	28170	1	4/02	36015	2	13,17,24,27,36,46/02
24150	27	6,27,29,30,32/02	25528	5	21,42/02	28190	2	41,43,45,46/02	36040	16	12,19,30/02
24151	4	29,32/02	25550	2	17,19,24/02	28196	4	41,43,45/02	36046	5	38/02
24152	2	30/02	25563	50	17,33/02	28197	4	45/02	36060	17	8,12,16,19,31,38/02
24153	6	10,30/02	25565	7	33/02	28202	22	41,44/02	36061	5	46/02
24154	12	10/02	25566	27	17/02	28210	2	33,35,39,41/02	36062	11	40*,46/02
24156	2	22/02	25567	16	19/02	28220	2	35,39/02	36081	16	12/02
24159	1	27/02	25570	3	19,31/02	28221	18	33,37,39/02	36106	7	18,47/02
24160	21	6,27,28/02	25575	4	4,31/02	28223	4	35,39/02	36117	6	18/02
24161	11	11,27,42/02	25600	47	24/02	28260	30	35,37/02	36120	9	16,19,20,22,31,46/02
24162	9	4,11,22,27,42/02	25601	34	10,17,19,20/02	28263	3	35,37/02	36122	12	16,19,21/02
24164	6	10,27/02	25607	4	24,39/02	28264	3	35,37/02	36123	25	16,19,21,46/02
24200	14	6/02	25608	21	10,17/02	28265	3	37/02	36137	4	38/02
24211	7	24/02	25609	5	30/02	28281	32	36/02	36138	3	39/02
24220	14	27,28/02	25613	2	5,14,30/02	28282	2	35/02	36140	12	13,21,22,24,36,41/02
24222	3	27/02	25640	40	28/02*	28300	1	23,39/02	36142	6	24/02
24223	33	18/02	25641	26	57,30/02	28302	16	31,33,39,40/02	36143	4	18,34/02
24230	20	10,18,30/02	25644	12	42/02	28310	2	23,31,33,35,39/02	36161	10	13,20,24,34,44,45,47/02
24233	15	36,43/02	25645	17	15/02*	28320	6	33/02	36162	10	13,20,35,45,47/02
24234	3	30/02	25646	7	N42/02	28321	36	29/02	36163	13	20,31,34,35,38,44,45, 47/02
24240	5	30,39/02	25649	18	18,30,35/02	28323	2	27,29/02	36164	7	34,38,44,46/02
24250	5	30,39/02	25650	33	22*,30/02	28325	2	27,29/02	36165	6	17,18,20,22,24,28,36, 44/02
24251	23	24,34,43/02	25663	27	19/02*	28330	2	27/02	36167	2	24,40/02
24252	5	30,39,43/02	25668	18	15*,16,48/02	29015	5	2,22/02	36173	1	40/02
24260	5	34/02	25670	41	26,38,48,49/02	29121	5	32/02	36180	23	13,17,20,21,22,36,40/02
24270	3	24,27/02	25673	15	28,42/02	29122	5	32/02	36181	18	17,20,21,22,36,40/02
24290	3	36,43/02	25677	19	4,21/02	35000	26	11,13,23,24,47,48/02	36182	6	13,20,36,40/02
24291	4	36/02	25681	15	4/02	35008	21	45,48/02	37000	22	11,23,28,47,48/02
24292	4	36/02	25683	17	30,49/02	35009	19	15,40,41,45/02	37005	16	17,18,23,41,45,47/02
24293	6	6,32,36/02	25687	11	12,15,35/02	35011	2	11,48/02	37010	23	15,16,17,18,23,26,41,45, 47/02
24294	22	6,36/02	25700	3	8,12/02	35016	17	12,29/02	37025	26	38/02
24311	4	27/02	25710	2	8,12/02	35031	3	12,22/02	37032	2	9,12/02
24312	4	27/02	25720	3	8,12,33/02	35032	16	12/02	37033	2	47/02
24320	4	27,28,34,43/02	25723	40	8/02	35036	21	13,17,19,24,30,36/02	37041	15	17,20,27/02
24322	6	28,34/02	25724	3	8/02	35040	18	21,45/02	37042	5	17,41,45/02
24350	2	31/02	25800	3	24,36/02	35041	8	21,35/02	37043	17	13,17,20,43/02
24370	1	34/02	25803	16	12/02	35042	9	21,27,44/02	37044	16	14,45/02
24375	2	34/02	25841	9	8,10,24,36/02	35044	9	38/02	37045	11	45/02
24380	2	35/02	25842	10	8/02	35047	5	13,35/02	37046	18	21,31,43/02
24388	2	35/02	25845	9	8/02	35060	14	18,22,40,41/02	37047	6	14/02
24404	8	14,21,26,35,44,48/02	25848	25	8/02	35080	16	18,22,40/02	37050	9	18,26,42,46/02
24405	10	14,26,35,36,44,48/02	25849	13	8,42/02	35086	5	31/02	37060	3	13,17,21,31,46/02
24406	30	20,26/02	26050	1	13,34/02	35099	3	41/02	37061	15	36,38/02
24408	21	4,14,36,44,48/02	26060	1	49/02	35100	14	40,45/02	37063	21	7,16,21,28,36,02
24410	2	21,44/02	26081	8	46/02	35101	6	41/02	37064	8	17,02*
24423	2	6,8/02	26083	14	29/02	35103	5	41/02	37065	7	19/02*
24430	5	39/02	26127	21	5,49/02	35120	13	40,45,47/02	37075	3	7,21,31/02
24431	14	39/02	26128	50	5,49/02	35130	3	48/02	37079	5	22/02
24434	4	39/02	26129	11	4,26/02	35136	2	48/02	37080	3	14,17,24,27,30,33,34,38, 40,42,44,45,46/02
24444	2	6/02	26140	2	8/02	35141	11	34/02	37081	23	18,20,21,28,38,43/02
24450	3	6/02	26142	10	8,24,33/02	35143	7	34/02	37082	9	13,28,44/02
24452	7	16,26/02	26143	10	8/02	35150	3	48/02	37083	8	20,22/02
24460	4	15,17,39,47/02	26145	10	8/02	35155	3	11/02	37084	9	20,22,38,40,43/02
24462	5	15,47/02	26147	31	8,10,13/02	35159	3	25/02	37085	8	38,40/02
24463	6	24,39/02	26148	4	8,13/02	35163	7	25,44/02	37086	8	38/02
24465	6	15,23,33,47/02	26210	2	24,36/02	35166	4	35/02	37087	7	38,40/02
24469	1	20,46,47/02	26229	11	17/02	35167	3	35/02	37089	12	21,28/02
24470	4	28,39,47/02	26230	12	17/02	35169	2	35/02	37090	8	7,14,27,32,45/02
24471	8	28,47/02	26240	7	23/02	35200	7	48/02	37095	3	13,14,15,17,18,24,28, 32/02
24480	1	14,17,25,27,41,44,45, 49/02	26260	5	12,24/02	35210	3	29/02	37101	9	6,15,18,27/02
24482	2	24,49/02	26280	7	8,23/02	35230	3	29/02	37103	9	12,13,15,27,29/02
24483	2	20,24,49/02	26284	3	8/02	35246	2	38,43/02	37104	3	12,13,41/02
24484	3	24,49/02	26290	1	8/02	35270	2	38,46/02	37106	4	12,13/02
24490	3	24,31/02	26303	4	13/02**	35276	3	46/02	37110	11	6,12,13,15,17,18,19,24, 27,28,29,47/02
24491	3	31/02	26305	4	13/02**	35277	3	38,46/02	37112	1	47/02
24492	20	31,46/02	26306	14	8/02	35279	3	38/02	37115	2	6,12,13,15,17,18,19,24, 28,29,33,47/02
24501	3	14,17,27/02	26308	4	8,15/02	35295	3	27/02			
24502	6	46/02	26309	26	8,17/02	35298	7	27/02			
24504	7	17,41,45,46/02	26320	5	5,8,12,15,24,27,28,29, 35/02	35299	9	8,12/02			
24508	2	18,19,41,45,46/02	26327	2	N41/02*	35300	17	12/02			
24509	2	17,45/02	26328	2	15/02	35301	6	12/02			
24510	2	17,18,19,41,45,46/02	27005	4	5,8,9,12/02	35303	7	40/02			
24512	3	25,29,44,46/02	27080	4	5,20/02	35308	5	8,12/02			
24513	18	46/02				35310	2	12,22/02			

SECTION I

NM 49/02

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 49/02

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.
37119	2	43/02	37441	4	9,12,15/02	44047	22	8,26,44/02	44462	4	4,6,8,19/02
37120	2	12,13,15,19,24,27,29,39, 42,49/02	37443	2	9,12/02	44048	11	8/02	44463	9	4/02
37121	11	12,13,15,24,27,29,31/02	37445	1	12,48/02	44049	9	18,44,46/02	44465	2	4,6,8,12,16,17,19,28/02
37122	12	48/02	37481	7	47,48/02	44050	21	8,18/02	44481	2	6,26,28,31/02
37123	9	19,49/02	37501	3	46,47/02	44051	1	44,48/02	51002	7	13/02*
37125	15	15,19,24,42,49/02	37505	2	46/02	44057	5	8,13,21,25/02	51007	22	38/02
37126	8	15,41/02	37506	4	45,46,47/02	44061	21	8,18,21/02	51013	4	38/02
37127	11	49/02	38030	1	9,10,20,21/02	44062	8	8/02	51017	31	37/02
37129	6	39,42,49/02	38040	5	12/02	44063	8	13,21/02	51022	11	37/02
37133	4	44/02	38041	1	12/02	44064	19	8/02	51103	10	29*,33,45/02
37134	5	38/02	38044		N12/02	44065	7	5,11,15,16,20,25,30, 42/02	51104	1	29*,33,45/02
37136	6	38,46/02	38100	4	12/02	44066	10	16,20,27,39/02	51143	4	14/02*
37137	6	46,48/02	38103		N12/02	44067	22	5,8,11,16,21,25,29/02	51144	3	14/02*
37139	8	18,23/02	38105		N12/02	44068	11	11,13,17,18,20,24,26, 44/02	51145	2	42/02
37140	33	15,17,19,21,22,24,27,29, 31,35,49/02	38460	7	18/02	44069	16	5,9,11,13,16,18,20,21,24, 29,31/02	51146	3	42/02
37141	29	20,21,23,33,36,40,48/02	38480	6	18/02	44070	7	9/02	51159	3	47/02
37145	23	46/02	38603	2	4,17,21/02	44071	4	9/02	51160	20	48/02
37147	15	13,21,35,36,40/02	38610	1	20/02	44072	4	5,21/02	51164	18	38,45,46/02
37148	13	17,21,35,38/02	38670	2	9/02	44073	2	5,21/02	51165	8	25,45/02
37149	10	44/02	38683	3	9/02	44075	4	5,9,11,16,17,21,29,31, 42/02	51166	3	N25,N45/02
37150	8	13,16,21,22,31/02	38690	2	10/02	44076	3	18,25/02	51167	6	45/02
37161	14	13,18,21,22,31,33,43/02	41060	3	34/02	44081	9	8,15,16,17,20,24,25, 39/02	51168	2	45,46/02
37162	12	11,12,15,16,17,18,26/02	42620	5	12/02	44082	11	6,11,15,16,17,18,21,24, 25/02	51220	8	33/02
37163	19	11,13/02	42740	5	2,12,34,41/02	44083	8	10,15,21/02	51225	3	27/02
37164	4	15/02	42742	3	2/02	44084	1	6/02	51240	2	33/02
37165	2	5,8,9,15,17,18,20,21,34, 36/02	42760	5	2,12/02	44085	2	21,25/02	51260	4	37/02
37166	2	8,11,12,15,16,17,18, 26/02	42762	3	N12/02	44100	7	11,13,15,16,17,18,24,25, 26,44/02	51263	23	49/02
37170	11	38/02	43030	24	11,25,28/02	44105	2	49/02	51300	4	27/02
37180	20	21,38/02	43040	6	2/02	44120	7	6,11,15,16,17,18,21,26, 27,28,29,31/02	51320	3	12/02
37182	14	35,47,48/02	43059	3	44/02	44140	8	4,6,16,26,27,28,29,31/02	51341	23	48/02
37183	9	48/02	43079	2	41/02	44146	1	6/02	51380	5	47/02
37184	8	48/02	43082	5	41/02	44150	2	49/02	51559	3	41/02
37200	15	18/02	43101	3	46/02	44152	7	6,11,15,16,17,18,21,26, 27,28,29,31/02	52040	17	43/02
37202	2	13,18/02	43102	4	46/02	44160	7	6/02	52043	21	46/02
37205	2	39/02	43104	4	46/02	44161	2	29/02	52045	6	36/02
37221	13	5,8,9,11,12,15,16,17,18, 20,21,24,25,27,28,34, 36/02	43140	4	17,41,48/02	44163	1	48/02	52051	1	43/02
37222	13	15,27,28/02	43144	4	17/02	44164	1	46,48/02	52052	1	43/02
37223	14	26,42/02	43146	2	48/02	44165	1	46/02	52086	2	45/02
37224	11	15/02	43150	2	N17/02	44178	2	21/02	52088	2	45/02
37226	17	5,9,11,15,16,17,19,20,21, 25,28,30,39/02	43160	6	17/02	44180	6	18,20,24,29,34,45,46/02	52092	1	46/02
37228	14	5,8,13,21,24,27/02	43163	3	44/02	44182	4	21,48,49/02	52120	12	32/02
37229	15	15,16,17/02	43164	3	17,48/02	44183	6	48/02	52121	8	45,46/02
37230	14	16,18,24,25,39/02	43182	4	47/02	44184	9	21,45,49/02	52122	14	45/02
37231	18	9,12,15,20,21,25,28, 30/02	43223	4	41/02	44185	7	45,49/02	52125	1	45,46/02
37232	12	12,15,16,21/02	43265	2	44/02	44186	2	21,45,46,48/02	52140	6	48/02
37234	13	9,12,15,20/02	43270	2	44/02	44187	2	21/02	52141	5	48/02
37235	11	15/02	43280	5	44/02	44192	1	21,29,46,48/02	52170	3	3/02
37241	17	13,16,17,18,26/02	43281	6	20/02*	44193	1	26/02	52172	2	3,11,40/02
37242	10	13,15,20/02	43284	4	16/02	44200	9	20,24,29,34/02	52180	14	2,21,24,42,43/02
37244	11	8,11,16,17,18,26/02	43285	5	15,16,44/02	44203	1	20,24,33,48/02	52186	3	3/02
37246	14	13,15/02	43300	5	15,44,47/02	44204	1	5,48/02	52262	6	7/02
37248	18	12,39/02	43301	4	15,45/02	44205	2	48/02	53031	1	12,13,17,18,19,21,22, 28,30,39,48/02
37258	4	15/02	43302	4	44,47/02	44220	5	46/02	53060	14	12,14,15,17,18,19,21,22, 27,28,30,32/02
37261	10	15,28/02	43303	4	41,47/02	44240	8	49/02	53061	10	14,19,28,30,44,47/02
37264	3	30/02	43304	2	44,47/02	44243	2	25/02	53063	8	14,19,28,44,47/02
37265	3	18,24/02	43321	6	30,41,47/02	44260	1	46/02	53064	6	33/02
37281	16	30/02	43323	4	30/02	44281	2	49/02	53065	2	33/02
37320	16	12,18,26,27,28,38,44/02	43324	4	30/02	44282	1	49/02	53066	2	12,33/02
37325	8	14,18,34,39,47/02	43341	7	41/02	44284	2	41/02	53081	8	15,21,30/02
37326	2	11,12,34,47/02	43360	21	17,28/02	44310	5	20,29,41,42/02	53082	13	40/02
37328	2	12,18,42,44/02	43363	5	45/02	44313	1	27,41,47/02	53083	8	18,19/02
37330	2	22,24,26,30,32,34,38,40, 46/02	43364	5	45,46/02	44319	2	21,41,42/02	53084	6	17,18,24/02
37342	3	17,32/02	43371	13	22/02	44320	4	13,23,29/02	53085	6	17,24/02
37343	10	11,45/02	43372	4	22/02	44321	6	13,19,22,23,29,32,40/02	53086	8	20,46,48/02
37344	11	17,32,34/02	43373	8	45/02	44340	11	13,16,20,21,37/02	53087	9	48/02
37350	15	15,17,27,28,30,32,34, 43/02	43374	1	22/02	44341	7	13,25,37,41/02	53088	7	33/02
37360	15	15,17,27,28,30,32,34, 43/02	43375	7	46/02	44342	8	6,13,37,41/02	53090	1	41/02
37362	6	12,17,31,43,48/02	43384	1	48/02	44360	9	8,16,20,21,34,37,41, 42/02	53093	2	20/02
37363	8	11,48/02	43385	1	5,27,45,48/02	44361	6	21,27/02	53100	16	13,18,19,21,24,28,33,39, 42/02
37367	1	38,49/02	44001	2	48,49/02	44366	1	34,41/02	53101	7	33/02
37380	2	12,15,17,34,40,42,43,44, 48/02	44015	8	28,31,48,49/02	44367	2	15,16,18,20,22,25,26,29, 35,37,40/02	53104	2	20,35,42/02
37400	10	9,15,28,34,38,40,41,44, 46/02	44030	7	20,46/02	44400	4	48/02	53105	20	37/02
37401	9	9,28,32,44/02	44036	5	28/02	44401	7	13,02*	53106	6	19*,20,24/02
37402	7	28,32,41,42,44/02	44040	23	28,44/02	44420	6	5,36,49/02	53107	16	35/02
37403	23	12,24/02	44041	7	48/02	44430	2	4,6,16,17,28/02	53110	1	29,40/02
37404	1	9,12,34,43/02	44042	7	21,44,45,49/02	44440	6	31/02	53111	3	31,44/02*
37420	1	9,12,34,43/02	44043	8	44/02	44444	6	4,6,8,12,16,17,19,28,02	53120	14	13,18,20,21,27,28,39, 42/02
37420	10	9,12,34,43/02	44046	10	18/02	44461	10	4,6,8,12,16,17,19,28,02	53122	3	20,29,40/02

