



No. 42



17 OCTOBER 2009

UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Geospatial-Intelligence Agency

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

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Visit the Maritime Safety Web site at <http://www.nga.mil/maritime>

IMPORTANT INFORMATION

The Notice to Mariners is published by the National Geospatial-Intelligence Agency (NGA), 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 NGA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NGA/DLIS Catalog of Maps Charts and Related Products, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other products produced by the National Geospatial-Intelligence Agency, National Ocean Service and U.S. Coast Guard.

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

For further information concerning NGA hydrographic products and services, including the Maritime Safety Web site, users may contact:

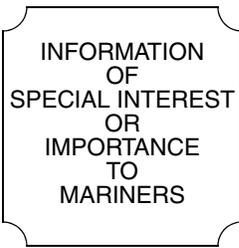
<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Division	301-227-3370	287-3370	301-227-4211
World Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Maritime Safety Web site	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3180	287-3180	301-227-3174
Navigation Publications	301-227-3120	287-3120	301-227-3731
DLA Catalog of Maps Charts and Related Products	269-961-7766	661-7766	269-961-7791

The Maritime Safety Web site can be accessed directly at <http://www.nga.mil/maritime>. For your convenience NGA provides four e-mail addresses. For information affecting Notice to Mariners use NavNotices@nga.mil, for information affecting Sailing Directions and all other navigational publications use NAVPubs@nga.mil, for information concerning the Maritime Safety Web site, use webmaster_nss@nga.mil and for information concerning the World Wide Navigational Warning Service, use NavSafety@nga.mil.

Mariners are requested to notify NGA 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:

Observer	Ship/Organization
Robert McCormick	CCGD SEVENTEEN
LCDR Eric St. Pierre	USCGC HEALY
QM2 J. Delvalle	USS SIMPSON

Cover Photo: The **USS CITY OF CORPUS CHRISTI (SSN-705)** is the eighteenth fast attack submarine of the *Los Angeles* class built at the Electric Boat Division of General Dynamics Corporation in Groton, CT and commissioned January 8, 1983. She was named for the major seaport city of Corpus Christi, TX which was founded in 1839 and is the second naval vessel to bear the name. **CITY OF CORPUS CHRISTI** was designed to seek and destroy enemy submarines and surface ships, project power ashore with Tomahawk cruise missiles and Special Operations Forces, carry out Intelligence, Surveillance and Reconnaissance (ISR) missions, support Carrier Strike Groups and engage in mine warfare. **CITY OF CORPUS CHRISTI** is 360 feet long, has a beam of 33 feet, displaces 6,900 tons, carries Tomahawk missiles and MK-48 torpedoes. In 2002 she arrived at her new homeport of Guam as the first *Los Angeles* class fast attack submarine and was the first to deploy to the western Pacific. Guam's location offers significant savings in both time and distance for submarines and provides increased days of operations, exercises and engagement to help close the gap in meeting mission and contingency response requirements. Her crew consists of 14 Officers and 123 Enlisted.



NM 42/09

HYDROGRAM

**National Geospatial-Intelligence Agency
Bethesda, MD 20816-5003**



17 October 2009

NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA RECOGNIZES TWO PAPER NAUTICAL CHART PRODUCTS: CHARTS-ON-DEMAND AND TRADITIONAL NOAA/NOS PAPER CHARTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS II AND III.

NGA CHART NEW EDITIONS AND THEIR AVAILABILITY

NGA RECOGNIZES TWO PAPER NAUTICAL CHART PRODUCTS: ENTERPRISE PRODUCT ON DEMAND-MARITIME (EPOD-M) CHARTS AND TRADITIONAL NGA PAPER CHARTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS II AND III.

NEW EDITION OF COAST PILOT

U.S. COAST PILOT 4, ATLANTIC COAST: CAPE HENRY, VIRGINIA TO KEY WEST, FLORIDA, FORTY-FIRST EDITION, 2009, IS READY FOR ISSUE. SEE SECTIONS II AND III.

AREAS TO BE AVOIDED (OCEAN CLIMATE STATION MOORINGS) IN THE NORTH PACIFIC OCEAN

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) MAINTAINS TWO OCEAN CLIMATE STATION RESEARCH MOORINGS ANCHORED IN THE NORTH PACIFIC OCEAN. SEE SECTION III FOR DETAILS.

AREAS TO BE AVOIDED (ATLAS MOORINGS) IN THE EQUATORIAL PACIFIC, ATLANTIC AND INDIAN OCEANS

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) MAINTAINS AN ARRAY OF BUOYS CALLED AUTONOMOUS TEMPERATURE LINE ACQUISITION SYSTEM (ATLAS). SEE SECTION III FOR DETAILS.

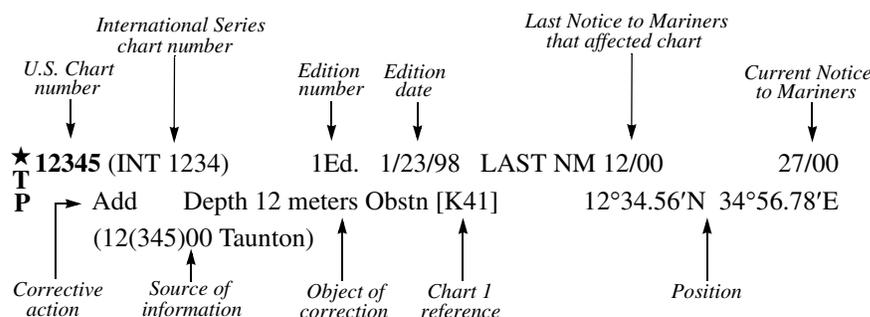
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY'S IMPLEMENTATION OF A HARDCOPY TO DIGITAL TRANSITION STRATEGY

THIS NOTICE IS A REMINDER OF THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY (NGA) HARDCOPY TO DIGITAL TRANSITION PROGRAM. SEE SECTION III FOR DETAILS.

EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NGA/DLIS Catalog of Maps Charts and Related Products, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA 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 NGA 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 NGA/DLIS Catalog of Maps Charts and Related Products, 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 NGA List of Lights.

Section II-5 lists all NGA, 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.

★11524 51Ed. 2/08 LAST NM 41/09 42/09
Delete Position circle "Tank" 32°50'55.0"N 79°56'38.0"W
(NTM0010/2009)

11525 7Ed. 3/4/06 LAST NM N33/09 N42/09
Add Dangerous wreck [K28] PA 35°13.1'N 75°20.4'W
(30/09 CG5)

★11534 36Ed. 8/09 NEW EDITION 42/09
(NOS)

★11555 40Ed. 4/06 LAST NM 25/09 42/09
Add Dangerous wreck [K28] PA 35°13'07"N 75°20'23"W
(30/09 CG5)

12200 49Ed. 6/07 LAST NM 37/09 42/09
Add Dangerous wreck [K28] PA 35°13.1'N 75°20.4'W
(30/09 CG5)

12201 26Ed. 3/11/06 LAST NM N37/09 N42/09
Add Dangerous wreck [K28] PA 35°13.1'N 75°20.4'W
(30/09 CG5)

12206 33Ed. 10/08 LAST NM 31/09 42/09
(Side A)
Delete Light "A" 36°47'07"N 76°18'23"W
Light "B" 36°46'48"N 76°18'36"W
(35/09 CG5)

★12210 38Ed. 5/08 LAST NM 39/09 42/09
(Inset)
Delete Beacon "C" 37°54'57.0"N 75°24'06.5"W
(See 21/09-12210)
(35/09 CG5)

12211 43Ed. 10/07 LAST NM 39/09 42/09
Delete Beacon "C" 37°54'57"N 75°24'06"W
(See 21/09-12211)
(35/09 CG5)

12225 58Ed. 5/09 LAST NM 40/09 42/09
Add Depth 82 feet Wk [K26] 37°45'22"N 76°10'55"W
Depth 49 feet Wk [K26] 37°43'09"N 76°10'47"W
Depth 55 feet Wk [K26] 37°44'02"N 76°12'03"W
(NOS)

★12226 18Ed. 7/09 LAST NM 39/09 42/09
Add Depth 49 feet Wk [K26] 37°43'08.5"N 76°10'47.0"W
(NOS)

★12228 32Ed. 3/08 LAST NM 40/09 42/09
Add Depth 82 feet Wk [K26] 37°45'22.3"N 76°10'55.0"W
Depth 49 feet Wk [K26] 37°43'08.5"N 76°10'47.0"W
(NOS)

★12235 32Ed. 5/08 LAST NM 38/09 42/09
Add Depth 82 feet Wk [K26] 37°45'22.3"N 76°10'55.0"W
Depth 49 feet Wk [K26] 37°43'08.5"N 76°10'47.0"W
Depth 55 feet Wk [K26] 37°44'01.7"N 76°12'03.3"W
(NOS)

★12253 46Ed. 8/08 LAST NM 31/09 42/09
Delete Light "A" 36°47'06.8"N 76°18'22.8"W
Light "B" 36°46'48.0"N 76°18'36.2"W
(35/09 CG5)

12280 9Ed. 6/09 LAST NM 41/09 42/09
(Right Panel)
Add Depth 82 feet Wk [K26] 37°45.4'N 76°10.9'W
Depth 49 feet Wk [K26] 37°43.1'N 76°10.8'W
Depth 55 feet Wk [K26] 37°44.0'N 76°12.1'W
(NOS)

12327 102Ed. 6/09 LAST NM 39/09 42/09
Delete Buoy "15" 40°28'46"N 74°01'02"W
(38/09 CG1)

13205 38Ed. 2/07 LAST NM 39/09 42/09
Delete Buoy "3" 41°09'20"N 71°32'29"W
Buoy "1" 41°08'55"N 71°32'48"W
Note: Wreck remains
(38/09 CG1)

13215 18Ed. 8/04 LAST NM 39/09 42/09
Delete Buoy "3" 41°09'20"N 71°32'28"W
Buoy "1" 41°08'54"N 71°32'48"W
(38/09 CG1)

★13217 15Ed. 11/06 LAST NM 1/07 42/09
Delete Buoy "3" 41°09'19.9"N 71°32'28.5"W
Buoy "1" 41°08'54.2"N 71°32'48.2"W
(38/09 CG1)

13218 40Ed. 2/08 LAST NM 39/09 42/09
Delete Buoy "3" 41°09'20"N 71°32'28"W
Buoy "1" 41°08'54"N 71°32'50"W
Note: Wreck remains
(38/09 CG1)

13288 42Ed. 4/07 LAST NM 41/09 42/09
Change Visibility (range) of light to 6M 43°49'31"N 69°38'25"W
Note: Sectors remain unchanged
(38/09 CG1)

13293 34Ed. 12/04 LAST NM 36/09 42/09
Change Visibility (range) of light to 6M 43°49'31"N 69°38'25"W
Note: Sectors remain unchanged
(38/09 CG1)

★13296 25Ed. 7/14/01 LAST NM 36/09 42/09
Change Visibility (range) of light to 6M 43°49'30.7"N 69°38'24.8"W
Note: Sectors remain unchanged
(38/09 CG1)

★14832 34Ed. 10/02 LAST NM 4/09 42/09
Delete Depth 20 feet 43°01'10.7"N 78°53'34.0"W
Depth 17 feet 43°02'08.2"N 78°53'16.2"W
Substitute Depth 12 feet for 14 feet 43°02'11.1"N 78°53'18.5"W
Change Legend to "21 FT AUG 2008" 42°58'07.5"N 78°56'01.0"W
Legend to "21 FT AUG 2008" 42°59'19.7"N 78°56'43.7"W
Legend to "21 FT AUG 2008" 43°00'46.9"N 78°54'28.8"W
Add Depth 3 feet 42°52'52.5"N 78°53'43.1"W
Depth 3 feet 42°52'56.3"N 78°53'40.4"W
Depth 14 feet 43°02'07.3"N 78°53'16.3"W
Depth 17 feet 43°02'17.5"N 78°53'23.3"W
Tabulation of controlling depths from
Subsection I-2
(Supersedes 47/08-14832)
(NOS)

★14833 26Ed. 2/04 LAST NM 4/09 42/09
Add Depth 3 feet 42°52'52.5"N 78°53'43.1"W
Depth 3 feet 42°52'56.3"N 78°53'40.4"W
Depth 4 feet 42°53'37.9"N 78°54'02.3"W
Tabulation of controlling depths from
Subsection I-2
(Supersedes 47/08-14833)
(NOS)

★14932 23Ed. 4/03 LAST NM 29/09 42/09
Change Legend to "14 1/2 FT OCT 2008 - MAY 2009" 42°47'31.2"N 86°07'05.9"W
Legend to "15 FT OCT 2008 - MAY 2009" 42°47'32.8"N 86°07'08.4"W
(See 10/09-14932)
(NOS)

14961 12Ed. 11/03 LAST NM 40/09 42/09
Change Visibility (range) of light to 12 St M 47°25.3'N 87°35.2'W
(38/09 CG9)

SECTION I

NM 42/09

★14964	21Ed. 3/04	LAST NM 40/09	42/09	58°10'33"N 134°09'38"W
	Change	Visibility (range) of light to 12 St M		58°11'37"N 134°06'18"W
	(38/09	CG9)	47°25'13"N 87°35'15"W	
16016	21Ed. 10/07	LAST NM 36/09	42/09	Submarine cable [L30.1] joining
	Add	Submarine cable [L30.1] joining	54°59.3'N 131°53.4'W	58°17'09"N 134°40'25"W
			54°39.9'N 131°53.0'W	58°17'08"N 134°40'47"W
			54°30.2'N 132°09.2'W	58°17'06"N 134°41'02"W
			54°35.5'N 133°15.0'W	58°17'26"N 134°41'48"W
			54°30.8'N 134°24.4'W	58°18'48"N 134°42'50"W
			54°26.1'N 133°59.3'W	58°19'17"N 134°42'33"W
			54°26.6'N 134°44.9'W	58°20'17"N 134°42'55"W
			54°38.9'N 135°43.9'W	58°21'53"N 134°45'00"W
			54°50.1'N 137°51.9'W	
			54°59.4'N 138°40.1'W	Submarine cable [L30.1] between
			54°53.2'N 139°01.3'W	58°11'08"N 134°11'14"W
	(NOS)			58°11'36"N 134°12'39"W
★17300	31Ed. 9/05	LAST NM 35/09	42/09	(Inset)
	Add	Submarine cable [L30.1] joining	58°17.1'N 134°40.4'W	Add
			58°17.1'N 134°41.0'W	Submarine cable [L30.1] between
			58°17.4'N 134°41.8'W	58°16'43.5"N 134°23'22.0"W
			58°18.8'N 134°42.8'W	58°16'39.0"N 134°23'21.6"W
			58°19.3'N 134°42.5'W	(NOS)
			58°20.3'N 134°42.9'W	
			58°21.1'N 134°43.8'W	★17316
			58°22.3'N 134°45.9'W	20Ed. 4/20/02
				LAST NM 35/09
				42/09
				Add
				Submarine cable [L30.1] joining
				58°17'09"N 134°40'27"W
				58°17'06"N 134°40'59"W
				58°17'26"N 134°41'48"W
				58°18'48"N 134°42'50"W
				58°19'19"N 134°42'32"W
				58°20'17"N 134°42'55"W
				58°21'07"N 134°43'46"W
				58°22'20"N 134°45'55"W
				Submarine cable [L30.1] joining
				58°22'56"N 134°46'51"W
				58°23'23"N 134°47'14"W
				58°24'07"N 134°47'02"W
				(NOS)
★17320	18Ed. 3/08	LAST NM 37/09	42/09	
	Add	Submarine cable [L30.1] joining	57°30.0'N 134°35.1'W	
			57°30.8'N 134°38.4'W	
			57°34.1'N 134°42.2'W	
			57°36.4'N 134°42.5'W	
			57°38.4'N 134°45.9'W	
			57°47.8'N 134°48.1'W	
			57°50.5'N 134°46.6'W	
			57°52.0'N 134°46.9'W	
				Submarine cable [L30.1] joining
				57°30.1'N 134°35.1'W
				57°30.3'N 134°36.5'W
				57°30.3'N 134°38.3'W
				57°26.9'N 134°46.8'W
				57°26.8'N 134°59.9'W
				57°26.4'N 135°02.6'W
				57°27.5'N 135°06.9'W
				57°33.1'N 135°18.3'W
				57°35.0'N 135°25.3'W
				57°35.1'N 135°27.2'W
				57°32.9'N 135°32.3'W
				57°31.0'N 135°33.9'W
				(NOS)
★17311	1Ed. 4/29/00	LAST NM 29/08	42/09	★17323
	Add	Submarine cable [L30.1] between	57°47'23"N 133°49'30"W	12Ed. 10/06
			57°40'15"N 133°45'36"W	LAST NM 50/06
				42/09
				Add
				Submarine cable [L30.1] joining
				57°24'17.6"N 135°36'36.3"W
				57°24'24.8"N 135°36'45.1"W
				57°24'57.9"N 135°35'55.7"W
				57°25'20.4"N 135°35'44.7"W
				57°25'26.1"N 135°35'14.6"W
				57°25'55.5"N 135°34'43.8"W
				57°26'32.4"N 135°34'39.7"W
				57°27'01.5"N 135°33'34.4"W
				57°27'10.1"N 135°32'19.6"W
				57°27'26.7"N 135°32'09.7"W
				57°27'51.4"N 135°32'42.6"W
				57°28'47.4"N 135°32'31.8"W
				57°29'54.0"N 135°32'59.4"W
				57°30'59.5"N 135°33'54.7"W
				57°33'21.2"N 135°31'29.8"W
				57°33'51.0"N 135°29'50.4"W
				57°35'07.7"N 135°27'14.1"W
				57°35'08.3"N 135°26'07.3"W
				57°32'53.8"N 135°32'19.3"W
				(continued on next page)
★17315	24Ed. 11/06	LAST NM 35/09	42/09	
	Add	Submarine cable [L30.1] joining	58°09'00"N 134°07'16"W	
			58°10'28"N 134°09'20"W	

17323 (Continued)
 Submarine cable [L30.1] joining
 57°24'12.7"N 135°36'28.0"W
 57°24'09.5"N 135°36'22.5"W
 57°23'41.1"N 135°36'08.8"W
 57°23'09.0"N 135°35'59.5"W
 57°22'54.0"N 135°36'08.0"W
 57°22'48.5"N 135°36'45.3"W
 57°22'57.7"N 135°38'27.3"W
 57°22'30.4"N 135°41'06.6"W
 57°21'48.4"N 135°42'14.5"W
 57°21'34.5"N 135°42'13.7"W
 57°20'10.1"N 135°40'47.3"W
 57°18'28.7"N 135°37'42.9"W

Add **(Inset Sergius...Strait)**
 Submarine cable [L30.1] joining
 57°24'17.6"N 135°36'36.3"W
 57°24'24.8"N 135°36'45.1"W
 57°24'30.8"N 135°36'42.7"W
 57°24'57.9"N 135°35'55.7"W
 57°25'10.1"N 135°35'49.7"W

Submarine cable [L30.1] joining
 57°24'12.7"N 135°36'28.0"W
 57°24'09.5"N 135°36'22.5"W
 57°24'00.6"N 135°36'21.0"W
 57°23'41.1"N 135°36'08.8"W
 57°23'09.0"N 135°35'59.5"W
 57°23'05.0"N 135°36'01.9"W

(NOS)

★17324 15Ed. 3/07 LAST NM 21/09 42/09
 Add Submarine cable [L30.1] joining
 57°16'51"N 135°36'02"W
 57°17'13"N 135°36'27"W
 57°18'05"N 135°36'51"W
 57°20'10"N 135°40'47"W
 57°21'34"N 135°42'14"W
 57°21'48"N 135°42'14"W
 57°21'59"N 135°41'57"W

Submarine cable [L30.1] joining
 57°05'26"N 135°23'22"W
 57°05'24"N 135°23'58"W
 57°05'51"N 135°24'51"W
 57°06'47"N 135°25'07"W
 57°08'26"N 135°24'13"W
 57°10'37"N 135°26'35"W
 57°12'11"N 135°29'15"W
 57°12'32"N 135°29'33"W
 57°12'53"N 135°30'24"W
 57°13'42"N 135°31'32"W
 57°14'03"N 135°32'28"W
 57°13'58"N 135°33'17"W
 57°14'11"N 135°33'35"W
 57°14'31"N 135°33'44"W

Add **(Inset)**
 Submarine cable [L30.1] joining
 57°17'37.7"N 135°36'38.7"W
 57°17'12.6"N 135°36'26.9"W
 57°16'47.7"N 135°36'01.0"W
 57°16'30.4"N 135°35'36.4"W
 57°16'15.5"N 135°35'30.3"W
 57°15'03.1"N 135°34'07.7"W
 57°14'58.4"N 135°33'53.7"W
 57°14'53.5"N 135°33'48.6"W
 57°14'46.6"N 135°33'50.8"W
 57°14'10.7"N 135°33'34.6"W
 57°13'57.9"N 135°33'16.5"W
 57°13'59.8"N 135°32'56.6"W

(NOS)

★17338 14Ed. 6/05 LAST NM 34/05 42/09
 Add Submarine cable [L30.1] joining
 57°34'40"N 135°28'25"W
 57°35'08"N 135°27'14"W
 57°35'03"N 135°25'16"W
 57°33'08"N 135°18'19"W
 57°27'27"N 135°06'54"W
 57°26'27"N 135°02'34"W
 57°26'47"N 134°59'52"W
 57°26'43"N 134°57'12"W
 57°27'04"N 134°52'34"W
 57°26'58"N 134°50'53"W
 57°26'43"N 134°49'54"W
 57°26'53"N 134°46'40"W

(NOS)

★17339 12Ed. 8/07 LAST NM 25/09 42/09
 Add Submarine cable [L30.1] joining
 57°30'04.2"N 134°35'19.6"W
 57°30'08.0"N 134°35'54.7"W
 57°30'26.4"N 134°36'30.3"W
 57°30'37.7"N 134°37'37.1"W

Submarine cable [L30.1] joining
 57°30'05.1"N 134°35'18.7"W
 57°30'06.0"N 134°35'53.7"W
 57°30'19.0"N 134°36'32.0"W
 57°30'17.5"N 134°37'37.3"W

(NOS)

★17375 21Ed. 4/04 LAST NM 8/09 42/09
(Continuation)
 Add Submarine cable [L30.1] joining
 56°49'10.3"N 132°55'36.6"W
 56°49'44.6"N 132°54'25.0"W
 56°51'20.9"N 132°53'16.3"W
 56°51'35.7"N 132°53'19.0"W

(NOS)

★17382 17Ed. 4/07 LAST NM 21/08 42/09
 Add Submarine cable [L30.1] between
 56°19'13"N 132°35'59"W
 56°18'08"N 132°36'32"W

Submarine cable [L30.1] joining
 56°11'18"N 132°45'25"W
 56°10'56"N 132°45'41"W
 56°10'17"N 132°45'39"W

Submarine cable [L30.1] joining
 56°27'16"N 132°23'15"W
 56°27'19"N 132°23'30"W
 56°27'15"N 132°28'04"W
 56°26'59"N 132°29'31"W

Submarine cable [L30.1] between
 56°25'41"N 132°32'40"W
 56°24'26"N 132°34'27"W

Submarine cable [L30.1] joining
 56°24'01"N 132°34'43"W
 56°20'46"N 132°35'10"W
 56°20'18"N 132°35'25"W

Submarine cable [L30.1] between
 56°17'32"N 132°36'51"W
 56°16'57"N 132°37'09"W

Submarine cable [L30.1] joining
 56°07'01"N 132°45'49"W
 56°05'27"N 132°46'26"W
 56°05'08"N 132°46'22"W

Submarine cable [L30.1] joining
 56°04'26"N 132°46'12"W
 56°03'13"N 132°45'55"W
 55°58'00"N 132°41'06"W

Submarine cable [L30.1] between
 56°29'32"N 132°37'05"W
 56°28'06"N 132°32'28"W

Submarine cable [L30.1] joining
 56°27'58"N 132°32'00"W
 56°27'43"N 132°31'07"W
 56°27'34"N 132°25'43"W
 56°27'20"N 132°23'29"W
 56°27'17"N 132°23'15"W

(NOS)

★17383 3Ed. 10/05 LAST NM 51/05 42/09
 Add Submarine cable [L30.1] joining
 56°13'57.4"N 132°44'09.5"W
 56°13'54.4"N 132°44'18.5"W
 56°13'47.1"N 132°44'24.8"W

Submarine cable [L30.1] joining
 56°11'07.3"N 132°45'33.1"W
 56°10'55.9"N 132°45'41.5"W
 56°10'38.5"N 132°45'39.9"W

(NOS)

SECTION I

NM 42/09

- ★17384 9Ed. 7/08 LAST NM 36/08 42/09
Add Submarine cable [L30.1] joining
56°27'14.5"N 132°23'11.1"W
56°27'15.7"N 132°23'16.8"W
56°27'19.9"N 132°23'28.7"W
56°27'34.2"N 132°25'43.3"W
56°27'43.0"N 132°31'05.6"W
Submarine cable [L30.1] joining
56°27'14.4"N 132°23'11.2"W
56°27'15.2"N 132°23'16.3"W
56°27'19.2"N 132°23'29.6"W
56°27'15.0"N 132°28'03.5"W
56°26'41.5"N 132°31'05.6"W
(NOS)
- 17385 16Ed. 9/06 LAST NM 20/09 42/09
Add Submarine cable [L30.1] joining 56°27'15"N 132°23'11"W
56°27'20"N 132°23'29"W
56°27'30"N 132°25'00"W
Submarine cable [L30.1] joining 56°27'15"N 132°23'11"W
56°27'19"N 132°23'30"W
56°27'18"N 132°25'00"W
(NOS)
- 17400 17Ed. 3/07 LAST NM 37/09 42/09
Add Submarine cable [L30.1] joining 54°30.0'N 135°00.0'W
54°26.6'N 134°44.9'W
54°26.7'N 134°42.5'W
54°29.8'N 134°34.0'W
54°30.8'N 134°24.4'W
54°26.1'N 133°59.3'W
54°30.0'N 133°32.0'W
54°35.5'N 133°15.0'W
54°35.2'N 133°00.0'W
54°30.4'N 132°29.4'W
54°30.3'N 132°15.2'W
(NOS)
- ★17420 28Ed. 3/07 LAST NM 33/09 42/09
Add Submarine cable [L30.1] joining 55°34.2'N 132°12.0'W
55°35.3'N 132°14.4'W
55°48.0'N 132°27.0'W
55°56.0'N 132°36.5'W
55°58.0'N 132°41.2'W
56°02.4'N 132°45.2'W
Submarine cable [L30.1] joining 54°32.9'N 132°45.2'W
54°30.4'N 132°29.4'W
54°30.2'N 132°09.2'W
54°34.8'N 131°58.1'W
54°39.9'N 131°53.0'W
55°09.8'N 131°53.5'W
55°19.6'N 131°54.8'W
55°26.3'N 131°58.8'W
55°27.6'N 131°56.5'W
(NOS)
- 17422 9Ed. 2/06 LAST NM 6/07 42/09
Add Submarine cable [L30.1] joining 55°27'38"N 131°56'25"W
55°27'17"N 131°57'54"W
55°26'17"N 131°58'46"W
55°24'00"N 131°57'42"W
(NOS)
- ★17426 15Ed. 10/06 LAST NM 22/08 42/09
Add Submarine cable [L30.1] between 55°29'31.1"N 132°04'06.3"W
55°30'48.1"N 132°05'57.1"W
Submarine cable [L30.1] joining 55°34'39.2"N 132°12'59.0"W
55°35'16.8"N 132°14'22.1"W
55°36'33.6"N 132°15'38.3"W
(NOS)
- ★17432 7Ed. 4/04 LAST NM 23/04 42/09
Add Submarine cable [L30.1] joining 55°10'29"N 131°53'38"W
55°09'49"N 131°53'33"W
54°54'29"N 131°53'16"W
(NOS)
- ★17433 11Ed. 5/04 LAST NM 17/08 42/09
Add Submarine cable [L30.1] between 54°55'20"N 131°53'17"W
54°54'05"N 131°53'16"W
Submarine cable [L30.1] between 54°39'40"N 131°53'16"W
54°38'51"N 131°54'05"W
(NOS)
- ★17436 9Ed. 11/06 LAST NM 3/07 42/09
Add Submarine cable [L30.1] joining 55°27'37"N 131°56'27"W
55°27'17"N 131°57'54"W
55°26'17"N 131°58'46"W
55°25'02"N 131°58'23"W
55°19'34"N 131°54'50"W
55°10'14"N 131°53'36"W
(NOS)
- 17438 12Ed. 1/28/95 LAST NM 33/09 42/09
Change Light to Fl 6s 7m 3M 54°21'38"N 130°29'55"W
(Can LL)
- 17445 2Ed. 1/28/95 LAST NM 32/09 42/09
Change Light to Fl 6s 7m 3M 54°21'33"N 130°29'56"W
Add Light Q 8m 3M 54°06'58"N 130°20'47"W
Light Fl 4s 9m 3M 54°06'09"N 130°19'59"W
(6(3957)06 Ottawa; Can LL)
- 17546 22Ed. 10/29/94 LAST NM 34/09 42/09
Change Light to Fl 4s 10m 7M 48°54.6'N 125°28.3'W
(Can LL)
- 18005 5Ed. 9/22/07 LAST NM N41/09 N42/09
Change Period of buoy "28" to 4s 37°47.6'N 123°10.7'W
(See N11/09-18005)
(USCG LL)
- 18007 33Ed. 2/09 LAST NM 34/09 42/09
Change Period of buoy "28" to 4s 37°47.6'N 123°10.7'W
(USCG LL)
- 18008 8Ed. 7/28/07 LAST NM N33/09 N42/09
Change Period of buoy "28" to 4s 37°47.6'N 123°10.7'W
(See N11/09-18008)
(USCG LL)
- 18009 3Ed. 9/22/07 LAST NM N28/09 N42/09
Change Period of buoy "28" to 4s 37°47.6'N 123°10.7'W
(See N11/09-18009)
(USCG LL)
- 18010 21Ed. 3/07 LAST NM 34/09 42/09
Change Period of buoy "28" to 4s 37°47.6'N 123°10.7'W
(See 11/09-18010)
(USCG LL)
- 18020 38Ed. 10/07 LAST NM 37/09 42/09
Change Period of buoy "28" to 4s 37°47.6'N 123°10.7'W
(See 11/09-18020)
(USCG LL)
- 18022 35Ed. 8/05 LAST NM 37/09 42/09
Change Period of buoy "28" to 4s 37°47.6'N 123°10.7'W
(See 11/09-18022)
(USCG LL)
- 18400 48Ed. 12/08 LAST NM 40/09 42/09
Add Buoy Y, QY (Priv) 48°06.9'N 123°02.0'W
(38/09 CG13)
- 18423 36Ed. 7/07 LAST NM 41/09 42/09
(Page D, Inset 8)
Add Danger circle "Obstn" [K40] 48°26'08.3"N 122°52'16.6"W

(continued on next page)