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 49/02

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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.
53125	2	46/02	54300	12	8,11,13,14,31/02	56042	6	22/02	62000	20	18,46/02
53130	1	27,42,47/02	54302	1	8,11,13,14,31/02	56043	6	22/02	62001	4	2,36/02
53133	3	6*,41,46/02	54303	4	8/02	56044	3	22,38/02	62024	13	13,14,38,40/02
53135	2	20/02	54314	2	13/02	56060	8	33/02	62028	15	5,8,12,18/02
53141	5	20,24,34/02	54318	3	5,19/02	56063	1	2,14,21/02	62032	15	13,16,18,23,29,32,33, 43/02
53147	3	36,39,42/02	54320	4	7,13,20,48/02	56064	6	14,38/02	62033	2	N13,N16,N18,N23,N29, N32,N33,N43/02
53149	2	31/02	54322	7	5,13,19,20/02	56065	3	33,38/02	62040	5	13/02
53160	14	20/02	54324	8	19/02	56067	3	48/02*	62046	2	13,39/02
53162	6	15,20,33,37/02	54327	4	20,31/02	56081	19	41/02	62050	6	18,44/02
53164	9	20,37/02	54329	4	5/02	56083	2	7,31/02	62090	7	2/02
53165	13	39/02	54330	2	5/02	56100	13	41,49/02	62092	7	2,41/02
53180	10	2,33,34,43/02	54333	3	5/02	56101	6	33/02	62093	7	2,16,41,49/02
53181	4	2,34/02	54334	3	7/02	56103	6	18,30/02	62095	2	2,3,16,41,49/02
53182	4	36/02	54337	3	19,31/02	56104	2	41,49/02	62100	6	2,4,12/02
53183	13	19*,35/02	54339	8	7,17,31/02	56191	2	18/02	62110	9	2,4/02
53184	5	32,35/02	54340	8	19,48/02	56195	3	22,02*	62120	6	11/02
53200	6	2,33,33,36,43/02	54343	10	14,19,48/02	57063	5	40,41/02	62121	9	11/02
53203	11	3/02	54344	6	14,19,48/02	57064	3	41/02	62140	1	34,40/02
53204	10	3,44/02	54346	8	14,19/02	57101	18	41/02	62142	10	24,28/02
53206	6	17/02	54360	12	15,19,20/02	57120	13	43/02	62143	3	24,28/02
53220	6	2,36,43/02	54363	3	15,19,20/02	57140	10	43/02	62144	3	24/02
53223	5	29/02	54365	6	15,19,36/02	57141	14	43/02	62170	2	38/02
53226	2	15/02	54366	3	15/02	57142	6	43/02	62171	4	38,47/02
53242	12	2/02	54367	3	15/02	57160	10	43/02	62191	14	22,29,41/02
53244	2	2/02	54368	4	20/02	57161	4	31/02	62193	17	17*,19,31/02
53262	7	22,42/02	54369	4	13,15/02	57162	7	43/02	62194	8	17*,18,19,31,36/02
53263	1	37/02	54372	2	20/02	57164	2	43/02	62195	6	22,36,41/02
53265	6	19,35,41,46/02	54380	6	5,19,26,42/02	57165	1	43/02	62220	8	8/02
53268	4	22,42/02	54382	9	26/02	57170	1	43/02	62225	3	17*,37/02
53269	5	19/02	54386	10	7,42/02	61015	8	17/02	62242	11	47/02
53279	3	9/02	54387	7	6,23,42/02	61018	4	18,24/02	62250	4	34,38/02
53281	4	31,40/02	54389	8	6,43/02	61020	2	17,28/02	62270	4	37,41/02
53282	8	40/02	54400	8	5,7,20,32,43/02	61021	3	18/02	62271	5	37,41/02
53283	4	33/02	54403	4	6,22,43/02	61036	8	8,27/02	62285	2	26/02
53284	4	33,40/02	54404	4	19/02	61110	3	12,28/02	62290	3	2,11,26,37,41,02
53285	4	35/02	54407	4	32,43/02	61111	12	12/02	62292	2	24/02
53287	6	20,27,35,42/02	54409	2	23,32/02	61112	10	14,17/02	62295	3	2/02
53290	1	35/02	54413	3	31/02	61120	4	12,28/02	62310	2	6,27/02
53301	4	27/02	54416	5	7/02	61130	3	12,28/02	62313	4	17*,27/02
53303	6	49/02	54418	4	32,43/02	61140	5	12,27/02	62330	2	14,38,40/02
53306	2	21,39/02	54421	6	6,7,28,47/02	61141	6	38/02	62340	3	38/02
53311	3	39/02	54422	4	19/02*	61142	6	38/02	62360	5	18,38/02
54040	3	37/02	54423	5	48/02*	61150	4	12/02	62361	2	N18,N38/02
54041	7	18,35/02	54430	1	26,28,37,43/02	61160	3	12/02	62366	3	38,40/02
54043	2	15,17,18,29/02	54440	4	7,30,41/02	61170	5	13,27/02	62392	7	14*,18/02
54060	5	18,37/02	54441	6	30,42/02	61171	10	13/02	62393	7	34,37/02
54080	5	8/02**	54463	5	14/02	61172	6	13/02	62394	10	34,37/02
54081	3	13/02	54464	5	7/02	61180	4	20,27/02	62395	2	34/02
54083	4	19/02	54480	8	22,30,36,41/02	61182	2	13/02	62400	17	23,24,33/02
54085	2	18,19,40/02	54481	8	22,30,36/02	61190	4	39,41/02	62401	9	11/02
54090	3	46/02*	55001	4	6,18,29,36,37,42/02	61191	8	12,13/02	62402	9	2,5,6,15,17,20,49/02
54095	3	46/02*	55040	4	13,15,18,23,27,28,31,32, 39,41/02	61200	7	17,21/02	62406	2	8,24,33/02
54100	4	8/02**				61210	6	17/02	62408	7	11,15/02
54105	3	46/02*	55041	7	15,22,32/02	61220	5	17/02	62409	6	2/02
54115	3	46/02*	55042	1	18,21,27,28,42/02	61240	7	18/02	62413	11	33/02
54120	5	15,16,17,18,19,20,37,39, 41/02	55043	2	21,23,27,28,37,39,42/02	61250	4	18/02	62419	6	33/02
54125	3	46/02*	55044	5	22,23,41,43/02	61310	2	33/02	62420	5	33,37,39/02
54140	7	15,16,17,18,41/02	55045	2	18,21,23,41/02	61311	5	17,33/02	62429	9	17,27,39,43/02
54151	1	7,14,15/02	55046	4	4,21,22,23,26,27,30,31, 37,38,39,41,48/02	61312	3	17,33/02	62431	8	26*,27,37/02
54160	14	8/02**	55047	8	22,23,26,27/02	61410	2	14/02	62432	15	4,25,31,34/02
54161	12	16,17,19/02	55048	12	6,23,27,32,36,37,39,41, 48/02	61420	2	14/02	62433	12	15,30,31,34,45/02
54165	2	33,37/02	55049	6	22,27,30,41,43/02	61433	1	14/02	62434	9	12*,40,46/02
54167	2	17,19/02	55060	7	19,20,36,37/02	61434	2	14/02	62437	9	32,46/02
54168	1	37/02	55064	3	4,23,37,48/02	61440	2	15/02	62440	7	5,15,17,20,49/02
54169	3	8,16,37/02	55084	7	39/02	61450	2	14,17,27/02	62441	10	16,36/02
54180	6	7,8,10,19,41,43/02	55085	9	13/02	61470	2	15/02	62448	2	2,23/02
54195	2	11/02	55100	8	29,36,37/02	61472	1	15,20/02	62449	4	15/02
54200	4	7,8,10,11,13,21/02	55102	3	24/02	61500	2	17/02	62451	7	2,21,23/02
54201	6	13,21/02	55103	2	9,12,24,29,48/02	61510	2	15/02	62453	3	25,33/02
54220	5	7,10,13/02	55104	2	9,48/02	61520	2	15/02	62455	7	17,27,39,43/02
54222	4	21,43/02	55105	7	6,9,12,18,29,36,41,42/02	61522	1	15/02	62456	1	27/02
54223	2	13,21/02	55110	2	4,7,23,24,29,37/02	61538	1	15/02	62457	5	5,6,17,20,21,24,36,49/02
54224	2	13,21/02	55120	3	36/02	61540	2	15,20/02	62460	4	6,24,31,33/02
54225	2	21/02	55128	2	4,5,6,9,26,33,36,38/02	61541	8	4/02	62464	2	15*,31,49/02
54226	2	7/02	55129	7	6,9,33,36,37/02	61542	6	4/02	62480	1	13,15,18,23,30,31,33,37, 43/02
54227	2	7/02	55130	2	13,27,45/02	61550	2	17/02	62490	1	2,4,12,16,18,25,29,31,32, 33,43/02
54240	11	8/02**	55131	1	27,36,45/02	61560	2	15/02	62498	4	12*,23,25,27,31,02
54260	3	8/02**	55139	5	41/02	61581	5	14,18/02	62499	4	15*,25,27,31,49/02
54279	3	N20/02	55150	2	4,6,7,24,28,29,37/02	61582	4	14,18/02	62510	2	6,23,31,33,34/02
54280	10	11,14,15,20/02	55160	2	6,18,24,28,29,42/02	61591	4	8/02	62512	2	N6,N23,N31,N33, N34/02
54281	6	20/02	55161	1	7,29/02	61592	4	8/02	62515	2	14,26,45/02
54283	5	8,19,20/02	55170	2	9,12,18,29,31,36,41/02	61610	7	28,29/02			
54286	4	14,19/02	55175	1	24,28/02	61611	11	28/02			
54287	7	7,9/02	55180	2	9,33/02	61612	4	28/02			
54288	5	9/02	55200	2	12,27/02	61650	3	17/02			

SECTION I

NM 49/02

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 49/02

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.
62520	5	5,6,7,13,15,17,20,30,31, 37,43,49/02	71066	1	39/02	73010	3	13/02	74253	6	4,11,15,17,19,23,25,27, 32,47/02
62521	3	N5,N6,N7,N13,N15, N17,N20,N30,N31,N37, N43,N49/02	71071	5	15/02	73012	5	9,10,42,48/02	74261	9	15,25,41,49/02
62530	5	7,31,33,43/02	71081	3	16/02	73014	10	48/02	74265	2	4,11,15,17,18,19,25,31, 38,41,43,47,49/02
62531	3	N7,N31,N33,N43/02	71140	6	33,39,46/02	73016	4	15,44/02	74270	3	9,18,19,26,31,38/02
62540	6	17*,18,21,23,25,26,29, 31,32,34,40,45,48/02	71180	29	2,8,10,33,37/02	73018	3	13/02	74271	9	9,19,28,38,46/02
62541	3	N17*,N18,N21,N23, N25,N26,N29,N31,N32, N34,N40,N45,N48/02	71183	13	32/02	73020	9	3,25/02	74272	7	26,32/02
62550	2	7,13,30,43/02	71185	24	5,8,13/02	73022	4	13/02	74273	5	18,19,31,38,41,43/02
62560	3	2,21,23,25,29/02	71186	2	5,8,13/02	73024	3	39/02	74283	2	46,49/02
62570	4	17*,21,23,25,26,31,32, 33,34,36,40,45,48/02	71210	18	44/02	73030	4	4,20/02	74285	2	31,34,35,45/02
62580	3	2,4,14,23,26,32,33,45/02	71211	4	38/02	73032	4	4,25/02	74286	2	15,22,24/02
62590	2	4,9,12,16,28,29,36,40,46, 48/02	71212	1	18,38/02	73041	2	18/02	74287	2	27,34,38/02
62591	3	N4,N9,N12,N16,N28, N29,N36,N46,N48/02	71223	8	17/02	73141	5	13/02	74289	5	13,18,26/02
63000	13	5,12,27,28,48/02	71230	11	23,38/02	73271	7	21/02	74290	11	13,25,34,39,45,46,48, 49/02
63005	18	4,15,25,31/02	71239	3	4/02	73552	4	9,25,34,45/02	74292	8	13,27,34,38/02
63010	14	26,29,31/02	71241	10	18/02	73570	7	34,45/02	74293	7	25,34,45/02
63015	11	31,38,40/02	71243	4	33/02	73581	4	16/02	74294	3	25,34,45/02
63020	15	27,31/02	71247	18	20,21/02	73590	6	16,31,47/02	74295	3	18,22/02
63040	2	12*,46/02	71248	1	N18*,N20,N35/02	73601	3	12,15,17,24,26,31,34,35, 47/02	74296	4	27,34,38,49/02
63050	2	5,12,17,46/02	71249	2	35/02	73610	4	26,31/02	74310	2	9/02
63053	4	12*,14/02	71250	5	9/02	73631	4	36,46/02	74320	3	35/02
63054	3	19*,31/02	71257	2	4,8,9,15,18,21,23,28/02	73640	5	23,36/02	74330	3	15/02
63055	2	5,14,29/02	71258	2	4,9,15,18,20,21,28,35/02	74000	6	10,12,24,36,47/02	74340	3	15,27/02
63060	7	5,12,25,28,32/02	71259	2	18,20,21,33/02	74002	2	2,13,14,18,25,27,28,35, 47/02	74350	4	25/02
63062	7	5,18,28,29/02	71261	8	2,13,35/02	74003	5	2,22,25,28,47/02	74376	5	43/02
63063	9	5,27,29/02	71265	3	46*,49/02	74004	2	12,13,18,35,37,39,47/02	74380	4	2,3,9,22,32/02
63065	6	18/02	71271	10	23,25,30,34/02	74005	2	9,13,18,19,31,34,35,46, 47/02	74391	3	15/02
63070	3	20,27,28,29/02	71272	10	23,30,34/02	74006	2	26,31/02	74392	7	16,22,25,39/02
63080	5	26,27,28,31,48/02	71273	2	14/02	74007	1	36/02	74393	9	12,16,18,19,25,28,31,38, 41/02
63090	8	25,31/02	71275	3	13,23,35/02	74008	6	9,15/02	74394	2	3,12,18,19,28,31,41, 49/02
63091	4	26,27,32,39,48/02	71285	3	2,7,23,25,30,34/02	74009	10	3,9,20,22,25,38,49/02	74410	3	16,20,25,38/02
63100	2	4,15,44/02	71295	2	25,26,30,34,39,40/02	74010	10	17,20,22,26,37,40,49/02	74415	1	39/02
63101	15	14,17,19/02	71305	2	9,14,31,34,36/02	74012	10	17,20,22,26,37,40,49/02	74420	3	45/02
63102	19	14,17,19,26/02	71313	2	14,27,31,34/02	74014	4	3,12,17,18,37,45/02	74430	2	49/02
63103	17	14,17,26,29/02	71320	1	35/02	74018	6	44/02	74440	3	32,39/02
63110	4	40/02	71320	13	35/02	74020	4	16,17,33,37,38,43/02	74450	3	21,22,26,49/02
63111	9	17,25,48/02	71330	15	35/02	74021	7	10,13,14,20,33,35,39, 44/02	74455	3	9,19,21,23,48/02
63120	2	44,48/02	71340	1	38,39/02	74024	7	31,44/02	74460	4	21,22,26,37,40,46,49/02
63121	5	48/02	71348	3	18,35/02	74027	9	43,44/02	74465	2	9/02
63150	1	14,15,25,31/02	71350	8	15,18,20/02	74030	6	10,28/02	74475	2	44/02
63201	9	40/02	71400	5	11/02	74042	1	6/02	74480	2	44/02
63210	3	45/02	71401	1	40,46/02	74053	2	10,28/02	74485	3	16,43/02
63220	5	26,45/02	71402	1	18,40,46/02	74054	2	28/02	74491	4	6/02
63230	6	17*,45/02	71420	1	38,39/02	74071	4	12/02	74492	7	6,16/02
63231	8	31,45/02	71430	2	18,41/02	74151	9	4,10,20,24,27,36,44/02	74493	3	6,16,38,43,45/02
63232	3	45/02	71440	1	7,24,34,38,49/02	74152	11	14,36,44/02	74494	2	41/02
63233	15	31/02	71450	1	22,25/02	74153	2	4,14,36,44/02	74510	2	14,16,17,33,35,37/02
63250	6	14*,29,40/02	71460	1	15,20,25,41/02	74162	4	10,36,46,47/02	74515	4	10,13,14,20,28,33,35, 39/02
63271	8	19/02	71465	1	20/02	74171	4	33,36,47/02	74545	3	28,40/02
63290	7	19,31,32,38/02	71470	2	15,38/02	74172	5	2,36,47/02	74545	3	28,40/02
63291	9	19,33/02	72000	8	4,31,32,35,47/02	74181	8	2,11,13,23,28,33,35,37, 38,39,47/02	74517	3	10,13,18,20,21,39,41/02
63320	8	30/02	72007	10	6,30,36,38,47/02	74182	12	3,5,11,13,23,24,25,26,28, 33,35,37,38,39,41,42, 44/02	74521	3	28,41/02
63321	6	30,42/02	72014	10	12,46/02	74183	11	11,38,39,42/02	74527	2	28/02
63322	2	30/02	72021	8	31,36,38,47/02	74186	7	11,18,34/02	74530	2	28,44/02
63324	1	6/02	72028	7	4,15,31,34/02	74190	7	2,13,22,23,26,35,36,37, 46/02	74535	2	31,42,44,48/02
63330	9	27,39/02	72035	8	16,31/02	74191	2	19,22,24,26,35,46,48/02	74545	3	28,40/02
63337	15	27,31,39/02	72040	3	11/02	74192	3	5,24,26,28,35,46/02	74555	3	10,34,43,44,48/02
63400	1	39/02	72045	2	16/02	74200	8	5,14,18,21,27,28,37, 46/02	74560	10	14,23,28,32,40,43,46, 48/02
63410	6	39/02	72060	8	32/02	74201	9	27/02	74581	9	9,13,20,26,32,34,36,40, 41,43,45/02
63413	5	39/02	72070	4	8,11,32/02	74202	3	14,16,21,24/02	74582	9	3,9,13,18,26,28,40/02
63417	2	39/02	72075	2	8,20/02	74204	5	13,14,21,24,27,37/02	74583	15	26,32,34,40,43,44,48/02
63420	2	39,45/02	72080	7	8,20/02	74205	2	16,24,25/02	74590	2	10,28/02
63424	2	45/02	72085	2	6,8,30,47/02	74206	2	8,24,34/02	74591	7	10,40/02
71005	1	7,9,34/02	72109	9	12,15/02	74207	7	12,15,27,29/02	74595	2	28/02
71006	5	8,39/02	72110	9	12,15/02	74208	7	12,25/02	75000	6	47/02
71009	3	9,39,46,48/02	72130	4	13,46/02	74210	7	12,25/02	75001	3	9,23,47/02
71012	3	19,33,39,46/02	72131	3	13/02	74220	8	6,11,13,17,23,25,26,35, 47/02	75010	7	16,18,41,42/02
71018	10	2,5,9,10,15,33,35,37/02	72161	10	15/02	74221	2	11,13,35/02	75025	9	14,22,23,36,39/02
71027	9	7,15,19,20,22,24,25,34, 38,45,49/02	72173	2	12,15/02	74229	2	5,6,11,17,22,23,33,37,43, 47/02	75035	18	10,21,24,36,39/02
71033	31	7,15,23,37,38,49/02	72181	2	36/02	74230	7	11,13,28,39,42/02	75051	6	13,16/02
71036	8	9,11,35,44/02	72190	2	6,30/02	74231	7	5,6,19,23,35/02	75052	2	13,16/02
71040	5	27,34,42/02	72201	6	43/02	74232	9	2,9,15/02	75130	16	7,16,18,21,27,31,34, 41/02
71042	1	34/02	72231	8	31/02	74234	1	2/02	75131	7	18,20,28/02
71043	2	25/02*	73000	9	26,40/02	74240	8	4,9,15,34,39,42/02	75132	11	31/02
71044	1	27/02	73002	4	4,6,8,18,24,30/02	74241	8	4,9,15,34,39,42/02	75134	3	7,23,27,33/02
71058	2	23,36/02	73004	4	4,26/02	74251	8	4,15,17,23,25,26,31,32,	75142	5	4,8,15,21,28,36,42/02
71059	1	23,36/02	73006	2	26/02	74252	9	34,37,42,44,46/02	75143	4	4,12,15,20,28,32,33,36, 38,42/02
71061	15	23,36/02	73008	8	8,16/02						