25001	7Ed. 8/11/01 LAST NM 31/09	42/09	★37013	Ed. 11/23/00 CHART CANCELED	N42/09
Add	Depth 7 meters, blue tint and enclosing depth contour (10-meter) centered	10°25.1'N 65°00.4'W	(NTM0008/2009)		
25400	2Ed. 2/7/04 LAST NM 36/08	42/09	★37014	1Ed. 5/7/09 CHART CANCELED	N42/09
Add	Depth 26 meters enclosed by depth contour (30-meter) centered	10°39.8'N 61°50.6'W	(NTM0008/2009)		
25613	3Ed. 2/7/04 LAST NM 11/08	42/09	★37018	1Ed. 4/20/06 CHART CANCELED	N42/09
(Plan)			(NTM0008/2009)		
Add	Light QR	18°00'21.0"N 63°02'43.8"W	★37022	1Ed. 9/29/05 CHART CANCELED	N42/09
(See 25/04-25613)			(NTM0008/2009)		
(36(421)09 's-Gravenhage)			★37023	1Ed. 2/24/05 CHART CANCELED	N42/09
26130	20Ed. 1/7/95 LAST NM 22/09	42/09	(NTM0008/2009)		
(Plan E)			★37026	Ed. 5/17/01 CHART CANCELED	N42/09
Add	Pilot station symbol [T1.1]	18°26'01.8"N 77°07'07.8"W	(NTM0008/2009)		
(BA CH 464)			★37029	Ed. 6/29/00 CHART CANCELED	N42/09
28201	8Ed. 4/22/95 LAST NM 24/95	42/09	(NTM0008/2009)		
Add	Light Fl R 5s 7m 6M	20°49'40.7"N 86°53'21.3"W	44046	10Ed. 7/13/96 LAST NM 49/08	42/09
Light Fl G 5s 10m 6M		20°49'41.9"N 86°53'24.0"W	Add	Buoy BYB, spar, double cone topmark	
Light Fl R 5s 5m 4M		20°49'45.5"N 86°53'21.8"W	bases together [Q130.3]	56°11'53"N 10°17'16"E	
Light Fl Y 2s 5m 4M		20°49'46.6"N 86°53'22.6"W	(19(403)09 Kobenhavn)		
Light Iso R 2s 5m 4M		20°49'47.3"N 86°53'23.3"W	44064	19Ed. 6/29/96 LAST NM 26/09	42/09
(8(163-167)09 Mexico, D.F.)			Add	Light Q to buoy	54°51.3'N 10°56.9'E
28263	3Ed. 10/22/94 LAST NM 14/09	42/09	(Dan CH 142)		
Relocate	Buoy from 18°40'09"N 91°53'59"W to	18°40'20"N 91°54'02"W	★44067	23Ed. 8/8/09 NEW EDITION	42/09
(8(VI)09 Mexico, D.F.)			(NGA)		
28264	3Ed. 10/29/94 LAST NM 6/09	42/09	44068	11Ed. 5/18/96 LAST NM 30/09	42/09
Relocate	Buoy from 18°40'08.8"N 91°53'58.8"W to	18°40'20.0"N 91°54'02.0"W	Delete	Buoy "Mess-G"	55°06.0'N 13°04.7'E
(8(VI)09 Mexico, D.F.)			Buoy "Mess-G"	55°05.0'N 13°05.0'E	
28320	6Ed. 11/21/98 LAST NM 14/09	42/09	Buoy "Mess-G"	55°04.0'N 13°04.3'E	
Relocate	Buoy from 22°16.4'N 97°44.3'W to	22°16.7'N 97°44.5'W	Buoy "Mess-G"	55°01.5'N 13°09.0'E	
(See 6/09-28320)			Add	Buoy Y, spar, "X" topmark	55°04.0'N 13°04.8'E
(8(VI)09 Mexico, D.F.)			(273(5859)09 Norrkoping)		
28323	2Ed. 11/12/94 LAST NM 21/09	42/09	44100	7Ed. 3/9/96 LAST NM 28/09	42/09
Relocate	Buoy from 22°16'25"N 97°44'15"W to	22°16'44"N 97°44'30"W	Delete	Buoy "Mess-G"	55°06.0'N 13°04.7'E
(See 6/09-28323)			Buoy "Mess-G"	55°05.0'N 13°05.0'E	
(8(VI)09 Mexico, D.F.)			Buoy "Mess-G"	55°04.0'N 13°04.3'E	
28325	2Ed. 12/10/94 LAST NM 6/09	42/09	Buoy "Mess-G"	55°01.5'N 13°09.0'E	
(Panel A)			Add	Buoy Y, spar, "X" topmark	55°04.0'N 13°04.8'E
Relocate	Buoy from 22°16'25.0"N 97°44'15.0"W to	22°16'44.0"N 97°44'30.0"W	(273(5859)09 Norrkoping)		
(See 6/09-28325)			★44182	5Ed. 7/18/09 NEW EDITION	N42/09
(8(VI)09 Mexico, D.F.)			(NGA)		
28330	2Ed. 3/20/99 LAST NM 8/09	42/09	★44185	8Ed. 7/18/09 NEW EDITION	N42/09
Add	Light Fl(2) 10s 25m 10M	24°29.2'N 97°44.5'W	(NGA)		
(8(VI)09 Mexico, D.F.)			44187	2Ed. 2/3/96 LAST NM 49/07	42/09
★37001	Ed. 12/12/02 CHART CANCELED	N42/09	Substitute	Depth 10.7 meters for 14 meters	59°48'09"N 19°13'34"E
(NTM0008/2009)			Depth 3.2 meters for 15 meters	59°45'58"N 19°14'17"E	
★37002	Ed. 2/28/02 CHART CANCELED	N42/09	Add	Depth 9.9 meters	59°48'04"N 19°17'37"E
(NTM0008/2009)			Depth 5.3 meters	59°48'24"N 19°15'47"E	
★37009	Ed. 5/24/01 CHART CANCELED	N42/09	Depth 9 meters	59°45'08"N 19°13'28"E	
(NTM0008/2009)			(273(3522)09 Norrkoping)		
★37011	Ed. 11/18/04 CHART CANCELED	N42/09	44192	1Ed. 12/18/93 LAST NM 48/07	42/09
(NTM0008/2009)			Add	Dangerous submerged rock [K13]	59°26'17"N 17°39'48"E
★37012	1Ed. 12/29/05 CHART CANCELED	N42/09	(273(5856)09 Norrkoping)		
(NTM0008/2009)			53161	8Ed. 3/30/96 LAST NM 38/09	42/09
			Change	Characteristic of light to Fl RG	40°50'14"N 14°16'45"E
			(Ital LL)		

SECTION I

NM 42/09

53162	7Ed. 9/14/02	LAST NM 22/09	42/09	55047	8Ed. 9/16/00	LAST NM 40/09	42/09
	Delete	Height from light	40°48'37.0"N 14°19'58.9"E		Delete	SIREN from light	40°58'05.0"N 29°01'54.6"E
	Change	Characteristic of light to Fl RG	40°50'15.2"N 14°16'45.5"E		Change	Light to Fl G 3s 15m 8M Racon (G)	41°00'33.0"N 29°00'07.0"E
	(Ital LL)				Add	Purple circle and legend "AIS" to light	41°00'02.5"N 28°57'54.5"E
53164	9Ed. 11/23/96	LAST NM 16/09	42/09		(26(108)07, 2(8), 33(167)08	Istanbul; BA LL)	
	Change	Characteristic of light to 2 F RG	40°50'31.9"N 14°16'32.4"E	74397	1Ed. 8/22/03	LAST NM N48/08	N42/09
		Light to Fl RG 4s 7m 5M with sectors red			Change	Characteristic of buoy to Fl 2.5s	12°29.74'S 130°52.33'E
		298°-175°, green -032°	40°50'14.2"N 14°16'45.9"E		(23(1154)06	Wollongong)	
	Add	Obscured sector 102°-233° to light	40°49'58.2"N 14°16'19.8"E	76081	7Ed. 9/22/90	LAST NM 22/09	42/09
	(Ital LL)				Change	Characteristic of light to L Fl G 5s	41°16'21"S 173°59'48"E
53166	1Ed. 7/20/91	LAST NM 38/09	42/09		(See 22/09-76081)		
	Change	Light to Fl R 5s 8m 3M	40°41'45.6"N 14°28'30.6"E		(Plan B)		
		(Plan A)			Change	Characteristic of light to L Fl G 5s	41°16'21.0"S 173°59'48.0"E
	Change	Light to Fl R 5s 8m 3M	40°41'45.6"N 14°28'30.6"E		(19(181)09	Wellington)	
	(15(7)09	Genova)		95060	14Ed. 10/28/06	LAST NM 28/09	42/09
53279	4Ed. 6/17/06	LAST NM 3/09	42/09		Add	Light Fl G 4s 17m 6M	36°44'48"N 126°07'37"E
	Delete	Light	41°12'49.2"N 9°25'58.5"E		(3(67)09	Inchon)	
	(16(6)09	Genova)		95080	14Ed. 9/22/07	LAST NM 40/09	42/09
53285	4Ed. 10/22/94	LAST NM 3/09	42/09		Add	Light Fl G 4s 17m 6M	36°44.8'N 126°07.6'E
	Delete	Light	41°12'49.2"N 9°25'57.0"E		(3(67)09	Inchon)	
	(16(6)09	Genova)		95103	8Ed. 5/18/96	LAST NM 32/09	42/09
53287	(INT 3350)	6Ed. 9/30/95	LAST NM 3/09	42/09	Change	Light to Fl R 5s 21m 8M Racon (C)	33°31'59"N 126°32'28"E
	Delete	Light	41°12'52"N 9°26'02"E		(ROK CH 244)		
	(16(6)09	Genova)		95142	9Ed. 12/15/01	LAST NM 49/08	42/09
54090	3Ed. 9/14/02	LAST NM 41/09	42/09		(Plan A)		
	Delete	Light	40°30.3'N 19°16.1'E		Change	Beacon "8" to R, cone topmark, Fl R 5s 8m 8M	34°50'10.2"N 128°24'58.8"E
	Add	Light Fl(4) 15s 157m 14M	40°30.7'N 19°16.2'E		(ROK CH 238; BA LL)		
	(15(15)09	Genova)		95161	16Ed. 9/8/01	LAST NM 41/09	42/09
54266	2Ed. 4/15/95	LAST NM 17/08	42/09		Change	Superbuoy SBM "D" to W BuW, Q(2) 6s Horn	35°25'20.1"N 129°23'06.1"E
	Delete	Light and sector limits	40°30'15"N 19°16'04"E		(ROK CH 119)		
	Add	Light Fl(4) 15s 157m 14M with		95169	2Ed. 2/26/94	LAST NM 41/09	42/09
		obscured sector 318°-065°	40°30'44"N 19°16'14"E		Add	Beacon "A" Y, "X" topmark, Fl(4) Y 8s 7m 7M	38°12'19.7"N 128°35'37.5"E
	(15(15)09	Genova)			[Q130.6]		
	(2(43)09	Inchon)		95281	15Ed. 1/17/98	LAST NM 22/08	42/09
55040	4Ed. 7/31/99	LAST NM 40/09	42/09		Relocate	Position circle "Y Lt" from	
	Change	Characteristic of light to Fl 6s	40°57.8'N 27°53.8'E			35°40'46.3"N 136°03'45.2"E to	35°40'46.5"N 136°03'37.0"E
	Add	Light FR 8M	40°51.9'N 27°27.7'E		Substitute	Double solid line with land tint (breakwater	
	(12(52)05, 33(148)07	Istanbul; BA LL)				extension) for double dashed line between	
55042	1Ed. 4/12/86	LAST NM 39/09	42/09			35°40'46.3"N 136°03'45.2"E	
	Change	Characteristic of light to Fl 6s	40°57'38"N 27°53'47"E			35°40'46.5"N 136°03'37.0"E	
	(33(148)07	Istanbul; BA LL)			(Plan)		
55045	2Ed. 5/17/86	LAST NM 38/09	42/09		Relocate	Position circle "Y Lt" from	
	Change	Characteristic of light to Fl 6s	40°57'38"N 27°53'47"E			35°40'46.3"N 136°03'45.2"E to	35°40'46.5"N 136°03'37.0"E
	Add	Light FR 7m 8M	40°51'53"N 27°27'43"E		Substitute	Double solid line with land tint (breakwater	
	(12(52)05, 33(148)07	Istanbul; BA LL)				extension) for double dashed line between	
						35°40'46.3"N 136°03'45.2"E	
						35°40'46.5"N 136°03'37.0"E	
55046	4Ed. 11/30/96	LAST NM 40/09	42/09		(Jpn CH W117)		
	Change	Light to Fl R 2s 6m 5M AIS	40°57'03"N 29°05'35"E	95341	9Ed. 11/29/08	LAST NM N41/09	N42/09
		Light to Fl R 3s 15m 8M Racon (G)	41°00'30"N 29°00'12"E		Change	Height of light to 13m	33°55'59.0"N 130°43'50.0"E
	Add	Light FG 5m 5M	40°49'08"N 29°15'57"E		(Jpn LL)		
		Light FG 5m 5M	40°48'34"N 29°15'53"E	96944	6Ed. 7/25/98	LAST NM 26/09	42/09
		Light FR 5m 5M	40°48'33"N 29°15'54"E		Delete	Buoy	40°50'46.0"N 140°43'46.0"E
		Purple circle and legend "AIS" to buoy	40°55'56"N 29°06'03"E				
		Purple circle and legend "AIS" to light	40°51'34"N 29°15'23"E				
	(28(118)07, 2(8), 33(168, 169), 43(222)08	Istanbul; BA LL)					(continued on next page)

96944 (Continued)
(Plan)
Delete Buoy
(Jpn CH W1191)

40°50'46.0"N 140°43'46.0"E

SECTION I

NM 42/09

Chart 14832

NM 42/09

BUFFALO HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2008 AND SURVEYS TO OCT 2008								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
BUFFALO HARBOR:								
SOUTH ENTRANCE INNER CHANNEL	16.9	25.3	25.7	26.9	9-08	400-1200	.37	29
OUTER HARBOR SOUTHERN CHANNEL	14.1	23.1	20.7	22.3	8;9-08	1130-1425	.76	28
OUTER HARBOR TURNING BASIN	19.6	18.9	19.9	21.3	9-08	900	.80	23
OUTER HARBOR MIDDLE CHANNEL	21.3	23.1	23.6	22.1	10-08	500-1600	2.12	27
OUTER HARBOR NORTHERN CHANNEL	16.4	20.3	23.6	21.1	9-08	1175-1350	.91	23
BUFFALO RIVER ENTRANCE CHANNEL	A13.1	16.5	21.2	B18.2	6-07	220-1625	.98	23
BLACK ROCK CANAL:								
ENTRANCE CHANNEL	19.5	19.6	18.4	9.5	5, 6, 7, 8-08	450-1000	.80	21
BLACK ROCK CANAL TO LOCK	5.7	19.8	20.3	5.0	5, 6, 7, 8-08	200-350	3.05	21
THENCE TO BUOY 12	10.9	18.7	19.6	10.9	5, 6, 7, 8-08	200-400	1.70	21

A. SHOALING TO 8.8 FEET IN OUTSIDE 30 FEET OF QUARTER WITHIN 200 FEET OF END OF REACH.
 B. SHOALING TO 15.3 FEET OUTSIDE 50 FEET OF QUARTER.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14833

NM 42/09

BUFFALO HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2008 AND SURVEYS TO OCT 2008								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
BUFFALO HARBOR:								
SOUTH ENTRANCE INNER CHANNEL	16.9	25.3	25.7	26.9	9-08	400-1200	.37	29
OUTER HARBOR SOUTHERN CHANNEL	14.1	23.1	20.7	22.3	8;9-08	1130-1425	.76	28
OUTER HARBOR TURNING BASIN	19.6	18.9	19.9	21.3	9-08	900	.80	23
OUTER HARBOR MIDDLE CHANNEL	21.3	23.1	23.6	22.1	10-08	500-1600	2.12	27
OUTER HARBOR NORTHERN CHANNEL	16.4	20.3	21.2	21.1	9-08	1175-1350	.91	23
BUFFALO RIVER:								
ENTRANCE CHANNEL	A13.1	16.5	18.4	B18.2	6-07	220-1625	.98	23
BUFFALO RIVER	C9.9	D11.2	E11.1	F8.9	6-07	100-700	5.27	23
BUFFALO SHIP CANAL	18.1	19.8	19.0	G15.2	6-07	125	1.02	23
BLACK ROCK CANAL:								
ENTRANCE CHANNEL	19.5	19.6	18.4	9.5	5,6,7,8-08	450-1000	.80	21
BLACK ROCK CANAL TO LOCK	5.7	19.8	20.3	5.0	5,6,7,8-08	200-350	3.05	21

A. SHOALING TO 8.8 FEET IN OUTSIDE 30 FEET OF QUARTER WITHIN 200 FEET OF END OF REACH.
 B. SHOALING TO 15.3 FEET OUTSIDE 30 FEET OF QUARTER.
 C. SHOALING TO 4.7 FEET LAST 200 FEET OF REACH
 SHOALING TO 4.6 FEET WITHIN 250 FEET OF POINT AT 42°51'45.6"N-78°52'06.0"W.
 SHOALING TO 4.2 FEET WITHIN 250 FEET OF POINT AT 42°51'44.3"N-78°51'59.3"W.
 D. SHOALING TO 9.4 FEET LAST 300 FEET OF REACH.
 E. SHOALING TO 9.9 FEET WITHIN 300 FEET OF POINT AT 42°51'25.9"N-78°51'09.1"W
 SHOALING TO 10.3 FEET LAST 350 FEET OF REACH.
 SHOALING TO 9.8 FEET WITHIN 200 FEET OF POINT AT 42°51'24.2"N-78°50'39.9"W.
 F. SHOALING TO 3.0 FEET WITHIN 500 FEET OF POINT AT 42°51'36.8"N-78°50'42.7"W.
 G. SHOALING TO 10.4 FEET WITHIN 125 FEET OF END OF REACH.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 42/09

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 50/08 THROUGH NM 42/09

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.
11	2	8,23,33/09	705	3	24,38/09	11353	5	50/08;3,9,13,14,15,16,22,24,28,31,32,33,35/09	11472	34	37*/41/09
12	1	23,29,33,34/09	706	4	24/09	11356	38	2,7,8,10,15,25,42/09	11473	1	N27,N30,N31/09
13	1	23,29,33,34/09	707	2	24/09	11357	40	31*,35,36,41/09	11474	10	8,29/09
20	3	4/09	708	3	18/09	11358	55	31*,41,42/09	11475	19	31/09*
21	4	18/09	800	4	17,31,41/09	11359	13	11/09*	11476	21	15,18,25,27,28,32/09
22	1	4/09	803	1	17,26,31,32,36,37,41/09	11360	43	3*,4,5,10,12,13,15,16,25,31,32,33,34,35,38,40,41,42/09	11477	6	N1,N18,N25,N27,N28,N32/09
50	6	6,22,23,26,28,29,34,35,36,37,39,40,41/09	805		N17/09				11478	21	52/08;1,15,18,20,26,27,28,32/09
51	1	6,13,22,28,34,35,39,40,41/09	1113A		7,16,23,24,29,31,33,40/09	11361	75	40*/41/09	11479	5	N8,N18,N22,N24,N25,N27,N28,N30,N31/09
52	1	52/08;37,38/09	1114A		51/08;7,8,22,24,30,41/09	11362	5	N51/08;N4,N5,N10,N12,N13,N15,N16,N25,N31,N32,N33,N34,N35,N38,N40,N41,N42/09	11480	40	15,24,25,30,32,34/09
53	2	4,22,32,34,35,38,39,40,41/09	1115A		3*,4,5,10,12,13,15,16,25,31,32,33,34,35,38,40,41,42/09				11481	6	52/08;1,18,20,25,26,27,28,32/09
62	3	41/09	1116A		40*,41,42/09	11363	42	42/09*	11482	1	N27/09
70	4	51/08;18/09	1117A		2,4,5,6,8,14,15,16,23,25,32,38,41/09	11364	43	42/09*	11484	23	15,25,27,28,32/09
71	4	24/09			50,51/08;4,8,9,10,15,16,17,22,23,24,25,27,28,29,30,31,32,33,34,35,36,41,42/09	11365	21	26*,40,41/09	11486	15	32/09
72	4	23,24/09	11004	8	17,22,23,24,25,27,28,29,30,31,32,33,34,35,36,41,42/09	11366	12	23*,25,27,30,31,32,34,35,36,40,41,42/09	11488	26	52/08;34/09
73	4	51/08;18,24/09			17*,24,25,26,28,31,32,34,35,38,40,41/09	11367	35	12,13,30,31,32/09	11489	38	11*,16,23,35/09
108	9	8,23,24,26,30,33,34,38/09	11006	33	17*,24,25,26,28,31,32,34,35,38,40,41/09	11368	24	12,13,30,31/09	11490	19	52/08;23,34/09
109	5	8,30/09	11009	38	52/08;3,10,22,24,26,33,38/09	11369	46	28,31/09	11491	36	52/08;9,23,30/09
120	6	8,23,29,33,34/09			8,16,22,24,27,28,31,32,40/09	11370	27	3*,4,8,14,21,34,41/09	11493	9	N7,N15/09
124	10	23,29,33,34/09	11013	47	8,16,22,24,27,28,31,32,40/09	11371	38	50/08;33/09	11494	8	N7,N15,N16/09
145	16	8,23,29,34,41/09	11299	1	N23,N38/09	11372	33	50/08;10,31,33,38/09	11496	10	N3,N15,N24,N25,N30,N33,N34/09
200	3	4/09	11300	42	2,4,5,6,8,14,15,16,23,25,32,38,41/09	11373	47	50/08;1,5,7,10,14,15,21,22,28,30,31,33,34,35,36,38,40,41/09	11502	31	11,16,30/09
201	2	4/09			15,22,23,35,38/09	11374	34	1,5,11,14,15,21,22,28,30,34,35,38,40,41/09	11503	42	7,11,15,16/09
203	2	6/09	11301	25	4,15,17,22,23,35,38/09	11375	36	52/08;5,11,14,15,22,28,34,35,38,40,41/09	11504	17	35/09
211	5	4/09	11302	32	15,22,23,35,38/09	11376	53	3,8,11,12,14,21,22,25,28,29,31,32,34,35,38,41/09	11505	3	9,18,30,41/09
301	1	4,16,37,39/09	11305	2	N4,N23,N32,N38,N42/09	11377	8	22*,25,28,29,32,34,35,38,41,42/09	11506	44	22*,39/09
302	1	1,4,30,39/09	11307	37	38/09	11378	36	39*,40,41,42/09	11507	33	16,37/09
310	20	4,37,39/09	11308	24	4,32,42/09	11380	1	3,11,12,25,34,38,41/09	11509	31	1*,5,16,35,37/09
400	3	1,4,23,24,26,28,29,33,34/09	11309	39	4,23,32,38,42/09	11382	40	10,23,38,40/09	11510	20	16/09
401	5	1,16,24,28,33,34/09	11310	2	N23,N38/09	11383	51	51/08;8,22,23,25,30,38,40/09	11511	17	5,35,37/09
402	4	4,16,23,29/09	11311	24	23,38/09	11384	35	51/08;23,38,40/09	11512	61	3,9,18,30,37,41/09
411	52	1,3,4,5,8,10,14,16,24,25,28,32,33,34,41/09	11312	5	34*,38,42/09	11388	17	51/08;10,31/09	11513	25	8/09
500	8	26,32,36,37/09	11313	23	50,52/08;8,10,38,41,42/09	11389	33	51/08;9,21,25,28,38,42/09	11514	30	1*,3,9,18,30,41/09
501	13	35*,36/09	11314	25	3/09*	11390	24	9,21,28,30,35/09	11515	31	23/09
502	2	52/08;13,26,27/09	11316	41	9,23,38,42/09	11391	24	9,21,28,30,35/09	11516	18	8/09
503	4	1,41/09	11317	32	19*,38/09	11392	7	9/09	11517	18	8/09
504	4	6,16,22,27,28,29,34,35,38,39,40/09	11318	2	N4,N23,N32,N38,N42/09	11393	21	51/08	11518	36	3,5,17,20,23,41/09
505	2	14,21/09	11319	33	9/09	11400	36	51/08;7,8,22,24,30,41/09	11520	43	3,21,24,25,42/09
506	2	52/08;37/09	11320	1	N38/09	11401	30	22/09	11521	29	15,23,28,41/09
507	2	52/08;37/09	11321	30	51/08;16,27/09	11402	23	22/09	11522	20	28/09
508	2	38/09	11322	32	3*,6,23,25,38/09	11403	20	22/09	11523	24	15,23,39,41/09
509	4	23,29,38/09	11323	62	51,52/08;2,5,6,11,15,16,23,24,25,27,29,38/09	11404	30	22/09	11524	51	52/08;3,5,15,17,18,20,23,37,39,41,42/09
510	3	23,29,37,38/09	11324	36	11*,23,24,25,27,29,34,38,41/09	11405	29	51/08	11525	7	N52/08;N3,N5,N10,N21,N24,N25,N33,N42/09
511	4	23,24/09	11325	39	6,23,25,38/09	11412	44	9,14,16,30,39,41/09	11527	17	39/09
513	7	4,41/09	11326	36	2,4,5,6,9,10,11,23,24,25,27,29,34,38,41/09	11415	8	14,24,30,41/09	11532	21	13,15,18,36/09
520	127	6,13,22,23,26,27,28,32,34,35,36,37,39,40/09	11327	34	14*,23,38/09	11416	10	1*,3,8,14,16,34,39,41/09	11534	36	42/09*
521	11	52/08;4,22,27,34,35,38,39,40,41/09	11328	25	23,38/09	11420	28	7,16,23,24,29,31,33,40/09	11535	12	27/09
522	87	52/08;24,29,37,38/09	11329	38	6,23,38/09	11423	8	N7,N16,N24,N29,N31,N33,N40/09	11536	18	3,9,40/09
523	8	4,6,22,24,27,28,29,32,34,35,37,38,39,40,41/09	11330	19	51/08;2,5,6,9,15,16,17,22,23,24,25,27,29,30,32,33,34,36,41/09	11424	19	7,16,25,26,29,33,36/09	11537	38	9*,17,20,21,26,27,39,40/09
524	12	52/08;29,37,38/09			11,22,27,30,41/09	11425	37	7,29,33/09	11539	18	10,12/09
525	3	52/08;37,38/09	11331	21	11*,22,27,30,41/09	11426	38	17/09*	11541	38	3*,10,12,14,26,36/09
526	10	52/08;6,20,22,28,29,33,34,35,37,38,39,40/09	11332	30	50,51,52/08;2,11,15,23,27,35,38,42/09	11427	34	37,41/09	11542	17	12,21/09
530	32	52/08;4,6,11,21,22,23,26,27,28,29,30,32,34,35,36,37,38,39,40,41,42/09	11333	1	N38/09	11429	22	11/09	11543	23	12,21,25/09
531	24	4,5,8,23,24,26,32,36,37/09	11339	2	7,22,31,33,34,36,38,41/09	11430	27	17*,30/09	11545	63	50/08;3,8,10,11,14,25,26,30,36/09
532	17	32,41/09	11340	74	40*,41,42/09	11434	28	31,40/09	11547	37	50/08;3,8,10,14,25,26,36/09
540	19	6,16,22,27,28,29,30,34,35,39,40,41,42/09	11341	42	50/08;2,5,11,15,23,27,33,35,38,42/09	11435	14	N31,N40/09	11548	40	5,24/09
541	2	6,20,28,29,35/09	11342	53	50,52/08;4,6,11,14,22,23,25,27,30,38,41/09	11439	26	31/09	11550	29	5,24/09
550	7	28/09	11343	38	50,52/08;8,22,23,25,27,30,38,41/09	11441	41	15,40/09	11552	20	3,6/09
600	5	13/09			5,7,22,31,33,34,35,41/09	11442	35	40/09	11555	40	5,25,42/09
601	4	13/09	11344	38	5,7,22,31,33,34,35,41/09	11443	32	15/09	12200	49	50,52/08;5,6,7,8,18,31,37,42/09
602	6	8,18,28,29,33/09	11345	34	31,35/09	11444	37	7/09*	12204	37	2,9,31/09
604	5	52/08;8/09	11346	2	34*,40,41/09	11445	33	11,15,27,30,31,32,39/09	12205	31	52/08;2,9,29,31/09
605	4	8,15,20,35/09	11347	38	7,22,31,33,36,38/09	11446	41	8,18,22,25,27,28,30,31,40/09	12206	33	26,31,42/09
606	1	20,35/09	11348	22	31/09	11467	41	11,15,27,30,31,32,39,40/09	12207	21	50,52/08;6,37/09
607	1	14/09	11349	43	50/08;9,24,31,35,42/09	11468	38	5,11,27,30,31,32,34,39,40/09	12208	13	52/08;9,29,36,37/09
608	2	8,10,15/09	11350	27	35/09	11469	8	12,27,30,31,39/09	12210	38	13,21,26,37,39,42/09
609	2	7/09	11351	41	2,4,8,10,15,25,30,41,42/09	11470	38	27,32/09	12211	43	50/08;5,7,8,9,10,13,15,17,21,26,27,36,39,42/09
622	9	52/08;8,13,17,20,28,29,33,35/09	11352	40	3,4,8,10,11,17,21,22,24,25,35,41,42/09	11471	1	N27/09	12212	48	50,52/08;17,37,39/09
623	9	52/08;29,33/09							12216	28	8,39/09
700	4	18/09							12221	80	9*,22,24,29,32,36,37,38,39/09
703	4	24/09							12222	51	11*,12,22,24,25,29,31,32,36,39/09
704	1	38/09							12224	24	3,8,22,24,37,40/09

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 50/08 THROUGH NM 42/09

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.
12225	58	27*,36,37,40,42/09	12371	24	11,13/09	13398	3	11/09	14373	2	19,29/09
12226	18	39*,42/09	12372	34	51/08;2,9,11,14,15,19,21,38/09	14000		N20/09	14380	19	19/09
12228	32	7,27,40,42/09				14001		N2,N8,N18,N20/09	14382	4	29/09**
12230	64	17*,27,41/09	12401	9	3,16,19,22,27,35/09	14003	6	50/08;5,6,7,8,P15,23,26,27,29,33/09	14383	3	29/09**
12231	27	7/09	12402	11	31/09*			N18,N20,N22/09	14385	4	29/09**
12233	37	7,8,11,18,41/09	13000	1	N6,N8,NP15,N23,N26,N27,N32,N33/09	14004		N11,N18,N20/09	14386	3	29/09**
12235	32	51/08;5,9,20,25,36,37,38,42/09	13003	49	50,51/08;5,6,8,9,11,P15,17,18,19,21,23,26,27,29,30,33,36,37,38/09	14006		N22/09	14402	2	30/09**
12237	27	51/08;2,5/09				14007		N11,N18,N20/09	14403	5	30/09**
12238	40	31*,37/09				14011		N22/09	14404	4	30/09**
12241	22	20,38/09	13006	35	23*,27,29,30,33,39,40/09	14012		N18,N20/09	14415	4	19/09
12243	13	20/09	13009	34	23*,27,29,33,40,41/09	14013		N2/09	14427		N10/09**
12244	13	20/09	13200	37	23*,29,33,40/09	14016		N8,N18/09	14756		N30/09
12245	67	8,12,24,25,32,39/09	13201	11	N51/08;N1,N2,N5,N6,N9,N12,NP15,N19,N23,N26,N29,N32,N33,N40/09	14019		N2,N8,N18,N20/09	14760		N30/09
12248	42	50/08;6,7,9/09				14021	1	N8/09	14775	1	N14/09*
12251	23	6,18,32/09	13203	13	23/09*	14024	5	18,19/09	14776	1	N6/09*
12252	24	2,14,35/09	13204	12	6/09	14028		N4,N8,N20/09	14786	14	7*,30/09
12253	46	5,8,9,11,12,13,24,26,31,42/09	13205	38	5,10,14,21,30,38,39,42/09	14030		N8,N20/09	14800	10	24/09
12254	48	17*,29,32/09				14031		N20/09	14804	24	24/09
12255	17	29/09				14034		N27/09**	14805	24	40/09
12256	16	14*,29,32/09	13209	25	9,10,14,21,22/09	14038		N27/09**	14809	1	N6/09*
12261	29	20/09	13212	38	1*,2,9,21,38/09	14047	1	N13/09*	14812	3	6/09**
12263	55	2,4,7,8,12,32/09	13213	41	2,9,15,19,38/09	14055	2	N27/09**	14815	23	24/09
12264	30	13,15,20/09	13215	18	5,30,39,42/09	14056	1	N27/09**	14820	21	8,16,22/09
12266	29	8,18,32/09	13217	15	42/09	14057	2	N27/09**	14825	25	16,22/09
12270	34	2,4,7,12,13,25/09	13218	40	51/08;3,5,8,13,22,30,39,42/09	14058		N2/09	14826	27	6,8,22,24/09
12272	31	36/09				14061	27	1,11/09	14828	6	22/09
12273	57	5,18,26,35,41/09	13221	57	19,30,31/09	14063	1	N27/09**	14829	6	16,22,24/09
12274	35	5,26,41/09	13223	41	35/09*	14069	1	N27/09**	14830	32	10,16,24,26,40/09
12277	34	26,29,36/09	13224	39	39/09*	14071	1	N27/09**	14832	34	4,42/09
12278	76	5,9,18,26,35/09	13226	6	19,30/09	14074	1	N27/09**	14833	26	4,42/09
12280	9	31*,32,36,37,39,41,42/09	13229	30	51/08;3,6,8,11,13,20,22,41/09	14081	21	27/09**	14835	32	6/09
12281	52	51/08;3,9,26,35,38/09				14082	1	N27/09**	14837	28	40/09
12282	35	52/08;2,7,12,13,18,25,35/09	13230	49	51/08;3,8,13,16,22,41/09	14092	1	N27/09**	14839	36	51,52/08;7,11,37/09
12283	26	2,7,12,13,25/09	13232	4	6,22/09	14094	1	N27/09**	14841	29	7/09
12284	16	35/09*	13233	18	50/08*;13,14,20/09	14095	1	N27/09**	14842	15	16,24,34/09
12285	39	7,11,18,22,24,25,41/09	13235	6	20/09	14096	1	N6/09*	14843	23	2/09
12286	30	11,24/09	13236	30	6,41/09	14130	2	27/09**	14844	32	8,24,34,36/09
12287	17	11/09	13237	40	11,14,15,19,20/09	14135	2	6/09**	14845	27	10,36/09
12288	20	11,15,41/09	13238	16	14,20/09	14164		N28/09**	14846	13	10,11,16,24,26,31,40/09
12289	49	22,25/09	13241	16	15/09	14167	1	N20/09	14847	31	11,31/09
12300	47	50/08;5,6,8,11,13,14,19,21,24,25,26,29,30,35,37,39/09	13242	38	2,26,29,30,33,41/09	14168	1	N23/09*	14848	58	9,11,25,29,32/09
12301	22	N50/08;N5,N6,N8,N11,N13,N14,N18,N19,N21,N24,N25,N26,N29,N30,N32,N37,N39/09	13246	13	2,41/09	14169	2	28/09**	14850	53	4,8,14,16,17,29,32,36/09
12304	45	39/09	13250	8	2,41/09	14174		N2,N11,N18,N19/09	14852	46	4,14,16,17,29,36,37/09
12311	45	7*,9,15,18,29,32,36/09	13251	15	41/09	14175		N28/09**	14853	17	4,8,9,11,12,16,17,24,25,29,32,36,37/09
12312	55	39/09*	13253	19	41/09	14176		N28/09**	14854	14	9,11,32/09
12313	52	7*,14,24,35/09	13260	40	51/08;1,8,9,12,26,27,30,32,33,40,41/09	14178		N28/09**	14860	36	30,40/09
12314	32	52/08;8,35,37/09	13263	8	N51/08;N1,N8,N9,N12,N26,N27,N30,N32,N33,N40,N41/09	14184		N11,N19/09	14862	28	29/09
12316	34	24,25/09				14190	2	6/09**	14863	31	24/09
12317	32	24/09				14191		N28/09**	14864	26	32/09
12318	44	25,37/09	13267	34	51/08;1,9,12,19,33,35,40,41/09	14214	1	N30/09*	14865	16	17,29,37/09
12323	25	3*,8,25,37/09				14217		N30/09	14867	26	51,52/08;11,24,29,30,41/09
12324	33	50/08;8,11,22,27,35/09	13269	10	9/09	14224		N28/09**	14868	1	N10/09*
12326	51	23/09*	13270	63	9,23,30,35/09	14229		N28/09**	14870	1	N30/09*
12327	102	31*,33,37,39,42/09	13272	50	5,6,8,23,30,33,35,37,38/09	14247		N28/09**	14871	2	41/09**
12331	31	51/08;3,10,19,20/09				14248		N18/09	14872	3	1/09**
12332	22	51/08;10,19,20/09	13274	27	51/08;9,19,25,30,33,35/09	14249		N28/09**	14874	2	30/09**
12333	35	6,8,10,12,30,33,37,38,39/09	13275	31	51/08;9,20,33,35/09	14251		N28/09**	14875	2	30/09**
12334	70	35*,39/09	13285	11	12/09	14254	1	N6,N22/09	14876	1	N30/09**
12335	43	22*,38/09	13286	30	15,41/09	14320	1	N29/09**	14877	1	N8/09*
12337	23	8,30,38/09	13287	12	15/09	14321	19	8/09**	14878	1	N35/09*
12339	46	35/09	13288	42	23,25,36,41,42/09	14322	4	6/09**	14880	32	24,30,40/09
12341	27	35/09*	13290	37	10,13,25,41/09	14323	1	N29/09**	14881	33	27*,30,40/09
12342	23	6/09	13292	38	10,13,25,41/09	14325	13	29/09**	14883	43	2,40/09
12343	19	6,22,31/09	13293	34	11,30,36,42/09	14327	8	29/09**	14884	39	6/09
12345	10	6/09	13295	11	11,36/09	14328	6	29/09**	14901	15	50/08;4,6,12,13,14,16,17,24,25,27,30,32,36/09
12346	11	6/09	13296	25	30,36,42/09	14329	5	29/09**	14902	29	50/08;4,6,14,24,25,30,32,36/09
12347	30	31/09	13301	20	23/09	14334	1	N9*,N22/09	14903	24	16/09
12348	33	30,31/09	13302	22	5,41/09	14337	1	N29/09**	14904	26	2,6,12,16,32/09
12350	59	40,41/09	13303	12	41/09	14339	1	N10/09*	14905	31	3,6,13,17,22,24,27,31,32/09
12354	42	51/08;9,10,11,14,18,21,22,38/09	13305	28	20/09	14340	25	9/09**	14906	24	9,16,32/09
12358	20	9,10,18,21,22/09	13307	10	20/09	14341	5	29/09**	14907	27	17/09*
12363	40	51/08;12,14,15,29/09	13309	28	52/08;5/09	14342	5	29/09**	14908	18	4,25/09
12364	38	51/08;14,15,29,36/09	13313	20	21/09	14343	1	N9*,N22/09	14909	20	24,32,36/09
12365	26	11/09	13316	22	21/09	14344	1	N29/09**	14911	21	52/08
12366	29	51/08;29/09	13318	18	21/09	14345	3	29/09**	14912	17	50/08;14,24/09
12367	24	11,14,15/09	13326	13	52/08	14354	2	29/09**	14913	19	24/09
12368	27	11,36/09	13392	2	11/09	14355	3	29/09**	14915	25	25/09
			13394	3	52/08;1/09	14357	1	N29/09**	14917	24	2/09
			13396	4	52/08;1/09	14358	1	N29/09**	14919	28	37/09
						14359	1	N25/09*	14922	20	3*,8,16/09
						14360	36	19,23/09	14924	28	51,52/08;16,24/09
						14366	6	25/09**	14926	11	3,13,17,24,27,32/09
						14361	1	25/09**			
						14369	1	N29/09**			
						14372	2	29/09**			