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 49/02

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.
75144	3	20,31,33,36,42/02	82694	6	38/02	93049	1	45/02	94423	12	19,45/02
75150	5	13,16/02	82697	6	38,46/02	93061	4	45/02	94427	2	N32/02
75160	6	6,22,23,24/02	83020	8	7/02	93101	2	N24,N34,N38/02	94440	2	46/02
75170	12	38,39/02	83021	1	25,27,43/02	93110	2	22,24,38,40,41/02	95016	8	9,12,40/02
75171	22	5,8,10,12,14,17,18,22,27, 31,32,33,36,38,40,42, 48/02	83023	4	25,27,43/02	93113	2	19/02	95040	8	4,40/02
75172	5	39/02	83032	1	18/02	93115	2	40,41/02	95060	13	4,10,14,15,16,40,43,44, 47,48/02
75173	9	8,10,12,14,17,20,25,31, 32,33,36/02	83039	11	9,12,41/02	93160	4	15*,27,34/02	95065	5	4,14,48/02
75175	9	5,16,18,31,33,38,40, 45/02	83253	2	18/02	93180	7	27,34/02	95066	11	4,10,13,14,15,16,18,19, 20,41,43,44,47,48,49/02
75176	9	5,7,14,17,27,42/02	83382	9	20,25,27/02	93200	4	9,26,27/02	95067	13	18,41,44,46/02
75177	7	5,12,18,27,38,48/02	83383	2	20,25,27/02	93220	6	17,27,34/02	95068	1	41,42,45,47/02
75180	2	3/02	83385	19	20,27/02	93240	11	17,34/02	95080	13	8,10,13,16,18,25,27,30, 33,40,44,45/02
75185	2	22,47/02	83392	5	31/02	93243	6	42/02	95082	9	10,13,19,21,25,27,30,33, 44,46/02
75190	2	11,23,47/02	83393	2	N31/02	93247	4	26/02	95083	8	21,25,33/02
75191	6	3,22,25,37,38,43,47/02	83397	6	8,18/02	93260	8	27,31/02	95084	7	15,16,18/02
75193	6	22,49/02	83425	6	3,20,35/02	93261	5	31/02	95085	4	15,45/02
75207	2	36/02	83500	1	9,12/02	93360	5	38/02	95086	5	15,45/02
75208	2	14,26/02	83560	3	9/02	93385	6	6,18/02	95087	3	4,19,21,25,33,40,48/02
75213	2	36/02	83570	2	5,24/02	93404	6	6/02	95100	12	7,8,9,10,13,14,15,16,18, 38,39,43,44,45,46,47/02
75215	2	36,39,40/02	83572	1	24/02	93420	4	18/02	95101	8	8,13,14,15,39,44/02
75220	12	10,14,36,39,49/02	83574	2	5/02	93440	4	18/02	95102	8	8,10,13,38,42,45,46,47, 48/02
75222	8	18,22,35,40/02	83580	2	12,24/02	93460	7	6/02	95103	8	8,13,42,43,45,47/02
75240	4	14,36,39/02	91005	6	7,10,11,45/02	93520	13	45/02	95120	7	6,13,17,20,21,42,43/02
75241	6	34,36/02	91008	1	12,29,44,48/02	93610	3	44,45/02	95138	8	45,46,48,49/02
75251	5	23,33,48/02	91010	6	29,48/02	93650	2	19,44/02	95140	15	7,8,10,14,15,18,22,38,40, 41,44,48,49/02
75261	6	13,17,21,23,24,33,36, 48/02	91020	5	10,19,21,22/02	93680	3	45,47/02	95141	8	7,14,45,47/02
75262	6	12,38/02	91025	8	7,10,21,22/02	93690	2	44/02	95142	9	15*,18,19/02
75263	9	17,32/02	91030	3	7,10,11,21/02	93710	3	14,26/02	95143	11	4,15,18,40,45,47,48, 49/02
75264	17	16,17,19,33,34,37,41,42, 44,45/02	91040	1	10,11/02	93720	10	39,45/02	95144	9	8,10,19,38,41,46,48/02
75265	2	13,17,20,21,24/02	91040	4	11,21/02	93721	5	5,8,9,20,22,26,32,39,42, 45/02	95146	14	7,10,19,36,38,39,40,41, 44,46,47,48/02
76015	1	3,4,18,23,24,29,35,40/02	91280	7	19,22/02	93730	3	6,21,39,40,42,45,47/02	95147	13	7,39,41,44,45,46,47,48, 49/02
76020	7	8,18/02	91286	10	13,20/02	93733	13	5,6,17,21,22,26,32,39, 45/02	95149	9	15,18,22,34,36,37,38,41, 43,48,49/02
76030	9	9,12,24,49/02	91289	19	13,19,20/02	93734	11	6,17,22,26,32,45/02	95151	17	13,15,18,34,36,37,38,40, 47/02
76041	2	2/02	91294	8	10,14/02	93736	22	5,6,8,11,16,22,26,32, 41/02	95152	5	37,38/02
76050	8	24,49/02	91297	9	10,14/02	93778	8	14,47/02	95153	2	15,22,34,36,37,38,43/02
76052	8	8,12,15,21/02	91300	3	10,21,22/02	94004	6	12,24,19,29,30,33,37,	95156	13	4,7,8,9,15,27,41,42,47/02
76054	5	9,49/02	91309	4	13/02	94016	2	12,23,33,35/02	95161	16	4,27,31,40,45,48/02
76060	7	40/02	91331	3	10,21/02	94028	7	7,8,9,13,14,23,25,40, 42/02	95162	2	20,40,44,47/02
76061	3	40/02	91340	3	11,19,21/02	94040	13	30,37,47/02	95163	2	27/02
76070	9	4,9,12,23,35/02	91360	2	11/02	94042	9	47/02	95164	4	43,48/02
76071	9	4,23,35/02	91400	2	10/02	94060	10	2,5,27,29,30,33,37,46, 47/02	95167	10	44/02
76080	8	3/02	91407	2	10/02	94061	5	2,5,19,33,35,47/02	95169	2	4,44/02
76081	7	9,12/02	92006	5	45,46/02	94063	4	29,33,41/02	95173	1	15,16,17/02
76090	6	2,9/02	92010	3	19/02	94067	10	33/02	95174	1	17/02
76110	5	23/02	92020	2	19/02	94082	8	5,13,14,25,27,30,44/02	95176	2	16,20,31/02
76120	6	6,22,23,25/02	92025	3	10,11,13,21/02	94083	12	5,13,17,25,44/02	95177	1	18,41/02
76121	8	4,9/02	92030	4	7,10,11,19,21/02	94084	1	5,6,13,23,25/02	95180	11	9,15,17,18,27,40,42,44, 49/02
76140	7	2,46/02	92033	5	45/02	94120	6	12,19,21,33,38,48/02	95185	2	20,31,40,44,49/02
76141	8	4,14,19,46/02	92060	3	21/02	94122	7	19,30,40/02	95250	4	12,44/02
76142	1	46/02	92061	3	21/02	94123	9	12,21,33,38,42,44/02	95255	2	44/02
76146	1	2,8/02	92110	3	13/02	94124	13	38,42,44/02	95261	7	48/02
76147	1	2/02	92115	1	13,15/02	94127	2	21,33,38/02	95262	13	41,46/02
76150	6	35/02	92120	3	5/02	94160	7	2,26,27,33,38,44,46, 47/02	95264	8	6,48/02
76151	7	5,22/02	92200	3	10,19/02	94164	2	2,26,27,46/02	95267	5	11,17/02
76161	10	9,40/02	92210	3	18*,19/02	94165	4	14,20,26/02	95268	16	39,48/02
76170	7	29/02	92214	4	3,19/02	94180	9	26,32,42,44,47/02	95270	4	8,48/02
76171	10	9/02	92216	3	23/02*	94187	3	32/02	95271	4	44,48/02
76180	1	2,4,6,18,22,23/02	92242	2	3/02	94188	2	44,46,47/02	95273	2	48/02
81002	6	18/02	92290	2	7,11/02	94203	10	22,26,41,42,44,46,47/02	95274	3	48/02
81023	5	18/02	92293	2	7,11/02	94206	3	22,26,41,42,44,47/02	95276	3	21/02*
81048	8	14/02	92310	4	5,11,13/02	94207	5	N26,N42,N44,N47/02	95280	9	2,17,48/02
81054	12	14,29/02	92320	4	7,10/02	94208	6	N44/02	95282	7	46/02
81063	5	2/02	92380	3	7,10,11/02	94216	6	27,45/02	95300	5	2,16,45,48/02
81092	3	38/02*	92385	4	7,10/02	94217	4	30/02	95320	15	8,35,38/02
81711	6	23/02	92410	3	10,11,14/02	94218	3	30,36/02	95341	8	8,10,11,18,19,42,47/02
81715	4	23/02	92420	4	11/02	94220	4	22,26,41,42,44,46,47,49/02	95342	16	30/02
82015	13	22/02	92450	3	7,21/02	94260	5	49/02	96000	5	6,8/02
82020	7	22/02	92460	1	11/02	94282	9	46/02	96004	14	16,17,44,45/02
82030	8	12,18/02	92470	3	19,21/02	94283	7	46/02	96012	16	7,8,11/02
82210	2	42,48/02	92560	4	45/02	94360	6	18,32,43/02	96016	7	11,12/02
82242	1	35,48/02	93006	2	21,39,45/02	94361	13	18,32/02	96020	4	6,7,41/02
82244	5	35,42,48/02	93010	6	15,17,22,27,38,40,41/02	94363	4	32,43/02	96024	3	6,7,8/02
82253	7	35,48/02	93018	8	9,27/02	94367	3	5,39/02	96028	5	6,7,8/02
82374	9	22/02	93020	2	15,24,38/02	94420	4	22,26,41,42,44,47,49/02	96032	3	38/02
82377	2	22/02	93022	4	6,18/02	94426	5	49/02	96039	7	16,17,30/02
82580	2	19/02	93025	5	45/02	94428	9	46/02			
82646	2	19,33/02	93030	6	6,18,45/02	944283	7	46/02			
82649	5	3,18,20,33/02	93032	3	45/02	94430	6	18,32,43/02			
82683	4	6,18,33/02	93043	1	45/02	94431	13	18,32/02			
82684	3	3,12,18,33,38/02	93046	1	9,45/02	94436	4	32,43/02			
82689	3	5,6,18,38/02	93047	2	45,49/02	94420	3	5,39/02			
82690	10	6,18,19,20/02	93048	1	35,49/02	94421	10	15,45/02			