SECTION I

NM 42/09

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 50/08 THROUGH NM 42/09

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.
14927	25	3,13,17,24,27/09	16045	7	50/08	17428	10	21,22/09	18441	46	9,11,14,15,16,18,20,22,26,33,34,41,42/09
14928	22	3,24,27/09	16082	7	50/08	17430	11	21,22,32/09	18443	16	18,42/09
14929	24	13,17,27/09	16101	6	50/08	17432	7	42/09	18444	16	18,19/09
14930	25	31,35/09	16123	6	4/09	17433	11	42/09	18445	33	28*,30,33,40,41,42/09
14932	23	9,10,29,42/09	16124	6	4/09	17436	9	42/09	18446	17	15,24,29,34,42/09
14933	24	4,24,32/09	16200	14	41/09	17438	12	25,33,42/09	18447	29	15,24,25,29,36,40/09
14934	29	16,27,34/09	16220	5	41/09	17442	1	N27,N29/09	18448	34	8,11,21,24,26,28,40,42/09
14935	21	10/09	16323	9	41/09	17445	2	25,32,42/09	18449	18	14,16,20,21,27,33/09
14937	24	51/08;16,37/09	16363	12	52/08	17452	1	N34/09**	18450	18	14,27,33/09
14938	24	3,7,13,36/09	16500	10	14/09	17458	1	N13/09*	18451	1	N19/09
14961	12	8,9,29,31,32,36,40,42/09	16520	23	29,34,35,39/09	17460	1	N24,N27/09	18452	16	20/09
14962	20	4,10,29/09	16528	17	26/09	17464	4	31,34/09	18453	25	9,10,11,12,17,24,25,28,40/09
14963	20	4,40/09	16529	15	12,26,38/09	17467	3	22/09**	18454	5	N26,N42/09
14964	21	32,40,42/09	16530	6	12,26,38/09	17472	4	34/09**	18455	2	N11/09
14965	21	9,12,13,31,35/09	16535	12	52/08;12,21/09	17474	4	51/08;27/09	18456	20	8,21/09
14966	27	15,29,31,36/09	16540	12	1,7,9,11,18,34,35,41/09	17482	1	N7/09*	18458	16	9,11,12/09
14967	23	9,13/09	16547	9	41/09	17483	1	N5,N9/09	18459	5	N9,N11/09
14968	28	12,40/09	16549	15	50/08;7,8,9,11,12,23/09	17484	3	34/09**	18460	13	50/08;4,25,26,27,37/09
14970	26	7,29/09	16553	6	1,18/09	17485	4	51/08;33,34,35/09	18461	1	N19/09
14972	26	33/09	16556	5	18/09	17486	3	13/09**	18464	25	16,26,34,41/09
14973	27	12,15,31,36/09	16570	11	20/09	17487	3	34/09**	18465	38	14,19,20,39,42/09
14974	24	2,29/09	16580	14	37/09	17487	3	34/09**	18471	11	16,19,20,26,34,41,42/09
14975	35	50,51/08;9,10,25/09	16606	11	27/09	17489	19	34/09	18473	8	15,22,24,34,41,42/09
14976	18	40/09	16640	24	27,41/09	17491	3	34/09**	18474	8	9,11,12,14,16,20,24,27,28,33,40/09
15000	1	N23/09*	16645	18	52/08;27,41/09	17493	1	N27/09	18476	5	9,11/09
15007	1	N19/09	16646	13	41/09	17494	1	N34/09**	18477	5	41/09
15010	1	N31/09**	16647	3	52/08;27,41/09	17496	1	N6/09*	18480	31	50/08;4,25,26,27,37,42/09
15016	1	N31/09**	16660	30	11,12,30/09	17501	1	N31/09	18484	12	39/09
15019	1	N31/09**	16662	8	12,30/09	17502	1	N34/09**	18485	16	50/08;25,39/09
15021	1	N31/09**	16663	8	11,12,30/09	17511	1	N24,N34/09	18486	30	21,22,26,39/09
15022	1	N31/09**	16665	9	11,30/09	17514	1	N25,N26,N37/09	18502	86	3,22,23,28,32/09
15024	1	N6/09*	16680	11	27/09	17515	7	6/09**	18504	66	8,40/09
15025	1	N31/09**	16681	10	27/09	17517	8	36/09	18520	27	27*,30/09
15034	1	N31/09**	16682	17	27/09	17520	2	N5/09	18521	74	40*,42/09
15035	1	N6*,N32/09	16700	31	11*,23/09	17521	1	N31/09	18523	56	13,16,18,22,27,28,36,41,42/09
15036	1	N31/09**	16701	22	4,21/09	17524	1	N27,N34,N35,N40/09	18524	36	3,13,17,22,27,34,40/09
15037	1	N31/09**	16702	13	21/09	17525	1	N35/09	18525	36	22*,27,33,40/09
15043	3	31/09**	16702	13	21/09	17528	1	N27/09	18526	59	31*,40/09
15046	4	31/09**	16704	13	12/09	17541	3	34/09**	18527	22	8,11,24,30/09
15064	1	31/09**	16706	10	7,34/09	17542	6	25/09**	18528	11	8/09
15067	2	13/09**	16707	13	17/09*	17545	13	34/09**	18531	22	52/08;3,27,37,40/09
15068	2	6/09**	16708	27	3*,4,11/09	17546	22	34,42/09	18532	21	3,28,36/09
15069	4	24/09**	16709	24	23/09	17549	6	34/09**	18535	25	23/09
15070	3	6/09**	16762	9	39/09	18000	8	52/08;13,26,27/09	18558	38	22/09
15074	1	31/09**	17003	4	23,26/09	18002	7	N50,N52/08;N13,N26,N27,N30,N34,N37,N41/09	18561	12	22,30/09
15081	4	31/09**	17005	10	23,25,31,35,40/09	18003	20	5,8,21,22,25,30,39/09	18580	22	5,26,30/09
15083	6	31/09**	17007	1	N27/09	18005	5	N50,N52/08;N6,N11,N22,N25,N28,N41,N42/09	18581	18	50/08*;16,21,22,23,30/09
15140	7	1/09	17300	31	18,34,35,42/09	18006	4	N52/08;N25,N41/09	18583	39	21/09
15300		N32/09	17302	18	18,21/09	18007	33	14*,16,21,23,25,34,42/09	18584	48	15,22/09
15312	1	6/09**	17311	1	42/09	18008	8	N5,N11,N16,N21,N23,N25,N33,N42/09	18587	70	9,10,20,22,26,30,33/09
15444		N32/09**	17312	2	42/09	18009	3	N51/08;N6,N11,N22,N28,N42/09	18588	37	20,26/09
15445		N32/09**	17313	9	31/09*	18010	21	50/08;6,9,11,16,22,28,34,42/09	18600	14	1,19/09
15446	1	N32/09**	17314	12	42/09	18020	38	50,52/08;6,11,26,27,28,34,37,42/09	18601	14	25/09
15449	1	N32/09**	17315	24	4,11,20,27,35,42/09	18022	35	50,52/08;6,9,10,11,16,24,25,26,28,30,34,37,42/09	18602	12	16,19/09
15450		N32/09**	17316	20	11,20,21,27,34,35,42/09	18400	48	7*,14,15,19,20,22,23,25,27,29,34,36,37,40,42/09	18603	16	19,36,41/09
15505		N32/09**	17317	20	34/09	18411	11	N35/09**	18605	12	1/09
15540		N39/09	17318	7	19/09*	18419	11	31/09	18622	54	8,22/09
15543	1	N35/09*	17320	18	52/08;8,18,20,28,37,42/09	18421	49	51/08;15,22,29,33,36,39/09	18623	11	16/09
15569	1	N23/09*	17322	12	42/09	18422	1	N35/09**	18640	25	9,11,22,23,26,42/09
15644	1	N32/09**	17324	15	21,42/09	18423	36	51/08;15,16,18,20,22,23,26,33,34,36,39,41,42/09	18645	26	51/08;9,11,23,26,42/09
15661		N32/09**	17326	16	52/08;1,8,18,20,21,22,28/09	18424	27	22,36/09	18647	16	22/09*
15724	1	N27/09*	17327	23	52/08;8,11,21,22/09	18425	9	N35/09**	18649	66	15*,23,27,28,32,35/09
15750	1	N25/09*	17328	7	1,8/09	18428	9	N35/09**	18650	55	52/08;7,8,12,13,15,23,27,28,32,35/09
15770	1	N25/09*	17338	14	42/09	18429	10	36,39,42/09	18651	44	23,33/09
15800	1	N7/09*	17339	12	18,25,42/09	18430	8	36,39/09	18652	35	40/09*
15881		N25/09	17360	35	52/08;20,37/09	18431	7	51/08	18653	10	7,22,28/09
15883		N32/09**	17375	21	50/08;8,42/09	18432	6	23,33/09	18654	44	21,24,27/09
15884		N32/09**	17382	17	42/09	18433	7	15,42/09	18655	59	21,27/09
15885	1	N32/09**	17383	3	42/09	18434	7	15,42/09	18656	55	8,12,21,24,27/09
15900	1	N24/09*	17384	9	42/09	18436	1	N33/09	18657	19	8,24/09
15925		N32/09**	17385	16	1,20,42/09	18437	1	N33/09	18658	31	8,24/09
15926		N50/08;N35,N38/09	17400	17	52/08;5,7,8,9,18,20,21,22,26,29,30,37,42/09	18438	1	N35/09**	18659	15	8,12,21/09
15932		N32/09**	17402	11	52/08;37/09	18439	1	N35/09**	18660	3	51/08;12/09
15937		N38/09	17403	14	21/09	18440	29	8,9,11,12,14,15,16,19,20,22,24,26,28,33,40,41,42/09	18661	30	19/09*
15945		N35,N38/09	17404	14	50/08*;5,9,18,29,30/09				18662	22	26/09*
15948		N38/09	17405	16	51*,52/08;5,8,9,18,21,29/09				18666	1	8,24/09
15956	1	N7/09*	17406	7	52/08;1,5,7,8,9,18,21,22/09				18680	31	51/08;5,9,11,14,22,23,26,28,42/09
16003	17	50/08;27,28,31,41/09									
16004	12	50/08									
16005	10	50/08;27,28,31,41/09									
16006	35	34,41/09									
16011	37	50/08;34,41/09									
16012	22	4,41/09									
16013	30	3,4,27,36,37,41/09									
16016	21	26,27,36,42/09									
16041	8	38/09									

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 50/08 THROUGH NM 42/09

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.
18685	33	5,9,14,22,24,31/09	21020	42	1,3/09	22250	2	21/09	24322	6	5/09
18700	22	52/08;5,10,25,41/09	21021	3	3,4,6/09	22263	2	9,12,22/09	24380	2	1,31/09
18703	25	5,7,10/09	21023	41	4,5,12/09	22264	3	9,12,22/09	24385	1	31/09
18720	33	5,21,25,30/09	21026	47	4/09	22282	17	12,21/09	24388	2	1,31/09
18721	11	5,25,28,30,41/09	21033	46	1,7,24,41/09	22285	1	12,21/09	24390	3	1/09
18723	3	41/09	21036	7	1,5,41/09	22290	4	7,9/09	24404	9	9,41,42/09
18724	2	19*,21/09	21100	29	8/09	22293	15	9,12/09	24405	11	N7*,N9,N42/09
18725	29	8,21/09	21120	27	8,11,14/09	22294	16	12/09	24406	31	N9/09
18740	42	5,15,16,17,21,24,30,34,37/09	21121	18	8,14/09	22305	2	7,21/09	24410	2	41/09
18741	19	N50/08;N24,N26,N30,N34/09	21122	5	1/09	22311	19	13/09	24430	5	4,21,27,40,41,42/09
18744	32	6,15,16,20/09	21140	1	50/08;1,3,24,26/09	22312	2	7,13/09	24431	14	21,27,40/09
18746	37	5,37/09	21141	23	3/09	22313	2	7,13/09	24434	4	27,41/09
18748	1	5,13,16/09	21180	1	13/09	22314	1	7,13/09	24454	5	41/09
18749	42	5,8,14,18,20,21,36,37,41/09	21182	34	3,4/09	22331	2	N22/09	24460	4	20,41/09
18751	46	42/09*	21200	1	8/09	22335	4	21/09	24463	6	41/09
18754	17	51/08	21301	13	4,14/09	22341	9	21/09	24468	1	42/09
18760	7	N50/08;N5,N24,N25,N26,N34,N37,N41/09	21338	4	4,8/09	22343	1	N21/09	24469	1	42/09
18761	3	N17,N24,N34/09	21342	28	3/09	22351	1	N21/09	24470	4	20,34/09
18762	15	17,24,34/09	21384	4	3,5/09	22352	6	22/09	24471	9	31,34/09
18763	10	17,24,34/09	21401	20	4/09	22360	2	22/09	24480	1	52/08;2,7,37/09
18765	16	21,24,30/09	21441	27	4,12/09	22410	32	21,22/09	24481	7	16/09
18766	7	50/08;1,24,30/09	21478	3	42/09	22413		N20/09	24485	1	4/09
18768	5	N50/08;N1,N24,N30/09	21483	1	16/09	22421	4	N21,N22/09	24486	1	42/09
18769	3	N17,N24,N34/09	21500	1	1,41/09	22425	2	22/09	24490	3	52/08;2,4/09
18772	48	30/09	21510	1	4/09	22427	1	N21,N22/09	24491	3	52/08;2,4,7/09
18773	41	14,23,39/09	21520	1	25,30/09	22471	31	9/09	24492	21	N4/09
18774	11	21/09	21521	15	25,30/09	22482	16	9,21/09	24500	1	52/08;2,4,5,7,16,20,23,25,31/09
18775	3	N17,N24,N34/09	21524	3	29/09	22521	3	5,6/09	24501	3	2,7/09
19002	10	N6,N16,N24,N28,N29,N32,N41,N42/09	21526	4	30/09	22523	3	27/09	24502	6	52/08;4,5,7,16,20,23,25,31/09
19004	38	51/08;6,13,14,16,24,28,32,41,42/09	21529	2	25,30/09	22524	2	27/09	24504	7	52/08;2,37/09
19007	18	6,16,22,27,28,30,34,35,39,40,42/09	21560	33	1,41/09	22529	3	5,10/09	24507	1	52/08;2,37/09
19008	5	6,16,22,27,28,29,34,35,39,40,42/09	21563	3	26,30/09	22531	2	10/09	24508	3	37/09
19010	19	51/08;6,13,14,16,24,28,41,42/09	21581	5	41/09	22532	2	5/09	24509	2	2,37/09
19013	18	13,14,22,24,27,30,32,34,35,39,40,41,42/09	21584	2	41/09	22544	2	18/09	24510	2	52/08;37/09
19016	12	16,22,27,30,34,35,40/09	21601	4	41/09	22545	1	5,18/09	24511	2	52/08
19019	11	30/09	21602	2	41/09*	22547	3	5,10/09	24512	2	52/08
19022	12	30/09	21603	10	41/09*	22549	2	5/09	24517	2	42/09
19320	17	51/08;16,24,25,41,42/09	21604	25	37/09	23020	4	4/09	25001	7	4,29,31,42/09
19327	11	51/08;18,25,36,42/09	21661	12	5,13/09	23030	6	4,8/09	25017	6	N29/09
19330	11	18,36/09	22000	16	5,6,10,18/09	23102	7	N39/09*	25400	2	42/09
19339	2	N51/08;N3,N13,N14,N24,N32,N41,N42/09	22004	38	52/08;8,10,14/09	23141	7	4/09	25485	45	25/09
19340	27	51/08;3,13,14,24,32,41,42/09	22008	35	52/08;8,14,15,16,30,35/09	23142	10	4/09	25487	2	25/09
19342	10	42/09	22012	31	8,9,10,14,25/09	23145	3	4,8/09	25500	2	8,31/09
19347	18	13,24,41/09	22032	20	22/09	24000	39	33/09	25570	3	8,31/09
19348	8	36/09	22040	1	52/08;19/09	24004	36	27,33,39/09	25575	4	8/09
19351	10	14,24,41/09	22050	4	6,7,24,28,42/09	24008	42	27/09	25609	5	26/09
19353	12	14/09	22051	19	18/09	24012	40	31/09	25613	3	42/09
19357	24	51/08;3,32,41/09	22052	7	18,23/09	24016	53	31/09	25640	43	3/09*
19358	21	36/09	22054	1	20/09	24028	6	1/09	25641	27	26/09
19359	12	51/08	22055	1	18/09	24050	11	4/09	25644	13	8/09
19361	8	36/09	22080	3	6/09	24051	1	25/09	25646	7	N8/09
19362	14	39/09*	22081	1	7/09	24052	16	25/09	25647	11	26/09
19366	37	9,18/09	22084	4	5,17/09	24055	6	25/09	25649	19	30/09
19367	39	26,28,33/09	22090	2	10,14,35/09	24057	5	4/09	25668	20	1/09*
19369	6	51/08;3,4,26,28,33/09	22100	3	28/09	24058	2	25/09	25670	43	8,20,30/09
19379	2	N32,N41/09	22102	20	4/09	24080	5	27/09	25671	18	41/09
19380	15	32,41/09	22101	20	4/09	24110	3	37/09	25673	16	17/09
19381	9	11*,23,25,36/09	22102	19	17,27/09	24120	9	33/09	25677	21	3*,5/09
19383	17	23/09	22103	2	27/09	24130	14	39/09	25683	19	31/09*
19388	3	N27,N35,N39,N40/09	22109	3	27,28/09	24131	8	37/09	25700	3	41/09
19401	9	31/09	22112	3	20,28,40,41/09	24132	13	33,37,39/09	25800	3	26/09
19402	7	31/09	22113	8	6,9,18,29,40,41/09	24140	18	33/09	25842	10	26/09
19421	8	31/09	22114	5	40/09	24141	4	33,39/09	26001	4	2/09
19441	8	31/09	22117	3	40/09	24150	27	33/09	26050	1	52/08
19442	6	31/09	22120	3	52/08;8,10,14/09	24151	4	33/09	26081	8	51/08
19461	7	31/09	22121	9	14/09	24153	6	5,37/09	26122	30	22,29/09
19480	9	31/09	22124	2	52/08;10,14,24,35/09	24154	12	37/09	26130	20	22,42/09
19481	11	31/09	22125	2	10,14,26/09	24155	6	37/09	26147	31	52/08;32/09
19482	9	31/09	22126	1	14/09	24160	21	33,37/09	26186	17	34/09
19483	6	31/09	22130	2	8,16,26/09	24161	11	27,39/09	26218	2	40/09
21005	5	13/09	22138	3	10,16,35/09	24162	9	27,39/09	26229	11	40/09
21008	62	3,42/09	22140	2	52/08;14,26,35/09	24164	6	5/09	26230	12	51/08;34/09
21011	5	8/09	22142	2	52/08;8,10,14,35,42/09	24170	14	32,33/09	26244	3	37/09
21014	72	3,4,8,11,13,14/09	22143	4	52/08;14,15/09	24171	19	32/09	26250	18	37/09
21017	50	4,5,8,13,14/09	22160	2	52/08;15,26,30,35/09	24172	4	32/09	26282	7	N34/09
			22170	3	52/08;10,14,15,16,26,30,35/09	24180	15	33/09	26295	1	34/09
			22172	8	52/08;30,35/09	24220	14	31,37,41/09	26300	7	24/09
			22173	36	15,26,30,35,42/09	24221	17	20/09	26308	5	24/09
			22180	2	25/09	24222	3	31,37,41/09	26310	1	N24/09
			22181	17	8,10,14,42/09	24223	33	41/09	26311	1	N24/09
			22182	7	8,10,14,31/09	24224	1	27/09	26320	5	12,22,24,27,30,31,40/09
			22183	4	52/08;10/09	24240	5	31/09	27005	4	24,31,34/09
			22190	2	8,14/09	24251	23	39/09	27040	5	37/09
			22205	2	9/09	24252	5	39/09	27041	4	37/09
			22221	20	9/09	24271	14	33/09	27060	2	23,37/09
			22225	2	6,21/09	24274	2	42/09	27061	5	23/09
						24320	4	5/09			

SECTION I

NM 42/09

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 50/08 THROUGH NM 42/09

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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.
27080	4	23,31,40/09	35119	2	N50/08;N8/09	37056	1	N4,N8/09	43160	6	24/09
27083	39	51/08	35121	1	N8,N29/09	37057	2	N50/08	43162	3	2/09
27100	2	40/09	35122	1	N40/09**	37062	3	N33/09*	43167	5	27/09
27180	2	28/09	35123		N1/09	37066	5	N22/09*	43181	3	27/09
27211	22	28/09	35124	1	N40/09**	37067	5	N4,N6/09	43203	3	4/09
28004	1	31,34/09	35125	2	N40/09**	37080	3	32/09	43220	3	4/09
28041	4	41/09	35126	1	N1/09	37085	8	4/09	43221	4	4/09
28042	3	35,41/09	35127	1	N1/09	37110	11	2/09	43224	3	4/09
28053	2	27/09	35128	1	N1/09	37115	2	2/09	43240	4	30/09
28054	2	27/09	35129	1	N40/09**	37120	3	1,2,23,30,31,33/09	43242	4	30/09
28104	2	34/09	35132	1	N40/09**	37121	11	2/09	43244	4	29/09
28130	1	34/09	35133	1	N40/09**	37125	15	1/09	43245	4	29/09
28144	4	27/09	35134	2	N40/09**	37129	6	19,23,27,28,31,32,33,34,37,39/09	43246	5	11/09
28150	3	30/09	35137		N40/09**	37140	33	1,2,4,9,33/09	43247	5	4/09
28154	2	27,40/09	35145	1	N40/09**	37162	12	38,40,41/09	43260	5	2,11,17,25,31/09
28161	4	30/09	35146	1	N40/09**	37163	20	N39,N41/09	43262	7	12,17,25,30/09
28162	29	30/09	35147	1	N50/08;N3,N7,N27/09	37164	5	N25*,N38,N41/09	43263	2	11,25,31/09
28165	21	23/09*	35172	3	N33/09*	37165	3	4,5,6,9,11,14,15,19,21,22,26,30,31,32,33,37,40,41/09	43264	2	12,17,25/09
28168	24	N30/09*	35180	6	29/09	37166	3	50/08;9,40,41/09	43280	5	30/09
28170	1	31/09	36000	1	N50/08;N4,N7,N9/09	37200	16	16*,29/09	43281	6	11,29,31/09
28171	1	30,31/09	36001		N52/08	37205	3	5*,33/09	43283	5	27/09
28197	4	25/09	36002		N50/08;N3,N27/09	37221	14	4,5,9,11,18,20,21,23,31,32,37,39/09	43287	2	11,15,31/09
28201	8	42/09	36003	1	N41/09**	37222	13	4,5,14,15,21,23,26,39/09	43300	5	12/09
28202	22	8/09	36004	1	N41/09**	37223	14	21,32,39,40,41/09	43303	4	30/09
28260	30	3,4,6,8,14,22/09	36005	2	52/08	37224	11	3,5,14,15,21,26/09	43321	6	52/08;30/09
28263	3	5,6,8,14,42/09	36006	1	N7,N10/09	37224	11	3,5,14,15,21,26/09	43323	4	31/09
28264	3	5,6,42/09	36008	1	N8/09	37226	18	N4,N5,N11,N13,N23,N30,N31,N34,N39,N41/09	43324	4	26,31/09
28265	4	N25/09*	36013	1	N41/09**	37228	14	11,14,31,41/09	43340	13	21/09
28281	32	3,4,5/09	36014	1	N50/08;N1/09	37229	15	4,34/09	43341	7	10,27,30/09
28282	2	3,4,5/09	36016	1	N50/08	37230	14	13,19,30/09	43342	7	10,26,27/09
28300	1	3,4,8,14/09	36017		N50/08;N3/09	37231	18	4,5,6,11,13,14,15,19,21,26,28,31,39/09	43345	4	21,26/09
28302	16	1,4,6,11,12/09	36020	1	N1,N3/09	37232	13	N4,N5,N9,N18,N41/09	43356	2	11/09
28310	2	3,4,8,11/09	36022	1	N3/09	37233	11	9,15,18/09	43360	21	21/09
28320	6	52/08;3,4,6,14,42/09	36025	1	N4,N9/09	37236	9	15/09	43363	5	12/09
28323	2	52/08;3,4,6,21,42/09	36026	1	N41/09**	37238	6	39,41/09	43364	6	N52/08;N12/09
28325	2	52/08;6,42/09	36027	3	N41/09**	37241	19	N20*,N38,N39,N41/09	43365	5	29/09
28330	2	4,8,42/09	36028	2	N41/09**	37242	11	41/09	43368	6	17/09
35000	26	52/08;15/09	36029	1	N41/09**	37242	11	41/09	43371	13	11,19,24,27,29,30/09
35001	2	N33/09*	36030	1	N1,N3/09	37243	7	41/09	43372	4	27/09
35002	1	N32/09	36031	1	N41/09**	37244	11	23,30,31,32,33,34,41/09	43373	8	24,32/09
35008	21	4,15,21/09	36033		N3/09	37246	15	23,27,31,32,33,38,39,41/09	43374	1	19,24,27,29,30/09
35014	3	N33/09*	36034	1	N33/09*	37248	19	19,22,23,27,28,29,30,32,33,34,37,39/09	43377	2	24/09
35015	2	N8,N10/09	36035	1	N33/09*	37320	16	52/08	43382	2	17/09
35024	2	N50/08;N7/09	36037		N41/09**	37330	2	52/08	44000	16	26/09
35025	1	N39/09**	36038		N41/09**	37342	3	3,4,12/09	44001	2	23,26,29,32/09
35027		N39/09**	36042		N8/09	37344	11	3/09	44015	8	51/08;2,18,20,23,26,29,32,33,35,41/09
35028	1	N39/09**	36043	3	N41/09**	37360	15	3,12,36/09	44030	8	29/09*
35034		N39/09**	36044	1	N1/09	37362	6	26/09	44036	5	41/09
35035	1	N52/08*;N6/09	36045		N41/09**	37380	2	52/08;26/09	44037	5	29/09
35037	1	N52/08*;N6/09	36047		N41/09**	37400	10	52/08;33/09	44040	23	29/09
35038	2	N39/09**	36048		N41/09**	37403	23	12/09	44045	6	32/09
35039	1	N39/09**	36049	1	N33/09*	37420	1	31/09	44046	10	42/09
35045	1	N1,N10/09	36051		N41/09**	37461	9	38/09	44048	12	N5/09*
35046		N39/09**	36052		N41/09**	37481	7	37/09	44052	1	N29/09
35048	1	N4/09*	37000	22	9/09	37506	4	24/09	44054	1	N205/09*
35049		N39/09**	37001		N42/09**	38030	1	1/09	44057	5	15,19,20/09
35050	1	N50/08	37002		N42/09**	38032	6	17/09	44061	21	26,29/09
35051		N39/09**	37004	2	N1/09	38603	2	50/08;27/09	44062	8	29/09
35052		N4/09	37005	17	4,21,29/09	38604	1	52/08;14/09	44065	19	26,42/09
35053		N39/09**	37008	2	N1/09	38607	2	51,52/08;31/09	44067	7	4,6,13,29,31/09
35054	1	N39/09**	37009		N42/09**	38610	1	51/08;1,7,31/09	44068	11	6,13,14,19,20,30,42/09
35055	1	N10/09	37010	24	1,4,9,21/09	38611	4	1/09	44069	16	5,6,11,13,14,20,26,29,30,37,39/09
35056	1	N51/08;N10/09	37011		N42/09**	38650	1	1/09	44070	7	6,15,19/09
35057	1	N51/08	37012	1	N42/09**	38670	2	27/09	44071	4	26/09
35058	1	N51/08	37013		N42/09**	38681	3	51,52/08;14/09	44072	4	13,19/09
35059	2	N33/09*	37014	1	N42/09**	38690	2	52/08	44073	2	11,18/09
35061	2	N39/09**	37018	1	N42/09**	42760	5	17/09	44075	4	6/09
35065	1	N4/09	37022	1	N42/09**	43058	3	17/09	44076	3	6,9,19,31,34,41/09
35067	1	N4/09	37023	1	N42/09**	43059	3	17/09	44081	9	2,4,6/09
35069	1	N39/09**	37025	26	52/08;41/09	43060	4	17/09	44082	11	1,15/09
35078	2	N1,N10/09	37026		N42/09**	43123	3	1/09	44083	8	51,52/08;1,2,9,18,20,31/09
35079	2	N22*,N34/09	37027	1	N6/09	43124	5	1/09	44084	1	1,2,7,15/09
35089	1	N1/09	37028		N1,N2/09	43126	4	1/09	44085	2	6,11,30,37/09
35093	2	N52/08*	37029		N42/09**	43143	4	10/09	44100	7	1,4,15,19,28,42/09
35094	1	N1,N4/09	37030	1	N4/09	43144	4	15,25/09	44120	7	1,15,28/09
35095	2	N1/09	37035		N10/09	43145	4	15/09	44140	8	51/08;2,13,18,20,26,35,40,41/09
35098	1	N39/09**	37036	1	N10/09	43146	2	24/09	44181	6	N26/09*
35102	1	N40/09**	37037	1	N50/08;N4/09	43148	4	25/09	44182	5	N42/09*
35105	1	N40/09**	37038	1	N50/08;N4,N10/09	43150	3	N24/09			
35106	2	N33/09*	37039	3	N34/09*						
35107	1	N40/09**	37040	2	N22/09*						
35108	1	N40/09**	37050	9	52/08						
35109	1	N8/09	37051	1	N52/08*;N2/09						
35111	1	N40/09**	37052	2	N50/08;N9/09						
35112	1	N40/09**	37053	1	N9/09						
35116	1	N8/09	37054		N4/09						
35118	2	N33/09*	37055		N4/09						

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 50/08 THROUGH NM 42/09

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.
44185	8	N42/09*	52043	21	2,39/09	54120	5	52/08;5,8,21,28,33,37,38,41/09	54409	2	24/09
44187	2	42/09	52045	6	2/09	54125	4	52/08;3,5,14,15,23,24,25,26,28,31,34,35,40,41/09	54412	1	24/09*
44192	1	42/09	52051	2	N7/09*	54131	2	50,52/08;3,12,15,20,25,28,37,39,40,41/09	54413	3	50/08;9,31/09
44193	1	35/09	52080	14	4/09	54140	8	5,14,18,24,28,33,35,40,41/09	54416	5	51/08;13,18,27/09
44205	2	35/09	52083	2	37/09	54151	1	51/08;1,8,14,30/09	54418	4	50/08;4,24,25/09
44206	1	32/09	52144	6	N11/09*	54168	1	23,33,35,38/09	54421	6	33/09
44240	8	35/09	52145	1	N11/09*	54169	3	14,23,24,29,33,35/09	54422	4	23,33/09
44260	7	12/09	52160	7	51/08;3,4,6,17,27,33/09	54180	7	23,24,25,29,33,34/09	54425	1	23/09
44282	1	35/09	52161	14	4,6,33/09	54195	3	25,33/09	54462	5	11/09
44319	2	3,11,12,17,23,26,27,37,41/09	52164	2	4,17/09	54200	4	23,25,29,31,34/09	54480	8	11/09
44320	4	9,13,17,20,26,27,32/09	52170	3	51/08;3,6,9,17,20,27,33,35,36/09	54201	6	25,31,34/09	55040	4	33,34,37,38,39,40,42/09
44340	12	9,10,12,20,26,30,36,37,41/09	52172	2	17,36/09	54220	5	24,29,30,34,41/09	55041	7	33,34,35/09
44341	7	26/09	52180	14	52/08;3,4,6,16,18,25,29,32,36,40/09	54222	4	34/09	55042	1	38,39,42/09
44352	3	N9,N13,N15,N19,N20,N26,N32,N34,N36,N41/09	52184	3	25/09	54223	2	25,31,34/09	55043	2	38/09
44360	10	9,13,23,25,31,37,41/09	52186	3	18,32/09	54224	2	30,31,33/09	55044	5	34,37,38/09
44361	6	14,25,31,32/09	53011	2	3,4,12,13,16,17,39,41/09	54225	2	30,34,41/09	55045	2	37,38,42/09
44366	1	25/09	53031	1	35/09	54227	3	N6/09*	55046	4	39,40,42/09
44400	4	3,9,11,12,13,23,25,26,27,29,32,33,34,37,39,41/09	53060	14	4/09	54266	2	42/09	55047	8	40,42/09
44401	7	19/09	53082	14	11,14/09	54279	4	50/08;5,9,10,12,17,18,30/09	55060	8	N30/09*
44410	4	3,11,23,32,39/09	53088	8	18,26/09	54281	6	51/08;12,18,29/09	55082	9	8,17,23,37/09
44420	6	11,19,23,32/09	53100	17	16,35/09	54283	5	12,14,22/09	55085	9	23,37/09
44430	2	52/08;1,8,11,18,19,31,32,33,35,39,40/09	53101	7	4,12,18,23/09	54284	1	51,52/08;4,14,18,24,30/09	55101	5	8/09
44442	1	N39/09*	53102	2	4,12,23,27,37/09	54285	1	29,36/09	55102	4	25/09
44443	1	N39/09*	53106	7	28,37/09	54286	4	4/09	55103	3	N51/08*
44444	6	1,8,10,33,35/09	53107	17	N33/09	54287	7	51,52/08;12,13,17,23,26,29,32,36/09	55104	2	14/09
44445	1	N26*,N31/09	53108	3	16,32/09	54288	5	50,51/08;10,11,24,26/09	55127	2	37/09
44446	1	N35/09*	53120	14	11,12,33,40,41/09	54289	8	51,52/08;1,10,17,23,24,26,35,36/09	55130	2	14,23,25/09
44461	10	52/08;1,2,13,17,18,20,32,35,39,40/09	53125	2	33/09	54300	12	17,25,33/09	55131	1	23,25/09
44462	4	52/08;1,2,6,20/09	53130	1	11/09	54301	4	5,31/09	55133	3	23/09
44463	9	1,17,18,35,40/09	53135	2	23,33/09	54302	1	25,33/09	55135	1	8/09*
44465	2	52/08;1,2,6,13,17,18,20,31,32,35,40/09	53141	5	14,41/09	54303	4	25/09	55140	2	17,36/09
44481	2	2,18,26,35/09	53147	3	3,15,35/09	54314	2	12,13,17/09	55170	2	8,37/09
51002	7	21/09	53149	3	N10*,N40/09	54318	3	17,36/09	55180	2	52/08
51007	22	52/08;15,23,27,41/09	53160	14	11,12,14,16,41/09	54320	4	51/08;8,11,13,14,17,20,24,25,26,36/09	55190	2	23/09
51013	4	23,32/09	53161	8	3,5,12,13,16,22,28,38,42/09	54321	3	N16*,N24,N36/09	55200	2	32/09
51017	31	36/09	53162	7	3,16,22,42/09	54322	8	51/08;4,11,13,17/09	55205	1	23,32,37/09
51022	11	36/09	53164	9	16,42/09	54327	4	4,14,20,33/09	56011	1	51/08;4,12,22/09
51027	8	38/09	53165	14	N6/09*	54329	4	50/08;11,17,25/09	56031	1	11,14/09
51032	10	38/09	53201	6	33,37,40/09	54330	2	25/09	56060	9	3/09
51041	3	19,21/09	53203	11	23/09	54332	3	13,22,26,27/09	56063	1	5/09
51061	14	18,19,27,41/09	53204	10	23/09	54333	3	51/08	56064	6	5/09
51062	28	18,19,37,41/09	53206	7	N23/09	54334	3	50/08;1,4/09	56065	3	3,5/09
51064	2	27,37/09	53212	3	33/09	54337	4	N19/09*	56067	3	3/09
51081	10	19,21,34/09	53220	7	9,12,25,35,39/09	54339	9	N18/09*	56100	14	10/09
51082	7	21,37/09	53226	3	5,25,27,35/09	54340	8	51,52/08;4,9,14,22,24,26,27,37,41/09	56101	7	24/09
51100	7	51/08;13,15,16,20,22,23,38/09	53263	1	13,37/09	54341	4	2,8,22,26/09	56102	24	24/09
51103	10	37/09	53265	6	37/09	54343	10	50/08;14,16,19,41/09	56120	13	24/09
51109	5	52/08;13,16,20,22,23/09	53268	4	13,37/09	54344	6	50/08;12,14,41/09	56220	4	4/09
51120	6	51/08;16,18,23,27,37,41/09	53269	5	13,17,37/09	54346	9	1,5,16,19/09	57006	5	38/09
51135	2	N31/09*	53279	4	50/08;3,42/09	54349	4	52/08;3,9,22,24,37/09	57029	9	6,26/09
51142	2	13,18,20,41/09	53282	8	32/09	54350	4	51/08;1,9,11,27,30/09	57035	10	34/09
51143	4	18,41/09	53284	4	50/08;3,42/09	54352	3	52/08;9/09	57100	10	25,38/09
51144	3	41/09	53287	6	50/08;3,42/09	54359	2	51/08;2,33,36/09	57101	18	38/09
51145	2	18,41/09	53290	1	17/09	54360	12	51/08;1,9,11,13,24,30,33,36/09	57120	13	38/09
51146	3	51/08;18,41/09	54041	7	23,26,38,40/09	54361	10	51/08;2,24,33,36/09	57160	10	19/09
51150	1	15,18,21,23,41/09	54043	2	17,28,33,38,41/09	54363	3	52/08;8,9,17/09	57162	7	19/09
51154	3	51/08;20/09	54060	5	52/08;3,5,15,25,26,27,28,32,37,41/09	54365	6	52/08;8,17/09	57180	6	52/08
51155	1	51/08;20,21/09	54061	12	N52/08;N23,N27/09	54367	3	19/09	57241	13	N12/09*
51160	21	52/08;21,23/09	54063	3	3/09	54369	4	1,9,11/09	57242	9	25/09*
51165	9	N1/09*	54064	2	28/09	54380	6	51/08;1,9,20,35/09	57245	2	38/09*
51166	4	N1/09*	54081	3	50,52/08	54382	9	11,41/09	57380	3	6/09
51167	7	N1/09*	54082	13	N27/09	54386	10	20,30,35/09	57400	4	26/09
51260	4	36/09	54085	2	52/08;3,5,20,25,39,40/09	54387	7	36/09	57408	2	23/09
51261	23	18,20/09	54090	3	50,52/08;3,5,9,15,20,25,26,28,41,42/09	54388	10	20,30,35/09	57420	3	23/09
51341	23	36/09	54091	1	41/09*	54389	8	51/08	57440	3	23/09
51343	3	36/09	54095	3	3,5,8,20,25,27,29,34,40/09	54400	8	50,51/08;11,13,14,18,24,25,31,36/09	57460	4	13,34/09
51344	2	35/09	54105	3	52/08;8,21,27,28,29,34,40,41/09	54402	4	51/08;18/09	57471	3	23/09
51380	5	36/09	54115	3	14,18,21,25,28,29,33,34,37,41/09	54404	4	8,20,25/09	57482	12	4,23/09
51400	3	36/09				54406	2	2/09	61000	20	6,10,23,26/09
51500	6	22/09				54407	4	50/08;4,24,25,31/09	61003	17	6,23,31/09
51520	4	37/09				54408	4	8,9/09	61020	2	6/09
51540	3	38,41/09							61040	6	10/09
51559	4	9/09*							61050	5	6,23,34/09
51601	9	N1/09*							61060	6	23/09
51642	4	N19/09*							61061	10	6/09
51663	4	5/09*							61090	6	31/09
52031	1	4/09							61092	14	N34/09

SECTION I

NM 42/09

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 50/08 THROUGH NM 42/09

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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.
62000	20	15/09	63090	9	23*,30/09	74003	5	29/09	76071	9	18,22/09
62001	5	1,24,38/09	63091	4	6,7,35/09	74004	2	52/08	76080	8	14,21/09
62028	15	21,22,31,38/09	63100	2	11,35/09	74010	1	N10/09**	76081	7	19,21,22,42/09
62032	16	7,22,25,36/09	63101	17	N14/09*	74011	1	N10/09**	76083	3	13,21/09
62033	3	N7,N22,N25,N36/09	63102	21	N14*,N35/09	74016	3	10/09**	76090	6	23/09
62080	5	15/09	63103	19	N7*,N11,N35/09	74019	1	N10/09**	76120	6	14,19,31/09
62090	7	15/09	63110	4	11,19,35/09	74020	4	10/09	76141	8	22,34/09
62093	8	9/09	63111	10	14,15/09	74021	7	10/09	76142	1	19/09
62095	4	9/09	63120	2	50/08;19,35/09	74045	1	N10/09**	76146	1	15/09
62097	6	15/09	63121	6	50/08;35/09	74171	4	41/09	76147	1	15/09
62098	7	15/09	63150	1	6,24/09	74190	7	11/09	76150	6	15/09
62105	4	N16/09*	63172	5	N4/09	74191	2	11/09**	76161	10	15,16,18/09
62110	10	24/09	63200	5	37/09	74217	1	N11/09**	76162	1	19/09
62143	3	36/09	63201	11	N41/09*	74222	1	N11/09**	76170	7	18/09
62144	3	36/09	63210	3	24/09	74224	1	N11/09**	76171	10	13,19/09
62170	2	33/09	63250	6	35/09	74225	1	N11/09**	81002	6	52/08
62171	4	33/09	63260	6	17,35/09	74235	1	N11/09**	81004	5	37,38/09
62188	4	1/09	63270	7	18/09	74237	2	N22/09*	81025	3	N52/08;N37,N38/09
62225	4	N38/09*	63280	3	7,11/09	74251	8	11/09	81048	10	20,36/09
62230	3	24,38/09	63290	7	6,7,11/09	74255	1	N11/09**	81054	16	7/09
62250	5	33/09	63291	9	6/09	74256	1	N11/09**	81059	1	N52/08
62290	4	24/09	63352	6	16/09	74276	1	N11/09**	81060	2	52/08
62295	4	24/09	63370	2	8/09	74286	2	11/09**	81067	9	14/09*
62313	4	8/09	63380	2	7,11,16/09	74290	12	20/09*	81435	4	5/09*
62314	3	25/09	63390	2	7/09	74292	8	11/09	81453	7	51/08*
62343	4	25/09	63400	1	30/09	74302	1	N12/09	81715	4	39,41/09
62350	3	22/09	63440	4	22,24/09	74312	1	N12/09**	82005	5	52/08
62353	4	22/09	71005	1	7,18,30/09	74341	1	N12/09**	82020	7	8/09
62355	7	22/09	71027	9	6,7,37/09	74342	1	N41/09	82025	3	8/09
62360	5	21,22/09	71040	5	24,26,30,38/09	74343	1	N12/09**	82030	8	8/09
62361	2	N21,N22/09	71043	3	26/09	74346	1	N12/09**	83005	33	40/09
62362	1	22/09	71044	2	24,25/09	74386	1	N12/09**	83010	6	12/09
62364	1	8,22/09	71058	3	N7,N12/09	74397	1	N42/09	83015	8	21/09
62366	4	13/09	71059	2	N7,N12/09	74399	1	N12/09**	83026	32	12,35/09
62377	2	21/09	71061	16	N7,N12/09	74410	3	12/09	83034	1	10/09
62387	3	N23/09*	71066	2	7,22/09	74420	3	12/09	83039	11	10,12,15,35/09
62388	3	N14/09*	71239	4	N23,N32/09	74475	2	10/09	83153	2	7/09*
62389	1	N8/09	71241	11	N8*,N11,N13,N22,N32/09	74491	4	12/09	83251	2	21/09
62391	5	21/09	71243	6	18,32/09	74492	7	12/09**	83252	8	21/09
62392	7	21,25/09	71244	4	14,23,32/09	74493	3	10,12/09	83253	2	21/09
62393	7	25,36/09	71247	19	18/09	74496	1	N12/09**	83254	2	21/09
62394	10	25,36/09	71248	3	N18/09	74589	1	N12/09**	83383	2	25/09
62395	3	25/09	71250	1	N36/09	74590	2	12/09	83385	19	11,25/09
62400	17	7/09	71251	13	N36/09	75000	6	12/09	83425	6	30/09
62403	5	7/09	71252	2	N52/08;N2,N11,N13,N14,N16,N22,N23,N32,N36/09	75052	2	13/09	83484	11	35/09
62404	3	18/09	71253	11	2,14,18,36/09	75119	1	N13/09**	83500	1	10,19,22/09
62411	1	7,15/09	71254	2	N52/08;N14,N36/09	75130	16	52/08	83560	3	19,22/09
62412	13	9,11/09	71255	7	N41/09*	75134	3	52/08;13/09	83567	3	21/09
62413	13	9,11/09	71256	2	N6,N11,N14,N18,N23,N32,N35/09	75136	1	N13/09**	83570	2	10/09
62416	14	36/09	71261	9	16,22,40/09	75137	2	N39/09	83580	2	10/09
62417	1	7,15/09	71262	7	13,16,32/09	75142	5	13/09**	83633	5	25,29/09
62420	5	9/09	71265	4	52/08;2,11,14,16,18,23,32,36/09	75143	4	13/09	83637	4	25,29/09
62440	8	10/09	71271	11	7,32,40/09	75154	1	N13/09**	91005	6	38/09
62444	2	7/09	71272	11	31,36,40/09	75155	1	N13/09**	91008	1	52/08;2,6,8,15,23,27,28,33/09
62446	4	N10/09	71273	3	7,32,36,40/09	75160	6	13/09	91010	6	52/08;2,6,8,15,23,27,28,33/09
62449	4	7/09	71275	4	52/08;7,14,16,18,22,36/09	75162	1	N13/09**	91020	5	23/09
62453	6	N18/09*	71285	4	7,18,32/09	75163	1	N13/09**	91120	3	33/09
62460	4	7,21,25/09	71295	2	7,22/09	75169	1	N14/09**	91140	4	23,33/09
62462	2	7,32/09	71305	2	8,30,32/09	75177	7	38/09	91175	3	1*,23,33/09
62463	2	32/09	71315	2	8,24,30/09	75182	1	N14/09**	91247	6	N14/09*
62480	2	7,21,22,25,36/09	71320	1	11/09	75188	1	N14/09**	91286	10	50/08
62490	2	7/09	71330	1	11/09	75207	2	14/09**	91289	19	50/08
62510	3	7,21,25,36/09	71331	13	11/09	75208	2	14/09**	91331	3	23/09
62512	3	N7,N21,N25,N36/09	71331	11	11/09	75210	1	N14/09**	91340	3	23/09
62515	2	10/09	71332	2	11/09	75212	2	14/09**	92006	5	23/09
62520	6	7,10/09	71333	2	11/09	75222	8	14/09**	92010	3	32/09
62521	4	N7,N10/09	71440	2	11,18,36/09	75223	1	N14/09**	92030	4	23/09
62530	6	7,9/09	72014	10	14/09	75255	1	N14/09**	92440	4	23/09
62531	4	N7,N9/09	72028	7	4/09	75268	1	N14/09**	92470	3	23/09
62540	6	7,24,40/09	72100	7	14/09	75271	1	N14/09**	92560	4	35/09
62541	3	N7,N24,N40/09	72105	2	14/09	75272	1	N14/09**	93006	3	51,52/08;4,6,11,28/09
62550	3	7,9/09	72107	2	14/09	75273	2	N14/09**	93010	6	6,7,24,26,27,30,35,37/09
62570	4	24/09	72110	9	14/09	76015	1	13,14,22,23,25,32/09	93018	8	6,7,24,26,30,35,37/09
62590	3	24/09	72143	5	32/09	76020	7	8/09	93036	11	51/08;6,11,28/09
62591	4	N24/09	72173	2	14/09	76030	9	8/09	93048	1	11/09
63000	13	6,19,21,31,35/09	73014	10	23/09	76040	8	14,16/09	93050	1	N37/09
63005	18	11,19,35/09	73081	2	14/09*	76041	2	13,15,16,19,31/09	93110	2	6,11/09
63010	14	6,24/09	73341	8	23/09	76050	8	14,20,21,22,23,25,32/09	93113	3	N7,N22/09
63015	11	7,11/09	73395	1	N10/09**	76052	8	13,14,15,20,21,22,23,25,30,32/09	93115	3	N30/09*
63050	2	9,20,21,31/09	73398	1	N10/09**	76054	5	14,21/09	93117	3	7,11/09
63053	5	9/09	74000	6	41/09	76056	3	19,22,25/09	93160	4	6,12,24,30/09
63054	3	9,31/09	74001	1	N10/09**	76060	7	13,22,23/09	93180	8	N24,N30,N35,N37/09
63060	7	6,9,21,35/09	74002	2	52/08;29,33/09	76061	3	14,16,19,22,23/09	93200	4	24,30,35,37/09
63062	8	6,7,8,11,18,21,35/09				76070	9	13/09	93220	6	24,26,27,35,37/09
63063	9	6,35/09							93240	11	24,26,27,28,35,37/09
63070	4	7,8,11,17,18,19,35/09									
63080	6	6,35/09									

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 50/08 THROUGH NM 42/09

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.
93241	9	25,26,28/09	95141	8	6,9,11,14,27/09	97140	17	51/08;6,15,16,25,30,32,34,35,36,37/09	97441	5	24/09
93243	6	25/09	95142	9	42/09	97141	5	4,6,15/09	97443	6	24/09
93244	8	25,37/09	95143	12	N6,N8,N13,N14,N22/09	97143	12	51/08;1,4,6,15,30/09	97460	7	6,12,16,19,37/09
93245	6	25,30,35/09	95144	10	9,18,31,32,37/09	97144	14	51/08;1,4,6,15,16,30/09	97461	9	6,12,14,16,19,37/09
93248	1	26,35/09	95146	16	27,31/09	97145	2	30,37/09	97465	9	6,12,14,23,34/09
93249	1	30,37/09	95149	10	6,22,27,30,32,40/09	97146	10	51/08;3,30/09	97466	2	6,12,23,25/09
93260	8	24,26,28,35/09	95151	18	8,22,32,40/09	97148	9	52/08;1,4,15,38/09	97469	10	12,34/09
93261	5	28,35/09	95152	6	22,40/09	97149	21	N24*,N30/09	97471	6	N25/09*
93650	2	8,9/09	95160	13	24,25,37,41/09	97150	13	30/09	97472	8	6,12/09
93710	3	8/09	95161	16	9,11,13,21,28,40,41,42/09	97151	17	1,4,15,30/09	97473	7	16/09
93720	11	51/08;6,13,25/09	95162	2	51/08;4,9/09	97155	15	30/09	97474	7	12/09
93721	6	N51/08;N6,N8,N13,N22,N25,N36/09	95163	2	31/09	97159	6	25,34,37/09	97480	8	6,8,15/09
93726	5	6,21/09	95164	4	4,22/09	97167	3	25/09	97481	6	34/09
93728	2	7/09	95167	11	N35/09*	97180	6	26,31,32,34,36,37/09	97483	7	32,38/09
93730	4	51/08;4,6,8,11,13,25/09	95169	2	4,9,41,42/09	97181	20	26,30,32,36,37/09	97564	3	34/09
93733	14	N51/08;N4,N6,N13,N40/09	95171	1	8,13,23/09	97182	14	N33/09*	800113	6	N26/09*
93734	13	N51/08;N6,N13/09	95177	1	13,22/09	97183	9	30,36/09	800669	9	N26*,N34/09
93736	25	N51/08;N6,N31,N40/09	95180	11	8,11,13,23,41/09	97184	16	N35/09*	800744	1	N51/08;N3,N26,N41/09
93778	8	16/09	95200	6	14/09	97187	3	36/09	801217	1	N6,N12,N16/09
94004	6	52/08;2,6,15,34/09	95250	4	21,23,36,41/09	97189	2	30/09	801959	2	N21/09
94016	2	6,9,12,15,16,19,26,34,37/09	95255	2	24,25/09	97190	2	26,31,32,36,37/09	802184	4	N52/08
94028	7	6,7,10,14,24,25,37/09	95258	3	25,40/09	97200	9	38/09	802260	6	N26*,N34/09
94033	5	6,8,9,15,23,38/09	95261	7	24,25,26,38/09	97201	7	26/09	803222	1	N31/09*
94040	14	52/08;6,15/09	95264	9	N39/09	97202	9	31,38/09	804233	1	N31/09*
94042	9	6,7,9/09	95267	6	37/09	97204	9	31,38/09	804344	1	N31/09*
94060	12	2,15/09	95271	4	26/09	97218	3	37/09	804567	4	N40/09
94063	5	28/09	95273	2	24,25/09	97219	4	37/09	805118	3	N52/08
94067	11	51/08;6,15,27,28/09	95274	4	24,25,26,38/09	97221	21	N18*,N31,N35,N41/09	805576	1	N31/09*
94080	7	52/08;15,28/09	95280	10	24,26/09	97222	12	31,41/09	805647	2	N32/09
94082	9	16,28/09	95281	15	42/09	97225	32	31,41/09	805980	4	N24,N41/09
94083	12	16/09	95282	7	26,38/09	97228	16	N34/09*	806413	1	N31/09*
94084	1	16/09	95285	3	26/09	97231	11	37/09	806464	1	N31/09*
94120	7	6,8,15,28,34/09	95300	6	34,37/09	97232	9	31/09	806675	1	N31/09*
94122	8	N39/09*	95320	15	41/09	97233	12	35,39/09	807448	2	N24,N41/09
94123	9	6,15,28,34/09	95341	9	N8*,N34,N35,N41,N42/09	97234	17	35/09	808528	1	N41/09
94124	15	N6,N15/09	96000	5	24/09	97236	20	31/09	808916	4	N6/09*
94127	2	28/09	96004	14	14,21,24,29/09	97238	11	31/09	809310	9	N12,N21/09
94160	9	34/09	96036	2	41/09	97239	10	35,37/09	809381	1	N31/09*
94164	2	51/08;9/09	96039	7	14/09	97241	6	35,36/09	809679	2	N30/09
94165	4	52/08;8,9/09	96041	11	39/09	97243	9	N31,N34,N37,N39/09	809780	1	N13,N37/09
94180	9	51/08;9,16/09	96042	11	17,39/09	97244	5	39/09			
94184	2	N16/09	96043	8	14/09	97246	7	31/09			
94188	2	52/08;6,10/09	96181	5	39/09	97251	4	31/09			
94203	10	6,8,9,10/09	96200	5	17,24/09	97261	15	31,35,36,38/09			
94207	5	N6/09	96660	4	41/09	97263	10	31,35/09			
94220	4	6,8,10/09	96760	4	36,38/09	97266	5	26,28,31,35,36,38,39,41/09			
94260	5	6,10/09	96762	4	36,38/09	97267	16	28,39/09			
94280	5	7,23/09	96763	7	36,38/09	97269	12	N39/09*			
94281	7	N7/09	96764	3	36/09	97270	7	N38/09			
94282	9	2/09	96900	4	24,36/09	97271	12	31,41/09			
94283	8	N18/09	96901	3	24,36/09	97272	11	27,35,41/09			
94287	2	2/09	96906	2	24/09	97273	11	27,31,41/09			
94290	2	2,6/09	96938	4	24/09	97274	19	31,40/09			
94322	14	38/09	96939	3	24,36/09	97277	12	26,31,35,39,41/09			
94360	6	3,6,8,11,15,18,23/09	96940	1	N24/09	97278	12	31,38/09			
94363	4	11,13,15,18/09	96941	8	3,23,24,32,38/09	97279	10	N14/09*			
94380	4	N6/09	96942	10	N5*,N23/09	97283	4	N31/09			
94420	3	51/08;6,9,15,23/09	96943	15	21,23,29,36,38,41/09	97285	7	41/09			
94421	11	7,15/09	96944	6	26,42/09	97286	7	34,41/09			
94423	12	7,15/09	96945	3	21,23,24,29,38,41/09	97287	6	34/09			
94427	2	N51/08	96948	8	21,36/09	97300	6	30,36,38/09			
94440	3	6,38/09	96949	21	21/09	97320	6	38/09			
95016	8	14,23,29/09	96960	3	3,23,24,32,36/09	97340	8	26,34/09			
95060	14	23,28,42/09	96962	4	21,36/09	97342	14	34/09			
95065	6	28/09	97005	9	21,22,23,25,29,36/09	97343	12	34/09			
95066	12	28,32,41/09	97015	10	7,25,35,37/09	97360	6	23,24,37/09			
95067	14	41/09	97021	7	7,25,26,31,37/09	97380	7	8,9,10,14,16,17,24,25/09			
95080	14	8,9,11,13,18,22,28,31,32,34,39,40,42/09	97026	10	7,26,29,38/09	97381	7	37/09			
95082	10	N1*,N8,N31,N32,N34,N39,N41/09	97029	3	7,25,32,35,37/09	97383	16	24,25,37/09			
95083	8	9,22,27/09	97040	5	22,30/09	97385	11	25/09			
95084	7	32/09	97042	7	22,30/09	97386	6	40/09			
95085	4	51,52/08	97043	2	26/09	97387	3	36/09			
95086	5	51,52/08	97060	8	22,27,30/09	97390	6	N13*,N14,N25,N34/09			
95100	13	52/08;9,11,14,26,28,31,32/09	97061	4	22/09	97391	27	34/09			
95101	8	9,18,22,26,28,30/09	97062	13	10*,22,39/09	97392	5	17,25,34/09			
95102	8	9,11,22,30/09	97063	2	30/09	97396	14	8,9,10,14,17,25/09			
95103	8	51,52/08;9,14,23,27,30,32,42/09	97064	2	22,30/09	97397	8	N9*,N10,N14,N17/09			
95120	9	52/08	97065	2	22/09	97398	4	9,10/09			
95138	9	N14/09	97080	6	22,26/09	97400	4	8,10,37,39/09			
95140	15	22,24,25,37/09	97082	6	N39/09	97409	5	26/09			
			97100	4	7,26/09	97410	9	25,36/09			
			97101	2	30/09	97412	7	25/09			
			97108	4	30/09	97420	17	24,25,36,41/09			
			97120	6	52/08;4,6,15,16,30,37/09	97423	3	N25/09			
						97425	7	N5*,N25,N36/09			
						97440	8	26,37/09			

SECTION II
NGA/DLIS CATALOG CORRECTIONS

NM 42/09

Note: Underlining indicates that column in which a correction has been made or new information added.			Edition		Price Category	NTM
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date		
REGION 1						
11BCO11363 (7642014010189)	Chandeleur and Breton Sounds (LORAN-C)	80,000	<u>42</u>	<u>9/09</u>	NOS	42/09
11AHA11364 (7642014010134)	Mississippi River-Venice to New Orleans	80,000	<u>43</u>	<u>9/09</u>	NOS	42/09
11XHA11534 (7642014010277)	Myrtle Grove Sound and Cape Fear River to Casino Creek	40,000	<u>36</u>	<u>8/09</u>	NOS	42/09
18AHA18751 (7642014011534)	Los Angeles and Long Beach Harbors	12,000	<u>46</u>	<u>8/09</u>	NOS	42/09
REGION 3						
37BHA37001 (7642015122616)	Canceled					42/09
37BHA37002 (7642015122617)	Canceled					42/09
37AHA37009 (7642015122624)	Canceled					42/09
37XHA37011 (7642015122625)	Canceled					42/09
37BHA37012 (7642015122626)	Canceled					42/09
37BHA37013 (7642015122627)	Canceled					42/09
37BHA37014 (7642015122628)	Canceled					42/09
37BHA37018 (7642015122631)	Canceled					42/09
37BHA37022 (7642015122635)	Canceled					42/09
37BHA37023 (7642015122636)	Canceled					42/09
37XHA37026 (7642015122637)	Canceled					42/09
37AHA37029 (7642015122642)	Canceled					42/09
REGION 4						
44ACO44067 (7642014012828)	Kiel Bay <u>54 57 00N 9 24 30E</u> <u>55 00 00N 12 10 00E</u>	<u>150,000</u>	<u>23</u>	<u>8/09</u>	A	42/09
44AHA44182 (7642014012546)	Stockholms Hamn <u>59 18 00N 17 57 07E</u> <u>59 22 39N 18 11 17E</u>	<u>12,500</u>	<u>5</u>	<u>7/09</u>	<u>DS</u>	42/09
44AHA44185 (7642014012800)	Sandhamn Entrance to Stockholm <u>59 09 10N 18 40 23E</u> <u>59 09 10N 19 08 24E</u> <u>59 18 34N 19 08 24E</u> <u>59 18 34N 18 49 48E</u> <u>59 18 52N 18 49 48E</u> <u>59 18 52N 18 48 24E</u> <u>59 18 34N 18 48 24E</u> <u>59 18 34N 18 40 23E</u>	25,000	<u>8</u>	<u>7/09</u>	<u>DS</u>	42/09

**SECTION II
NGA/DLIS CATALOG CORRECTIONS**

Note: Underlining indicates that column in which a correction has been made or new information added.			Edition		Price Category	NTM
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date		
	MISCELLANEOUS CHARTS AND PUBLICATIONS					
NOSPBCP4 (7642014008449)	<u>No. 4 Atlantic Coast: Cape Henry, VA to Key West, FL, 2009</u>				NOS	42/09

Price Categories effective 1 October 2009

A	21.00	E	10.75	G	6.25
D	13.00	F	10.75	H	10.75

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 GPO Government Printing Office
 NOS National Ocean Service
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 DHO Danish Hydrographic Office
 AHS Australian Hydrographic Service
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SECTION II
NAVIGATION PUBLICATIONS

NM 42/09

COAST PILOT CORRECTIONS

**COAST PILOT 2 38 Ed 2009 Change No. 28
LAST NM 38/09**

Page 191—Paragraph 33, lines 2 to 4; read:

Tern Island and Chatham. In June 2009, the controlling depth of the channel was 6.3 feet, thence 4.7 to 8 feet in the basin, except shoaling to 2.5 feet within 20 feet of the northern limit, with lesser depths along the east side. Conditions ...

(CL 1184/09) 42/09

Page 195—Paragraph 92, lines 4 to 5; read:

subject to shoaling. In July 2009, the controlling depth in the entrance channel was 5.4 feet (7.8 feet at midchannel) except shoaling to 1.5 feet in the right outside quarter near Harding Beach Point.

(CL 1186/09) 42/09

Page 227—Paragraph 195, line 5 to Paragraph 197, line 2; read:

barrels or more of petroleum and hazardous cargoes. Federal and State pilots are available from Northeast Marine Pilots, Inc. and from Boston Coastwise Pilots. Northeast Marine Pilots, Inc., Newport, RI 02840; <http://www.nemarinepilots.com>; telephone 401-847-9050 (24 hours), 800-274-1216; FAX 401-841-9052; email: dispatch@nemarinepilots.com. Boston Coastwise Pilots is in Winthrop, MA 02152; telephone 617-510-0082, 508-801-4904; email: boscopilots@aol.com. Twenty-four hour advance notice and 3 hour updates are requested.

The Northeast Marine pilot boats which serve the canal and Buzzards Bay are the NORTHEAST I and NORTHEAST V. The NORTHEAST I is a 37-foot boat with a black hull and white superstructure. The NORTHEAST V is a 38-foot boat with a black hull and gray superstructure. Both boats have the word PILOT on both sides.

The pilot boats NORTHEAST II and NORTHEAST IV serve for boarding eastbound vessels.

(CL 1330/09) 42/09

Page 241—Paragraph 33 to Page 242—Paragraph 36; read:

Federal and State pilots for Narragansett Bay are available from Northeast Marine Pilots, Inc., Newport, RI 02840; <http://www.nemarinepilots.com>; telephone 401-847-9050 (24 hours), 800-274-1216; FAX 401-847-9052; email: dispatch@nemarinepilots.com.

(CL 1330/09) 42/09

Page 242—Paragraph 44, line 2; read:

vessels in coastwise trade are available from the Northeast Marine Pilots (see above for contact information) and the Connecticut ...