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 49/02

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.
96041	11	16,17,30/02	97166	1	33/02	97400	3	25,26/02
96042	11	16/02	97167	2	23,33/02	97410	8	11,21/02
96043	8	16/02	97180	6	8,9,11,22,31,34,39,43,45, 46,48/02	97412	7	40/02
96044	10	8,29,30/02	97181	20	8,9,11,18,22,25,31,34,46, 48/02	97420	17	8,9,21,34,39,42,47/02
96120	6	30/02	97182	13	11,18,21,23,31,34,39,46, 48/02	97421	13	20,35,36/02
96130	2	9/02	97183	9	25,44/02	97423	2	20,35,36/02
96140	5	30/02	97184	15	25,28,47/02	97425	6	10,34,39,47/02
96141	4	9/02	97185	2	43/02	97440	8	20,23,27/02
96181	5	9/02	97187	3	44,48/02	97441	5	20,46/02
96200	5	8,9/02	97189	2	25,28,44/02	97460	7	40/02
96240	4	8,11/02	97190	2	8,9,22,34,39/02	97461	9	4,5,21/02
96300	4	11,12/02	97200	9	11/02	97465	9	5,21/02
96320	4	12/02	97202	15	43,44/02	97466	2	5,25,46/02
96340	4	12/02	97204	9	2,10,28,29,45/02	97469	10	7,26/02
96360	4	12/02	97206	2	10,12/02	97471	5	N7,N31/02
96441	1	41/02	97207	3	11/02	97472	8	6,7,34/02
96480	3	6,7,8,41/02	97218	3	10,21,41/02	97473	7	5/02
96500	6	6,8,41/02	97219	4	10,12,21,25,31/02	97474	7	21/02
96521	3	N19/02*	97220	3	2,7,8,21,24,31,37,39,42, 43,44/02	97480	7	12,21,35/02
96640	5	6/02	97221	20	2,7,8,10,11,21,24,31,37, 39,42,44,45,49/02	97481	6	10,47,49/02
96645	1	26/02	97222	12	11,25,28,47/02	97483	7	48/02
96760	4	5,7,29,35,45/02	97223	3	8,42,44,48/02	97521	6	19,42/02
96762	3	29/02	97224	6	11,18,25,27,46,47,49/02	800669	8	N20/02
96763	7	29,43,48/02	97225	31	2,7,8,11,21,24,37,39,42, 44,45/02	800744	1	N22,N49/02
96764	2	5,19/02	97226	7	17/02	801217	1	N5,N6,N7,N21/02
96780	4	4,11/02	97227	11	21,24,42,43/02	801885	3	N28/02
96800	4	19*,41/02	97228	15	2,21,28,30,39,40,42, 43/02	801959	2	N10/02
96820	4	6/02	97229	12	2,7,8,18,24,27,31,36,39, 47/02	802202	8	N14,N23,N31,N35/02
96840	3	6,19/02	97230	18	2,29,36/02	802260	5	N20/02
96860	3	6/02	97231	11	10,21,41/02	803404	2	N26/02
96880	6	6,7,8/02	97232	8	4,15,20,25/02	804037	1	N28/02
96881	2	7/02	97233	11	31,33,43,44,49/02	804059	2	N20/02
96882	4	7,8/02	97234	17	29,43,47,49/02	804567	4	N17/02
96883	9	7/02	97235	20	31,47/02	805647	2	N37/02
96900	4	5,7/02	97236	10	31,33/02	807861	2	N27/02
96901	3	5,7,19,27/02	97237	8	21,28,29,31,33,48/02	808528	1	N25/02
96902	2	5,7,45/02	97238	11	7,17,28,36/02	809310	9	N13,N18,N39/02
96904	2	5,27,41/02	97239	11	7,17,28,36/02	809679	2	N25/02
96906	2	27/02	97240	7	43/02			
96910	1	6,7,8/02	97241	15	10,17,18,41/02			
96937	2	40/02	97242	10	21,29,34/02			
96938	4	9/02	97243	8	21,28,29,31,33,48/02			
96941	8	47/02	97244	11	17,17,28,36/02			
96943	15	44/02	97245	7	43/02			
96944	6	45/02	97246	15	10,17,25,29,37,39/02			
96945	3	43/02	97247	12	17,18,25,29,37,39/02			
96949	21	45/02	97248	11	39/02			
96960	3	9/02	97249	2	41/02			
96962	4	19,30,35/02	97250	3	45/02			
97021	7	2,16/02	97251	9	21,39,44,45/02			
97026	10	23/02	97252	10	27,29,40/02			
97029	3	19/02	97253	11	10,17,27/02			
97040	5	43,47/02	97254	12	10,17,25,29,37,39/02			
97041	9	45,47/02	97255	11	19/02			
97043	2	17,23/02	97256	10	19,27,34,42,45,49/02			
97060	8	9,46/02	97257	19	19,27,31,34,39,45/02			
97062	12	8,9,27,44/02	97258	1	27,29,40/02			
97064	2	8,9/02	97259	11	10,17,27/02			
97080	5	9/02	97260	12	10,17,25,29,37,39/02			
97082	5	24,46/02	97261	11	19/02			
97083	3	9,24/02	97262	10	19,27,34,42,45,49/02			
97100	4	20,28,42,47/02	97263	19	19,27,31,34,39,45/02			
97101	1	28/02	97264	7	21,39,44,45/02			
97104	4	8,10,20/02	97265	6	10,11,21,23,25,27,31,34, 35,36,41,42/02			
97105	3	8,10,20/02	97266	5	11,34/02			
97120	6	2,15,22,28,31,37,40,42, 43/02	97267	6	12/02			
97140	17	2,10,15,22,33,37,39,43, 45/02	97268	3	18,25,47,48/02			
97141	5	13*,19,21,40,46/02	97269	6	33/02			
97143	11	2,21,31,43,45/02	97270	8	27,33,38/02			
97144	14	44*,46/02	97271	9	2,27,34/02			
97145	1	2,15,22,43/02	97272	14	27,38/02			
97146	10	44/02*	97273	12	27,38/02			
97148	9	21*,23,45/02	97274	6	20,23,27,38/02			
97149	20	25,34,35,44,45/02	97275	7	21,39,44,45/02			
97150	13	34,39,43,44/02	97276	7	27/02			
97151	16	31,35,44,45/02	97277	2	41,45/02			
97152	8	37/02	97278	16	31/02			
97153	7	31/02	97279	4	47/02			
97154	2	36/02	97280	10	31/02			
97155	14	2,20,31,35,36,37,39,40, 48/02	97281	1	39/02			
97156	6	2,21,37/02	97282	9	21/02			
97157	1	35,37/02	97283	10	31/02			
97159	6	33,39/02	97284	7	3,8,18,25,39,49/02			
97163	14	23/02	97285	3	21,25,49/02			

SECTION II**NM 49/02****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				
18BHA18581 (7642014011582)	REGION 1 Yaquina Bay and River Continuation of Yaquina River (New edition due to numerous Notice to Mariners corrections)	10,000 25,000	<u>17</u>	<u>9/02</u>	NOS	1-96	49/02	
NOSPBCP4 (7642014008449)	MISCELLANEOUS CHARTS AND PUBLICATIONS <u>No. 4 Cape Henry to Key West, 2002</u>				NOS	10-28	49/02	
NVPUB109 (7642014008466)	<u>Atlas of Pilot Charts-Indian Ocean, 2001</u>				GPO	10-24	49/02	

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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SECTION II

NM 49/02

NAVIGATION PUBLICATIONS

SAILING DIRECTIONS CORRECTIONS

PUB 127 6 Ed 2000 LAST NM 47/02

Page 187—Lines 28 to 29/R; read:

An automatic telemetric tide gauge has been established at Booby Island. Automatic tide gauges broadcast on VHF channel 68. Tidal heights are also available from a telephone answering service (07) 4069 2821.

(Wollongong 19(592)02) 49/02

Page 194—Lines 23 to 26/R; read:

Goods Island (10°34'S., 142°09'E.) lies 0.6 mile W of Hammond Island. Tessy Head, the NE extremity of the island, rises to Hester Hill, 67m high, close SE. The NW side of Goods Island is fringed by a steep-to coral reef. A transmitting tide gauge has been established on Goods Island. Tide gauges transmit on VHF channel 68. Tidal heights are also available from a telephone answering service (07) 4069 2821.

(Wollongong 19(592)02) 49/02

PUB 160 2 Ed 2002 LAST NM 48/02

Page 46—Line 5/L; read:

(+2)) is maintained from the beginning of November through the

(BA NM 44/02, Section VI) 49/02

Page 46—Line 13/L; read:

(+3)) is maintained from the beginning of November through the

(BA NM 44/02, Section VI) 49/02

Page 110—Line 11/R; insert after:

It is also recommended that vessels should use VHF channels 11, 14, and 67, where possible, when communicating with the pilot and port stations.

(BA NP 286(3)) 49/02

Page 141—Lines 19 to 22/L; read:

anchorage or fairway lighted buoy 7 days, 72 hours, 48 hours, and 24 hours in advance. If the vessel is leaving the previous port less than 7 days prior to arrival at the terminal, the ETA should also be sent upon departure from the previous port.

(BA NP 286(3)) 49/02

PUB 175 7 Ed 2001 LAST NM 41/02

Page 90—Lines 54 to 60/L; read:

Pilotage.—Pilot boarding areas are located close E of Lighted Buoy C1 and about 5.8 miles ENE of the seaward end of the ore jetty. Pilotage is optional for inbound vessels between Lighted Buoy C1 and the boarding area ENE of the oil jetty; between this position and the berths, pilotage is compulsory. Pilotage is compulsory for all vessels within

the port area and for outbound vessels within the dredged channel. Pilotage is also compulsory for deep draft vessels needing to transit the Outer North Channel.

(BA NM 37/02, Section VI)

49/02

Page 127—Lines 15 to 16/L; read:

Regulations

All vessels bound inwards to Fremantle are to report to Port of Fremantle when crossing the reporting line.

The reporting line is drawn as a sector of an arc, extending between the coast N of Burns Rocks WSW to a position due W of Rottnest Island, with a radius of 15 miles centered on Fairway Landfall Lighted Buoy.

Vessels are required to report their confirmation of pilot requirements at either the Outer or Inner Pilot Boarding Place.

Vessels proceeding to the Inner Pilot Boarding Place or to anchorage in Gage Roads are required to indicate their intentions to use either East or West Channel.

The port of Fremantle is able to provide VTS information relating to shipping movements.

A vessel carrying explosives or other dangerous cargo shall

(Wollongong 19(603)02)

49/02

PUB 195 7 Ed 2002 LAST NM 40/02

Page 18—Line 3/R; read:

Hanko-Turku region. All ordering of pilots must be carried out through Helsinki VTS (see paragraph 2.9).

(BA NP 286)

49/02

Page 21—Lines 2 to 19/R; read:

Helsinki VTS controls pilotage for the Hanko, Helsinki, Emasalo, and Porkkala regions. Pilotage is compulsory for vessels over 60m in length, vessels over 10m beam, or vessels with a summer load salt water draft exceeding 4.5m.

Pilotage is also compulsory for vessels transporting bulk hazardous cargo and vessels belonging to a foreign government that are not being used in commercial operations.

Requests for pilotage and an ETA should be forwarded to Helsinki VTS 24 hours in advance. Vessels should then give a confirmation, on VHF channel 13 or by telephone, 6 hours and 3 hours prior to arrival at the boarding place.

Pilots board vessels, as follows:

1. For Helsinki, Kalkkiranta, and the rest of the Harmaja region—about 2 miles S or 6 miles SSW of Harmaja Light (60°06.3'N., 24°58.7'E.).

2. For Inkoo, Kantvik, and the Porkkala region—in an area lying 2.5 miles SW of Sommaro (59°55.5'N., 24°15.5'E.).

3. For Porvoo, Tolkkinen, Kalkkiranta, and the Emasalo region—about 2 miles WNW of Kalbadagrund Light (59°59'N., 25°36'E.).

4. For Hanko—about 1.5 miles ENE of Russaro (59°46'N., 22°57'E.) or 4 miles WSW of Ajax Light

SECTION II

NM 49/02

PUB 195 (Continued)

(59°44'N., 23°13'E.). (During bad weather—in Hanko roads). (BA NP 286)	49/02	through ... (BP 177794)	49/02
Page 21—Line 34/R; read: consists of the following three sectors: (BA NP 286)	49/02	Page 132—Paragraph 39, lines 4 to 5; read: water and therefore are not charted. In April 2002, the controlling depth was 5.6 feet in the entrance ... (BP 177793)	49/02
Page 21—Lines 50 to 55/R; read: 25°40'E, continuing N. 3. Sector 3 is bound, as follows: a. West limit—A line extending N to the coast from position 59°39.0'N, 22°50.4'E. b. South limit—Inkoo 2 Light (59°53'N, 24°11'E.) to Hanko (59°39'N., 23°11'E.) and then W to position 59°39.0'N, 22°50.4'E. c. East limit—West limit of Sector 2. All vessels more than 12m in length should maintain a continuous listening watch on VHF channel 71, 9, or 67 when within the respective sectors of the system. All vessels more than 20m in length should report on VHF channel 71 (Sector 1), VHF channel 9 (Sector 2), or VHF channel 67 (Sector 3) when (BA NP 286)	49/02	Page 140—Paragraph 27, line 3; read: In May 2002, the controlling depth was 9.0 feet in the inlet ... (BP 177794)	49/02
Page 23—Line 2/L; read: 5. Merholm Light. The following are the mandatory reporting points for Sector 3: 1. Hanko—59°39'N, 23°11'E. 2. Flackgrund—59°52.1'N, 22°49.7'E. Vessels proceeding E via Flackgrund should report to Helsinki VTS, on VHF channel 67, 20 minutes before passing Flackgrund (59°52.4'N., 22°50.4'E.). Vessels proceeding W for the open sea are not required to report when passing Hanko. (BA NP 286)	49/02	Page 184—Paragraph 62, lines 2 to 3; read: railroad terminal, 1.2 miles south of the jetties. In 1998-March 2002, the controlling depth was 19.4 feet in the channel, thence 20 feet in the basin, except for minor shoaling to 18.8 feet along the south edge. (BPs 178088-89; BPs 178095-101)	49/02
Page 190—Paragraph 192, lines 8 to 9; read: docking area at the terminal. In November-December 2001, the controlling depth to and in the docking area was 38.5 feet. The facilities of the Portsmouth ... (BP 178756)	49/02	Page 200—Paragraph 41, lines 6 to 8; read: above the entrance light. In November 2000, the channel marked by a light, buoys and daybeacons, had a controlling depth of 4.8 feet to the Coast Guard Basin, thence 5 feet in the northern half and 2.6 to 5 feet in the southern half of the basin, except for shoaling to 1.5 feet along the western edge. In January 2001, it was reported that the channel to the Coast Guard basin had a controlling depth of 3.4 feet at or near the centerline. Local knowledge ... (BP 177899; CL 1043/02; CL 598/01)	49/02
Page 200—Paragraph 50, line 3; read: depths of about 36 to 39 feet at their outer ends. A prohib	49/02		

COAST PILOT CORRECTIONS

COAST PILOT 1 **32 Ed 2001** **Change No. 19**
LAST NM 45/02

Page 151—Paragraph 363, lines 6 to 9; read:
above. In May 2001-May 2002, the controlling depths were
2.4 feet (3.4 feet at midchannel) in the dredged entrance
channel to abeam of Horton Rocks, about 1 mile above the
entrance on the west side of the channel, thence 6 feet in
midriver for about 1.6 miles, and thence 1.1 feet (3.2 feet at
midchannel) in the upper dredged section for about 0.8 ...
(CL 1239/02: BPs 178126-32) 49/02

COAST PILOT 3 35 Ed 2002 Change No. 19
LAST NM 45/02

Page 128—Paragraph 32, lines 2 to 3; read:
Inlet and extends about 5 miles up **Manasquan River**. In May 2002, the controlling depth was 9.0 feet in the inlet.

Red area and ... (CL 1081/02; BPs 177938-40)	49/02
Page 200—Paragraph 51, line 4; read: and 20 feet alongside the inside face and 23 feet alongside the ... (CL 1081/02; BPs 177941-42)	49/02

Page 202—Paragraph 84, lines 4 to 10; read:
public landing 1.5 miles above the entrance. In May-June 2002, the controlling depths were 5.6 feet in the northeast half of the channel and 5.1 feet in the southwest half of the channel, except for less than 1 foot just above Light 3 on the southwest side, thence 5 to 7 feet in the turning basin. Commerce in the harbor consists mainly of fish and shellfish.

Page 236—Paragraph 29, lines 4 to 5; read:
mouth of the creek. In September 2001, the controlling depth
was 2.6 feet across the bar channel at buoys 4 and 5; deeper

COAST PILOT 3 (Continued)

waters are available elsewhere in the bar channel. Depths of about 4 feet can be carried ...

(BP 177800) 49/02

COAST PILOT 3 35 Ed 2002 Change No. 20

Page 261—Paragraph 120; read:

The **Baltimore Maritime Exchange**, located at the Maritime Center, provides to its members information concerning ship movements, local harbor conditions, weather data, and various other services; the Exchange operates on VHF-FM channel 11 from 0400 to 1900, call sign WHX 654. Members are requested to contact the Association of Maryland Pilots on VHF-FM channel 11 at other than previously mentioned times; call sign KMC 290.

(CL 2000/02) 49/02

COAST PILOT 4 34 Ed 2002 NEW EDITION
(NOS) 49/02

**COAST PILOT 5 29 Ed 2002 Change No. 33
LAST NM 47/02**

Page 396—Paragraph 381, line 12; read:

the NW. (See chapter 10.) An alternate route for vessels transiting between the Intracoastal Waterway and the Houston Ship Channel is marked from Bolivar Peninsula Buoy 20 to Houston Ship Channel Light 28. The direction of traffic movement is not regulated. However, in order to reduce congestion, Houston Traffic requests that this route be used for northbound-only traffic. Southbound traffic is requested to proceed south to Houston Ship Channel Lighted Buoy 26, and then turn east to Bolivar Point. Houston Traffic also requests that all vessels proceeding northbound in the alternate route conduct a securite broadcast of their intentions prior to entering into the Houston Ship Channel. The channel to Texas City is crossed at ...

(CL 2004/02; CL 1999/02; NOS 11326; LL/02) 49/02

**COAST PILOT 6 32 Ed 2002 Change No. 0
LAST NM 19/02**

Page 282—Paragraph 466, line 8 to Paragraph 467; read:
harbor basin, thence a dredged channel continues through the basin to the mouth of the Calumet River. The approach

channel is marked by lighted buoys and the SW limit of the outer harbor basin is marked by buoys. A Federal project provides for a depth of 29 feet in the approach channel and 28 feet in the channel through the outer harbor basin. (See Notice to Mariners and latest editions of charts for controlling depths.)

(NOS 14926; NOS 14929; CEM-Chicago/84) 49/02

Page 282—Paragraph 470, line 3 to Paragraph 472; read:
marked by a light.

A dredged channel leads from the W end of the outer harbor basin, between piers at the mouth of the Calumet River and upstream to Turning Basin No. 5, 6.06 miles above the mouth. Turning Basin Nos. 1 and 3 are on the E side of the channel 0.9 and 4.63 miles above the mouth of the river, respectively. The outer ends of the piers are marked by lights. A Federal project provides for a depth of 27 feet in the dredged channel from the mouth of the river to Turning Basin No. 5. (See Notice to Mariners and latest editions of charts for controlling depths.) In October 2001, the controlling depths were 24 feet in Turning Basin No. 1, 26 in Turning Basin No. 3, and 25 feet in Turning Basin No. 5. Several large pieces of concrete have fallen into water along the S edge of Turning Basin No. 3 and pose a potential danger to navigation.

(LL/02; NOS 14926;
NOS 14929; CEM-Chicago/84) 49/02

Page 283—Paragraph 477; read:

A dredged channel leads NW from Turning Basin No. 5 in Calumet River to Lake Calumet. A Federal project provides for a depth of 27 feet in the dredged channel. (See Notice to Mariners and latest editions of charts for controlling depths.)
(NOS 14926; NOS 14929; CEM-Chicago/84) 49/02

Page 376—Paragraph 411, lines 2 to 6; read:
a light, and a **028°** lighted range. Shoals are at the N end of the harbor and off the end of the breakwater on the S side of the harbor exit. All the aids in the harbor are private.