(CL 1330/09) 42/09

Page 263—Paragraph 27; read:

Pilotage is compulsory for foreign flag vessels and U.S. vessels which are under register (i.e. engaged in foreign trade) in Block Island Sound and Long Island Sound. Vessels should not enter Block Island Sound or Long Island Sound without a state licensed pilot. See Pilotage, Long Island Sound (indexed as such), chapter 8. The Point Judith Pilot Station is the primary pilot boarding location for entry into Block Island Sound and Long Island Sound. Vessels bound for Long Island Sound ports may board pilots at the Point Judith Pilot Station, centered on 41°17.0'N., 71°30.5'W. There is a secondary pilot station which may be used with special arrangement at any point south of the Montauk Point Pilot Station, centered on 41°02.0'N., 71°42.0'W.

(CL 1329/09) 42/09

Page 270—Paragraph 105, lines 1 to 4; read:

Pilots, by special arrangement during favorable weather conditions, may meet a ship with less than 38-foot draft off Montauk Point bound for Long Island Sound. Foreign flag vessels and U.S. vessels which are under register can arrange for a state licensed pilot by contacting the joint rotation administrator, Block Island Pilots at 243 Spring Street, Newport, RI 02840; telephone 401-847-9050 (24 hours), 800-274-1216; FAX 401-847-9052. U.S. vessels engaged in coastwise trade (enrolled work) in need of pilotage services can contact the various pilot organizations directly. For telephone number, FAX number, cable address, ...

(CL 1329/09) 42/09

Page 270—Paragraph 106; strike out.

(CL 1329/09) 42/09

Page 270—Paragraph 107, line 2; read:

in excess of 38 feet are advised to not transit the ...

(CL 1222/09) 42/09

Page 288—Paragraph 23; read:

Pilotage by a state licensed pilot is compulsory in Long Island Sound for foreign flag vessels and U.S. vessels which are under register (i.e. engaged in foreign trade). Such vessels can arrange for a state licensed pilot by contacting the joint rotation administrator, Block Island Pilots at 243 Spring Street, Newport, RI 02840; telephone 401-847-9050

COAST PILOT 2 (Continued)

(24 hours), 800-274-1216; FAX 401-847-9052. Enrolled vessels (i.e. U.S. vessels engaged in coastwise trade) may be required to have a U.S. Coast Guard Federally licensed pilot unless the master has recency for the intended area.

(CL 1329/09; CL 1343/09) 42/09

Page 288—Paragraph 26, line 1; read:

Pilot services must be arranged at least 24 ...
(CL 1329/09) 42/09

Page 288—Paragraph 27, line 1; read:

Pilotage, in the waters of Long Island Sound for enrolled vessels (i.e. U.S. vessels engaged in coastwise trade), is ...
(CL 1329/09) 42/09

Page 288—Paragraph 28 to Page 289—Paragraph 30; read:

Northeast Marine Pilots, Inc., 243 Spring Street, Newport, RI 02840; <http://www.nemarinepilots.com>; telephone 401-847-9050 (24 hours), 800-274-1216; FAX 401-847-9052. Pilot boats are NORTHEAST IV, 52-foot, gray hull and superstructure, word PILOT on both sides and NORTHEAST II, 47-foot, gray hull and superstructure, word PILOT on both sides. The boats monitor VHF-FM channels 16, 10, 13, 14; work on 10.

Interport Pilots Agency, Inc./Connecticut State Pilots, P.O. Box 236, Port Monmouth, NJ 07758; <http://www.interportpilots.com>; telephone 732-787-5554 (24 hours); email: interport@verizon.net. Pilot boats are CONNECTICUT PILOT, 65-foot with blue hull and white superstructure and KEN JOHNSON, 48-foot with blue hull and white superstructure. These boats monitor VHF-FM channels 16 and 13, work on 11, and are equipped with AIS.

Constitution State Pilots Association, 9 Nottingham Drive, Old Lyme, CT 06371, telephone 203-627-5057. Pilot boat is CONSTITUTION, 65-foot with black hull and white superstructure displaying the word PILOT on both sides. The boat monitors VHF-FM channels 16, 13, and 9A; works on 13 or 9A.

(CL 1329/09; CL 1222/09) 42/09

Page 289—Paragraph 31; read:

Connecticut River Pilots Association (CRPA), P.O. Box 107, Old Saybrook, CT 06475; telephone 860-388-4167. Pilot boat TRUDEE II is 36-foot, with black hull, white superstructure, and with the word PILOT on the house, forward. The boat monitors VHF-FM channels 16 and 13; works on 13.

(CL 1329/09; CL 1222/09) 42/09

Page 291—Paragraph 59; read:

Pilotage by a state licensed pilot is compulsory in Long Island Sound for foreign flag vessels and U.S. vessels which

are under register (i.e. engaged in foreign trade). Such vessels can arrange for a state licensed pilot by contacting the joint rotation administrator, Block Island Pilots at 243 Spring Street, Newport, RI 02840; telephone 401-847-9050 (24 hours), 800-274-1216; FAX 401-847-9052. Enrolled vessels (i.e. U.S. vessels engaged in coastwise trade) may be required to have a U.S. Coast Guard Federally licensed pilot unless the master has recency for the intended area. See Pilotage, Long Island Sound (indexed as such), chapter 8.
(CL 1329/09) 42/09

Page 291—Paragraph 60 to Page 292—Paragraph 62; strike out.

(CL 1329/09) 42/09

COAST PILOT 2 38 Ed 2009 Change No. 29

Page 298—Paragraph 142; read:

Pilotage by a state licensed pilot is compulsory in Long Island Sound for foreign flag vessels and U.S. vessels which are under register (i.e. engaged in foreign trade). Such vessels can arrange for a state licensed pilot by contacting the joint rotation administrator, Block Island Pilots at 243 Spring Street, Newport, RI 02840; telephone 401-847-9050 (24 hours), 800-274-1216; Fax 401-847-9052. Enrolled vessels (i.e. U.S. vessels engaged in coastwise trade) see Pilotage, Long Island Sound (indexed as such), chapter 8.

(CL 1329/09) 42/09

Page 309—Paragraph 303; read:

Pilotage by state licensed pilot is compulsory in Long Island Sound for foreign flag vessels and U.S. vessels which are under register (i.e. engaged in foreign trade). Such vessels can arrange for a state licensed pilot by contacting the joint rotation administrator, Block Island Pilots at 243 Spring Street, Newport, RI 02840; telephone 401-487-9050 (24 hours), 800-274-1216; FAX 401-847-9052. Enrolled vessels (i.e. U.S. vessels engaged in coastwise trade) may be required to have a U.S. Coast Guard Federally licensed pilot unless the master has recency for the intended area. See Pilotage, Long Island Sound (indexed as such), chapter 8.

(CL 1329/09) 42/09

Page 309—Paragraph 304 to Page 310—Paragraph 307; strike out.

(CL 1329/09) 42/09

Page 315—Paragraphs 387 to 395; read:

Pilotage by a state licensed pilot is compulsory in Long Island Sound for foreign flag vessels and U.S. vessels which are under register (i.e.) engaged in foreign trade). Such vessels can arrange for a state licensed pilot by contacting the

COAST PILOT 2 (Continued)

joint rotation administrator, Block Island Pilots at 243 Spring Street, Newport, RI 02840; telephone 401-847-9050 (24 hours), 800-274-1216; FAX 401-847-9052. Enrolled vessels (i.e. U.S. vessels engaged in coastwise trade) may be required to have a U.S. Coast Guard Federally licensed pilot unless the master has recency for the intended area. See Pilotage, Long Island Sound (indexed as such), chapter 8 and Pilotage, New York Harbor and Approaches, (indexed as such), chapter 11.

(CL 1329/09) 42/09

Page 316—Paragraph 417 to Page 317—Paragraph 424; read:

Pilotage by a state licensed pilot is compulsory in Long Island Sound for foreign flag vessels and U.S. vessels which are under register (i.e. engaged in foreign trade). Such vessels can arrange for a state licensed pilot by contacting the joint rotation administrator, Block Island Pilots at 243 Spring Street, Newport, RI 02840; telephone 401-847-9050 (24 hours), 800-274-1216; Fax 401-847-9052. Enrolled vessels (i.e. U.S. vessels engaged in coastwise trade) may be required to have a U.S. Coast Guard Federally licensed pilot unless the master has recency for the intended area. See Pilotage, Long Island Sound (indexed as such), chapter 8 and Pilotage, New York Harbor and Approaches (indexed as such), chapter 11.

(CL 1329/09; CL 1343/09) 42/09

Page 320—Paragraph 22, lines 1 to 2; read:

Pilotage by a state licensed pilot is compulsory in Long Island Sound for foreign flag vessels and U.S. vessels which are under register (i.e. engaged in foreign trade), Enrolled vessels (i.e. U.S. vessels engaged in coastwise trade) may be required to have a U.S. Coast Guard Federally licensed pilot unless the master has recency for the intended area. For vessels ...

(CL 1222/09; CL 1343/09) 42/09

Page 322—Paragraph 44; read:

Pilotage by a state licensed pilot is compulsory in Long Island Sound for foreign flag vessels and U.S. vessels which are under register (i.e. engaged in foreign trade). Such vessels can arrange for a state licensed pilot by contacting the joint rotation administrator, Block Island Pilots at 243 Spring Street, Newport, RI 02840; telephone 401-847-9050 (24 hours), 800-274-1216; FAX 401-847-9052. Enrolled vessels (i.e. U.S. vessels engaged in coastwise trade) may be required to have a U.S. Coast Guard Federally licensed pilot unless the master has recency for the intended area. See Pilotage, Long Island Sound (indexed as such), chapter 8. See also Pilotage, Narragansett Bay and Other Rhode Island

Waters (indexed as such), chapter 6, and Pilotage Pickup Locations Off Montauk Point (indexed as such), chapter 7.
(CL 1329/09; CL 1343/09) 42/09

Page 322—Paragraph 45 to Page 323—Paragraph 48; strike out.

(CL 1329/09; CL 1343/09) 42/09

Page 327—Paragraph 122; read:

Pilotage by a state licensed pilot is compulsory in Long Island Sound for foreign flag vessels and U.S. vessels which are under register (i.e. engaged in foreign trade). Such vessels can arrange for a state licensed pilot by contacting the joint rotation administrator, Block Island Pilots at 243 Spring Street, Newport, RI 02840; telephone 401-847-9050 (24 hours), 800-274-1216; FAX 401-847-9052. Enrolled vessels (i.e. U.S. vessels engaged in coastwise trade) see Pilotage, Long Island Sound (indexed as such), chapter 8.

(CL 1329/09) 42/09

Page 332—Paragraph 184, lines 6 to 9; read:

June-July 2008, the controlling depths were 9.5 feet at mid-channel to the first fixed bridge about 0.8 mile above the entrance (though numerous boats and barges in the channel obstructed a full survey of the area), thence 6.0 feet at mid-channel to the basin, thence 6.4 in the basin, thence in ...

(CL 829/08; BPs 192556-61) 42/09

Page 339—Paragraphs 284 to 293; read:

Pilotage by a state licensed pilot is compulsory in Long Island Sound for foreign flag vessels and U.S. vessels which are under register (i.e. engaged in foreign trade). Such vessels can arrange for a state licensed pilot by contacting the joint rotation administrator, Block Island Pilots at 243 Spring Street, Newport, RI 02840; telephone 401-847-9050 (24 hours), 800-274-1216; FAX 401-847-9052. Enrolled vessels (i.e. U.S. vessels engaged in coastwise trade) may be required to have a U.S. Coast Guard Federally Licensed pilot unless the master has recency for the intended area. See Pilotage, Long Island Sound (indexed as such), chapter 8 and Pilotage, New York Harbor and Approaches (indexed as such), chapter 11.

(CL 1329/09; CL 1343/09) 42/09

Page 355—Paragraph 3; insert after:

South shore inlets and bays are prone to extreme shoaling and depths as low as 1 to 2 feet at low tide. The location of marked channels is subject to change in order to mark best water.

(CL 1329/09) 42/09

COAST PILOT 2 (Continued)

Page 357—Paragraph 35, line 4; read:
range from 5 to 7 feet and as low as 1 to 2 feet at low tide,
but the southern part is shoal. The marked channel may be
shifted significantly to the north in order to mark best water.
(CL 1329/09) 42/09

Page 357—Paragraph 36, lines 3 to 4; read:
Inlet, extreme care must be taken as this area is prone to ex-
treme shoaling.
(CL 1329/09) 42/09

Page 358—Paragraph 44, lines 3 to 8; read:
water in Moriches Bay. Weather continuously changes the
jettied entrance which is subject to extreme shoaling. Both
east and west jetties are marked by a light and the approach
to the inlet is marked by a lighted whistle buoy. Due to
rapidly changing shoaling conditions and existing dangers in
Moriches Inlet, it is considered unsafe for mariners to navi-
gate this inlet at any time. Buoys are not maintained in this
inlet.
(CL 1329/09) 42/09

Page 361—Paragraph 102, line 4; read:
South Bay. The inlet is subject to extreme shoaling and ...
(CL 1329/09) 42/09

Page 365—Paragraph 154, lines 9 to 12; read:
regulations.)
(CL 275/00) 42/09

Page 413—Paragraph 229, lines 3 to 15; read:
span with a clearance of 55 feet. The vertical lift highway
bridge 0.5 mile upstream has a clearance of 29 feet down and
60 feet up. (See **117.1 through 117.59 and 117.791**, chapter
2, for drawbridge regulations.) A rock ledge is on the east
side of the river at the bridge in about 42°44'07"N.,
73°41'22"W. In 1978, the **Green Island Bridge (State
Route 7)**, a fixed highway bridge with a design clearance of
60 feet, was under construction at Mile 132.9.
(CL 101/85) 42/09

COAST PILOT 4 **41 Ed 2009** **NEW EDITION**
(NOS) 42/09

COAST PILOT 5 **37 Ed 2009** **Change No. 15**
LAST NM 37/09

Page 98—Paragraph 1158, lines 2 to 4; read:
mile 19.3 near Echo shall open on signal if at least 14 days
notice to given.
(FR 8/28/09) 42/09

Page 198—Paragraphs 3639 to 3647; read:
§334.786 [Removed]
(FR 8/27/09) 42/09

Page 285—Paragraph 35, lines 4 to 5; read:
Panacea. In June 2009, the controlling depth was 3.6 feet
(4.3 feet at midchannel) to the public wharf.
(DDs 15286-88) 42/09

Page 288—Paragraph 75, lines 6 to 7; read:
protected by twin jetties. In November 2008-May 2009, the
controlling depth was 8.4 feet (10 feet at midchannel). The
...
(DDs 15298-99) 42/09

Page 288—Paragraph 79, lines 7 to 9; read:
Light TM. In April 2009, the controlling depth in was 2.7
feet (3.5 feet at midchannel), thence 2.5 feet (3.1 feet at mid-
channel) in the W channel and 3.4 feet (4.3 feet at mid-
channel) in the E channel. An entrance ...
(DDs 15250-53) 42/09

Page 288—Paragraph 80, lines 3 to 5; read:
basin in **Scipio Creek**. In May 2009, the controlling depth in
the channel was 5.4 feet (6.9 feet at midchannel), thence 6.5
to 8.5 feet was ...
(DD 15275) 42/09

Page 297—Paragraph 212, lines 3 to 5; read:
fixed highway bridge at Freeport. In May 2009, the control-
ling depth was 3.9 feet (7.2 feet at midchannel) in the chan-
nel with 4.1 to 12.0 feet in the basin.
(DDs 15276-80) 42/09

Page 300—Paragraph 248, line 1; read:
The channels are marked by a lighted range, lights, ...
(LL/09; NOS 11383) 42/09

Page 303—Paragraph 291, lines 2 to 3; read:
N arm of East Bay. In June 2009, the controlling depth was
5.9 feet to Light 33, thence 8.9 ...
(DDs 15363-74) 42/09

Page 308—Paragraph 18, line 3; read:
river. The federal project depth is 45 feet to and in a turning
...
(CL 1075/09; Internet/09) 42/09

Page 313—Paragraph 69, lines 3 to 6; read:
McDuffie Island and the mainland. In July 2009, the con-
trolling depth was 6.3 feet (8.4 feet at midchannel) to about
0.3 mile above the turning basin, thence 2.1 feet to the cause-

COAST PILOT 5 (Continued)

way.

(CL 1116/09)

42/09

Page 334—Paragraph 347; strike out.

(CL 1054/09; 26/09 CG8)

42/09

Page 318—Paragraph 156, lines 4 to 7; read:

to an anchorage basin at Dauphin Island Village. In July 2009, the controlling depth in the entrance channel was 4.4 feet (5.3 feet at midchannel), thence 3.3 to 6.9 feet in the basin. The channel is marked with lights ...

(CL 1169/09)

42/09

Page 337—Paragraph 378, line 13; read:

mile W of the Mississippi River-Gulf Outlet Canal. In July 2009, Bayou Bienvenue was reported to be completely closed to mariners due to construction of a vertical lift gate approximately 0.25 mile E of the Mississippi River-Gulf Outlet. The lift gate has a design clearance of 35 feet and is scheduled to be completed in June 2011.

(CL 1054/09; 26/09 CG8)

42/09

Page 318—Paragraph 158, lines 11 to 14; read:

the anchorage basin to Dauphin Island Bay. In June 2009, the controlling depth was 2.9 feet (5.0 feet at midchannel) in the entrance channel to the basin, thence 2.2 to 7.0 feet in the basin, thence 3.2 (4.6 ...

(CL 1074/09)

42/09

Page 349—Paragraph 58, lines 11 to 12; read:

entrance to the safety fairways off the passes. This keeps them out of the strongest part ...

(CL 1054/09; 26/09 CG8)

42/09

COAST PILOT 5 37 Ed 2009 Change No. 16

Page 325—Paragraph 239, lines 12 to 13; read:

U.S. Route 90 highway bridge. In May 2009, the controlling depth was 6.0 feet (6.5 feet at midchannel) to Light 18; thence in October 2008, 8.4 ...

(CL 1096/09)

42/09

Page 360—Paragraph 190, lines 1 to 4; read:

The navigation of vessels in the Mississippi River and the Inner Harbor Navigation Canal to its junction with the Mississippi River-Gulf Outlet Canal are under the jurisdiction ...

(CL 1054/09; 26/09 CG8)

42/09

Page 327—Paragraph 261, lines 4 to 9; read:

the entrance to Industrial Seaway. In July 2009, the controlling depth was 9.9 feet (10.9 feet at midchannel) from State Route 90 highway bridge to State Route 110 highway bridge; thence 11.7 feet to Popp's Ferry Road highway bridge; thence in February 2008, 3.5 feet (8.8 feet at midchannel) to the ...

(CL 1171/09)

42/09

**COAST PILOT 7 41 Ed 2009 Change No. 25
LAST NM 41/09**

Page 188—Paragraph 3424, line 6; read:

port security, safety or environmental safety.

Page 327—Paragraph 266, lines 4 to 5; read:

turning basin. In July 2009, the controlling depth in the channel was 6.0 feet, thence 3.4 to 8.8 feet in the basin.

(CL 1171/09)

42/09

**§165.1322 Regulated Navigation Area: Willamette River
Portland, Oregon Captain of the Port Zone.**

(a) *Location.* The following is a regulated navigation area (RNA): All waters of the Willamette River encompassed by a line commencing at

45°34'47"N., 122°45'28"W. along the shoreline to

45°34'47"N., 122°45'30"W., thence to

45°34'47"N., 122°45'30"W., thence to

45°34'48"N., 122°45'30"W., thence to

45°34'48"N., 122°45'30"W., thence to

45°34'48"N., 122°45'28"W., thence to

45°34'47"N., 122°45'28"W. and back to the point of origin. All coordinates reference 1983 North American Datum (NAD 83).

(b) *Regulations.* (1) Motoring, anchoring, dragging, dredging, or trawling are prohibited in the regulated area.

(2) All vessels transiting or accessing the regulated area shall do so at a no wake speed or at the minimum speed to maintain steerage.

Page 332—Paragraph 315, lines 2 to 4; read:

available at several commercial wharves by truck. Fresh water is piped to all berths. Marine ...

(CL 1106/09)

42/09

Page 332—Paragraph 317, lines 3 to 4; read:

yachts and party fishing vessels. Berths, electricity, gasoline, ice, water, launching ramps, and marine ...

(CL 1106/09)

42/09

**§165.1323 Regulated Navigation Area: Willamette River
Portland, Oregon Captain of the Port Zone.**

Page 333—Paragraph 325, lines 6 to 7; read:

moles. In July 2009, the controlling depth was 7 feet in the entrance channel and 4.6 to 6.4 feet in the ...

(CL 1076/09)

42/09

COAST PILOT 7 (Continued)

(a) *Location.* The following is a regulated navigation area (RNA): All waters of the Willamette River encompassed by a line commencing at

45°34'33"N, 122°44'17"W to
 45°34'32"N, 122°44'18"W thence to
 45°34'35"N, 122°44'24"W thence to
 45°34'35"N, 122°44'27"W thence to
 45°34'35"N, 122°44'36"W thence to
 45°34'35"N, 122°44'37"W thence to
 45°34'38"N, 122°44'42"W to
 45°34'39"N, 122°44'43"W thence to
 45°34'44"N, 122°44'51"W thence to
 45°34'45"N, 122°44'53"W thence to
 45°34'47"N, 122°44'51"W thence to
 45°34'45"N, 122°44'46"W to
 45°34'45"N, 122°44'45"W thence to
 45°34'47"N, 122°44'43"W thence to
 45°34'46"N, 122°44'42"W thence to
 45°34'48"N, 122°44'40"W thence to
 45°34'48"N, 122°44'38"W and along the shoreline to
 45°34'46"N, 122°44'39" W and back to the point of origin. All coordinates reference 1983 North American Datum (NAD 83).

(b) *Regulations.* (1) Anchoring, spudding, dredging, laying cable, dragging, trawling, conducting salvage operations, operating commercial vessels of any size, and operating recreational vessels greater than 30 feet in length are prohibited in the regulated area.

(2) All vessels transiting or accessing the regulated area shall do so at no wake speed or at the minimum speed necessary to maintain steerage.

§165.1324 Safety and Security Zone; Cruise Ship Protection, Elliot Bay and Pier 91, Seattle, Washington.

(a) *Safety and Security Zones.* (1) The following area is a safety and security zone: All waters within the following points: a rectangle, starting at

47°37'53"N., 122°23'07"W., thence south to position
 47°37'06"N., 122°23'07"W., thence east to position
 47°37'06"N., 122°22'43"W., thence north to position
 47°37'58"N., 122°22'43"W. This zone will be enforced only during the arrival and departure of Large Passenger Cruise Vessels at Pier 91, Seattle, Washington.

(2) The following area is a safety and security zone: All waters within 100 yards of Pier 91, Seattle, Washington, at approximate position 47°37'35"N., 122°23'00"W. This zone will be enforced only when a Large Passenger Cruise Vessel is moored at Pier 91.

(b) *Regulations.* In accordance with the general regulations in 33 CFR Part 165, Subpart D, no person or vessel may enter or remain in either Safety and Security Zone ex-

cept for vessels authorized by the Captain of the Port or Designated Representatives.

(c) *Definitions.* The following definitions apply to this section:

Facility Security Officer means the person designated as responsible for the development, implementation, revision and maintenance of the facility security plan and for liaison with the COTP and Company and Vessel Security Officers.

Large Passenger Cruise Vessel means any cruise ship over 100 feet in length carrying passengers for hire. Large Passenger Cruise Vessel does not include vessels inspected and certificated under 46 CFR, Chapter I, Subchapter T such as excursion vessels, sight seeing vessels, dinner cruise vessels, and whale watching vessels.

Official Patrol means those persons designated by the Captain of the Port to monitor a Large Passenger Cruise Vessel security and safety zone, permit entry into the zone, give legally enforceable orders to persons or vessels within the zone and take other actions authorized by the Captain of the Port. Persons authorized in paragraph (e) to enforce this section are designated as the Official Patrol.

(d) *Authorization.* To request authorization to operate within 100 yards of a Large Passenger Cruise Vessel that is moored at Pier 91, contact the onscene Official Patrol on VHF-FM channel 16 or 13 or the Facility Security Officer at (206) 728-3688.

(e) *Enforcement.* Any Coast Guard commissioned warrant or petty officer may enforce the rules in this section. In the navigable waters of the United States to which this section applies, when immediate action is required and representatives of the Coast Guard are not present or not present in sufficient force to provide effective enforcement of this section in the vicinity of a Large Passenger Cruise Vessel, any Federal or Washington Law Enforcement Officer may enforce the rules contained in this section pursuant to 33 CFR 6.04-11. In addition, the Captain of the Port may be assisted by other Federal, state or local agencies in enforcing this section.

(f) *Waiver.* The Captain of the Port Puget Sound may waive any of the requirements of this section for any vessel or class of vessels upon finding that a vessel or class of vessels, operational conditions or other circumstances are such that application of this section is unnecessary or impractical for the purpose of port security, safety or environmental safety.

(FR 8/20/09; FR 2/4/09)

42/09

COAST PILOT 7 41 Ed 2009 Change No. 26

Page 52—Paragraph 184 to Page 54—Paragraph 223; read:
Subpart H—Gulf of the Farallones National Marine Sanctuary

§ 922.80 Boundary.

The Gulf of the Farallones National Marine Sanctuary (Sanctuary) boundary encompasses a total area of approximately 966 square nautical miles (nmi) of coastal and ocean waters, and submerged lands thereunder, surrounding the Farallon Islands (and Noonday Rock) off the northern coast of California. The northernmost extent of the Sanctuary boundary is a geodetic line extending westward from Bodega Head approximately 6 nmi to the northern boundary of the Cordell Bank National Marine Sanctuary (CBNMS). The Sanctuary boundary then turns southward to a point approximately 6 nmi off Point Reyes, California, where it then turns westward again out towards the 1,000-fathom isobath. The Sanctuary boundary then extends in a southerly direction adjacent to the 1,000-fathom isobath until it intersects the northern extent of the Monterey Bay National Marine Sanctuary (MBNMS). The Sanctuary boundary then follows the MBNMS boundary eastward and northward until it intersects the Mean High Water Line at Rocky Point, California. The Sanctuary boundary then follows the MHWL north until it intersects the Point Reyes National Seashore (PRNS) boundary. The Sanctuary boundary then approximates the PRNS boundary, as established at the time of designation of the Sanctuary, to the intersection of the PRNS boundary and the MHWL in Tomales Bay. The Sanctuary boundary then follows the MHWL up Tomales Bay and Lagunitas Creek to the Route 1 Bridge where the Sanctuary boundary crosses the Lagunitas Creek and follows the MHWL until it intersects its northernmost extent near Bodega Head. The Sanctuary boundary includes Bolinas Lagoon, Estero de San Antonio (to the tide gate at Valley Ford Franklin School Road) and Estero Americano (to the bridge at Valley Ford Estero Road), as well as Bodega Bay, but not Bodega Harbor. Where the Sanctuary boundary crosses a waterway, the Sanctuary boundary excludes these waterways shoreward of the Sanctuary boundary line delineated by the coordinates provided. The precise seaward boundary coordinates are listed in Appendix A to this subpart.

§ 922.81 Definitions.

In addition to those definitions found at § 922.3, the following definitions apply to this subpart:

Areas of Special Biological Significance (ASBS) are those areas designated by California's State Water Resources Control Board as requiring protection of species or

biological communities to the extent that alteration of natural water quality is undesirable. ASBS are a subset of State Water Quality Protection Areas established pursuant to California Public Resources Code section 36700 et seq.

Attract or attracting means the conduct of any activity that lures or may lure any animal in the Sanctuary by using food, bait, chum, dyes, decoys (e.g., surfboards or body boards used as decoys), acoustics or any other means, except the mere presence of human beings (e.g., swimmers, divers, boaters, kayakers, surfers).

Clean means not containing detectable levels of harmful matter.

Cruise ship means a vessel with 250 or more passenger berths for hire.

Deserting means leaving a vessel aground or adrift without notification to the Director of the vessel going aground or becoming adrift within 12 hours of its discovery and developing and presenting to the Director a preliminary salvage plan within 24 hours of such notification, after expressing or otherwise manifesting intention not to undertake or to cease salvage efforts, or when the owner/operator cannot after reasonable efforts by the Director be reached within 12 hours of the vessel's condition being reported to authorities; or leaving a vessel at anchor when its condition creates potential for a grounding, discharge, or deposit and the owner/operator fails to secure the vessel in a timely manner.

Harmful matter means any substance, or combination of substances, that because of its quantity, concentration, or physical, chemical, or infectious characteristics may pose a present or potential threat to Sanctuary resources or qualities, including but not limited to: fishing nets, fishing line, hooks, fuel, oil, and those contaminants (regardless of quantity) listed pursuant to 42 U.S.C. 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act at 40 CFR 302.4.

Introduced species means any species (including, but not limited to, any of its biological matter capable of propagation) that is non-native to the ecosystems of the Sanctuary; or any organism into which altered genetic matter, or genetic matter from another species, has been transferred in order that the host organism acquires the genetic traits of the transferred genes.

Motorized personal watercraft means a vessel which uses an inboard motor powering a water jet pump as its primary source of motive power and which is designed to be operated by a person sitting, standing, or kneeling on the vessel, rather than the conventional manner of sitting or standing inside the vessel.

Routine maintenance means customary and standard procedures for maintaining docks or piers.

COAST PILOT 7 (Continued)

Seagrass means any species of marine angiosperms (flowering plants) that inhabit portions of the submerged lands in the Sanctuary. Those species include, but are not limited to: *Zostera asiatica* and *Zostera marina*.

§ 922.82 Prohibited or otherwise regulated activities.

(a) The following activities are prohibited and thus are unlawful for any person to conduct or to cause to be conducted within the Sanctuary:

(1) Exploring for, developing, or producing oil or gas except that pipelines related to hydrocarbon operations adjacent to the Sanctuary may be placed at a distance greater than 2 nmi from the Farallon Islands, Bolinas Lagoon and Areas of Special Biological Significance (ASBS) where certified to have no significant effect on Sanctuary resources in accordance with § 922.84.

(2) Discharging or depositing from within or into the Sanctuary, other than from a cruise ship, any material or other matter except:

(i) Fish, fish parts, or chumming materials (bait) used in or resulting from lawful fishing activity within the Sanctuary, provided that such discharge or deposit is during the conduct of lawful fishing activity within the Sanctuary;

(ii) For a vessel less than 300 gross registered tons (GRT), or a vessel 300 GRT or greater without sufficient holding tank capacity to hold sewage while within the Sanctuary, clean effluent generated incidental to vessel use by an operable Type I or II marine sanitation device (U.S. Coast Guard classification) that is approved in accordance with section 312 of the Federal Water Pollution Control Act, as amended (FWPCA), 33 U.S.C. 1322.

Vessel operators must lock all marine sanitation devices in a manner that prevents discharge or deposit of untreated sewage;

(iii) Clean vessel deck wash down, clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash; or

(iv) Vessel engine or generator exhaust.

(3) Discharging or depositing, from within or into the Sanctuary, any material or other matter from a cruise ship except clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash.

(4) Discharging or depositing, from beyond the boundary of the Sanctuary, any material or other matter that subsequently enters the Sanctuary and injures a Sanctuary resource or quality, except for the exclusions listed in paragraphs (a)(2)(i) through (iv) and (a)(3) of this section.

(5) Constructing any structure other than a navigation aid on or in the submerged lands of the Sanctuary; placing or abandoning any structure on or in the submerged lands of the Sanctuary; or drilling into, dredging, or otherwise altering the submerged lands of the Sanctuary in any way, except:

(i) By anchoring vessels (in a manner not otherwise prohibited by this part (see § 922.82(a)(16)));

(ii) While conducting lawful fishing activities;

(iii) The laying of pipelines related to hydrocarbon operations in leases adjacent to the Sanctuary in accordance with paragraph (a)(1) of this section;

(iv) Routine maintenance and construction of docks and piers on Tomales Bay; or

(v) Mariculture activities conducted pursuant to a valid lease, permit, license or other authorization issued by the State of California.

(6) Operating any vessel engaged in the trade of carrying cargo within an area extending 2 nmi from the Farallon Islands, Bolinas Lagoon or any ASBS. This includes but is not limited to tankers and other bulk carriers and barges, or any vessel engaged in the trade of servicing offshore installations, except to transport persons or supplies to or from the Islands or mainland areas adjacent to Sanctuary waters or any ASBS. In no event shall this section be construed to limit access for fishing, recreational or research vessels.

(7) Operation of motorized personal watercraft, except for the operation of motorized personal watercraft for emergency search and rescue missions or law enforcement operations (other than routine training activities) carried out by the National Park Service, U.S. Coast Guard, Fire or Police Departments or other Federal, State or local jurisdictions.

(8) Disturbing birds or marine mammals by flying motorized aircraft at less than 1000 feet over the waters within one nmi of the Farallon Islands, Bolinas Lagoon, or any ASBS except to transport persons or supplies to or from the Islands or for enforcement purposes.

(9) Possessing, moving, removing, or injuring, or attempting to possess, move, remove or injure, a Sanctuary historical resource.

(10) Introducing or otherwise releasing from within or into the Sanctuary an introduced species, except:

(i) Striped bass (*Morone saxatilis*) released during catch and release fishing activity; or

(ii) Species cultivated by mariculture activities in Tomales Bay pursuant to a valid lease, permit, license or other authorization issued by the State of California and in effect on the effective date of the final regulation.

COAST PILOT 7 (Continued)

(11) Taking any marine mammal, sea turtle, or bird within or above the Sanctuary, except as authorized by the Marine Mammal Protection Act, as amended, (MMPA), 16 U.S.C. 1361 *et seq.*, Endangered Species Act (ESA), as amended, 16 U.S.C. 1531 *et seq.*, Migratory Bird Treaty Act, as amended, (MBTA), 16 U.S.C. 703 *et seq.*, or any regulation, as amended, promulgated under the MMPA, ESA, or MBTA.