(40/01 CG9; LL/02) 49/02

SECTION II

NM 49/02

WORLD PORT INDEX CORRECTIONS

PUB 150

17 Ed 2000

LAST NM 46/02

EVEN PAGE CORRECTIONS

INDEX NUMBER	PORT	COUNTRY CODE		LATITUDE		LONGITUDE		PUBLICATION	CHART	HARBOR SIZE	HARBOR TYPE	SHELTER	TIDE	SWELL	ICE	OTHER	ENTRANCE RESTRICTIONS	OVERHEAD LIMITS	CHANNEL	ANCHORAGE	CARGO PIER	OIL TERMINAL	TIDE	MAX SIZE VESSEL	GOOD HOLDING GROUND	TURNING AREA	
*40245 MELILLI OIL TERMINAL		IT	3707N	01516E	131	53212	M	OR F	N N N Y N	A	A 01 L	Y	49/02														
40615 VASTO		IT	4207N	01443E	131	54100	S	CB F	N N N * * Y N * * M H M 01 M Y	*	*	*	49/02														

ODD PAGE CORRECTIONS

INDEX NUMBER	1ST PORT OF ENTRY U.S. REPRESENTATIVE ETA MESSAGE	COMPULSORY AVAILABLE LOCAL ASSIST ADVISABLE	TUGS SALVAGE TUGS ASSIST	PRATIQUE DERATT CERT OTHER	PILOTAGE QUARANTINE	TELEPHONE TELEGRAPH RADIO RADIO TEL AIR RAIL	COMMUNICATIONS	WHARVES ANCHOR MED MOOR BEACH MOOR ICE MOOR	LOAD OFFLOAD	MEDICAL FACILITIES GARBAGE DISPOSAL DEGAUSS	DIRTY BALLAST	FIXED MOBILE FLOATING	CRANES	100 TONS PLUS 50 - 100 TONS 25 - 49 TONS 0 - 24 TONS	LIFTS	LONGSHORE ELECT STEAM NAVIG EQUIP ELECT REPAIR	SERVICES	PROVISIONS WATER FUEL OIL DIESEL OIL DECK ENGINE	SUPPLIES	REPAIR DRYDOCK RAILWAY							
*40245	N Y Y Y	Y				Y Y Y	Y																			C	49/02
40615	Y Y Y * *	Y Y * *				Y Y Y Y Y * * * * *		Y N * *		Y		Y Y * *	Y													49/02	

ATLAS OF PILOT CHARTS CORRECTIONS

**PUB 109
(NIMA)**

4 Ed 2001

**NEW EDITION
49/02**

SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1475	Pomp Island Ledge Daybeacon 2	44 30 24 N 67 39 16 W				TR on spindle.	
		*					49/02
6575	Hen Island Ledge Daybeacon 6 On west part of ledge.	43 48 57 N 69 51 52 W				TR on pile.	
		*					49/02
7960	Stage Island Daybeacon	43 27 25 N 70 21 05 W				Conical stone tower.	
		*					49/02
8050	Cow Island Ledge Daybeacon 17	43 29 21 N 70 26 03 W				SG on spindle.	
		*					49/02
8945	- North Jetty Daybeacon 8 125 yards from channel line.	42 53 43 N 70 48 29 W				TR on spindle.	
		*					49/02
10152	Endeavors Rock Daybeacon	42 31 18 N 70 50 35 W				NR on spindle.	
		*					49/02
*10546	The Graves Light Station Mooring Buoy					White and blue nun.	
							49/02
*10736	Boston Pilots Mooring Buoy					White and blue nun.	
							49/02
13150	- East Jetty Daybeacon 3	41 45 32 N 70 09 19 W				SG on pile.	
		*					49/02
15827	<i>Uncatena Island Fish Weir Lighted Buoy</i>		Fl Y 4s			White.	Maintained from Mar. 1 to Nov. 1. Private aid.
		*					49/02
22140	STODDARDS OLD DOCK LIGHT 30		Fl R 4s	20	4	TR on skeleton tower on concrete base.	
		*					49/02
Yellow Mill Channel							
24665	- Junction Buoy YM	41 10 21 N 73 10 45 W				Green and red bands; can.	
		*					49/02

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

SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Black Rock Harbor							
24670	Black Rock Daybeacon At east end of Penfield Reef.	41 07 14 N 73 13 02 W				NW on piling worded DANGER ROCK.	
		*					49/02
24820	- Entrance Lighted Buoy 3	41 05 52 N 73 21 13 W	Fl G 4s		4	Green.	Replaced by can from Nov. 15 to May 1.
		*					49/02
Norwalk East Approach							
24915	- Buoy 2	41 04 25 N 73 20 44 W				Red nun.	
		*					49/02
24960	- Lighted Buoy 2	41 03 31 N 73 25 04 W	Fl R 2.5s		4	Red.	Replaced by nun when endangered by ice.
		*					49/02
25085	- Entrance Lighted Buoy 3	41 03 22 N 73 26 49 W	Fl G 4s		4	Green.	Replaced by can from Nov. 15 to May 1.
		*					49/02
Goodwives River Approach							
25100	- Lighted Buoy 1 Marks east side of shoal.	41 02 15 N 73 29 01 W	Fl G 4s		4	Green.	Replaced by can from Nov. 15 to May 1.
		*					49/02
Westcott Cove							
25135	- East Entrance Lighted Buoy 1 On east side of shoal.	41 01 40 N 73 30 36 W	Fl G 4s		4	Green.	Replaced by can from Nov. 15 to May 1.
		*					49/02
25155	- Lighted Buoy 4	41 01 55 N 73 30 56 W	Fl R 4s		3	Red.	Replaced by nun from Nov. 15 to May 1.
		*					49/02
25335	Hen and Chickens Buoy 1A	40 59 45 N 73 36 17 W				Green can.	
		*					49/02
25340	Newfoundland Reef Lighted Buoy 4 Marks southwest side of rock.	41 00 20 N 73 36 01 W	Fl R 4s		4	Red.	Replaced by nun from Nov. 15 to May 1.
		*					49/02
25360	Calf Island Buoy 1 On southeast side of reef.	40 59 12 N 73 38 12 W				Green can.	
		*					49/02

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Cos Cob Harbor							
25420	- Lighted Buoy 2 Northwest side of rock.	41 00 38 N 73 36 16 W	Fl R 4s		4	Red.	
*							
							49/02
Greenwich Harbor							
25480	- Channel Buoy 2	40 59 54 N 73 37 16 W				Red nun.	
*							
							49/02
Byram Harbor							
25515	- Entrance Buoy 1 On end of reef.	40 59 51 N 73 38 10 W				Green can.	
*							
							49/02
GREENWICH POINT TO NEW ROCHELLE (Chart 12367)							
Port Chester Harbor							
25535	Great Captain Rocks Lighted Buoy 2 On south side of reef.	40 58 57 N 73 39 04 W	Fl R 4s		3	Red.	
*							
							49/02
25545	PORT CHESTER LIGHT 4	40 59 04 N 73 39 23 W	Fl R 2.5s		28	5 TR on skeleton tower.	
*							
							49/02
26135	PORT JEFFERSON EAST BREAKWATER LIGHT	40 58 20 N 73 05 30 W	Fl W 4s		35	7 NG on skeleton tower.	
*							
							49/02
26535	- Entrance Lighted Buoy 1	40 54 37 N 73 25 46 W	Fl G 4s		4	Green.	Replaced by can from Nov. 15 to May 1.
*							
							49/02
Northport Bay							
26680	- Entrance Lighted Buoy 1	40 54 52 N 73 24 21 W	Fl G 4s		4	Green.	Replaced by can from Nov. 15 to May 1.
*							
							49/02
26705	- Lighted Buoy 8	40 55 00 N 73 22 32 W	Fl R 4s		4	Red.	Replaced by nun from Nov. 15 to May 1.
*							
							49/02
26885	- Lighted Buoy 5 On northwest end of Cove Point Shoal.	40 53 51 N 73 30 35 W	Fl G 4s		4	Green.	Replaced by can from Nov. 15 to May 1.
*							
							49/02
34585	- Shoal Daybeacon	40 37 42 N 73 48 34 W				NW on pile worded DANGER SHOAL.	
*							
							49/02

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
345	Cape Charles Lighted Bell Buoy 14	37 07 24 N 75 40 59 W	Fl R 2.5s		4	Red.	
				*			49/02
380	Middle Ground South End Lighted Bell Buoy 4A	37 00 23 N 75 55 44 W	Fl R 4s		4	Red.	
				*			49/02
940	- Bouy 5A					Remove from list.	
						*	49/02
Townsends Inlet							
Positions of buoys frequently shifted with changing conditions.							
1405	- Lighted Buoy 2		Fl R 2.5s		3	Red.	Replaced by nun from Nov. 15 to May 1.
				*			49/02
1560	Brandywine Shoal Midway Buoy 2	38 59 47 N 75 07 40 W				Red nun.	
		*					49/02
1610	Elbow of Cross Wreck Lighted Buoy WR Marks wreck of WALTER GAZE.	39 12 33 N 75 15 19 W	Fl (2+1) G 6s		4	Green and red bands.	Replaced by can from Dec. 15 to Mar. 15.
		*					49/02
Maurice River							
1700	- Entrance Lighted Buoy 1	39 08 36 N 75 06 17 W	Fl G 4s		4	Green.	Replaced by unlighted ice buoy from Nov. 15 to Apr. 1.
		*					49/02
1720	- Channel Buoy 7	39 11 49 N 75 02 23 W				Green can.	
		*					49/02
3715	FRANKFORD CHANNEL UPPER DIRECTIONAL LIGHT	40 01 13 N 75 01 49 W	F G	30		On tower on multi-pile structure.	Light oriented on bearing 061.2°, not on centerline of channel. Lighted throughout 24 hours.
		*			*		*
3745	- LOWER RANGE REAR LIGHT 569 yards, 222.28° from front light.		Oc W 4s	42		KRW on white skeleton tower.	Visible on range line only.
		*					49/02
3755	- UPPER RANGE REAR LIGHT 764 yards, 042.30° from front light.		Oc R 4s	42		KWR on skeleton tower.	Visible on range line only. Lighted throughout 24 hours.
		*					49/02

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3890	EDGEWATER UPPER RANGE FRONT LIGHT	40 04 54 N 74 52 26 W	Q G	29		Skeleton tower on multi-pile structure.	Higher intensity on rangeline. Lighted throughout 24 hours.
					*		*
							49/02
3895	EDGEWATER UPPER RANGE REAR LIGHT 344 yards, 069.81° from front light.		Oc G 4s	49		Skeleton tower on multi-pile structure.	Higher intensity on rangeline. Lighted throughout 24 hours.
		*			*		*
							49/02
3910	EDGEWATER LOWER RANGE REAR LIGHT 228 yards, 247.61° from front light.		F W	35		KRW on skeleton tower.	Visible on range line only. Lighted throughout 24 hours.
		*					49/02
3975	LEHIGH UPPER RANGE FRONT LIGHT	40 05 41 N 74 51 16 W	Q G	35		On multi-pile structure.	Visible all around; higher intensity on rangeline. Lighted throughout 24 hours.
		*			*		
							49/02
3980	LEHIGH UPPER RANGE REAR LIGHT 77 yards, 028.5° from front light.		F G	42		On skeleton tower.	Visible on range line only. Lighted throughout 24 hours.
		*			*		
							49/02
7525	POINT LOOKOUT LIGHT	38 01 30 N 76 19 24 W	Fl (2) W 5s	39	8	NB on skeleton tower on piles.	Higher intensity beams towards Smith Point Fairway, up Potomac River and northeastward.
		*			*		
							49/02
7560	POINT NO POINT LIGHT	38 07 42 N 76 17 24 W	Fl W 6s	52	9	White octagonal brick dwelling on brown cylinder.	
		*			*		
							49/02
14065	- Channel Buoy 5MB					Green can.	
		*					49/02
14070	- Channel Daybeacon 6MB					TR on pile.	
		*					49/02
14110	- LIGHT 3	37 15 43 N 76 19 59 W	Fl G 4s	15	4	SG on pile.	
		*					49/02
East River							
14165	- ENTRANCE LIGHT 1 On south end of shoal.	37 21 18 N 76 21 11 W	Fl G 4s	15	4	SG on multi-pile structure.	Light equipment removed when endangered by ice.
		*			*		
							49/02
14590	- EAST LIGHT 5		Fl G 4s	15	4	SG on pile.	Light equipment removed when endangered by ice.
					*		
							49/02

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*14593	- EAST LIGHT 6		Fl R 4s	15	3	TR on pile.	Light equipment removed when endangered by ice.
49/02							
POCOMOKE AND TANGIER SOUNDS (Chart 12228)							
Pocomoke Sound							
Broad Creek							
22665	- SOUTH ENTRANCE LIGHT 2	37 54 59 N 75 50 44 W	Fl R 2.5s	15	4	TR on pile.	*
		*				*	49/02
22700	- Channel Daybeacon 13	37 56 20 N 75 51 29 W				SG on pile.	
		*					49/02
28260	- LIGHT 14		Fl R 4s	15	3	TR on pile.	Light equipment removed when endangered by ice.
				*			49/02
*29663	- Buoy 2A					Red nun.	
							49/02
Oyster Creek							
32820	- ENTRANCE LIGHT 2	35 19 29 N 76 31 05 W	Fl R 4s	16	3	TR on multi-pile structure.	*
						*	49/02
32825	- LIGHT 4		Q R	16	3	TR on pile.	Obscured from 090° to 265°.
				*			49/02

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
775	Hillsboro Inlet Light	26 15 36 N 80 04 54 W	Fl (2) W 20s	136	28	Octagonal pyramidal iron skeleton tower with central stair cylinder, lower third of structure white, upper two-thirds black.	Obscured from 015° to 186°.
			*				49/02
Shem Creek							
3560	- RANGE FRONT LIGHT	32 47 20 N 79 53 12 W	Q W	12		KRW on pile.	*
							49/02
*9844	- INNER HARBOR OUTBOUND RANGE REAR LIGHT 265 yards, 061.7° from front light.		Iso G 6s	32		KRW on skeleton tower on piles. Visible 1.5° each side of rangeline.	
							49/02

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*Delete Heading: *Fort Pierce Inlet							
9945	- INNER HARBOR RANGE REAR LIGHT 265 yards, 061.7° from front light.						<i>Remove from list.</i>
							* 49/02
38900	Tolomato River Shoal Light		Fl W 2.5s	12	2	NW on pile worded DANGER SHOAL.	
		*	*		*		49/02

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
24275	LYNCHBURG INBOUND RANGE FRONT LIGHT	29 45 57 N 95 05 00 W	Q R	30	4	KRW on skeleton tower on piles.	For upbound traffic. Visible all around; higher intensity on rangeline.
					*		* 49/02
30265	- Daybeacon 9					SG on pile.	Ra ref.
							* 49/02
30685	JOE'S BAYOU ENTRANCE CHANNEL LIGHT 2	30 25 06 N 86 29 35 W	Q R	17	3	TR on pile.	Ra ref.
		*	*	*	*		49/02

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
155	San Pedro Channel Traffic Lane Lighted Buoy W	33 37 06 N 118 17 36 W	Fl Y 6s		4	Yellow.	BELL.
		*					49/02
4350	Raccoon Straight Lighted Buoy 4	37 51 41 N 122 26 50 W	Fl R 2.5s	80	7	Red.	
		*	*	*		*	49/02
9675	- LIGHT 14	44 36 54 N 124 01 17 W	Fl R 4s	15	3	TR on pile.	
		*		*			49/02
9795	- ENTRANCE RANGE FRONT LIGHT	44 48 34 N 124 03 43 W	Q R	42		KWR on skeleton tower.	Lighted throughout 24 hours.
					*		49/02

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SECTION II

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

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Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2002 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
12669	-Canal de la Manuy, No. "1". <i>J 4884</i>						Remove from list. *
							49/02
12669.6	--No. "7". <i>J 4884.6</i>						Remove from list. *
							49/02
12669.8	--No. "9". <i>J 4884.7</i>						Remove from list. *
							49/02
12670	-Canal de los Barcos, No. "2". <i>J 4885</i>						Remove from list. *
							49/02
13916	-Kingston Entrance Buoy.						Remove from list. *
							49/02
*13917	-Buoy No. "2".	17° 54.4' N 76° 45.8' W	F.I.R. period 10s			STARBOARD (B) R, conical.	
	-RACON		K(- - -)				
							49/02
14428	Arecibo AVIATION LIGHT. <i>J 5492.6</i>	18° 27.0' N 66° 40.4' W	AI. F.I.W.G.				
*	*	*	*	*	*	*	*
14440	-Range, W. side of harbor, <i>J 5496</i> front.	18° 27.4' N 66° 07.7' W	Q.G.	23 7		Skeleton tower on piles, red rectangular daymark, white stripe.	Visible 0.5° each side of range line.
	-Passing.		Fl.W. period 2.5s	27 8	5		
	*	*	*	*	*		*
14444	--Rear, 220 meters 180°30' <i>J 5496.1</i> from front.	18° 27.3' N 66° 07.7' W	Iso.G. period 6s	56 17		Skeleton tower, red rectangular daymark, white stripe.	Visible 0.5° each side of range line.
	--Passing.		Fl.W. period 2.5s	15 5	5		
	*	*	*	*	*		*
16632	Cabo Tiburon. <i>J 6144</i>	8° 40.5' N 77° 21.6' W	Fl.(2)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	328 100	15	Orange tower.	
	RACON		G(--)		20		
					*		
							49/02

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SECTION II

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2001 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9708 F 4974.6	Bungo Takada Ko, training wall.	33° 35.7' N 131° 25.4' E	Fl.(2)R. period 8s 2 fl. 3s, ec. 5s	36 11	4 28.	Red cylindrical concrete tower;	
		*		*			49/02

CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8992 A 1118	Jetee Ouest, head.	51° 03.7' N 2° 21.2' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	115 35	11	White tower, brown top; 118.	
		*		*			49/02

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1140 C 0584.1	--Rear, 1.2 km., 080° from front.	57° 41.5' N 11° 55.3' E	Q.R.	253 77	11	Mast.	Shown by day from Nov. 1 to Mar. 31.
		*	*				49/02
*8902 C 6676.2	Torsken.	58° 49.5' N 17° 43.8' E	Q.W.R.G.	21 6	W. 9 R. 7 G. 6	White hut, red band. Floodlit.	G. 018.5°-154°, W.-166°, R.-248°, G.-307°, W.-313°, R.-018.5° Radar reflector.