(12) Possessing within the Sanctuary (regardless of where taken, moved or removed from), any marine mammal, sea turtle, or bird taken, except as authorized by the MMPA, ESA, MBTA, by any regulation, as amended, promulgated under the MMPA, ESA, or MBTA, or as necessary for valid law enforcement purposes.

(13) Attracting a white shark in the Sanctuary; or approaching within 50 meters of any white shark within the line approximating 2 nmi around the Farallon Islands. The coordinates for the line approximating 2 nmi around the Farallon Islands are listed in Appendix B to this subpart.

(14) Deserting a vessel aground, at anchor, or adrift in the Sanctuary.

(15) Leaving harmful matter aboard a grounded or deserted vessel in the Sanctuary.

(16) Anchoring a vessel in a designated seagrass protection zone in Tomales Bay, except as necessary for mariculture operations conducted pursuant to a valid lease, permit or license. The coordinates for the noanchoring seagrass protection zones are listed in Appendix C to this subpart.

(b) All activities currently carried out by the Department of Defense within the Sanctuary are essential for the national defense and, therefore, not subject to the prohibitions in this section. The exemption of additional activities shall be determined in consultation between the Director and the Department of Defense.

(c) The prohibitions in paragraph (a) of this section do not apply to activities necessary to respond to an emergency threatening life, property, or the environment, or except as may be permitted by the Director in accordance with §922.48 and §922.83.

§ 922.83 Permit procedures and issuance criteria.

(a) A person may conduct an activity prohibited by §922.82 if such activity is specifically authorized by, and conducted in accordance with the scope, purpose, terms and conditions of, a permit issued under §922.48 and this section.

(b) The Director, at his or her discretion, may issue a National Marine Sanctuary permit under this section, subject

to terms and conditions as he or she deems appropriate, if the Director finds that the activity will:

- (1) Further research or monitoring related to Sanctuary resources and qualities;
- (2) Further the educational value of the Sanctuary;
- (3) Further salvage or recovery operations; or
- (4) Assist in managing the Sanctuary.

(c) In deciding whether to issue a permit, the Director shall consider factors such as:

- (1) The applicant is qualified to conduct and complete the proposed activity;
- (2) The applicant has adequate financial resources available to conduct and complete the proposed activity;
- (3) The methods and procedures proposed by the applicant are appropriate to achieve the goals of the proposed activity, especially in relation to the potential effects of the proposed activity on Sanctuary resources and qualities;
- (4) The proposed activity will be conducted in a manner compatible with the primary objective of protection of Sanctuary resources and qualities, considering the extent to which the conduct of the activity may diminish or enhance Sanctuary resources and qualities, any potential indirect, secondary or cumulative effects of the activity, and the duration of such effects;
- (5) The proposed activity will be conducted in a manner compatible with the value of the Sanctuary, considering the extent to which the conduct of the activity may result in conflicts between different users of the Sanctuary, and the duration of such effects;
- (6) It is necessary to conduct the proposed activity within the Sanctuary;
- (7) The reasonably expected end value of the proposed activity to the furtherance of Sanctuary goals and purposes outweighs any potential adverse effects on Sanctuary resources and qualities from the conduct of the activity; and
- (8) Any other factors as the Director deems appropriate.

(d) Applications.

(1) Applications for permits should be addressed to the Director, Office of National Marine Sanctuaries; ATTN: Superintendent, Gulf of the Farallones National Marine Sanctuary, 991 Marine Dr., The Presidio, San Francisco, CA 94129.

(2) In addition to the information listed in § 922.48(b), all applications must include information to be considered by the Director in paragraph (b) and (c) of this section.

(e) The permittee must agree to hold the United States harmless against any claims arising out of the conduct of the permitted activities.

COAST PILOT 7 (Continued)

§ 922.84 Certification of other permits.

A permit, license, or other authorization allowing: the laying of any pipeline related to hydrocarbon operations in leases adjacent to the Sanctuary and placed at a distance greater than 2 nmi from the Farallon Islands, Bolinas Lagoon, and any ASBS must be certified by the Director as consistent with the purpose of the Sanctuary and having no significant effect on Sanctuary resources. Such certification may impose terms and conditions as deemed appropriate to ensure consistency. In considering whether to make the certifications called for in this section, the Director may seek and consider the views of any other person or entity, within or outside the Federal government, and may hold a public hearing as deemed appropriate. Any certification called for in this section shall be presumed unless the Director acts to deny or condition certification within 60 days from the date that the Director receives notice of the proposed permit and the necessary supporting data. The Director may amend, suspend, or revoke any certification made under this section whenever continued operation would violate any terms or conditions of the certification. Any such action shall be forwarded in writing to both the holder of the certified permit and the issuing agency and shall set forth reason(s) for the action taken.

Appendix A to Subpart H of Part 922—Gulf of the Farallones National Marine Sanctuary Boundary Coordinates

Coordinates listed in this Appendix are unprojected (Geographic) and based on the North American Datum of 1983.

Point ID No.	Latitude	Longitude
Sanctuary Boundary		
1	38°17'56.2"	123°3'35.6"
2	38°15'50.0"	123°10'52.9"
3	38°12'36.0"	123°7'8.8"
4	38°9'56.7"	123°5'31.4"
5	38°8'26.5"	123°4'56.5"
6	38°7'41.8"	123°5'14.7"
7	38°6'7.7"	123°5'52.9"
8	38°5'26.4"	123°6'13.9"
9	38°4'44.3"	123°6'33.2"
10	38°3'54.1"	123°7'1.5"
11	38°3'7.2"	123°7'41.7"

12	37°59'32.1"	123°8'28.9"
13	37°59'22.0"	123°14'10.1"
14	37°57'31.6"	123°19'23.2"
15	37°54'16.7"	123°23'22.4"
16	37°50'5.2"	123°25'32.8"
17	37°46'0.7"	123°25'36.9"
18	37°45'33.5"	123°25'36.6"
19	37°41'20.1"	123°23'33.8"
20	37°38'0.8"	123°19'41.4"
21	37°36'4.4"	123°14'34.5"
22	37°35'29.9"	123°13'35.0"
23	37°33'46.9"	123°11'54.9"
24	37°31'12.0"	123°7'43.6"
25	37°30'29.4"	123°5'46.2"
26	37°29'39.0"	123°0'27.7"
27	37°30'34.1"	122°54'22.1"
28	37°31'47.5"	122°51'35.5"
29	37°34'17.2"	122°48'14.3"
30	37°36'58.3"	122°46'9.7"
31	37°39'59.0"	122°45'3.7"

Appendix B to Subpart H of Part 922—2 nmi From the Farallon Islands Boundary Coordinates

Coordinates listed in this Appendix are unprojected (Geographic) and based on the North American Datum of 1983.

Point ID No. (2 nmi from the Farallon Islands Boundary)	Latitude	Longitude
0	37°46'36.1"	123°8'58.3"
1	37°47'8.2"	123°8'46.7"
2	37°47'44.3"	123°8'15.5"
3	37°48'10.6"	123°7'30.7"
4	37°48'21.9"	123°6'42.8"
5	37°48'20.5"	123°5'54.4"
6	37°48'5.6"	123°5'5.4"
7	37°47'51.9"	123°4'42.0"
8	37°47'37.2"	123°4'11.7"
9	37°47'13.2"	123°3'38.7"

COAST PILOT 7 (Continued)

10	37°46'44.5"	123°3'17.0"
11	37°46'12.5"	123°3'6.0"
12	37°45'43.2"	123°3'5.4"
13	37°45'27.2"	123°3'8.9"
14	37°45'38.8"	123°2'28.1"
15	37°45'41.4"	123°1'40.9"
16	37°45'32.3"	123°0'54.9"
17	37°45'9.6"	123°0'10.9"
18	37°44'36.2"	122°59'39.3"
19	37°44'10.8"	122°59'24.6"
20	37°43'49.2"	122°58'33.6"
21	37°43'13.5"	122°57'55.7"
22	37°42'31.3"	122°57'32.0"
23	37°41'50.5"	122°57'25.9"
24	37°41'15.3"	122°57'31.7"
25	37°40'39.6"	122°57'52.8"
26	37°40'8.5"	122°58'27.3"
27	37°39'48.6"	122°59'5.2"
28	37°39'37.3"	122°59'50.6"
29	37°39'37.0"	123°0'35.6"
30	37°39'46.4"	123°1'16.7"
31	37°40'15.6"	123°2'17.8"
32	37°40'39.1"	123°2'46.0"
33	37°41'18.3"	123°3'12.0"
34	37°41'57.8"	123°3'20.4"
35	37°42'40.5"	123°4'6.8"
36	37°43'15.6"	123°4'23.8"
37	37°43'54.0"	123°4'26.3"
38	37°44'5.0"	123°4'24.2"
39	37°43'50.6"	123°5'10.3"
40	37°43'48.3"	123°5'52.3"
41	37°43'57.5"	123°6'46.6"
42	37°44'12.6"	123°7'23.3"
43	37°44'33.8"	123°7'52.4"
44	37°44'50.1"	123°8'15.4"
45	37°45'16.8"	123°8'40.7"
46	37°45'52.1"	123°8'57.0"
47	37°46'36.1"	123°8'58.3"

Appendix C to Subpart H of Part 922—**No-Anchoring Seagrass Protection Zones in Tomales Bay**

Coordinates listed in this Appendix are unprojected (Geographic) and based on the North American Datum of 1983.

Table C-1: Zone 1:

Zone 1 is an area of approximately 39.9 hectares offshore south of Millerton Point. The eastern boundary is a straight line that connects points 1 and 2 listed in the coordinate table below. The southern boundary is a straight line that connects points 2 and 3, the western boundary is a straight line that connects points 3 and 4 and the northern boundary is a straight line that connects point 4 to point 5. All coordinates are in the Geographic Coordinate System relative to the North American Datum of 1983.

Zone 1 Point ID	Latitude	Longitude
1	38°6'20.5"	122°50'44.3"
2	38°5'55.9"	122°50'9.7"
3	38°5'55.6"	122°50'39.5"
4	38°6'18.5"	122°50'56.5"
5	Same as 1	Same as 1

ZONE 2: Zone 2 is an area of approximately 50.3 hectares that begins just south of Marconi and extends approximately 3 kilometers south along the eastern shore of Tomales Bay. The eastern boundary is the mean high water (MHW) line from point 1 to point 2 listed in the coordinate table below. The southern boundary is a straight line that connects point 2 to point 3. The western boundary is a series of straight lines that connect points 3 through 6 in sequence and then connects point 6 to point 1. All coordinates are in the Geographic Coordinate System relative to the North American Datum of 1983.

Zone 2 Point ID	Latitude	Longitude
1	38°8'26.5"	122°52'27.8"
2	38°6'49.8"	122°51'30.6"
3	38°7'8.3"	122°52'2.3"
4	38°7'32.2"	122°51'53.2"
5	38°7'38.0"	122°51'53.5"
6	38°7'59.7"	122°52'18.4"
7	Same as 1	Same as 1

COAST PILOT 7 (Continued)

ZONE 3: Zone 3 is an area of approximately 4.6 hectares that begins just south of Marshall and extends approximately 1 kilometer south along the eastern shore of Tomales Bay. The eastern boundary is the mean high water (MHW) line from point 1 to point 2 listed in the coordinate table below. The southern boundary is a straight line that connects point 2 to point 3, the western boundary is a straight line that connects point 3 to point 4, and the northern boundary is a straight line that connects point 4 to point 5. All coordinates are in the Geographic Coordinate System relative to the North American Datum of 1983.

Zone 3 Point ID	Latitude	Longitude
1	38°9'37.1"	122°53'39.9"
2	38°9'10.2"	122°53'23.6"
3	38°9'9"	122°53'25.5"
4	38°9'34.4"	122°53'44.6"
5	Same as 1	Same as 1

ZONE 4: Zone 4 is an area of approximately 61.8 hectares that begins just north of Nicks Cove and extends approximately 5 kilometers south along the eastern shore of Tomales Bay to just south of Cypress Grove. The eastern boundary is the mean high water (MHW) line from point 1 to point 2 listed in the coordinate table below. The southern boundary is a straight line that connects point 2 to point 3. The western boundary is a series of straight lines that connect points 3 through 9 in sequence. The northern boundary is a straight line that connects point 9 to point 10. All coordinates are in the Geographic Coordinate System relative to the North American Datum of 1983.

Zone 4 Point ID	Latitude	Longitude
1	38°12'2.6"	122°55'18.5"
2	38°9'45.3"	122°53'46.5"
3	38°9'44.1"	122°53'47.4"
4	38°9'55.2"	122°54'11.0"
5	38°10'7.2"	122°54'17.1"
6	38°10'28.2"	122°54'19.6"
7	38°10'45.0"	122°54'36.7"
8	38°11'11.4"	122°54'50.5"
9	38°11'19.7"	122°55'2.6"
10	Same as 1	Same as 1

ZONE 5: Zone 5 is an area of approximately 461.4 hectares that begins east of Lawsons Landing and extends approximately 5 kilometers east and south along the eastern shore of Tomales Bay but excludes areas adjacent (approximately 600 meters) to the mouth of Walker Creek. The boundary follows the mean high water (MHW) mark from point 1 and trends in a southeast direction to point 2 listed in the coordinate table below. From point 2 the boundary trends westward in a straight line to point 3, then trends southward in a straight line to point 4 and then trends eastward in a straight line to point 5. The boundary follows the mean high water line from point 5 southward to point 6. The southern boundary is a straight line that connects point 6 to point 7. The eastern boundary is a series of straight lines that connect points 7 to 9 in sequence and then connects point 9 to point 10. All coordinates are in the Geographic Coordinate System relative to the North American Datum of 1983.

Zone 5 Point ID	Latitude	Longitude
1	38°13'52.3"	122°57'46.8"
2	38°12'57.5"	122°56'14.9"
3	38°12'33.7"	122°56'29.5"
4	38°12'13.1"	122°55'56.8"
5	38°12'18.5"	122°55'28.3"
6	38°12'2.6"	122°55'18.5"
7	38°11'38.5"	122°56'5.1"
8	38°12'15.6"	122°56'34.9"
9	38°13'2.1"	122°57'44.1"
10	Same as 1	Same as 1

ZONE 6: Zone 6 is an area of approximately 3.94 hectares in the vicinity of Indian Beach along the western shore of Tomales Bay. The western boundary follows the mean high water (MHW) line from point 1 northward to point 2 listed in the coordinate table below. The northern boundary is a straight line that connects point 2 to point 3. The eastern boundary is a straight line that connects point 3 to point 4. The southern boundary is a straight line that connects point 4 to point 5. All coordinates are in the Geographic Coordinate System relative to the North American Datum of 1983.

Zone 6 Point ID	Latitude	Longitude
1	38°8'17.1"	122°53'45.7"
2	38°8'25.4"	122°53'48.3"
3	38°8'27.7"	122°53'43.3"

COAST PILOT 7 (Continued)

4	38°8'21.0"	122°53'38.0"
5	Same as 1	Same as 1

ZONE 7: Zone 7 is an area of approximately 32.16 hectares that begins just south of Pebble Beach and extends approximately 3 kilometers south along the western shore of Tomales Bay. The western boundary is the mean high water (MHW) line from point 1 to point 2 listed in the coordinate table below. The northern boundary is a straight line that connects point 2 to point 3. The eastern boundary is a series of straight lines that connect points 3 through 7 in sequence. The southern boundary is a straight line that connects point 7 to point 8. All coordinates are in the Geographic Coordinate System relative to the North American Datum of 1983.

Zone 7 Point ID	Latitude	Longitude
1	38°6'37.2"	122°51'55.5"
2	38°7'48.2"	122°53'14.7"
3	38°7'50.4"	122°53'10.3"
4	38°7'25.0"	122°52'47.4"
5	38°7'8.9"	122°52'29.6"
6	38°6'53.4"	122°52'8.2"
7	38°6'39.4"	122°51'52.8"
8	Same as 1	Same as 1

(FR 11/20/08; CL 466/09)

42/09

COAST PILOT 7 41 Ed 2009 Change No. 27

Page 56—Paragraph 263 to Page 62—Paragraph 359; read:
Subpart K—Cordell Bank National Marine Sanctuary

§922.110 Boundary.

The Cordell Bank National Marine Sanctuary (Sanctuary) boundary encompasses a total area of approximately 399 square nautical miles (nmi) of ocean waters, and submerged lands thereunder, off the northern coast of California approximately 50 miles west-northwest of San Francisco, California. The Sanctuary boundary extends westward (approximately 250 degrees) from the northwestern most point of the Gulf of the Farallones National Marine Sanctuary (GFNMS) to the 1,000 fathom isobath northwest of Cordell Bank. The Sanctuary boundary then generally follows this isobath in a southerly direction to the western-most point of the GFNMS boundary. The Sanctuary boundary then follows the GFNMS boundary again to the northwestern

corner of the GFNMS. The exact boundary coordinates are listed in Appendix A to this subpart.

§922.111 Definitions.

In addition to the definitions found in §922.3, the following definitions apply to this subpart:

Clean means not containing detectable levels of harmful matter.

Cruise ship means a vessel with 250 or more passenger berths for hire.

Harmful matter means any substance, or combination of substances, that because of its quantity, concentration, or physical, chemical, or infectious characteristics may pose a present or potential threat to Sanctuary resources or qualities, including but not limited to: fishing nets, fishing line, hooks, fuel, oil, and those contaminants (regardless of quantity) listed pursuant to 42 U.S.C.

Introduced species means any species (including, but not limited to, any of its biological matter capable of propagation) that is non-native to the ecosystems of the Sanctuary; or any organism into which altered genetic matter, or genetic matter from another species, has been transferred in order that the host organism acquires the genetic traits of the transferred genes.

§922.112 Prohibited or otherwise regulated activities.

(a) The following activities are prohibited and thus are unlawful for any person to conduct or to cause to be conducted within the Sanctuary:

(1)(i) Discharging or depositing from within or into the Sanctuary, other than from a cruise ship, any material or other matter except:

(A) Fish, fish parts, or chumming materials (bait), used in or resulting from lawful fishing activity within the Sanctuary, provided that such discharge or deposit is during the conduct of lawful fishing activity within the Sanctuary;

(B) For a vessel less than 300 gross registered tons (GRT), or a vessel 300 GRT or greater without sufficient holding tank capacity to hold sewage while within the Sanctuary, clean effluent generated incidental to vessel use and generated by an operable Type I or II marine sanitation device (U.S. Coast Guard classification) approved in accordance with section 312 of the Federal Water Pollution Control Act, as amended, (FWPCA), 33 U.S.C. 1322. Vessel operators must lock all marine sanitation devices in a manner that prevents discharge or deposit of untreated sewage;

COAST PILOT 7 (Continued)

(C) Clean vessel deck wash down, clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash; or

(D) Vessel engine or generator exhaust.

(ii) Discharging or depositing, from within or into the Sanctuary, any material or other matter from a cruise ship except clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash.

(iii) Discharging or depositing, from beyond the boundary of the Sanctuary, any material or other matter that subsequently enters the Sanctuary and injures a Sanctuary resource or quality, except as listed in paragraphs (a)(1)(i) and (a)(1)(ii) of this section.

(2) On or within the line representing the 50-fathom isobath surrounding Cordell Bank, removing, taking, or injuring or attempting to remove, take, or injure benthic invertebrates or algae located on Cordell Bank. This prohibition does not apply to use of bottom contact gear used during fishing activities, which is prohibited pursuant to 50 CFR part 660 (Fisheries off West Coast States). The coordinates for the line representing the 50-fathom isobaths are listed in Appendix B to this subpart. There is a rebuttable presumption that any such resource found in the possession of a person within the Sanctuary was taken or removed by that person.

(3) Exploring for, or developing or producing, oil, gas, or minerals in any area of the Sanctuary.

(4)(i) On or within the line representing the 50-fathom isobaths surrounding Cordell Bank, drilling into, dredging, or otherwise altering the submerged lands; or constructing, placing, or abandoning any structure, material or other matter on or in the submerged lands. This prohibition does not apply to use of bottom contact gear used during fishing activities, which is prohibited pursuant to 50 CFR part 660 (Fisheries off West Coast States). The coordinates for the line representing the 50-fathom isobath are listed in Appendix B to this subpart.

(ii) In the Sanctuary beyond the line representing the 50-fathom isobaths surrounding Cordell Bank, drilling into, dredging, or otherwise altering the submerged lands; or constructing, placing, or abandoning any structure, material or matter on the submerged lands except as incidental and necessary for anchoring any vessel or lawful use of any fishing gear during normal fishing activities. The coordinates for the line representing the 50-fathom isobath are listed in Appendix B to this subpart.

(5) Taking any marine mammal, sea turtle, or bird within or above the Sanctuary, except as authorized by the Marine Mammal Protection Act, as amended, (MMPA),

16 U.S.C. 1361 *et seq.*, Endangered Species Act, as amended, (ESA), 16 U.S.C. 1531 *et seq.*, Migratory Bird Treaty Act, as amended, (MBTA), 16 U.S.C. 703 *et seq.*, or any regulation, as amended, promulgated under the MMPA, ESA, or MBTA.

(6) Possessing within the Sanctuary (regardless of where taken, moved or removed from), any marine mammal, sea turtle or bird taken, except as authorized by the MMPA, ESA, MBTA, by any regulation, as amended, promulgated under the MMPA, ESA, or MBTA, or as necessary for valid law enforcement purposes.

(7) Introducing or otherwise releasing from within or into the Sanctuary an introduced species, except striped bass (*Morone saxatilis*) released during catch and release fishing activity.

(b) The prohibitions in paragraph (a) of this section do not apply to activities necessary to respond to an emergency threatening life, property or the environment, or except as may be permitted by the Director in accordance with §922.48 and §922.113.

(c) All activities being carried out by the Department of Defense (DOD) within the Sanctuary on the effective date of designation that are necessary for national defense are exempt from the prohibitions contained in the regulations in this subpart. Additional DOD activities initiated after the effective date of designation that are necessary for national defense will be exempted by the Director after consultation between the Department of Commerce and DOD. DOD activities not necessary for national defense, such as routine exercises and vessel operations, are subject to all prohibitions contained in the regulations in this subpart.

(d) Where necessary to prevent immediate, serious, and irreversible damage to a Sanctuary resource, any activity may be regulated within the limits of the Act on an emergency basis for no more than 120 days.

§922.113 Permit procedures and issuance criteria.

(a) A person may conduct an activity prohibited by §922.112 if such activity is specifically authorized by, and conducted in accordance with the scope, purpose, terms and conditions of, a permit issued under §922.48 and this section.

(b) The Director, at his or her discretion, may issue a national marine sanctuary permit under this section, subject to terms and conditions, as he or she deems appropriate, if the Director finds that the activity will:

(1) Further research or monitoring related to Sanctuary resources and qualities;

(2) Further the educational value the Sanctuary;

COAST PILOT 7 (Continued)

(3) Further salvage or recovery operations in or near the Sanctuary in connection with a recent air or marine casualty; or

(4) Assist in managing the Sanctuary.

(c) In deciding whether to issue a permit, the Director shall consider such factors as:

(1) The applicant is qualified to conduct and complete the proposed activity;

(2) The applicant has adequate financial resources available to conduct and complete the proposed activity;

(3) The methods and procedures proposed by the applicant are appropriate to achieve the goals of the proposed activity, especially in relation to the potential effects of the proposed activity on Sanctuary resources and qualities;

(4) The proposed activity will be conducted in a manner compatible with the primary objective of protection of Sanctuary resources and qualities, considering the extent to which the conduct of the activity may diminish or enhance Sanctuary resources and qualities, any potential indirect, secondary or cumulative effects of the activity, and the duration of such effects;

(5) The proposed activity will be conducted in a manner compatible with the value of the Sanctuary, considering the extent to which the conduct of the activity may result in conflicts between different users of the Sanctuary, and the duration of such effects;

(6) It is necessary to conduct the proposed activity within the Sanctuary;

(7) The reasonably expected end value of the proposed activity to the furtherance of Sanctuary goals and purposes outweighs any potential adverse effects on Sanctuary resources and qualities from the conduct of the activity; and

(8) Any other factors as the Director deems appropriate.

(d) Applications.

(1) Applications for permits should be addressed to the Director, Office of National Marine Sanctuaries; ATTN: Superintendent, Cordell Bank National Marine Sanctuary, P.O. Box 159, Olema, CA 94950.

(2) In addition to the information listed in §922.48(b), all applications must include information to be considered by the Director in paragraph (b) and (c) of this section.

(e) The permittee must agree to hold the United States harmless against any claims arising out of the conduct of the permitted activities.

SANCTUARY BOUNDARY COORDINATES

Point ID No.	Latitude	Longitude
1	38°15'50.0"	123°10'52.9"
2	38°7'55.8"	123°38'33.5"
3	38°6'45.2"	123°38'0.3"
4	38°4'58.4"	123°37'14.3"
5	38°4'28.2"	123°37'17.8"
6	38°3'42.7"	123°36'55.6"
7	38°3'11.0"	123°36'19.7"
8	38°2'46.1"	123°36'21.9"
9	38°2'2.7"	123°35'56.5"
10	38°1'27.0"	123°35'55.1"
11	38°1'22.2"	123°36'55.1"
12	38°1'11.5"	123°37'28.2"
13	38°0'49.1"	123°37'29.7"
14	37°59'54.4"	123°36'47.9"
15	37°59'12.4"	123°35'59.5"
16	37°58'39.3"	123°35'14.8"
17	37°58'0.5"	123°34'42.9"
18	37°57'19.0"	123°33'43.1"
19	37°56'56.4"	123°32'51.9"
20	37°56'18.8"	123°32'49.2"
21	37°55'22.3"	123°32'36.9"
22	37°54'26.1"	123°32'21.7"
23	37°53'7.4"	123°31'46.8"
24	37°52'34.9"	123°31'18.9"
25	37°51'42.8"	123°31'19.0"
26	37°50'59.5"	123°31'2.9"
27	37°49'22.6"	123°29'34.0"
28	37°48'49.1"	123°28'44.6"
29	37°48'36.9"	123°28'8.2"
30	37°48'3.3"	123°28'23.2"
31	37°47'41.5"	123°28'1.9"
32	37°47'1.7"	123°27'16.7"
33	37°46'51.9"	123°26'48.9"
34	37°46'13.1"	123°26'4.7"
35	37°46'0.7"	123°25'36.9"
36	37°50'5.2"	123°25'32.8"

Appendix A to Subpart K of Part 922—Cordell Bank National Marine Sanctuary Boundary Coordinates

COAST PILOT 7 (Continued)

37	37°54'16.7"	123°23'22.4"
38	37°57'31.6"	123°19'23.2"
39	37°59'22.0"	123°14'10.1"
40	37°59'32.1"	123°8'28.9"
41	38°3'7.2"	123°7'41.7"
42	38°3'54.1"	123°7'1.5"
43	38°4'44.3"	123°6'33.2"
44	38°5'26.4"	123°6'13.9"
45	38°6'7.7"	123°5'52.9"
46	38°7'41.8"	123°5'14.7"
47	38°8'26.5"	123°4'56.5"
48	38°9'56.7"	123°5'31.4"
49	38°12'36.0"	123°7'8.8"
50	38°15'50.0"	123°10'52.9"

Coordinates listed in this Appendix are unprojected (Geographic Coordinate System) and based on the North American Datum of 1983 (NAD83).

Appendix B to Subpart K of Part 922—Line Representing the 50-Fathom Isobath Sur-rounding Cordell Bank

Coordinates listed in this Appendix are unprojected (Geographic Coordinate System) and based on the North American Datum of 1983 (NAD83).

CORDELL BANK FIFTY FATHOM LINE

Point ID No.	Latitude	Longitude
1	37°57'37.2"	123°24'13.3"
2	37°57'42.1"	123°25'14.9"
3	37°59'27.9"	123°26'37.6"
4	38°0'14.6"	123°27'51.9"
5	38°0'58.9"	123°27'38.7"
6	38°2'48.6"	123°28'45.1"
7	38°4'15.8"	123°29'15.1"
8	38°4'33.1"	123°28'19.0"
9	38°3'52.2"	123°27'41.2"
10	38°4'16.4"	123°26'40.8"
11	38°2'40.0"	123°24'10.2"
12	38°0'51.9"	123°23'9.1"
13	37°59'18.9"	123°22'31.1"
14	37°58'14.5"	123°23'9.7"

Subpart M—Monterey Bay National Marine Sanctuary §922.130 Boundary.

The Monterey Bay National Marine Sanctuary (Sanctuary) consists of two separate areas.

(a) The first area consists of an area of approximately 4016 square nautical miles (nmi) of coastal and ocean waters, and submerged lands thereunder, in and surrounding Monterey Bay off the central coast of California. The northern terminus of the Sanctuary boundary is located along the southern boundary of the Gulf of the Farallones National Marine Sanctuary (GFNMS) beginning at Rocky Point just south of Stinson Beach in Marin County. The Sanctuary boundary follows the GFNMS boundary westward to a point approximately 29 nmi offshore from Moss Beach in San Mateo County. The Sanctuary boundary then extends southward in a series of arcs, which generally follow the 500 fathom isobath, to a point approximately 27 nmi offshore of Cambria, in San Luis Obispo County. The Sanctuary boundary then extends eastward towards shore until it intersects the Mean High Water Line (MHWL) along the coast near Cambria. The Sanctuary boundary then follows the MHWL northward to the northern terminus at Rocky Point. The shoreward Sanctuary boundary excludes a small area between Point Bonita and Point San Pedro. Pillar Point Harbor, Santa Cruz Harbor, Monterey Harbor, and Moss Landing Harbor are all excluded from the Sanctuary shoreward from the points listed in Appendix A except for Moss Landing Harbor, where all of Elkhorn Slough east of the Highway One bridge, and west of the tide gate at Elkhorn Road and toward the center channel from the MHWL is included within the Sanctuary, excluding areas within the Elkhorn Slough National Estuarine Research Reserve. Exact coordinates for the seaward boundary and harbor exclusions are provided in Appendix A to this subpart.

(b) The Davidson Seamount Management Zone is also part of the Sanctuary. This area, bounded by geodetic lines connecting a rectangle centered on the top of the Davidson Seamount, consists of approximately 585 square nmi of ocean waters and the submerged lands thereunder. The shoreward boundary of this portion of the Sanctuary is located approximately 65 nmi off the coast of San Simeon in San Luis Obispo County. Exact coordinates for the Davidson Seamount Management Zone boundary are provided in Appendix F to this subpart.

§922.131 Definitions.

In addition to those definitions found at 15 CFR 922.3, the following definitions apply to this subpart:

COAST PILOT 7 (Continued)

Attract or attracting means the conduct of any activity that lures or may lure any animal by using food, bait, chum, dyes, decoys, acoustics, or any other means, except the mere presence of human beings (e.g., swimmers, divers, boaters, kayakers, surfers).

Clean means not containing detectable levels of harmful matter.

Cruise ship means a vessel with 250 or more passenger berths for hire.

Davidson Seamount Management Zone means the area bounded by geodetic lines connecting a rectangle centered on the top of the Davidson Seamount, and consists of approximately 585 square nmi of ocean waters and the submerged lands thereunder. The shoreward boundary of this portion of the Sanctuary is located approximately 65 nmi off the coast of San Simeon in San Luis Obispo County. Exact coordinates for the Davidson Seamount Management Zone boundary are provided in Appendix F to this subpart.

Deserting means leaving a vessel aground or adrift without notification to the Director of the vessel going aground or becoming adrift within 12 hours of its discovery and developing and presenting to the Director a preliminary salvage plan within 24 hours of such notification, after expressing or otherwise manifesting intention not to undertake or to cease salvage efforts, or when the owner/operator cannot after reasonable efforts by the Director be reached within 12 hours of the vessel's condition being reported to authorities; or leaving a vessel at anchor when its condition creates potential for a grounding, discharge, or deposit and the owner/operator fails to secure the vessel in a timely manner.

Federal Project means any water resources development project conducted by the U.S. Army Corps of Engineers or operating under a permit or other authorization issued by the Corps of Engineers and authorized by Federal law.

Hand tool means a hand-held implement, utilized for the collection of jade pursuant to 15 CFR 922.132(a)(1), that is no greater than 36 inches in length and has no moving parts (e.g., dive knife, pry bar, or abalone iron). Pneumatic, mechanical, electrical, hydraulic, or explosive tools are, therefore, examples of what does not meet this definition.

Harmful matter means any substance, or combination of substances, that because of its quantity, concentration, or physical, chemical, or infectious characteristics may pose a present or potential threat to Sanctuary resources or qualities, including but not limited to: Fishing nets, fishing line, hooks, fuel, oil, and those contaminants (regardless of quantity) listed pursuant to 42 U.S.C. 9601(14) of the

Comprehensive Environmental Response, Compensation and Liability Act at 40 CFR 302.4.

Introduced species means: Any species (including but not limited to any of its biological matter capable of propagation) that is non-native to the ecosystems of the Sanctuary; or any organism into which altered genetic matter, or genetic matter from another species, has been transferred in order that the host organism acquires the genetic traits of the transferred genes.

Motorized personal watercraft (MPWC) means any vessel, propelled by machinery, that is designed to be operated by standing, sitting, or kneeling on, astride, or behind the vessel, in contrast to the conventional manner, where the operator stands or sits inside the vessel; any vessel less than 20 feet in length overall as manufactured and propelled by machinery and that has been exempted from compliance with the U.S. Coast Guard's Maximum Capacities Marking for Load Capacity regulation found at 33 CFR Parts 181 and 183, except submarines; or any other vessel that is less than 20 feet in length overall as manufactured, and is propelled by a water jet pump or drive.

§922.132 Prohibited or otherwise regulated activities.