49/02

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.

Denotes a new entry when preceding the station number.

SECTION II

NM 49/02

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS THROUGH NM 49/02

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	2000	34*,35,37,38,40,41, 42,43,45,46,47,50, 51/00;1,2,3,4,5,6,7, 8,9,10,11,12,13,14, 16,17,18,19,20,21, 22,23,24,25,26,28, 29,30,33,34,35,36, 37,39,40,41,42,43, 44,45,46,47,48,49, 50,52/01;1,2,3,5,6,7, 8,9,10,12,13,15,18, 19,20,21,22,23,26, 28,30,31,34,35,36, 37,38,39,41,42,43, 45,46,47,48,49/02		SAILING DIRECTIONS	SDPUB120	2001	12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02	SDPUB183	2001	27/01*;13,15,16/02
Region 2	2000	34*,40,43/00;4,23, 30,35,39,42,45, 46/01;5,11,13,15,19, 22,24,26,28,41, 48/02	SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46/02	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, 14,15,16,17,42/02		
Region 3	2000	34*,44,48/00;21, 40/01;17,19,40/02	SDPUB125	2000	6*,9,10,20,21,40/00; 36,37,45,46/01;14, 17,33,35,38,40/02	SDPUB192	2000	14*,16,17,18,24,26, 31,36,38,39,46/00;4, 14,17,21,22,23,25, 26,28,30,31,32/01; 11,12,13,14,15,16, 22,23,27,36,37,42, 48/02		
Region 4	2000	34/00*;3/01;13, 20/02	SDPUB126	2002	39*,41,42,43,44,45, 48/02	SDPUB193	2000	27*,38,49/00;9,26, 27,31,32/01;14,15, 26/02		
Region 5	2000	34*,37,40,42,47/00; 2,3,4,17,20,21,29, 40,41,45/01;6,8,13, 14,19,22,29,44,46, 48/02	SDPUB131	2000	13*,18,21,25,29,30, 33,37,51/00;4,15,19, 28,49,52/01;22,23, 24,25,26,27,32,33, 37,38,39,40,43, 44/02	SDPUB194	2000	51/00*;9,11,24,26, 29,32,34,35/01;11, 14,18,19,20,22,23, 24,25,26,27,29,30, 33/02		
Region 6	2000	34*,35,45,52/00;2, 14,29,36,41,46, 51/01;12,14,15,17, 19,26/02	SDPUB132	2000	39*,45/00;16,17,31, 35/01;1,12,21,25, 26/02	SDPUB195	2002	33*,40,49/02		
Region 7	2000	34/00*;2,10,35, 41/01;18,25,46/02	SDPUB140	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48/02	SDPUB200	2002	38*,39,42/02		
Region 8	2000	34/00*;1,38/02	SDPUB141	2001	21*,38/01	USCG LIGHT LIST VOLUMES I - VII				
Region 9	2000	34/00*;23,41,48/01; 13,15,18,19,21,23, 44/02	SDPUB142	2000	49/00*;3,31,35/01; 1,15,43/02	COMDTM165021	2002	30*,31,32,33,34,35, 36,37,39,40,41,42, 43,44,45,46,47,48, 49/02		
Miscellaneous Charts and Publications	2000	34*,35,36,37,39,40, 44,45,46,47,49,50, 51,52,53/00;1,2,3,4, 5,6,7,8,9,11,12,14, 15,16,17,18,19,20, 21,22,23,26,27,28, 29,30,31,32,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,49,50,51,52/01;1, 2,3,4,5,8,9,12,13,14, 16,17,18,19,20,22, 23,24,26,27,28,29, 30,31,32,33,34,35, 36,38,39,40,41,42, 44,45,46,47,48, 49/02	SDPUB143	2000	8*,10,19,29/00;16, 26/01;1,25/02	COMDTM165022	2002	16*,17,18,19,20,21, 22,23,25,26,27,28, 29,30,31,32,33,34, 35,36,37,40,41,42, 43,44,45,46,47,48, 49/02		
LLPUB110	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49/02	SDPUB144	2000	13*,14,18,19,22,26, 32,37,38,46,47,51, 53/00;1,4,5,7,10,12, 28,29,35,52/01;14, 27/02	COMDTM165023	2002	35*,36,37,40,41,42, 43,44,45,46,47,48, 49/02		
LLPUB111	2002	35*,36,37,38,39,40, 41,42,43,44,45,46, 47,48/02	SDPUB145	2000	26*,28,32,33,38,45, 46,48,51/00;2,5,10, 27,28,29,31,38/01; 15,29/02	COMDTM165024	2002	30*,31,32,33,34,35, 36,37,40,41,42,43, 45,46,47,48,49/02		
LLPUB112	2001	5*,7,8,9,10,11,12, 13,14,15,16,17,18, 19,20,21,22,23,24, 25,26,27,28,29,30, 31,32,33,34,35,36, 37,38,39,40,41,42, 43,44,45,46,47,48, 49/02	SDPUB146	2000	35/01*;21,22,23, 24/02	COMDTM165025	2002	16/02*		
LLPUB113	2002	45*,47,48/02	SDPUB147	2001	48/01*;23,24/02	COMDTM165026	2002	35*,36,40,41,42,43, 44,45,46,47,48, 49/02		
LLPUB114	2002	13*,15,16,17,19,20, 21,22,23,24,31,32, 34,35,36,38,39,40, 41,43,45,46,47,48, 49/02	SDPUB148	2001	6/01*;28,30,41,44, 46,47,48/02	COMDTM165027	2002	16*,17,18,19,20,21, 22,23,25,27,29,30, 32,33,34,36,37,40, 43,45,46,47,48/02		
LLPUB115	2002	39*,40,41,44,45/02	SDPUB149	2002	17*,19,31,42,44,45, 46,48/02	FLEET GUIDES				
LLPUB116	2002	18*,20,21,22,24,25, 26,27,29,31,34,37, 41,42,44,45,46,47, 48,49/02	SDPUB150	2001	31*,48/01;10,45, 46/02	FGPUB940ATL	2001	N47/01*		
			SDPUB151	2000	20*,27,29,33,34,35, 38,41,44,48/00;1,3, 4,6,7,11,12,13,21, 23,32,47/01;2,5,9, 13,14,20,22,27, 38/02	FGPUB941PAC	2001	N22/01*		
			SDPUB152	2000	50/00*;5,10,12,13, 15,17,20,24/01; 46/02	NOS MISCELLANEOUS PUBLICATIONS				
			SDPUB153	2002	42*,48/02	NSPBCATALOG01	2000	20/00*		
			SDPUB154	2002	47*,48,49/02	NSPBCATALOG02	2000	34/00*		
			SDPUB155	2001	23*,24,44,47,48/02	NSPBCATALOG03	2000	28/00*		
			SDPUB156	2000	6/01*;28,30,41,44, 46,47,48/02	NSPBCATALOG04	2000	34/00*		
			SDPUB157	2000	20*,27,29,33,34,35, 38,41,44,48/00;1,3, 4,6,7,11,12,13,21, 23,32,47/01;2,5,9, 13,14,20,22,27, 38/02	ALMANACS				
			SDPUB158	2000	50/00*;5,10,12,13, 15,17,20,24/01;	AIRALMANAC301	2003	44/02*		
			SDPUB159	2002	42*,48/02	NAUTALMANAC03	2003	44/02*		
			SDPUB160	2002	47*,48,49/02	COAST PILOT				
			SDPUB161	2002	23*,24,44,47,48/02	NOSPBCP1	32	37*,39,41,47,51/01; 1,5,7,13,18,33,37, 39,42,45,49/02		
			SDPUB162	2001	51/01*	NOSPBCP2	31	44*,47,51,52/01;5,7, 12,13,18,23,33,37, 39,42,45,48/02		
			SDPUB163	2002	18*,20,21,26,46/02	NOSPBCP3	35	3*,5,7,12,15,17,18, 21,22,27,28,33,37, 42,45,49/02		
			SDPUB164	2000	30/00*;31,35,36/01	NOSPBCP4	34	49/02*		
			SDPUB165	2001	40*,47,48,52/01;5,9, 14,16,41/02	NOSPBCP5	29	49*,51/01;1,6,12,13, 15,16,17,20,21,33, 34,37,39,42,47, 49/02		
			SDPUB166	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02	NOSPBCP6	32	19*,20,21,33,39,45, 47,49/02		
			SDPUB167	2001	8*,10,17,29/00;43, 45,51,52/01;13,14, 17,22,24,26,27, 31/02	NOSPBCP7	33	46*,47/01;1,5,12,15, 19,20,21,22,23,25, 33,34,37,39/02		
			SDPUB168	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02					
			SDPUB169	2001	31/02					
			SDPUB170	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02					
			SDPUB171	2002	32*,33,42,47,48/02					
			SDPUB172	2001	SDPUB180	2002				
			SDPUB173	2000	38*,39/02	SDPUB181	2002			
			SDPUB174	2000	8*,10,12,41/02	SDPUB182	2001			

SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 49/02**

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

NIMA Reference No.	Ed.	Notice to Mariners No.		
NOSPBCP8	24	3*,5,16,17,19,23,33, 37,40,46,47/02		
NOSPBCP9	20	12*,20,23,33,37, 45/02		
RADIO NAVIGATIONAL AIDS				
RAPUB117	2001	11*,12,13,14,15,16, 17,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,36,37,38, 39,40,42,44,47,48, 49,50/01		
AMERICAN PRACTICAL NAVIGATOR				
NVPUB9	2002	36/02*		
INTERNATIONAL CODE OF SIGNALS				
NVPUB102	1999	46/99*;52/01		
WORLD PORT INDEX				
NVPUB150	2000	50/00*;14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02		
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	N20/89*		
ATLAS OF PILOT CHARTS				
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
USCG NAVIGATION RULES				
COMDTM166722D	1999	44/99*;52/00		
NOS TIDE TABLES				
NOSPBTTCWPACIN2	2002	N52/01*		
NOSPBTTECSTNSA2	2002	N52/01*		
NOSPBTTEURAFR2	2002	N52/01*		
NOSPBTWCSTNSA2	2002	N52/01*		
TIDAL CURRENT TABLES				
NOSPBTCTATCSTN2	2002	N52/01*;N9/02		
NOSPBTCTPACAS2	2002	N52/01*		

SECTION III

NM 49/02

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 211200Z November 2002:

2001 series	219(GEN)	351(11)	383(11,26)	430(GEN)	434(GEN)
393(GEN)	332(GEN)	365(14)	395(GEN)	431(11,26)	439(11,26)
2002 series	346(GEN)	367(GEN)	428(11)	433(26)	

The summary of all NAVAREA IV messages in force as of 13 December 2001 is given in Section III of NM 52/01. Warnings issued during the subsequent quarters are issued in NM 13/02, 26/02 and 39/02.

NAVAREA IV WARNINGS issued from 141300Z to 211200Z November 2002.

427/02. CANCELED.

428/02(11). GULF OF MEXICO. TEXAS.

1. SEISMIC SURVEY IN PROGRESS UNTIL 28 NOV
NOTICE BY M/V CGG AMADEUS TOWING SIX
5 MILE LONG CABLES IN AREA BOUND BY
27-52N 096-15W, 27-35N 095-57W,
27-25N 096-08W, 27-44N 096-26W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 29 NOV.

(150245Z NOV 2002)

429/02. CANCELED.

430/02(GEN).

1. NAVAREA IV MESSAGES IN FORCE 151000Z NOV 2002, ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2002 SERIES: 383(11,26), 395(GEN), 415(GEN), 418(11),
420(11,26), 423(27), 425(14), 426(11,25,26), 427(11),
428(11), 429(11,28).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02, 26/02 AND 39/02.
3. CANCEL NAVAREA IV 419/02.

(151010Z NOV 2002)

431/02(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
 - A. 0500Z TO 0459Z COMMENCING DAILY 18 THRU 24 NOV
IN AREA BOUND BY 30-45N 080-54W, 30-45N 080-11W,
30-36N 080-11W, 30-34N 080-33W.
 - B. 0500Z TO 0459Z COMMENCING DAILY 18 THRU 24 NOV
IN AREA BETWEEN 29-20N 29-10N AND 079-50W 079-40W.
 - C. 1400Z TO 0600Z COMMENCING DAILY 19 THRU 22 NOV
IN AREA BETWEEN 30-00N 29-50N AND 080-50W 081-00W.
 - D. 1200Z TO 2300Z DAILY 18 THRU 22 NOV
IN AREA BOUND BY 30-32N 080-58W, 30-45N 080-56W,
31-10N 080-59W, 31-10N 080-10W, 30-32N 080-10W.
 - E. 191630Z TO 191930Z NOV IN AREA BOUND BY 30-35N 081-21W,
30-35N 081-00W, 30-00N 081-02W, 30-00N 081-15W.
2. CANCEL THIS MSG 250559Z NOV.

(151817Z NOV 2002)

432/02. CANCELED.

433/02(26). NORTH ATLANTIC.

1. DERELICT 30 FOOT S/V SUMMER HEAT, WHITE HULL WITH BLACK TRIM,
ADRIFT IN 28-00N 077-10W.
2. CANCEL THIS MSG 25 NOV.

(180031Z NOV 2002)

434/02(GEN). NORTH ATLANTIC. MAINE.

1. LORAN-C STATION CARIBOU, RATES 5930-MASTER
AND 9960-W, UNUSABLE 221500Z TO 221700Z NOV.
2. CANCEL THIS MSG 221800Z NOV.

(181447Z NOV 2002)

435/02 thru 438/02. CANCELED.

NM 49/02

SECTION III

439/02(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1300Z TO 2200Z DAILY 23 AND 24 NOV
IN AREA BOUND BY 30-32N 080-58W, 30-45N 080-56W,
31-10N 080-59W, 31-10N 080-10W, 30-32N 080-10W.
2. CANCEL THIS MSG 242300Z NOV.

(200955Z NOV 2002)

SECTION III

NM 49/02

HYDROLANTS

Messages in force 211200Z November 2002:

2000 series	3161(44)	2156(GEN)	2394(54,56)	2510(GEN)	2557(24)
1569(36)	2002 series	2171(57)	2408(56)	2511(52,53)	2558(24)
2353(36)	11(54)	2203(51)	2412(54)	2512(52,53)	2559(24)
2937(38)	134(37)	2228(35)	2413(52)	2514(53)	2560(24)
3762(43)	245(GEN)	2230(53)	2417(53)	2518(51)	2561(24)
4265(44)	246(GEN)	2237(24)	2418(37)	2520(54,56)	2563(51)
2001 series	321(52)	2247(24)	2421(54)	2524(57)	2564(51)
470(53)	349(54)	2292(GEN)	2424(53)	2525(36,37)	2565(37)
611(44)	383(53)	2294(53)	2434(56)	2526(51,57)	2566(57)
1116(36)	946(53)	2307(24)	2450(37)	2534(56)	2567(36,37,51)
1798(37)	1065(53)	2310(52,53)	2465(54,56)	2542(51)	2568(56)
1885(44)	1066(37)	2321(57)	2467(24)	2544(24)	2570(24)
2066(37)	1159(51)	2339(53)	2470(37)	2545(35)	2571(37)
2659(GEN)	1290(53)	2354(53)	2480(53)	2547(24)	2572(24)
2700(37)	1485(24)	2365(54)	2484(22)	2548(24)	
2706(37)	1895(23)	2366(54,56)	2486(36)	2550(GEN)	
2864(53)	1986(GEN)	2368(51)	2489(53,54)	2554(35)	
2916(37)	2027(GEN)	2372(38)	2493(54,56)	2555(35)	
2948(36)	2105(53)	2382(55)	2508(24)	2556(23)	

The summary of all HYDROLANTS in force as of 13 December 2001 is given in Section III of NM 52/01.
Warnings issued during the subsequent quarters are issued in NM 13/02, 26/02 and 39/02.

HYDROLANT WARNINGS issued from 141300Z to 211200Z November 2002.

2503/02 thru 2507/02. CANCELED.

2508/02(24). BRAZIL-SOUTH COAST.

CHART 24130 (14TH ED).

1. PARANAGUA RADIOBEACON 25-29.6S 048-19.5W
INOPERATIVE UNTIL 22 DEC.
2. CANCEL THIS MSG 23 DEC.

(150720Z NOV 2002)

2509/02. CANCELED.

2510/02(GEN).

1. HYDROLANT MESSAGES IN FORCE 151000Z NOV 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.

2002 SERIES: 2228(35), 2230(53), 2237(24), 2243(37), 2247(24), 2268(36), 2292(GEN), 2294(53), 2307(24), 2310(52,53), 2321(57), 2339(53), 2354(53), 2365(54), 2366(54,56), 2368(51), 2372(38), 2382(55), 2394(54,56), 2408(56), 2412(54), 2413(52), 2417(53), 2418(37), 2421(54), 2424(53), 2425(52,53), 2434(56), 2446(37), 2448(GEN), 2450(37), 2462(24), 2465(54,56), 2467(24), 2470(37), 2473(54,55), 2474(54), 2480(53), 2484(22), 2486(36), 2488(51), 2489(53,54), 2490(37), 2491(38), 2493(54,56), 2495(24), 2496(24), 2497(24), 2498(24), 2504(36,37,51), 2506(37), 2508(24), 2509(54).

2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02, 26/02 AND 39/02.

3. CANCEL HYDROLANT 2211/02, 2455/02, 2463/02, 2468/02, 2481/02, 2503/02.

(151240Z NOV 2002)

2511/02(52,53). WESTERN MEDITERRANEAN SEA.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY M/V PERFORMER IN AREA BETWEEN 39-12N 39-30N AND 006-30E 007-00E.

(151458Z NOV 2002)

2512/02(52,53). SARDEGNA-SOUTH COAST. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1700Z DAILY 18, 20 AND 22 NOV IN AREA BOUND BY 38-55-10N 008-42-30E, 38-50-00N 008-48-00E, 38-46-15N 008-48-00E, 38-43-30N 008-41-15E, 38-49-00N 008-26-00E, 38-57-00N 008-36-00E.

2. CANCEL THIS MSG 221800Z NOV.

(151537Z NOV 2002)

2513/02. CANCELED.

SECTION III

2514/02(53). SARDEGNA-EAST COAST. MISSILES. ROCKETS.

1. HAZARDOUS OPERATIONS 0800Z TO 1630Z DAILY
18 AND 22 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.
2. CANCEL THIS MSG 221730Z NOV.

(151557Z NOV 2002)

2515/02 thru 2517/02. CANCELED.

2518/02(51). NORTH ATLANTIC.

1. DERELICT S/V TORTUE BLEUE ADRIFT VICINITY
34-05.3N 008-06.3W AT 151500Z NOV.
2. CANCEL THIS MSG 22 NOV.

(151746Z NOV 2002)

2519/02. CANCELED.

2520/02(54,56). EASTERN MEDITERRANEAN SEA.

1. DERELICT 40 FOOT BARGE ADRIFT VICINITY 34-00.4N 027-21.6E.
2. CANCEL THIS MSG 23 NOV.

(160035Z NOV 2002)

2521/02 thru 2523/02. CANCELED.

2524/02(57). GULF OF GUINEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 21 DEC BY
M/V RAMFORM VALIANT TOWING TEN 6000 METER
LONG CABLES IN AREA BETWEEN
04-13.2N 03-44.2N AND 004-30.5E 005-01.5E.
FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 22 DEC.

(161320Z NOV 2002)

2525/02(36,37). CELTIC SEA.

1. 550 METER LONG PIPE ADRIFT VICINITY
46-13.7N 007-21.0W AT 161050Z NOV.
2. CANCEL THIS MSG 23 NOV.

(161340Z NOV 2002)

2526/02(51,57). NORTH ATLANTIC.

1. MAN OVERBOARD FROM F/V ILE TRISTAN VICINITY 02-26N 014-52W
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC GRIS NEZ,
TELEX: 44134002, PHONE: 333 2187 2187, FAX: 333 2187 7855.
2. CANCEL HYDROLANT 2522/02.

(161350Z NOV 2002)

2527/02 thru 2533/02. CANCELED.

2534/02(56). EASTERN MEDITERRANEAN SEA. GUNNERY.

1. GUNNERY EXERCISES 0600Z TO 1600Z DAILY 18 THRU 21 NOV IN
AREA BOUND BY 32-11.6N 033-31.6E, 32-19.4N 033-40.6E,
32-07.9N 033-54.2E, 32-00.3N 033-45.2E.
2. CANCEL THIS MSG 211700Z NOV.

(171030Z NOV 2002)

2535/02 thru 2541/02. CANCELED.

2542/02(51). NORTH ATLANTIC.

1. S/V ADRIFT VICINITY 41-08.8N 010-09.8W AT 180910Z NOV.
2. CANCEL HYDROLANT 2523/02(36,37,51).
3. CANCEL THIS MSG 25 NOV.

(181748Z NOV 2002)

2543/02. CANCELED.

2544/02(24). BRAZIL-EAST COAST.

- S/V CORAL SEA, TWO PERSONS ON BOARD, ADRIFT IN 18-34S 038-26W
AT 181525Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.

(182142Z NOV 2002)

SECTION III

NM 49/02

2545/02(35). SCOTLAND-EAST COAST.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
VICINITY 57-48.9N 00-58.4W. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 2268/02(36).

(190031Z NOV 2002)

2546/02. CANCELED.

2547/02(24). BRAZIL-SOUTH COAST.

1. HYDROGRAPHIC OPERATIONS IN PROGRESS UNTIL 22 NOV
BY M/V SIRIUS VICINITY OF TRACKLINE BETWEEN
28-19S 048-00W AND 30-35S 050-15W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 23 NOV.

(190610Z NOV 2002)

2548/02(24). BRAZIL-NORTH COAST.

1. OCEANOGRAPHIC OPERATIONS IN PROGRESS UNTIL 21 NOV
BY M/V ALMIRANTE CAMARA IN AREA BOUND BY
03-25S 037-58W, 04-00S 037-58W,
04-09S 037-44W, 03-36S 037-44W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 22 NOV.

(190620Z NOV 2002)

2549/02. CANCELED.

2550/02(GEN). AZORES TO KIEL CANAL.

11 METER VESSEL TAURAS, RED HULL WITH YELLOW STRIPE, OVERDUE
AZORES TO KIEL CANAL. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC FALMOUTH,
TELEX: 5145560, PHONE: 4413 2631 7575, FAX: 4413 2631 8342.

(191639Z NOV 2002)

2551/02 thru 2553/02. CANCELED.

2554/02(35). SCOTLAND-EAST COAST.

CHART 35080 (16TH ED).
SPECIAL BUOY 56-20N 001-00W UNLIT.

(192148Z NOV 2002)

2555/02(35). ORKNEY ISLANDS. RADIO SERVICES.

1. DSC STATION WIDEFORD HILL 58-59.3N 003-01.5W INOPERATIVE.
2. CANCEL HYDROLANT 2527/02, STATION RESTORED.
3. CANCEL HYDROLANT 2553/02(51), VESSEL LOCATED SAFE.

(200027Z NOV 2002)

2556/02(23). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED:
 - A. IN AREA BETWEEN 49-15.0S 050-15.0S
AND 046-00.0W 050-00.0W.
 - B. IN 47-21.0S 058-37.3W.
 - C. IN 47-23.2S 058-39.2W.
 - D. FOUR MILES BY TWO MILES, IN 50-30.0S 050-00.0W.
 - E. 15 MILES BY THREE MILES, IN 54-04.3S 062-22.5W.
 - F. IN 43-08.0S 057-36.0W.
 - G. IN 41-45.0S 056-56.0W.
 - H. 400 METERS BY 500 METERS, IN 45-11.8S 059-04.7W.
 - I. 200 METERS BY 300 METERS, IN 44-59.8S 059-06.1W.
 - J. 190 METERS BY 25 METERS, IN 47-15.8S 059-15.8W.
 - K. IN 39-23.2S 055-32.6W.
2. CANCEL HYDROLANT 2546/02.
3. CANCEL THIS MSG 27 NOV.

(200650Z NOV 2002)

2557/02(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 230200Z NOV BY
M/V VERITAS VIKING II TOWING SIX 7408 METER
LONG CABLES IN AREA BETWEEN 19-06.5S 20-06.1S AND
038-31.5W 039-03.4W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 230300Z NOV.

(200905Z NOV 2002)

2558/02(24). BRAZIL-SOUTHEAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 230200Z NOV BY
M/V CGG HARMATTAN TOWING EIGHT 4500 METER LONG
CABLES IN AREA BETWEEN 22-35S 22-55S AND
040-30W 041-00W. FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 230300Z NOV.

(200910Z NOV 2002)

SECTION III

2559/02(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 230200Z NOV
BY M/V CGG ALIZE TOWING EIGHT 7408 METER
LONG CABLES IN AREA BETWEEN 25-40S 26-50S
AND 044-25W 045-15W. FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 230300Z NOV.

(200920Z NOV 2002)

2560/02(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 230159Z NOV
BY M/V VERITAS VIKING I TOWING 5400 METER
LONG CABLES IN AREA BETWEEN 23-50S 24-30S
AND 044-35W 043-50W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 230259Z NOV.

(200935Z NOV 2002)

2561/02(24). BRAZIL-SOUTHEAST COAST.

1. OCEANOGRAPHIC OPERATIONS IN PROGRESS UNTIL 28 NOV
BY M/V ANTARES IN AREA BOUND BY
23-16S 044-07W, 23-54S 045-03W,
27-12S 039-52W, 26-52S 038-29W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 29 NOV.

(200940Z NOV 2002)

2562/02. CANCELED.

2563/02(51). NORTH ATLANTIC.

1. SURVEY OPERATIONS 23 NOV THRU 10 DEC
BY M/V LE SUROIT IN AREA BETWEEN
20-00N 25-00N AND 016-00W 023-00W.
2. CANCEL THIS MSG 11 DEC.

(201250Z NOV 2002)

2564/02(51). NORTH ATLANTIC.

1. SEISMIC SURVEY 23 NOV THRU 10 DEC BY
M/V NADIR TOWING 4500 METER LONG
CABLE IN AREA BETWEEN
20-00N 25-00N AND 016-00W 023-00W.
2. CANCEL THIS MSG 11 DEC.

(201255Z NOV 2002)

2565/02(37). ENGLAND-SOUTH COAST.

1. SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY M/V CONFIDANTE IN AREA BETWEEN 50-31N 50-42N
AND 000-40W 000-50W. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 2243/02.

(201310Z NOV 2002)

2566/02(57). GULF OF GUINEA.

- UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY M/V SAIPEM 10000 VICINITY 04-46.1N 004-43.5E.
ONE MILE BERTH REQUESTED.

(201531Z NOV 2002)

2567/02(36,37,51). NORTH ATLANTIC.

- POLLUTION CONTROL OPERATIONS IN PROGRESS UNTIL
FURTHER NOTICE VICINITY 42-12.6N 012-03W.
WIDE BERTH REQUESTED.

(201543Z NOV 2002)

2568/02(56). EASTERN MEDITERRANEAN SEA.

1. PIPELAYING OPERATIONS IN PROGRESS UNTIL 20 DEC BY VESSELS
IN AREA BETWEEN 32-00N 32-20N AND 030-55E 030-30E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 21 DEC.

(201552Z NOV 2002)

2569/02. CANCELED.

2570/02(24). BRAZIL-EAST COAST.

- CHART 24210 (14TH ED).
SAO CRISTOVAO LIGHT 11-07.8S 037-08.7W UNLIT.

(201805Z NOV 2002)

SECTION III

NM 49/02

2571/02(37). BAY OF BISCAY.

1. 200 METER LONG PIPE ADRIFT VICINITY 47-03N 005-00W
AT 201650Z NOV.
2. CANCEL THIS MSG 27 NOV.

(201830Z NOV 2002)

2572/02(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 22 NOV
BY M/V BULLDOG TOWING 15 METER LONG CABLE
IN AREA BOUND BY 11-05.9S 036-61.8W,
11-06.6S 036-52.3W, 11-01.8S 036-57.8W,
11-01.5S 036-58.6W, 11-01.9S 036-59.1W.
WIDE BERTH REQUESTED.
2. CANCEL HYDROFAC 2562/02.
3. CANCEL THIS MSG 23 NOV.

(201918Z NOV 2002)

SECTION III

NAVAREA XII

Messages in force 211200Z November 2002:

2001 series	178(GEN)	270(GEN)	311(19)	328(18)
298(GEN)	255(GEN)	290(83)	323(GEN)	
2002 series	260(GEN)	296(GEN)	326(19)	

The summary of all NAVAREA XII messages in force as of 13 December 2001 is given in Section III of NM 52/01. Warnings issued during the subsequent quarters are issued in NM 13/02, 26/02 and 39/02.

NAVAREA XII WARNINGS issued from 141300Z to 211200Z November 2002.

323/02(GEN).

1. NAVAREA XII MESSAGES IN FORCE 151000Z NOV 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2002 SERIES: 290(83), 296(GEN), 311(19), 316(GEN), 322(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02, 26/02 AND 39/02.
3. CANCEL NAVAREA XII 318/02.

(151020Z NOV 2002)

324/02 and 325/02. CANCELED.

326/02(19). NORTH PACIFIC. MISSILES.

1. HAZARDOUS OPERATIONS 220030Z TO 220430Z NOV,
ALTERNATE 0030Z TO 0430Z DAILY 23 THRU 25 NOV
IN AREA BOUND BY 22-00N 161-06W,
22-00N 163-12W, 29-00N 166-00W,
34-00N 154-00W, 28-00N 149-00W,
2. CANCEL NAVAREA XII 325/02(16,17).
3. CANCEL THIS MSG 250530Z NOV.

(180925Z NOV 2002)

327/02. CANCELED.

328/02(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:
 A. 34-02N 119-04W. M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL
 B. 33-52N 119-06W. TO THE SHORELINE.
 C. 33-29N 119-07W. N. 34-24N 120-30W.
 D. 33-29N 118-37W. O. 34-08N 120-26W.
 E. 33-20N 118-37W. P. 34-08N 119-40W.
 F. 32-11N 120-16W. Q. 34-00N 119-40W.
 G. 31-54N 121-35W. R. 34-06N 119-13W.
 H. 35-09N 123-39W. S. 34-06N 119-11W.
 I. 35-29N 123-00W. T. 34-07N 119-10W.
 J. 35-04N 122-43W. U. 34-07N 119-07W.
 K. 35-57N 121-32W. V. 34-04N 119-04W.
 L. 34-59N 120-42W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 322/02.

(211020Z NOV 2002)

SECTION III

NM 49/02

HYDROPOACS

Messages in force 211200Z November 2002:

2000 series	1147(92)	1917(81)	2033(61)	2105(22)	2141(22)
597(73)	1315(62)	1922(76)	2038(81,97)	2107(75)	2143(62)
1557(94)	1588(75)	1923(83)	2040(63)	2108(62)	2144(81)
2001 series	1607(93)	1926(92)	2047(GEN)	2109(62)	2145(94,97)
1556(71)	1629(GEN)	1936(GEN)	2049(63)	2110(63)	2146(81)
1636(96)	1635(62)	1937(81)	2050(63)	2111(62)	2148(74)
1647(GEN)	1661(GEN)	1955(71)	2051(63)	2113(GEN)	2151(22)
1976(62)	1757(GEN)	1961(93)	2052(62)	2117(81)	2152(22)
2062(61)	1765(71)	1963(81)	2056(76,83)	2119(71)	2153(94)
2002 series	1842(22)	1969(94)	2057(71,93)	2120(97)	2154(81)
146(62)	1843(22)	1971(63)	2067(91,92)	2121(61)	2155(81)
196(61)	1856(83)	1972(91)	2077(81)	2125(91,92)	2156(72)
205(GEN)	1865(81,92)	1983(63)	2078(83)	2126(62)	2157(74)
206(GEN)	1868(97)	1990(83)	2081(97)	2128(81)	2158(97)
207(93)	1877(83)	1994(82)	2084(97)	2131(63)	2159(92)
352(73)	1881(81,91,97)	2010(94,95)	2088(74)	2132(63)	2160(81)
403(72,73)	1885(91,93,94)	2011(71)	2090(63)	2134(81)	2161(97)
637(75)	1893(74)	2016(94,95)	2091(63)	2135(94,97)	2162(76)
753(62)	1912(71)	2017(95)	2092(81)	2137(63)	2163(19)
787(71)	1913(81)	2018(94,95)	2093(71,72)	2138(96)	2164(91)
828(62)	1914(61)	2030(95)	2099(91,92)	2139(75)	2166(81,97)
1078(72)	1916(92)	2031(95)	2101(81)	2140(22)	

The summary of all HYDROPOACS in force as of 13 December 2001 is given in Section III of NM 52/01. Warnings issued during the subsequent quarters are issued in NM 13/02, 26/02 and 39/02.

HYDROPOAC WARNINGS issued from 141300Z to 211200Z November 2002.

2110/02(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 28 NOV BY M/V VOLANS
TOWING 800 METER LONG CABLE IN AREA BOUND BY
21-26.0N 072-37.9E, 21-37.5N 072-18.3E,
21-15.4N 072-05.2E, 21-11.5N 072-07.5E,
21-00.0N 071-45.0E, 21-00.0N 072-45.0E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG NOV 29.

(141613Z NOV 2002)

2111/02(62). PERSIAN GULF.

CHART 62460 (4TH ED).
RACON AT AMOCO SHARJAH BUOY 25-34N 055-24E INOPERATIVE.