(a) Except as specified in paragraphs (b) through (e) of this section, the following activities are prohibited and thus are unlawful for any person to conduct or to cause to be conducted:

(1) Exploring for, developing, or producing oil, gas, or minerals within the Sanctuary, except: Jade may be collected (meaning removed) from the area bounded by the 35.92222 N latitude parallel (coastal reference point: Beach access stairway at south Sand Dollar Beach), the 35.88889 N latitude parallel (coastal reference point: Westernmost tip of Cape San Martin), and from the mean high tide line seaward to the 90-foot isobath (depth line) (the "authorized area") provided that:

(i) Only jade already loose from the submerged lands of the Sanctuary may be collected;

(ii) No tool may be used to collect jade except:

(A) A hand tool (as defined at 15 CFR 922.131) to maneuver or lift the jade or scratch the surface of a stone as necessary to determine if it is jade;

(B) A lift bag or multiple lift bags with a combined lift capacity of no more than two hundred pounds; or

(C) A vessel (except for motorized personal watercraft) (see paragraph (a)(7) of this section) to provide access to the authorized area;

(iii) Each person may collect only what that person individually carries; and

COAST PILOT 7 (Continued)

(iv) For any loose piece of jade that cannot be collected under paragraphs (a)(1) (ii) and (iii) of this section, any person may apply for a permit to collect such a loose piece by following the procedures in 15 CFR 922.133.

(2)(i) Discharging or depositing from within or into the Sanctuary, other than from a cruise ship, any material or other matter, except:

(A) Fish, fish parts, chumming materials, or bait used in or resulting from lawful fishing activities within the Sanctuary, provided that such discharge or deposit is during the conduct of lawful fishing activities within the Sanctuary;

(B) For a vessel less than 300 gross registered tons (GRT), or a vessel 300 GRT or greater without sufficient holding tank capacity to hold sewage while within the Sanctuary, clean effluent generated incidental to vessel use by an operable Type I or II marine sanitation device (U.S. Coast Guard classification) approved in accordance with section 312 of the Federal Water Pollution Control Act, as amended (FWPCA), 33 U.S.C. 1322. Vessel operators must lock all marine sanitation devices in a manner that prevents discharge or deposit of untreated sewage;

(C) Clean vessel deck wash down, clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash;

(D) For a vessel less than 300 gross registered tons (GRT), or a vessel 300 GRT or greater without sufficient holding capacity to hold graywater while within the Sanctuary, clean graywater as defined by section 312 of the FWPCA;

(E) Vessel engine or generator exhaust; or

(F) Dredged material deposited at disposal sites authorized by the U.S. Environmental Protection Agency (EPA) (in consultation with the U.S. Army Corps of Engineers (COE)) prior to the effective date of Sanctuary designation (January 1, 1993), provided that the activity is pursuant to, and complies with the terms and conditions of, a valid Federal permit or approval existing on January 1, 1993. Authorized disposal sites within the Sanctuary are described in Appendix C to this subpart.

(ii) Discharging or depositing from within or into the Sanctuary any material or other matter from a cruise ship except clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash.

(iii) Discharging or depositing from beyond the boundary of the Sanctuary any material or other matter that subsequently enters the Sanctuary and injures a

Sanctuary resource or quality, except those listed in paragraphs (a)(2)(i)(A) through (E) and (a)(2)(ii) of this section and dredged material deposited at the authorized disposal sites described in Appendix D to this subpart, provided that the dredged material disposal is pursuant to, and complies with the terms and conditions of, a valid Federal permit or approval.

(3) Possessing, moving, removing, or injuring, or attempting to possess, move, remove, or injure, a Sanctuary historical resource. This prohibition does not apply to, moving, removing, or injury resulting incidentally from kelp harvesting, aquaculture, or lawful fishing activities.

(4) Drilling into, dredging, or otherwise altering the submerged lands of the Sanctuary; or constructing, placing, or abandoning any structure, material, or other matter on or in the submerged lands of the Sanctuary, except as incidental and necessary to:

(i) Conduct lawful fishing activities;

(ii) Anchor a vessel;

(iii) Conduct aquaculture or kelp harvesting;

(iv) Install an authorized navigational aid;

(v) Conduct harbor maintenance in an area necessarily associated with a Federal Project in existence on January 1, 1993, including dredging of entrance channels and repair, replacement, or rehabilitation of breakwaters and jetties;

(vi) Construct, repair, replace, or rehabilitate a dock or pier; or

(vii) Collect jade pursuant to paragraph (a)(1) of this section, provided that there is no constructing, placing, or abandoning any structure, material, or other matter on or in the submerged lands of the Sanctuary, other than temporary placement of an authorized hand tool as provided in paragraph (a)(1) of this section. The exceptions listed in paragraphs (a)(4)(ii) through (a)(4)(vii) of this section do not apply within the Davidson Seamount Management Zone.

(5) Taking any marine mammal, sea turtle, or bird within or above the Sanctuary, except as authorized by the Marine Mammal Protection Act, as amended, (MMPA), 16 U.S.C. 1361 *et seq.*, Endangered Species Act, as amended, (ESA), 16 U.S.C. 1531 *et seq.*, Migratory Bird Treaty Act, as amended, (MBTA), 16 U.S.C. 703 *et seq.*, or any regulation, as amended, promulgated under the MMPA, ESA, or MBTA.

(6) Flying motorized aircraft, except as necessary for valid law enforcement purposes, at less than 1,000 feet above any of the four zones within the Sanctuary described in Appendix B to this subpart.

COAST PILOT 7 (Continued)

(7) Operating motorized personal watercraft within the Sanctuary except within the five designated zones and access routes within the Sanctuary described in Appendix E to this subpart. Zone Five (at Pillar Point) exists only when a High Surf Warning has been issued by the National Weather Service and is in effect for San Mateo County, and only during December, January, and February.

(8) Possessing within the Sanctuary (regardless of where taken, moved, or removed from), any marine mammal, sea turtle, or bird, except as authorized by the MMPA, ESA, MBTA, by any regulation, as amended, promulgated under the MMPA, ESA, or MBTA, or as necessary for valid law enforcement purposes.

(9) Deserting a vessel aground, at anchor, or adrift in the Sanctuary.

(10) Leaving harmful matter aboard a grounded or deserted vessel in the Sanctuary.

(11)(i) Moving, removing, taking, collecting, catching, harvesting, disturbing, breaking, cutting, or otherwise injuring, or attempting to move, remove, take, collect, catch, harvest, disturb, break, cut, or otherwise injure, any Sanctuary resource located more than 3,000 feet below the sea surface within the Davidson Seamount Management Zone. This prohibition does not apply to fishing below 3000 feet within the Davidson Seamount Management Zone, which is prohibited pursuant to 50 CFR part 660 (Fisheries off West Coast States).

(ii) Possessing any Sanctuary resource the source of which is more than 3,000 feet below the sea surface within the Davidson Seamount Management Zone. This prohibition does not apply to possession of fish resulting from fishing below 3000 feet within the Davidson Seamount Management Zone, which is prohibited pursuant to 50 CFR part 660 (Fisheries off West Coast States).

(12) Introducing or otherwise releasing from within or into the Sanctuary an introduced species, except striped bass (*Morone saxatilis*) released during catch and release fishing activity.

(13) Attracting any white shark within the Sanctuary.

(14) Interfering with, obstructing, delaying, or preventing an investigation, search, seizure, or disposition of seized property in connection with enforcement of the Act or any regulation or permit issued under the Act.

(b) The prohibitions in paragraphs (a)(2) through (11) of this section do not apply to an activity necessary to respond to an emergency threatening life, property, or the environment.

(c)(1) All Department of Defense activities must be carried out in a manner that avoids to the maximum extent practicable any adverse impacts on Sanctuary resources and

qualities. The prohibitions in paragraphs (a)(2) through (12) of this section do not apply to existing military activities carried out by the Department of Defense, as specifically identified in the Final Environmental Impact Statement and Management Plan for the Proposed Monterey Bay National Marine Sanctuary (NOAA, 1992). (Copies of the FEIS/MP are available from the Monterey Bay National Marine Sanctuary, 299 Foam Street, Monterey, CA 93940.) For purposes of the Davidson Seamount Management Zone, these activities are listed in the 2008 Final Environmental Impact Statement. New activities may be exempted from the prohibitions in paragraphs (a)(2) through (12) of this section by the Director after consultation between the Director and the Department of Defense.

(2) In the event of destruction of, loss of, or injury to a Sanctuary resource or quality resulting from an incident, including but not limited to discharges, deposits, and groundings, caused by a Department of Defense activity, the Department of Defense, in coordination with the Director, must promptly prevent and mitigate further damage and must restore or replace the Sanctuary resource or quality in a manner approved by the Director.

(d) The prohibitions in paragraph (a)(1) of this section as it pertains to jade collection in the Sanctuary, and paragraphs (a)(2) through (11) and (a)(13) of this section, do not apply to any activity conducted under and in accordance with the scope, purpose, terms, and conditions of a National Marine Sanctuary permit issued pursuant to 15 CFR 922.48 and 922.133 or a Special Use permit issued pursuant to section 310 of the Act.

(e) The prohibitions in paragraphs (a)(2) through (a)(8) of this section do not apply to any activity authorized by any lease, permit, license, approval, or other authorization issued after the effective date of Sanctuary designation (January 1, 1993) and issued by any Federal, State, or local authority of competent jurisdiction, provided that the applicant complies with 15 CFR 922.49, the Director notifies the applicant and authorizing agency that he or she does not object to issuance of the authorization, and the applicant complies with any terms and conditions the Director deems necessary to protect Sanctuary resources and qualities. Amendments, renewals, and extensions of authorizations in existence on the effective date of designation constitute authorizations issued after the effective date of Sanctuary designation.

(f) Notwithstanding paragraphs (d) and (e) of this section, in no event may the Director issue a National Marine Sanctuary permit under 15 CFR 922.48 and 922.133 or a Special Use permit under section 310 of the Act authorizing, or otherwise approve: the exploration for, development, or production of oil, gas, or minerals within the Sanctuary, except for the collection of jade pursuant to

COAST PILOT 7 (Continued)

paragraph (a)(1) of this section; the discharge of primary-treated sewage within the Sanctuary (except by certification, pursuant to 15 CFR 922.47, of valid authorizations in existence on January 1, 1993 and issued by other authorities of competent jurisdiction); or the disposal of dredged material within the Sanctuary other than at sites authorized by EPA (in consultation with COE) prior to January 1, 1993. Any purported authorizations issued by other authorities within the Sanctuary shall be invalid.

§922.133 Permit procedures and criteria.

(a) A person may conduct an activity prohibited by §922.132(a)(1) as it pertains to jade collection in the Sanctuary, §922.132(a)(2) through (11), and §922.132(a)(13), if such activity is specifically authorized by, and conducted in accordance with the scope, purpose, terms, and conditions of, a permit issued under this section and 15 CFR 922.48.

(b) The Director, at his or her sole discretion, may issue a permit, subject to terms and conditions as he or she deems appropriate, to conduct an activity prohibited by § 922.132(a)(1) as it pertains to jade collection in the Sanctuary, §922.132 (a)(2) through (11), and § 922.132(a)(13), if the Director finds that the activity will have at most short-term and negligible adverse effects on Sanctuary resources and qualities and:

- (1) Is research designed to further understanding of Sanctuary resources and qualities;
- (2) Will further the educational, natural, or historical value of the Sanctuary;
- (3) Will further salvage or recovery operations within or near the Sanctuary in connection with a recent air or marine casualty;
- (4) Will assist in managing the Sanctuary;
- (5) Will further salvage or recovery operations in connection with an abandoned shipwreck in the Sanctuary title to which is held by the State of California; or
- (6) Will allow the removal, without the use of pneumatic, mechanical, electrical, hydraulic or explosive tools, of loose jade from the Jade Cove area under §922.132(a)(1)(iv).

(c) In deciding whether to issue a permit, the Director shall consider such factors as:

- (1) Will the activity be conducted by an applicant that is professionally qualified to conduct and complete the activity;
- (2) Will the activity be conducted by an applicant with adequate financial resources available to conduct and complete the activity;
- (3) Is the activity proposed for no longer than necessary to achieve its stated purpose;

(4) Must the activity be conducted within the Sanctuary;

(5) Will the activity be conducted using methods and procedures that are appropriate to achieve the goals of the proposed activity, especially in relation to the potential effects of the proposed activity on Sanctuary resources and qualities;

(6) Will the activity be conducted in a manner compatible with the primary objective of protection of Sanctuary resources and qualities, considering the extent to which the conduct of the activity may diminish or enhance Sanctuary resources and qualities, any potential indirect, secondary, or cumulative effects of the activity, and the duration of such effects;

(7) Will the activity be conducted in a manner compatible with the value of the Sanctuary as a source of recreation and as a source of educational and scientific information, considering the extent to which the conduct of the activity may result in conflicts between different users of the Sanctuary and the duration of such effects; and

(8) Does the reasonably expected end value of the activity to the furtherance of the Sanctuary goals and objectives outweigh any potential adverse effects on Sanctuary resources and qualities from the conduct of the activity.

(d) For jade collection, preference will be given for applications proposing to collect loose pieces of jade for research or educational purposes.

(e) The Director may consider such other factors as he or she deems appropriate.

(f) Applications.

(1) Applications for permits should be addressed to the Director, Office of National Marine Sanctuaries; ATTN: Superintendent, Monterey Bay National Marine Sanctuary, 299 Foam Street, Monterey, CA 93940.

(2) In addition to the information listed in 15 CFR 922.48(b), all applications must include information the Director needs to make the findings in paragraph (b) of this section and information to be considered by the Director pursuant to paragraph (c) of this section.

(g) In addition to any other terms and conditions that the Director deems appropriate, a permit issued pursuant to this section must require that the permittee agree to hold the United States harmless against any claims arising out of the conduct of the permitted activities.

§ 922.134 Notification and review.

(a) [Reserved]

(b)(1) NOAA has entered into a Memorandum of Agreement (MOA) with the State of California, EPA, and the Association of Monterey Bay Area Governments

COAST PILOT 7 (Continued)

regarding the Sanctuary regulations relating to water quality within State waters within the Sanctuary.

With regard to permits, the MOA encompasses:

- (i) National Pollutant Discharge Elimination System (NPDES) permits issued by the State of California under section 13377 of the California Water Code; and
- (ii) Waste Discharge Requirements issued by the State of California under section 13263 of the California Water Code.

(2) The MOA specifies how the process of 15 CFR 922.49 will be administered within State waters within the Sanctuary in coordination with the State permit program.

Appendix A to Subpart M of Part 922— Monterey Bay National Marine Sanctuary Boundary Coordinates

[Coordinates in this appendix are unprojected (Geographic Coordinate System) and are calculated using the North American Datum of 1983]

Point ID No.	Latitude	Longitude
Seaward Boundary		
1	37°52'53.8"	122°37'40.3"
2	37°39'59.0"	122°45'3.7"
3	37°36'58.3"	122°46'9.7"
4	37°34'17.2"	122°48'14.3"
5	37°31'47.5"	122°51'35.5"
6	37°30'34.1"	122°54'22.1"
7	37°29'39.0"	123°0'27.7"
8	37°30'29.4"	123°5'46.2"
9	37°31'12.0"	123°7'43.6"
10	37°27'10.9"	123°8'24.3"
11	37°20'35.3"	123°7'54.1"
12	37°13'50.2"	123°6'15.5"
13	37°7'48.7"	123°1'43.1"
14	37°3'46.6"	122°54'45.3"
15	37°2'6.3"	122°46'35.0"
16	36°55'17.5"	122°48'21.4"
17	36°48'22.7"	122°48'56.3"
18	36°41'30.9"	122°48'19.4"
19	36°34'45.7"	122°46'26.9"
20	36°28'24.1"	122°43'32.4"
21	36°22'20.7"	122°39'28.4"

22	36°16'43.9"	122°34'26.7"
23	36°11'44.5"	122°28'37.1"
24	36°7'26.9"	122°21'54.9"
25	36°4'7.1"	122°14'39.7"
26	36°1'28.2"	122°7'0.1"
27	35°59'45.4"	121°58'56.3"
28	35°58'59.1"	121°50'26.4"
29	35°58'53.6"	121°45'22.8"
30	35°55'45.5"	121°42'40.2"
31	35°50'15.8"	121°43'9.1"
32	35°43'14.2"	121°42'43.7"
33	35°35'41.8"	121°41'25.0"
34	35°33'11.7"	121°37'49.7"
35	35°33'17.4"	121°5'52.9"
36	37°35'39.7"	122°31'14.9"
37	37°36'49.2"	122°37'0.2"
38	37°46'0.9"	122°39'0.3"
39	37°49'3.3"	122°31'49.7"
Harbor Exclusions		
40	37°29'38.9"	122°29'5.3"
41	37°29'43.4"	122°29'8.7"
42	36°57'38.9"	122°0'6.3"
43	36°57'41.1"	122°0'4.0"
44	36°48'24.6"	121°47'29.2"
45	36°48'4.7"	121°47'25.6"
46	36°36'30.1"	121°53'22.9"
47	36°36'20.8"	121°53'22.7"

Appendix B to Subpart M of Part 922—Zones Within the Sanctuary Where Overflights Below 1000 Feet are Prohibited

The four zones are:

(1) From mean high water out to three nautical miles (NM) between a line extending from Point Santa Cruz on a southwesterly heading bearing of 220° true and a line extending from 2.0 nmi north of Pescadero Point on a southwesterly heading bearing of 240° true;

(2) From mean high water out to three nmi between a line extending from the Carmel River mouth on a westerly heading bearing of 270° true and a line extending due west along latitude 35°33'17.5" off of Cambria;

COAST PILOT 7 (Continued)

(3) From mean high water and within a five nmi arc drawn from a center point at the end of Moss Landing Pier as it appeared on the most current NOAA nautical charts as of January 1, 1993; and

(4) Over the waters of Elkhorn Slough east of the Highway One bridge to Elkhorn Road.

Appendix C to Subpart M of Part 922—Dredged Material Disposal Sites Within the Sanctuary

[Coordinates in this appendix are unprojected (Geographic Coordinate System) and are calculated using the North American Datum of 1983]

Point ID No.	Latitude	Longitude
Santa Cruz Harbor/Twin Lakes Dredge Disposal Site		
1	36°57'45.0"	122°0'2.0"
2	36°57'45.0"	121°59'54.9"
3	36°57'41.0"	121°59'53.9"
4	36°57'41.0"	122°0'2.9"
SF-12 Dredge Disposal Site		
1	36°48'7.4"	121°47'31.4"
2	36°48'5.6"	121°47'31.8"
3	36°48'6.1"	121°47'35.7"
4	36°48'8.7"	121°47'34.6"
SF-14 Dredge Disposal Site (circle with 500 yard radius)		
1	36°47'52.7"	121°49'8.6"
Monterey Harbor/Wharf II Dredge Disposal Site		
1	36°36'10.6"	121°53'21.9"
2	36°36'10.1"	121°53'16.3"
3	36°36'3.3"	121°53'17.7"
4	36°36'4.3"	121°53'23.2"

Appendix D to Subpart M of Part 922—Dredged Material Disposal Sites Adjacent to the Monterey Bay National Marine Sanctuary

[Coordinates in this appendix are unprojected (Geographic Coordinate System) and are calculated using the North American Datum of 1983]

As of January 1, 1993, the U.S. Army Corps of Engineers operates the following dredged material disposal site adjacent to the Sanctuary off of the Golden Gate:

Point ID No.	Latitude	Longitude
1	37°45'52.4"	122°34'8.4"
2	37°44'58.6"	122°37'22.1"
3	37°44'29.4"	122°37'9.5"
4	37°45'24.3"	122°33'53.3"
5	37°45'52.4"	122°34'8.4"

Appendix E to Subpart M of Part 922—Motorized Personal Watercraft Zones and Access Routes Within the Sanctuary

[Coordinates in this appendix are unprojected (Geographic Coordinate System) and are calculated using the North American Datum of 1983]

The five zones and access routes are:

(1) The approximately one [1.0] NM² area off Pillar Point Harbor from harbor launch ramps, through harbor entrance to the northern bound-ary of Zone One:

Point ID No.	Latitude	Longitude
1 (flashing 5-second breakwater entrance light and horn located at the seaward end of the outer west breakwater)	37°29'38.2"	122°29'5.1"
2 (bell buoy)	37°28'54.0"	122°28'59.9"
3	37°28'48"	122°28'0.0"
4	37°29'35.9"	122°28'0.0"
5	37°29'38.2"	122°29'5.1"

(2) The approximately five [5.0] NM² area off of Santa Cruz Small Craft Harbor from harbor launch ramps, through harbor entrance, and then along a 100 yard wide access route southwest along a true bearing of approximately 196° true (180° magnetic) to the whistle buoy at 36°56'17.9"N., 122°0'36"W. Zone Two is bounded by:

Point ID No.	Latitude	Longitude
--------------	----------	-----------

COAST PILOT 7 (Continued)

1	36°55'0.0"	122°1'59.9"
2	36°55'0.0"	121°58'0.0"
3	36°56'30.0"	121°58'0.0"
4	36°56'30.0"	122°1'59.9"

(3) The approximately six [6.0] NM² area off of Moss Landing Harbor from harbor launch ramps, through harbor entrance, and then along a 100 yard wide access route west along a bearing of approximately 270° true (255° magnetic) due west to the eastern boundary of Zone Three bounded by:

Point ID No.	Latitude	Longitude
1	36°49'59.9"	121°49'18.0"
2	36°49'59.9"	121°50'48.0"
3	36°46'41.9"	121°50'48.0"
4	36°46'41.9"	121°49'0.0"
5 (bell buoy)	36°47'53.9"	121°48'6.0"
6	36°48'54"	121°48'11.9"

(4) The approximately five [5.0] NM² area off of Monterey Harbor from harbor launch ramps to the seaward end of the U.S. Coast Guard Pier, and then along a 100 yard wide access route due north to the southern boundary of Zone Four bounded by:

Point ID No.	Latitude	Longitude
1	36°38'42"	121°55'23.9"
2	36°36'54"	121°52'30"
3	36°38'17.9"	121°51'18"
4	36°40'0.0"	121°54'24.0"

(5) The approximately one-tenth [0.10] NM² area near Pillar Point from Pillar Point Harbor entrance along a 100 yard wide access route southeast along a true bearing of approximately 174° true (159° magnetic) to the bell buoy (identified as "Buoy 3") at 37°28'53.5"N., 122°28'53.6"W and then along a 100 yard wide access route northwest along a true bearing of approximately 284° true (269° magnetic) to the gong buoy (identified as "Buoy 1") at 37°29'10.5"N., 122°30'21.7"W, the southwest boundary of Zone Five. Zone Five exists only when a High Surf Warning has been issued by the National Weather Service and is in effect for San Mateo

County and only during December, January, and February. Zone Five is bounded by:

Point ID No.	Latitude	Longitude
1 (gong buoy identified as "Buoy 1")	37°29'10.5"	122°30'21.7"
2	37°29'34.9"	122°30'21.7"
3 (sail rock)	37°29'34.9"	122°30'3.7"
4	37°29'10.5"	122°30'3.7"

Appendix F to Subpart M of Part 922—Davidson Seamount Management Zone

[Coordinates in this appendix are unprojected (Geographic Coordinate System) and are calculated using the North American Datum of 1983]

Point ID No.	Latitude	Longitude
1	35°54'0"	123°0'0"
2	35°54'0"	122°30'0"
3	35°30'0"	122°30'0"
4	35°30'0"	123°0'0"

(FR 11/20/08; CL 466/09)

42/09

COAST PILOT 7 41 Ed 2009 Change No. 28

Page 270—Paragraph 70, lines 3 to 4; read:
total of 764,500 square feet of dry storage space and 1,997,400 cubic feet of cold storage ...
(PS 27/98) 42/09

Page 271—Paragraph 83, line 4; read:
railway can handle craft up to 1,000 tons. Complete shipyard ...
(PS 27/98) 42/09

Page 271—Paragraph 87; strike out.
(50/88 CG11; NOS/09; NOS 18773) 42/09

Page 291—Paragraph 366, lines 6 to 7; read:
guide for navigating the openings. In March 2006-March 2009, the controlling depths were 13 feet in the entrance channel ...
(BP 191395; DDs 7410-11; DD 13150; DD 15476) 42/09

Page 352—Paragraph 263, lines 2 to 6; read:
Redwood City Municipal Marina, just S of the port in about 37°30'08"N., 122°12'45"W., can accommodate about 225

COAST PILOT 7 (Continued)

small craft. Other small-craft facilities are further upstream in Redwood Creek. A full service marina on the S side of Westpoint Slough can accommodate vessels up to 120 feet.
(NOS 18652; CL 645/09) 42/09

Page 409—Paragraph 33, lines 15 to 18; read:

In May-June 2009, the controlling depth was 8 feet in the entrance channel to the access channel, thence 9 feet in the access channel.
(CL 1196/09) 42/09

Page 416—Paragraph 131, lines 6 to 8; read:

bascule bridge. In May 2009, the controlling depth was 8 feet to the mooring basin at the entrance to the boat basin, thence 10 feet to the bridge. The channel from the junction ...
(CL 1194/09; CEM-Portland/79) 42/09

COAST PILOT 7 41 Ed 2009 Change No. 29

Page 356—Paragraph 307, lines 3 to 5; read:

the airport at the S end of San Leandro Bay. Mariners should exercise ...
(NOS 18652) 42/09

Page 357—Paragraph 319, line 4; read:

Controlling depths.)

Regulated Navigation Areas

A **security zone** has been established around the Chevron Long Wharf. (See **165.1197**, chapter 2, for limits and regulations.) A **restricted area** extends 0.3 mile offshore at Molate Point, site of a Navy fuel depot 0.8 mile N of Richmond-San Rafael Bridge. (See **334.1090**, chapter 2, for limits and regulations.) In May 2000, shoaling to 16 feet was off the end of the Navy depot in about 37°56'47"N., 122°25'40"W. **Regulated navigation areas** are in the entrance channel and between Point Richmond and Point Potrero. (See **165.1181**, chapter 2, for limits and regulations.)
(33 CFR 165; 33 CFR 334; NOS 18653) 42/09

Page 360—Paragraphs 337 to 338; read:

Repairs

Repairs to fishing boats, recreational craft and other types of small vessels can be made at three marine repair yards on the Santa Fe Channel. A marine railway at one of the yards has a 20-ton hauling capacity and boat lifts to 88 tons are also available. There are no floating drydocks for public use at the port; the nearest such facilities are located at Oakland.

Small-craft facilities

A marina and yacht club are in **Richmond Marina Bay** and a private yacht harbor is on the E side of Point Richmond. Available services include: transient berths, gasoline, diesel fuel, electricity, water, ice, pump-out and a launching ramp.
(PS 31/00; NOS 18652) 42/09

Page 360—Paragraph 340; strike out.
(NOS/09) 42/09

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I ATLANTIC COAST, 2009

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2195	<i>Middle Rock Lighted Buoy 5</i>	44 17 37 N 68 18 25 W	FIG 2.5s		3	Green.	Replaced by can when endangered by ice. * 42/09
5520	Burnt Island Light	43 49 31 N 69 38 25 W	FI R 6s (2W sectors)	61	W 8 W 8 R 6 R 6	White conical tower.	White from 307° to 316°, and from 355° to 008°, covers fairways. Emergency light of reduced intensity when main light is extinguished. HORN: 1 blast ev 10s (1s bl). * 42/09
6965	- Buoy 9	43 48 36 N 70 06 21 W				Green can.	* 42/09
9495	- Danger Daybeacon On ledge. *					NW on spindle.	DANGER-SHOALING 42/09
13885	Stage Harbor Buoy 6	41 39 16 N 69 59 14 W					* 42/09
*16926	New Bedford South Terminal Buoy 1	41 37 35 N 70 54 51 W					Private aid. 42/09
*16926.1	New Bedford South Terminal Buoy 2	41 37 26 N 70 54 48 W					Private aid. 42/09
*16926.2	New Bedford South Terminal Buoy 3	41 37 27 N 70 54 48 W					Private aid. 42/09
*16926.3	New Bedford South Terminal Buoy 4	41 37 24 N 70 54 46 W					Private aid. 42/09
*16926.4	New Bedford South Terminal Buoy 5	41 37 19 N 70 54 47 W					Private aid. 42/09
*16926.5	New Bedford South Terminal Buoy 6	41 37 19 N 70 54 48 W					Private aid. 42/09
*16926.6	New Bedford South Terminal Buoy 7	41 37 13 N 70 54 50 W					Private aid. 42/09
*16926.7	New Bedford South Terminal Buoy 8	41 37 14 N 70 54 50 W					Private aid. 42/09

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 ATLANTIC COAST, 2009

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*16926.8	New Bedford South Terminal Buoy 9	41 37 13 N 70 54 51 W					Private aid. 42/09
*16926.9	New Bedford South Terminal Buoy 10	41 37 14 N 70 54 52 W					42/09
17200	- Buoy 21		FI G 4s *			Green can.	Private aid. 42/09
*36887	Brooklyn Army Terminal Hazard Lighted Buoy	40 38 54 N 74 01 49 W	FI W 4s			White and orange.	Private aid. 42/09

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II ATLANTIC COAST, 2009

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1115	- Buoy 4	39 28 34 N 74 17 14 W				Red nun.	 * 42/09
1125	- Little Egg Inlet Buoy 6	39 29 22 N 74 18 12 W				Red nun.	 * 42/09
11040	- CHANNEL LIGHT 9		FI G 4s	15	4	SG on multi-pile structure.	 * 42/09
Nansemond River							
11060	- CHANNEL LIGHT 11	36 52 59 N 76 29 49 W	FI G 4s	15	4	SG on pile.	 * 42/09
11075	- CHANNEL LIGHT 12	36 52 31 N 76 30 18 W	FI R 4s	15	3	TR on pile.	 * 42/09
11090	- CHANNEL LIGHT 16		FI R 4s	15	3	TR on multi-pile structure.	 * 42/09
11100	- CHANNEL LIGHT 19		FI G 4s	15	4	SG on slatted pile structure.	 * 42/09
11120	- CHANNEL LIGHT 25		FI G 4s	15	4	SG on pile.	 * 42/09
11130	- CHANNEL LIGHT 28		FI R 4s	15	3	TR on pile.	 * 42/09

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II ATLANTIC COAST, 2009							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19175	- Channel Daybeacon 3						<i>Remove from list.</i>
							* 42/09
19180	- Channel Daybeacon 5						<i>Remove from list.</i>
							* 42/09
19185	- Channel Daybeacon 6						<i>Remove from list.</i>
							* 42/09
Deep Creek							
22190	- ENTRANCE LIGHT 1	37 48 47 N 75 48 26 W	FI G 4s	15	4	SG on multi-pile.	
							* 42/09
22215	- Daybeacon 9	37 48 13 N 75 45 39 W				SG on pile.	
							* 42/09
*22270	HUNTING CREEK LIGHT 5	37 48 28 N 75 43 51 W	FI G 4s	19	4	SG on pile.	
							* 42/09
22295	- Daybeacon 12	37 47 30 N 75 42 37 W				TR on pile.	
							* 42/09
23450	- Daybeacon 5	38 09 04 N 75 48 51 W				SG on pile.	
							* 42/09
24549	<i>Honga River Lighted Buoy 12</i>						<i>Remove from list.</i>
							* 42/09
24595	- CHANNEL LIGHT 4	38 20 45 N 76 15 01 W	FI R 4s	15	3	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
							* 42/09
24960	La Trappe Creek Daybeacon 2	38 37 37 N 76 07 12 W				TR on caisson.	
							* 42/09
CHOPTANK RIVER - CAMBRIDGE TO GREENSBORO (Chart 12268)							
Choptank River							
24995	HAMBROOKS BAR LIGHT	38 35 42 N 76 04 51 W	FI W 2.5s (R sector)	19	W 6 R 5	On white cylindrical structure on red base.	Red from 312° to 335° covers shoal south side of river at entrance to Cambridge.
							* 42/09
25435	- Daybeacon 5	38 42 13 N 76 09 11 W				SG on pile.	
							* 42/09

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II ATLANTIC COAST, 2009							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
25445	Trippe Creek Daybeacon 1	38 42 33 N 76 08 23 W				SG on pile.	
		*					42/09
25500	- Daybeacon 22	38 46 02 N 76 05 47 W				TR on pile.	
		*					42/09
25550	- Daybeacon 3	38 43 22 N 76 16 26 W				SG on pile.	
		*					42/09
Broad Creek							
25700	- Daybeacon 5	38 44 40 N 76 14 37 W				SG on pile.	
		*					42/09
28003	- Lighted Buoy 6	35 46 39 N 75 31 14 W	Q R		3	Red.	
		*					42/09
28007	- Buoy 8	35 46 56 N 75 31 41 W				Red nun.	
		*					42/09
28330	Walter Slough Buoy 7	35 47 31 N 75 33 41 W				Green can.	
		*					42/09
*33373	Carolina Wind Yacht Center Buoy 1	35 32 23 N 77 03 30 W				Green can.	Private aid.
							42/09
*33373.1	Carolina Wind Yacht Center Buoy 2	35 32 24 N 77 03 33 W				Red nun.	Private aid.
							42/09
*33373.2	Carolina Wind Yacht Center Buoy 3	35 32 21 N 77 03 32 W				Green can.	Private aid.
							42/09
*33373.3	Carolina Wind Yacht Center Buoy 4	35 32 21 N 77 03 34 W				Red nun.	Private aid.
							42/09

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COASTS - LITTLE RIVER, SOUTH CAROLINA TO ECONFINA RIVER, FLORIDA, 2009

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3585 34600	-Ashley River Lighted Buoy 2		FIR 2.5s		4	Red with yellow triangle.	
	*		*		*	*	42/09