(141805Z NOV 2002)

2112/02. CANCELED.

2113/02(GEN).

1. HYDROPOAC MESSAGES IN FORCE 151000Z NOV 2002, ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2002 SERIES: 1856(83), 1865(81,92), 1868(97), 1877(83), 1881(81,91,97), 1885(91,93,94), 1893(74), 1912(71), 1913(81), 1914(61), 1916(92), 1917(81), 1922(76), 1923(83), 1926(92), 1936(GEN), 1937(81), 1953(83), 1955(71), 1961(93), 1963(81), 1969(94), 1971(63), 1972(91), 1983(63), 1990(83), 1994(82), 2010(94,95), 2011(71), 2016(94,95), 2017(95), 2018(94,95), 2030(95), 2031(95), 2033(61), 2038(81,97), 2040(63), 2047(GEN), 2049(63), 2050(63), 2051(63), 2052(62), 2056(76,83), 2057(71,93), 2063(GEN), 2067(91,92), 2077(81), 2078(83), 2081(97), 2084(97), 2088(74), 2089(63), 2090(63), 2091(63), 2092(81), 2093(71,72), 2097(97), 2098(94,97), 2099(91,92), 2100(63), 2101(81), 2103(74), 2104(22), 2105(22), 2106(75), 2107(75), 2108(62), 2109(62), 2110(63), 2111(62), 2112(75).
2. THE SUMMARY OF ALL HYDROPOAC MESSAGES IN FORCE AS OF 13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02, 26/02 AND 39/02.
3. CANCEL HYDROPOAC 725/01, 1929/01, 496/02, 1786/02, 1808/02, 1825/02, 1831/02, 1832/02, 1835/02, 1836/02, 2074/02.

(151250Z NOV 2002)

2114/02 thru 2116/02. CANCELED.

SECTION III

2117/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 11-45.2N 139-59.3E
AT 160255Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(160605Z NOV 2002)

2118/02. CANCELED.

2119/02(71). STRAIT OF MALACCA.

1. DERELICT 60 METER F/V ADRIFT IN 02-53.6N 100-56.4E
AT 151655Z NOV.
2. CANCEL THIS MSG 23 NOV.

(161240Z NOV 2002)

2120/02(97). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM F/V ZHEN SONG 2
IN 33-22-30N 155-32-45E AT 161703Z NOV. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO JAPAN COAST GUARD.

(162058Z NOV 2002)

2121/02(61). ARABIAN SEA.

M/V ERIC LD REPORTS CREWMAN WITH HEAD INJURY IN 05-22N 052-40E.
VESSELS IN VICINITY ABLE TO PROVIDE MEDICAL ASSISTANCE
REQUESTED TO ASSIST IF POSSIBLE. REPORTS TO MRCC GRIZ NEZ,
TELEX: 42130680, PHONE: 333 2187 2187, FAX: 333 2187 7855.||

(170655Z NOV 2002)

2122/02 thru 2124/02. CANCELED.

2125/02(91,92). PHILIPPINE SEA.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 12-51.9N 123-10.3E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO PAC RCC, TELEX: 392401,
PHONE: 808 531 1112, FAX: 808 541 2123.

(180705Z NOV 2002)

2126/02(62). GULF OF ADEN.

DISTRESS SIGNAL RECEIVED FROM M/V AL JABER III IN 13-04N 053-01E
AT 180343Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO IRCC STAVANGER,
TELEX: 5633163, PHONE: 475 151 7000, FAX: 475 165 2334.

(180710Z NOV 2002)

2127/02. CANCELED.

2128/02(81). NORTH PACIFIC. CAROLINE ISLANDS.

23 FOOT VESSEL, WHITE HULL, THREE PERSONS ON BOARD, OVERDUE
LOSAP ATOLL TO WENO ISLAND, TRUK ATOLL. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC GUAM, TELEX: 392401.

(180820Z NOV 2002)

2129/02 and 2130/02. CANCELED.

2131/02(63). INDIA-SOUTHWEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1300Z TO 1530Z DAILY 21 AND 22 NOV
WITHIN 75 MILES OF 08-31.9N 076-52.1E.
2. CANCEL THIS MSG 221630Z NOV.

(180910Z NOV 2002)

2132/02(63). INDIA-NORTHEAST COAST.

1. DERELICT F/V CAPSIZED AND ADRIFT VICINITY 19-26N 085-50E.
2. CANCEL THIS MSG 25 NOV.

(180920Z NOV 2002)

2133/02. CANCELED.

2134/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 08-36.2N 131-57.8E
AT 161045Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(181558Z NOV 2002)

SECTION III

NM 49/02

2135/02(94.97). PHILIPPINE SEA.

1. DERELECT 18 METER BARGEADRIFT VICINITY
22-10.9N 123-08.5E ON 18 NOV.
2. CANCEL THIS MSG 25 NOV.

(181611Z NOV 2002)

2136/02. CANCELED.

2137/02(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 210230Z TO 210530Z AND 211230Z TO 211430Z 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 211530Z NOV.

(181703Z NOV 2002)

2138/02(96). SEA OF JAPAN.

F/V IVAN KASATKIN SUNK VICINITY 47-17N 141-36E,
17 PERSONS IN LIFERAFTS. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF
POSSIBLE. REPORTS TO MRCC VLADIVOSTOK,
INMARSAT-C: 4925 00379, PHONE: 742 3249 5522,
FAX: 742 3249 5895 OR MSPC YUZHNO-SAKHALINSK.

(181847Z NOV 2002)

2139/02(75). AUSTRALIA-SOUTHEAST COAST.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY
M/V WESTERN MONARCH TOWING EIGHT 3 MILE LONG CABLES
IN AREA BETWEEN 38-30S 39-20S AND 142-30E 141-20E.
WIDE BERTH REQUESTED.

(190740Z NOV 2002)

2140/02(22). CHILE.

CHART 22395 (2ND ED).
RACON AT ISLOTE CAMPINO 47-57S 075-16W INOPERATIVE.

(190755Z NOV 2002)

2141/02(22). SOUTH PACIFIC. CHILE. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 211300Z TO 211700Z NOV IN AREA
BETWEEN 18-45S 18-55S AND 070-40W 070-30W.
2. CANCEL THIS MSG 211800Z NOV.

(190810Z NOV 2002)

2142/02. CANCELED.

2143/02(62). RED SEA.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 01 DEC
BY M/V EDT ARES IN AREA BOUND BY
28-20N 033-26E, 27-46N 034-00E,
27-46N 033-40E, 28-20N 033-10E.
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 02 DEC.

(190920Z NOV 2002)

2144/02(81). NORTH PACIFIC. CAROLINE ISLANDS.

1. 23 FOOT VESSEL, EIGHT PERSONS ON BOARD, OVERDUE
LOSAP ATOLL TO WENO ISLAND, TRUK ATOLL. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO RCC GUAM, TELEX: 392401,
PHONE: 671 339 6100, FAX: 671 339 6210.
2. CANCEL HYDROPAC 2118/02(75), SEARCH SUSPENDED.

(190950Z NOV 2002)

2145/02(94.97). EAST CHINA SEA.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ VICINITY
30-47-49N 127-26-16E AT 191246Z NOV.
VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO JAPAN COAST GUARD.

(191501Z NOV 2002)

2146/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 16-50.7N 144-07.0E
AT 191003Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(191507Z NOV 2002)

2147/02. CANCELED.

SECTION III

2148/02(74). AUSTRALIA-NORTHWEST COAST.
DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 20-35S 117-45E
AT 191443Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,
TELEX: 7162025, PHONE: 612 6230 6811, FAX: 612 6230 6868.

(191551Z NOV 2002)

2149/02 and 2150/02. CANCELED.

2151/02(22). PERU.
CHART 22160 (2ND ED).
ISLOTE PELADO LIGHT 11-26-41S 077-50-31W UNLIT.

(200155Z NOV 2002)

2152/02(22). CHILE. NAVTEX.
NAVTEX STATION PUERTO MONTT OFF AIR.

(200215Z NOV 2002)

2153/02(94). EAST CHINA SEA.
DISTRESS SIGNAL RECEIVED ON 121.5 AND 243.0 MHZ IN
23-01.8N 120-14.2E. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO PAC RCC, TELEX: 392401,
PHONE: 808 531 1112, FAX: 808 541 2123.

(200620Z NOV 2002)

2154/02(81). NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 12-34.5N 159-44.2E
AT 200145Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(200625Z NOV 2002)

2155/02(81). NORTH PACIFIC.
F/V SYUHO MARU NO. 8, EIGHT PERSONS ON BOARD, UNREPORTED.
LAST KNOWN POSITION 03-55N 155-17E ON 14 NOV. VESSELS
IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO JAPAN COAST GUARD.

(200635Z NOV 2002)

2156/02(72). JAVA SEA.
1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V GECO EAGLE TOWING 2.5 MILE LONG CABLE IN
AREA BOUND BY 05-56S 113-54E, 06-16S 113-55E,
06-22S 113-18E, 06-10S 113-12E.
2. CANCEL HYDROGRAPHIC 1695/02(71,93).

(200740Z NOV 2002)

2157/02(74). AUSTRALIA-NORTHWEST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY
M/V PACIFIC SWORD TOWING TWO 3 MILE LONG CABLES IN
AREA BETWEEN 20-00S 20-30S AND 114-30E 115-00E.
2. CANCEL HYDROGRAPHIC 2103/02.

(200810Z NOV 2002)

2158/02(97). NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 34-34N 149-44E
AT 200934Z NOV. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO JAPAN COAST GUARD.

(201220Z NOV 2002)

2159/02(92). SULU SEA.
DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN
10-25.5N 120-47.0E. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO PAC RCC, TELEX: 392401,
PHONE: 808 531 1112, FAX: 808 541 2123.

(201623Z NOV 2002)

2160/02(81). NORTH PACIFIC.
1. ODAS BUOY ADRIFT IN 04-29.5N 132-51.5E AT 192225Z NOV.
2. CANCEL HYDROGRAPHIC 2147/02.
3. CANCEL THIS MSG 27 NOV.

(201635Z NOV 2002)

SECTION III

NM 49/02

2161/02(97). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 24-37N 135-06E
AT 202157Z. VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO JAPAN COAST GUARD.

(210108Z NOV 2002)

2162/02(76). NEW ZEALAND. NORTH ISLAND-WEST COAST.

CHART 76070 (9TH ED).
OANUI PIPELINE AREA SOUTH MARKER LIGHT 39-25.7S 173-49.2E UNLIT.

(210157Z NOV 2002)

2163/02(19). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 27-37.9N 174-51.9E
AT 210125Z 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.

(210357Z NOV 2002)

2164/02(91). PHILIPPINE SEA.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN
15-44.1N 123-51.8E. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO PAC RCC, TELEX: 392401,
PHONE: 808 531 1112, FAX: 808 541 2123.

(210408Z NOV 2002)

2165/02. CANCELED.

2166/02(81,97). NORTH PACIFIC. MISSILES.

1. HAZARDOUS OPERATIONS 2300Z TO 0100Z COMMENCING
DAILY 25 AND 26 NOV IN AREA BETWEEN
23-15N 26-00N AND 160-30E 164-00E.
2. CANCEL HYDROFAC 2165/02(74,82), VESSEL LOCATED SAFE.
3. CANCEL THIS MSG 270200Z NOV.

(211025Z NOV 2002)

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 1/02 for those in-force as of 19 December 2001, 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 21 November 2002: 00-7, 01-1, 01-5, 01-7, 02-2, 02-5 and 02-7.

SPECIAL WARNINGS

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

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/02 for those in-force as of 19 December 2001.

SPECIAL WARNINGS in force 21 November 2002: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119 and 120.

MARINE INFORMATION**NEW EDITION OF COAST PILOT**

U.S. Coast Pilot 4, Atlantic Coast, Cape Henry to Key West, Thirty-Forth Edition, 2002, is ready for issue and may be obtained from:

Federal Aviation Administration
National Aeronautical Charting Office
Distribution Division, AVN-530
6303 Ivy Lane, Suite 400
Greenbelt, MD 20770-6325

and authorized sales agents of the National Ocean Service. Price \$26.00.

The 2002 Edition cancels the preceding 2001 Edition.

All corrections to the previous edition issued in Notice to Mariners are incorporated in this edition.

Mariners are encouraged to use the convenient "RECORD OF CHANGES" form on Page V of this book. All Coast Pilot changes published in the U.S. Coast Guard Local Notice to Mariners, National Imagery and Mapping Agency Notice to Mariners, and on the Internet at <http://critcorr.ncd.noaa.gov/> are serially numbered (i.e., Change No. 1, Change No. 2, etc.) to assist you in tracking the changes.

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

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

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

Ship/Organization: name of vessel or organization.

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

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

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

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

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

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

Include details about the equipment used, if deemed pertinent.

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

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

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

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

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

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

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

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

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

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

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

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

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address

Date of Observation _____ Time of Observation (Local)_____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

Latest correction applied: N.M. _____

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

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

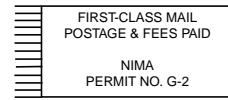
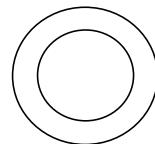
Details of Information Reported (continue on additional sheets as necessary) _____

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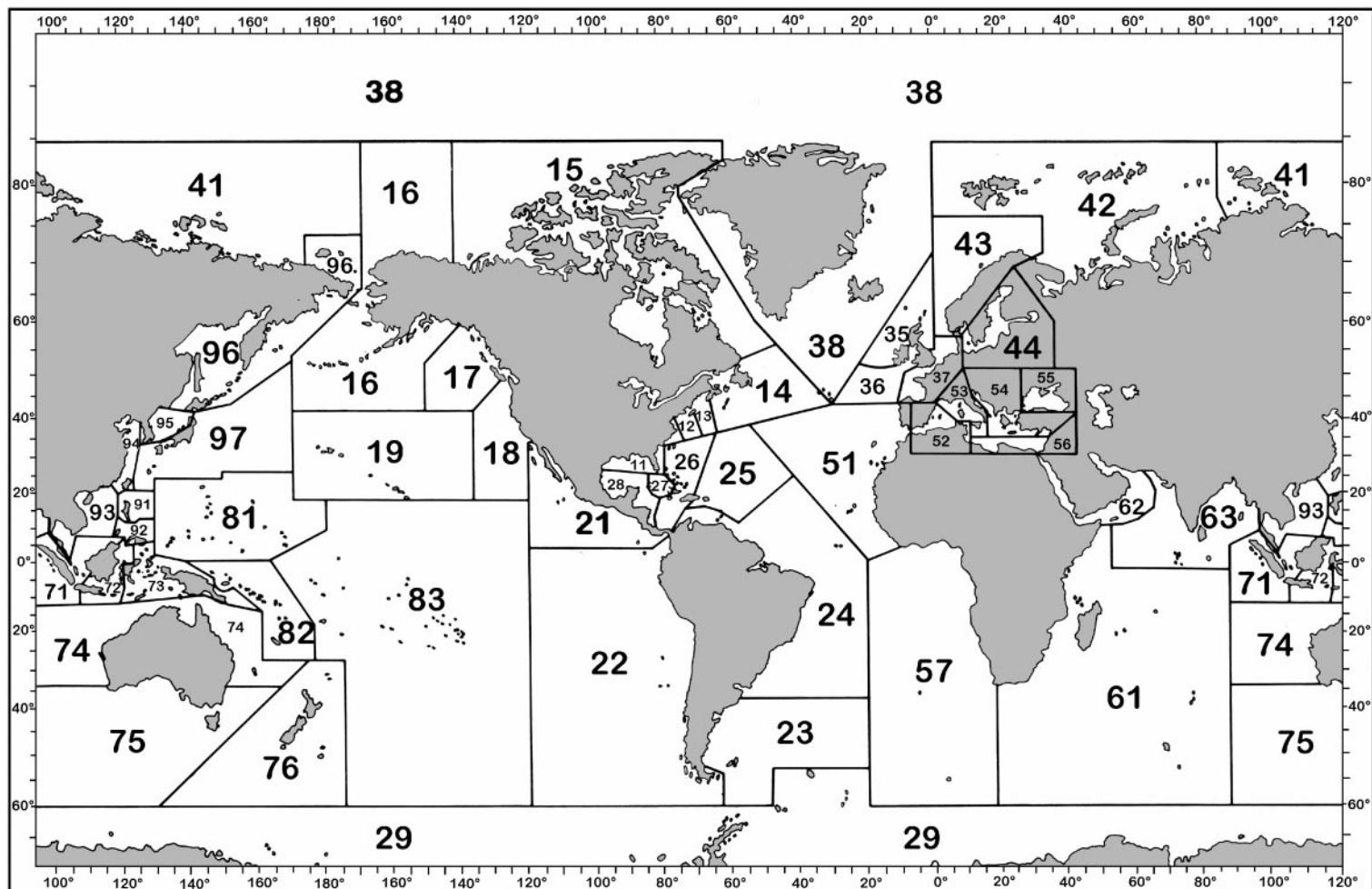
User Feedback (continue on additional sheets as necessary)



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



GEOGRAPHIC LOCATOR



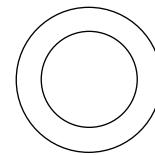
For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NIMA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions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

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

ATTN: JNAH
8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5338

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NOTICE TO
MARINERS

PLEASE EXPEDITE DELIVERY