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COASTS - LITTLE RIVER, SOUTH CAROLINA TO ECONFINA RIVER, FLORIDA, 2009							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*10003	ST LUCIE INLET LIGHT 4	27 10 03 N 80 08 56 W	FI R 2.5s	16	4	TR on pile.	42/09
10005	- Daybeacon 1						Remove from list. * 42/09
Clearwater Marina Channel							
25730	- Daybeacon 2	27 57 47 N 82 49 07 W				TR on pile.	* 42/09
25735	- LIGHT 3	27 57 47 N 82 49 09 W	Q G	16	3	SG on pile.	* 42/09
38905.5	- Lighted Buoy 59	29 54 34 N 81 17 40 W	FI G 2.5s			Green.	* 42/09
CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV GULF OF MEXICO - ECONFINA RIVER, FLORIDA TO THE RIO GRANDE, TEXAS, 2009							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
132	Bay County Midway II Artificial Reef Lighted Buoy	30 01 18 N 85 42 13 W	FI Y 2.5s			Yellow.	SIGN: MIDWAY II/RED SEA TUG REEF-BAY COUNTY FL. Private aid. * 42/09
2912	ST. JOSEPH STATE PARK ENTRANCE LIGHT 2	29 45 54 N 85 24 11 W	FI R 2.5s	6		TR on pile.	Private aid. * 42/09
3167.12	- Daybeacon 7	29 57 00 N 85 25 50 W	FI G 6s	10		SG on pile.	Private aid. * 42/09
3167.14	- Daybeacon 8		FI R 6s	10		TR on pile.	Private aid. * 42/09
Weyerhaeuser Water Intake							
5540	- LIGHT A	33 26 06 N 88 26 24 W	FI G 6s	36	36	NW on pile.	Private aid. * 42/09
5545	- LIGHT B		FI (2) R 6s	36	36	NW on pile.	Private aid. * 42/09
5550	- LIGHT C		FI G 6s	36	36	NW on pile.	Private aid. * 42/09

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV GULF OF MEXICO - ECONFINA RIVER, FLORIDA TO THE RIO GRANDE, TEXAS, 2009

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5555	- LIGHT D		FI (2) R 6s	36	36	NW on pile.	Private aid.
			*	*			42/09
12520	JOHNSON PASS LIGHT 1	29 05 24 N 89 09 42 W	FI W 2.5s	12		On dolphin.	Private aid.
			*				42/09
13776	Jefferson Parish Water Intake Danger Buoys (9)	29 57 10 N 90 09 46 W	FI W 4s			White and orange bands with orange diamond, worded DANGER WATER INTAKE.	Private aid.
			*				42/09
14435	RIVER CEMENT CO. DOCK LIGHTS (2) LDB mile 170.9.	30 08 25 N 90 56 22 W	FI R 2.5s	21		On mooring dolphin.	Private aids.
				*			42/09
15355	- LIGHT 12 150 feet outside limit.						Remove from list.
							*
							42/09
17688.3	BAYOU DULARGE FLOODGATE TRAFFIC LIGHT	29 20 06 N 90 50 30 W	OTHER	9		On pile.	Traffic light displays FI R 2.5s when closed. Displays FI G 2.5s when open. Private aid.
	*		*				*
							42/09
17688.4	BAYOU DULARGE FLOODGATE LIGHT D	29 20 06 N 90 50 36 W	FI R 2.5s	12		On pile.	Private aid.
	*						42/09
17688.5	BAYOU DULARGE FLOODGATE LIGHT E	29 20 06 N 90 50 30 W	FI R 2.5s	9		On pile.	Private aid.
	*						42/09
21115	PPG CHLORINE LOADING LIGHT	30 13 24 N 93 16 42 W	F G	16		On corner of dock.	Private aid.
			*				42/09
21180	LAKE CHARLES HARBOR DOCK LIGHT A	30 13 06 N 93 15 36 W	FI R 2.5s	10		On dolphin.	Private aid.
				*			42/09
40085	- Daybeacon 17						Remove from list.
							*
							42/09

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2009

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8135	- Lighted Bell Buoy 2	40 46 00 N 124 15 00 W	FI R 4s		4		
		*					42/09
15615	- SOUTH REACH RANGE A REAR LIGHT 600 yards, 092.3° from front light.		Iso R 6s	50		KRB on skeleton tower on pile structure.	Visible 10° each side of rangeline.
							* 42/09
	Carr Inlet						
17295	WYCKOFF SHOAL LIGHT 1	47 14 30 N 122 42 53 W	FI G 2.5s	15	3	SG on pile.	
							* 42/09
17296	WYCKOFF SHOAL LIGHT 3	47 14 20 N 122 42 58 W	FI G 4S	15	3	SG on pile.	
							* 42/09
19395	BELLE ROCK SECTOR LIGHT	48 29 35 N 122 45 10 W	FI W 2.5s	22	R 5	NB on black cylindrical base.	Red sector visible 1.5° either side of 175°.
						* *	* 42/09
19397	BELLE ROCK SECTOR WARNING LIGHT						<i>Remove from list.</i>
							* 42/09
19475	<i>Lydia Shoal Lighted Gong Buoy 13</i>	48 35 58 N 122 46 45 W	Q G		4	Green.	Buoy may be submerged during periods of extreme current.
							* 42/09

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII GREAT LAKES AND THE ST. LAWRENCE RIVER ABOVE THE ST. REGIS RIVER, 2009

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14705	Big Bay Point Light	46 50 30 N 87 40 48 W	FI W 6s	89 27	12	Red square tower on dwelling. 60	
						*	42/09
	BIG BAY POINT TO REDRIDGE (Chart 14964)						
14730	Huron Island Light	46 57 48 N 87 59 54 W	FI W 10s	197 60	12		
						*	42/09

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SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2009 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*14727 J 5662.3	--Philipsburg	18° 00.3' N 63° 02.7' W	Q.R.				42/09
*15207	Punta Piedra.	24° 29.2' N 97° 44.5' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	82 25	10	Round concrete tower.	42/09
15554.1 J 4390.5	--No. 2.	19° 39.1' N 90° 42.5' W	Iso.G. period 2s	13 4	4	Green tower; 11.	42/09
				*			42/09
*15705	-E. breakwater.	20° 49.7' N 86° 53.4' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	23 7	6	Red concrete structure; 23.	42/09
*15705.1	--Inner point.	20° 49.8' N 86° 53.4' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	16 5	4	Red metal structure; 13.	42/09
*15706	-W. breakwater.	20° 49.7' N 86° 53.4' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	33 10	6	Red concrete structure; 23.	42/09
*15707	-Diesel pier.	20° 49.8' N 86° 53.4' W	Fl.Y. period 2s fl. 0.5s, ec. 1.5s	16 5	4	Red metal structure; 13.	42/09
*15707.1	-Pier "B".	20° 49.8' N 86° 53.4' W	Iso.R. period 2s	16 5	4	Red metal structure; 13.	42/09

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2008 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
697 G 2086.1	-Paso del Norte Range, front.	9° 04.8' S 78° 36.7' W	Fl.G. period 1.3s fl. 0.5s, ec. 0.8s	31 10	5	Iron tower, concrete base; 26.	42/09
			*				42/09
697.5 G 2086.11	--Rear, 400 meters 076°30' from front.	9° 04.7' S 78° 36.5' W	Fl.G. period 3s fl. 0.5s, ec. 2.5s	46 14	5	Iron tower, concrete base; 39.	42/09
			*				42/09
698 G 2086.4	-Mineral dock No. 3.	9° 04.7' S 78° 36.7' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	2	Red metal post; 11.	42/09
			*				42/09

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 PUB 111, LIST OF LIGHTS, 2008 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
699 <i>G 2086.6</i>	--SE. corner.	9° 04.8' S 78° 36.6' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	4	Metal tower; 13.	
			*	*			42/09
700 <i>G 2085</i>	--Islote Roca Blanca.	9° 05.0' S 78° 37.4' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	85 26	4	Red metal framework tower; 13.	
			*				42/09
701 <i>G 2086.5</i>	--Pier No. 3, head.	9° 04.8' S 78° 36.8' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	16 5	2	Metal post; 11.	
*			*				42/09
702 <i>G 2086.2</i>	--Pier No. 1, head.	9° 04.8' S 78° 37.0' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	26 8	2	Red metal post; 20.	
			*				42/09
703 <i>G 2086.3</i>	--Pier No. 2, head.	9° 04.6' S 78° 36.8' W	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	2	Black metal post; 13.	
			*			*	42/09
708 <i>G 2084.4</i>	N. Ferrol Island.	9° 08.4' S 78° 37.2' W	Fl.(2)W. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	299 91	9	Red metal framework tower, white band; 23.	
	RACON		Z(- - • •)				42/09
5122.3 <i>K 4260.3</i>	--SW.	41° 16.4' S 173° 59.8' E	L.Fl.G. period 5s	7 2	3	White post; 3.	
			*				42/09
11584 <i>G 5808.2</i>	-Ryan Point Reef.	54° 21.6' N 130° 29.9' W	Fl.W. period 6s fl. 0.5s, ec. 5.5s	24 7	3	White round tower on 4-pile dolphin.	
				*	*	*	42/09
11588 <i>G 5808</i>	-Shrub Island.	54° 19.8' N 130° 27.6' W	Q.R.	25 8	3	White round tower, red band at top on 4-pile dolphin.	
				*	*	*	42/09
*Add Heading: *MALACCA PASSAGE:							
*11747 <i>G 5771</i>	-Lawyer Islands, N., on Cruice Rock.	54° 07.0' N 130° 20.8' W	Q.W.	25 8	3	White cylindrical tower, red band at top.	
							42/09

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SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2008 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*11747.5 G 5771.5	--S.	54° 06.1' N 130° 20.0' W	Fl.W. period 4s	29 9	3	White cylindrical tower, red band at top.	42/09
*11773 G 5761.6	-Cecil Patch.	54° 03.8' N 130° 16.7' W	Q.G.	24 7	3	White cylindrical tower, green band at top on 4-pile dolphin.	42/09
12512 G 5589	-Cinque Island.	50° 17.7' N 125° 23.9' W	Fl.R. period 4s fl. 0.5s, ec. 3.5s	20 6	5	White mast, red and white triangular daymark. *	42/09
12588 G 5574.8	Maurelle Island, Hole in the Wall, W. entrance.	50° 18.0' N 125° 12.0' W	Q.R.	23 7	3 *	White round tower, red band at top. *	42/09
12644 G 5574.6	-Whiterock Passage.	50° 14.6' N 125° 06.6' W	Q.W.	17 5	4	White round tower. *	42/09
13308 G 5486.2	Silva Bay.	49° 09.0' N 123° 41.0' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	15 5 *	4 *	White mast, black, white and green square daymark. *	42/09
13332 G 5390	Joan Point, W. side of Dodd Narrows.	49° 08.1' N 123° 49.0' W	Q.W.	29 9	5	White round tower, green band at top.	Radar reflector. * 42/09

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2008 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
16711.7	-SPM "C".						<i>Remove from list.</i> * 42/09
16924 M 4323.8	-No. "8".	34° 50.2' N 128° 25.0' E	Fl.R. period 5s	26 8	8	STARBOARD (B) R, tower, topmark; 46. *	42/09
17380 M 4266.5	-Jeju Hang, breakwater, head. -RACON	33° 32.0' N 126° 32.5' E	Fl.R. period 5s C(- • - •)	69 21	8 10	Red round concrete tower; 52. *	42/09
*17853 M 4154.69	Yeoeundol Hang, breakwater.	36° 44.8' N 126° 07.6' E	Fl.G. period 4s	56 17	6	White octagonal concrete tower; 33.	42/09

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SECTION II

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2008 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9460 <i>E 1654</i>	--(Angle), W. head.	40° 50.2' N 14° 16.8' E	FL.R.G. period 4s fl. 1s, ec. 3s	23 7	5	Red and green column on pedestal; 16.	G. 032°-175°, R.-298°.
		*	*			*	* 42/09
9548 <i>E 1694</i>	-Molo di Sottoflutto, head.	40° 41.8' N 14° 28.5' E	FL.R. period 5s fl. 1s, ec. 4s	26 8	3	Red post; 20.	
			*	*		*	42/09
SHENGJIN:							
14328 <i>E 3723</i>	-Ishull i Sazanit, on N. point.	40° 30.7' N 19° 16.2' E	Fl.(4)W. period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	515 157	14	Tower on building; 39.	Visible 318°-065°.
	*	*	*	*	*	*	* 42/09
*17061 <i>E 4896.2</i>	-Kumbag, fishing harbor, breakwater, head.	40° 51.9' N 27° 27.7' E	F.R.	23 7	8	Concrete tower; 7.	
							42/09
17068 <i>E 4897</i>	-Orencik, Venedik Tasi.	40° 57.7' N 27° 53.8' E	FL.W. period 6s fl. 1s, ec. 5s	30 9	10	White tower on concrete base; 16.	
			*			*	42/09
17108 <i>E 4903.4</i>	-Kumkapi Barinak, pier, head.	41° 00.0' N 28° 57.9' E	FL.R. period 3s fl. 0.5s, ec. 2.5s	33 10	6	White concrete tower; 30.	AIS (MSSI No 992711003).
						*	* 42/09
*17221 <i>E 4918.8</i>	-Outer harbor, breakwater, head.	40° 49.1' N 29° 16.0' E	F.G.	16 5	5	White metal framework tower; 10.	
							42/09
*17222 <i>E 4919</i>	-Inner harbor, N. breakwater, head.	40° 48.6' N 29° 15.9' E	F.G.	16 5	5	White metal framework tower; 10.	
							42/09
*17223 <i>E 4919.2</i>	--S. breakwater, head.	40° 48.5' N 29° 15.9' E	F.R.	16 5	5	White metal framework tower; 10.	
							42/09
17294 <i>E 4916.3</i>	-Aydinbey Yarimadasi, S. head.	40° 51.6' N 29° 15.4' E	FL.R. period 5s fl. 1s, ec. 4s	23 7	8	White metal framework tower; 19.	AIS (MSSI No 992711004).
						*	* 42/09
17324 <i>E 4913</i>	-Bostanci, mole, head.	40° 57.0' N 29° 05.6' E	FL.R. period 2s fl. 0.3s, ec. 1.7s	20 6	5	White concrete tower; 16.	AIS (MSSI No 992711001).
		*		*		*	* 42/09

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SECTION II

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2008 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17328 <i>E 4910</i>	-Fener Burnu.	40° 58.1' N 29° 01.9' E	Fl.(2)W. period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	82 25	15	White concrete tower and dwelling; 65.	
		*				*	* 42/09
17352 <i>E 4904</i>	--Outer detached breakwater, NW. extremity.	41° 00.5' N 29° 00.1' E	Fl.G. period 3s fl. 1s, ec. 2s	49 15	8	White concrete tower; 26.	
	--RACON		G(- - •)		20		* 42/09
		*	*	*	*		*

CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2009 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10916 <i>B 1894</i>	-Agger-Tange Range, front.	56° 43.0' N 8° 14.1' E	Iso.W.R.G. period 4s	26 8	W. 10 R. 7 G. 7	Red tower; 16.	G. 074°30'-079°30', W.- 084°30', R.-089°30'.
					*		* 42/09
10924 <i>B 1897</i>	-Svaneholm Range, front.	56° 42.5' N 8° 14.6' E	Iso.W. period 2s	23 7	10	Red structure, red triangular daymark, point up; 6.	Visible 113°-127°.
					*		* 42/09
10928 <i>B 1897.1</i>	--Rear, 312 meters 120° from front.	56° 42.4' N 8° 14.8' E	Iso.W. period 2s	42 13	10	Framework mast, red triangular daymark, point down; 42.	Visible 113°-127°. Synchronized with front.
					*		* 42/09

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**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 42/09**

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

NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.
DIGITAL PUBS - QUARTERLY			CHART NO. 4		
CDPUBQTLY	2009	N34/09*	WOBZC4	1988	N23/91*
FLEET GUIDES			ATLAS OF PILOT CHARTS		
CDPUBFGATL	2005	N28/05*	NVPUB106	2002	42/03*
CDPUBFGPAC	2004	N17/04*	NVPUB107	1998	30/99*
			NVPUB109	2001	49/02*
NOS MISCELLANEOUS PUBLICATIONS			USCG NAVIGATION RULES		
NOSPBCATALOGA	2009	27/09*	COMDTM166722D	1999	44/99*;52/00;16/04
NOSPBCATALOGG	2009	9/09*	NOS TIDE TABLES		
NOSPBCATALOGK	2009	31/09*	NOSPBTTWCWPACIN9	2009	N3/09*
NOSPBCATALOGL	2009	19/09*	NOSPBTTTECSTNSA9	2009	N3/09*
NOSPBCATALOGP	2009	17/09*	NOSPBTTTEURAFR9	2009	N3/09*
			NOSPBTTWCSTNSA9	2009	N3/09*
ALMANACS			TIDAL CURRENT TABLES		
AIRALMANAC101	2010	30/09*	NOSPBTTCTATCSTN9	2009	N3/09*
NAUTALMANAC10	2010	24/09*	NOSPBTTCTPACAS9	2009	N3*,N5,N22/09
COAST PILOT					
NOSPBCP1	39	18*,19,24,26,28,29,32/09			
NOSPBCP2	38	47*,48,49/08;1,5,9,10,13,15,16,20,23,28,29,32,33,34,35,38,42/09			
NOSPBCP3	42	8*,10,13,21,23,25,27,30,32,33,37,41/09			
NOSPBCP4	41	42/09*			
NOSPBCP5	37	25*,26,27,28,29,31,32,33,34,35,37,42/09			
NOSPBCP6	39	13*,14,21,22,24,25,31,34,35,36,37,41/09			
NOSPBCP7	41	2*,7,8,10,11,12,13,14,15,16,18,20,25,31,33,36,37,41,42/09			
NOSPBCP8	31	31*,32,37/09			
NOSPBCP9	27	36/09*			
RADIO NAVIGATIONAL AIDS					
PUB117	2005	4/05*			
AMERICAN PRACTICAL NAVIGATOR					
NVPUB9	2002	36/02*;14,38/03;40/05			
INTERNATIONAL CODE OF SIGNALS					
PUB102	2003	20/03*			
WORLD PORT INDEX					
PUB150	2005	7/05*			
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	2007	38/07*			
SRPUB249V2	1952	46/52*			
SRPUB249V3	1952	46/52*			
CHART NO. 1					
WOBZC1	1997	18/98*			

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 081500Z October 2009:

2009 series	70(24)	366(GEN)	389(38)	403(38)	418(GEN)
34(24)	354(24)	381(11)	394(GEN)	417(GEN)	420(24)

The summary of all NAVAREA IV messages in force as of 18 December 2008 is given in Section III of NM 52/08. Warnings issued during the subsequent quarters are issued in NM 13/09, 26/09 and 39/09.

NAVAREA IV WARNINGS issued from 011100Z to 081500Z October 2009.

413/09 thru 416/09. CANCELED.

417/09(GEN).

1. NAVAREA IV MESSAGES IN FORCE 030800Z OCT 2009. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2009 SERIES: 354(24), 366(GEN), 381(11), 389(38), 394(GEN), 403(38).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 18 DEC 08 IS GIVEN IN SEC III OF NM 52/08. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/09, 26/09 AND 39/09.
3. CANCEL NAVAREA IV 404/09.

(030914Z OCT 2009)

418/09(GEN). GPS SATELLITE SYSTEM.

1. PRN 31 UNUSABLE 080830Z TO 082300Z OCT.
2. CANCEL THIS MSG 090001Z OCT.

(041315Z OCT 2009)

419/09. CANCELED.

420/09(24). COLOMBIA-NORTH COAST.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V WESTERN TRIDENT TOWING TEN FOUR MILE LONG CABLES IN AREA BOUND BY 11-25N 076-05W, 11-25N 074-55W, 11-10N 074-55W, 10-55N 075-05W, 10-55N 076-05W. FIVE MILE BERTH REQUESTED.

(050353Z OCT 2009)

421/09 and 422/09. CANCELED.

SECTION III

NM 42/09

HYDROLANTS

Messages in force 081500Z October 2009:

2007 series	498(37)	1619(24)	1786(25)	1893(12)	1921(GEN)
1924(24)	716(37)	1621(55)	1799(GEN)	1894(57)	1924(24)
2008 series	743(37)	1642(11,25,26)	1805(43)	1896(24)	1925(24)
889(35)	793(24)	1658(52)	1809(25)	1898(57)	1926(24)
1354(24)	796(51)	1659(53)	1810(57,61)	1899(51)	1927(24)
1463(24)	807(24)	1664(36)	1811(35)	1900(44)	1928(24)
1670(56)	1191(24)	1665(52)	1822(54)	1901(36)	1932(23,29)
1746(36)	1194(24)	1673(25)	1830(56)	1902(24)	1934(24)
1852(37)	1224(24)	1701(37)	1841(52)	1903(24)	1935(24)
1917(24)	1278(57)	1707(GEN)	1842(37)	1905(52)	1936(24)
2087(52)	1280(43)	1708(GEN)	1853(52)	1907(GEN)	1937(24)
2201(35)	1321(51)	1711(57)	1858(24)	1908(36)	1943(24)
2009 series	1325(35)	1712(57)	1859(51)	1909(24)	1944(24)
83(24)	1418(35)	1720(36)	1867(26)	1910(26)	1945(38)
151(54)	1481(37)	1734(51)	1871(52)	1912(24)	1947(GEN)
152(54)	1522(24)	1747(52)	1873(26)	1913(GEN)	1949(37)
153(54)	1540(43)	1757(51)	1875(GEN)	1914(24)	1950(37)
154(54)	1588(24)	1760(24)	1876(57)	1917(26)	
374(57)	1594(GEN)	1776(24)	1891(51)	1919(24)	
413(24)	1600(56)	1779(38)	1892(24)	1920(57)	

The summary of all HYDROLANTS in force as of 18 December 2008 is given in Section III of NM 52/08. Warnings issued during the subsequent quarters are issued in NM 13/09, 26/09 and 39/09.

HYDROLANT WARNINGS issued from 011100Z to 081500Z October 2009.

1890/09. CANCELED.

1891/09(51). NORTH ATLANTIC. MOROCCO.

NGA CHART 51225 (3RD ED).
NAVIGATION PROHIBITED UNTIL FURTHER NOTICE
IN AREA BOUND BY
30-20.0N 009-37.0W, 30-25.1N 009-36.5W,
30-25.1N 009-40.0W, 30-20.0N 009-40.0W.

(011713Z OCT 2009)

1892/09(24). BRAZIL-NORTHEAST COAST.

NGA CHART 24270 (3RD ED).
PONTA DA PRAIA GRANDE LIGHT 01-07.49S 045-37.72W UNLIT.

(011743Z OCT 2009)

1893/09(12). WESTERN NORTH ATLANTIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM
M/V STEALN AND REELN, YELLOW HULL, TWO
PERSONS ON BOARD, IN 38-44.1N 073-06.8W
AT 011608Z OCT. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO RCC NORFOLK,
INMARSAT-C: 430370670, TELEX: 127775,
PHONE: 757 398 6231, FAX: 757 398 6392,
E-MAIL: D05-SMB-D5CC@USCG.MIL.

(011804Z OCT 2009)

1894/09(57). GULF OF GUINEA.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL
30 NOV BY M/V ABAN ABRAHAM
IN 04-30.8N 002-53.9W.
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 01 DEC.

(011901Z OCT 2009)

1895/09. CANCELED.

1896/09(24). BRAZIL-SOUTH COAST. GUNNERY.

1. GUNNERY EXERCISES 1100Z TO 2000Z DAILY
07 AND 08 OCT IN AREA BETWEEN
32-22.32S 32-17.00S AND 052-17.88W 052-02.45W.
2. CANCEL THIS MSG 082100Z OCT.

(020114Z OCT 2009)

1897/09. CANCELED.

1898/09(57). GULF OF GUINEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 25 OCT BY M/V GEOWAVE AND M/V FIONA IN AREA BOUND BY 04-35.00N 003-13.61W, 04-35.00N 003-35.00W, 04-14.48N 003-35.00W, 03-56.00N 003-21.35W. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 26 OCT.

(020743Z OCT 2009)

1899/09(51). EASTERN NORTH ATLANTIC. GUNNERY.

1. GUNNERY EXERCISES IN PROGRESS UNTIL 31 DEC WITHIN 20 MILES OF 23-50N 017-00W.
2. CANCEL HYDROLANT 1843/09(51,57) AND 1849/09(24), OPERATIONS COMPLETED.
3. CANCEL THIS MSG 01 JAN 10.

(021249Z OCT 2009)

1900/09(44). BALTIC SEA. LITHUANIA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0700Z TO 1700Z DAILY 06 THRU 09 OCT IN AREA BOUND BY 55-37.00N 020-45.89E, 55-35.50N 021-06.00E, 55-31.00N 021-05.50E, 55-25.00N 020-59.89E, 55-22.00N 020-45.89E, 55-25.00N 020-41.89E, 55-34.00N 020-41.89E.
2. CANCEL HYDROLANT 1883/09(24), 1884/09(24), 1886/09(24).
3. CANCEL THIS MSG 091800Z OCT.

(021542Z OCT 2009)

1901/09(36). SCOTLAND-SOUTHWEST COAST.

NGA CHART 36006 (1ST ED).
CRAMMAG HEAD LIGHT 54-39.9N 004-57.8W RANGE
TEMPORARILY REDUCED TO TEN MILES.

(021735Z OCT 2009)

1902/09(24). BRAZIL-EAST COAST.

NGA CHART 24200 (14TH ED).
SUBAUMA LIGHT 12-14.4S 037-46.8W UNLIT.

(021755Z OCT 2009)

1903/09(24). BRAZIL-SOUTH COAST.

NGA CHART 24122 (2ND ED).
PONTA DOS NAUFRAGADOS LIGHT 27-50.1S 48-34.1W UNLIT.

(021810Z OCT 2009)

1904/09. CANCELED.

1905/09(52). TUNISIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 05 THRU 12 OCT IN AREA BETWEEN 35-30N 35-40N AND 011-30E 011-50E.
2. CANCEL THIS MSG 13 OCT.

(021833Z OCT 2009)

1906/09. CANCELED.

1907/09(GEN).

1. HYDROLANT MESSAGES IN FORCE 030800Z OCT 2009. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2009 SERIES: 1594(GEN), 1600(56), 1619(24), 1621(55), 1642(11,25,26), 1658(52), 1659(53), 1660(54), 1664(36), 1665(52), 1673(25), 1701(37), 1705(24), 1707(GEN), 1708(GEN), 1711(57), 1712(57), 1720(36), 1734(51), 1747(52), 1757(51), 1760(24), 1776(24), 1779(38), 1786(25), 1799(GEN), 1805(43), 1809(25), 1810(57,61), 1811(35), 1822(54), 1830(56), 1841(52), 1842(37), 1852(24), 1853(52), 1858(24), 1859(51), 1866(GEN), 1867(26), 1871(52), 1873(26), 1875(GEN), 1876(57), 1887(36), 1888(37), 1889(51), 1890(52), 1891(51), 1892(24), 1893(12), 1894(57), 1895(35), 1896(24), 1897(24), 1898(57), 1899(51), 1900(44), 1901(36), 1902(24), 1903(24), 1904(24), 1905(52), 1906(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 18 DEC 08 IS GIVEN IN SEC III OF NM 52/08. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/09, 26/09 AND 39/09.
3. CANCEL HYDROLANT 1716/09, 1744/09, 1797/09, 1818/09, 1851/09, 1857/09, 1860/09, 1862/09.

(030917Z OCT 2009)

SECTION III

NM 42/09

- 1908/09(36). CELTIC SEA.
UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY CABLESHIP IT INTERCEPTOR VICINITY OF TRACKLINE
BETWEEN 50-26.2N 006-41.3W AND 50-29.1N 006-49.2W.
WIDE BERTH REQUESTED.
(030934Z OCT 2009)
- 1909/09(24). BRAZIL-EAST COAST. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0800Z TO 2000Z DAILY
08 OCT THRU 13 NOV:
A. IN AREA BOUND BY
05-42.53S 034-45.02W, 06-09.83S 034-46.82W,
06-03.93S 034-57.22W, 05-47.03S 034-56.32W.
B. WITHIN 32 MILES OF 05-54.53S 035-14.92W.
2. CANCEL THIS MSG 132100Z NOV.
(031032Z OCT 2009)
- 1910/09(26). BAHAMAS.
23 FOOT VESSEL, GREY HULL, FIVE PERSONS ON BOARD, OVERDUE
FREEPORT (26-30N 078-45W) TO BIMINI (25-44N 079-15W).
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO RCC MIAMI,
PHONE: 305 415 6800.
(031406Z OCT 2009)
- 1911/09. CANCELED.
- 1912/09(24). BRAZIL-SOUTH COAST. GUNNERY.
1. GUNNERY EXERCISES 090800Z TO 092100Z OCT
IN AREA BETWEEN
26-26.5S 26-34.0S AND 048-00.5W 048-09.0W.
2. CANCEL THIS MSG 092200Z OCT.
(040059Z OCT 2009)
- 1913/09(GEN). GPS SATELLITE SYSTEM.
1. PRN 31 UNUSABLE 080830Z TO 082300Z OCT.
2. CANCEL THIS MSG 090001Z OCT.
(040121Z OCT 2009)
- 1914/09(24). BRAZIL-SOUTHEAST COAST. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 081500Z TO 091500Z OCT IN AREA BETWEEN
23-20S 23-35S AND 041-40W 041-25W.
2. CANCEL HYDROLANT 1889/09(51), SEARCH SUSPENDED.
3. CANCEL THIS MSG 091600Z OCT.
(040556Z OCT 2009)
- 1915/09 and 1916/09. CANCELED.
- 1917/09(26). WESTERN NORTH ATLANTIC.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN
23-59.9N 072-21.9W. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO RCC MIAMI,
PHONE: 305 415 6800.
(041621Z OCT 2009)
- 1918/09. CANCELED.
- 1919/09(24). TRINIDAD AND TOBAGO.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN
10-40.0N 061-38.8W. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO
U.S. COAST GUARD SAN JUAN,
PHONE: 787 289 2041, E-MAIL: SJJCC@USCG.MIL.
(050059Z OCT 2009)
- 1920/09(57). GULF OF GUINEA.
1. SEISMIC SURVEY IN PROGRESS UNTIL 15 OCT BY
M/V FALCON IN AREA BOUND BY
04-02.03N 006-39.39W, 04-23.28N 005-51.37W,
04-41.42N 004-18.59W, 04-13.46N 003-26.29W,
03-40.00N 003-05.14W, 03-21.06N 003-28.15W,
03-21.48N 006-18.00W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 16 OCT.
(050841Z OCT 2009)

1921/09(GEN). NORTH ATLANTIC. NORTH SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS IN PROGRESS UNTIL 151500Z OCT IN AREA BOUND BY
56-43N 006-14W, 56-00N 007-40W,
56-00N 012-00W, 61-00N 012-00W,
61-00N 000-00W, 55-00N 000-00W,
55-00N 001-25W, 58-38N 005-00W.
2. CANCEL HYDROLANT 1918/09(24).
3. CANCEL THIS MSG 151600Z OCT.

(050944Z OCT 2009)

1922/09 and 1923/09. CANCELED.

1924/09(24). BRAZIL-SOUTH COAST. GUNNERY.

1. GUNNERY EXERCISES 1200Z TO 1900Z DAILY
05 THRU 09 OCT IN AREA BOUND BY
24-00.00S 046-24.00W, 24-10.00S 046-21.00W,
24-10.00S 046-32.00W, 24-03.33S 046-32.00W.
2. CANCEL THIS MSG 092000Z OCT.

(060048Z OCT 2009)

1925/09(24). BRAZIL-SOUTHEAST COAST.

- M/V REBEKKA N REPORTS ONE CREWMAN SICK IN
24-00.0S 031-59.2W AT 052200Z OCT.
VESSELS IN VICINITY ABLE TO PROVIDE MEDICAL
ASSISTANCE REQUESTED TO ASSIST IF POSSIBLE.
REPORTS TO ANY COASTAL RADIO STATION.

(060106Z OCT 2009)

1926/09(24). BRAZIL-SOUTHEAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 100259Z OCT
BY M/V OCEAN EUROPE AND M/V SANCO STAR
IN AREA BOUND BY
22-25.93S 040-17.17W, 22-37.05S 039-58.63W,
22-23.22S 039-48.92W, 22-21.42S 039-51.90W,
22-20.82S 039-51.48W, 22-11.48S 040-07.02W.
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 100359Z OCT.

(060117Z OCT 2009)

1927/09(24). BRAZIL-SOUTHEAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 100259Z OCT
BY M/V WESTERN NEPTUNE TOWING 12 3.5 MILE
LONG CABLES IN AREA BOUND BY
21-06S 039-47W, 21-19S 038-36W,
23-08S 040-15W, 23-08S 040-40W.
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 100359Z OCT.

(060135Z OCT 2009)

1928/09(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 100259Z OCT
BY M/V RAMFORM SOVEREING TOWING 14 8100 METER
LONG CABLES IN AREA BOUND BY
24-41.52S 041-50.80W, 25-07.12S 042-58.12W,
24-01.78S 043-28.42W, 23-36.62S 042-21.30W.
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 100359Z OCT.

(060143Z OCT 2009)

1929/09 thru 1931/09. CANCELED.

1932/09(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 05 OCT:
 - A. C18A, 57-57S 042-47W.
 - B. C19D, 54-19S 043-44W.
 - C. B15L, 60-31S 035-33W.
 - D. C8, 60-27S 043-35W.
 - E. UK284, 60-30S 043-08W.
2. CANCEL HYDROLANT 1929/09(35), AID RESTORED.
3. CANCEL THIS MSG 091600Z OCT.

(061607Z OCT 2009)

1933/09. CANCELED.

1934/09(24). BRAZIL-EAST COAST.

- NGA CHART 24210 (14TH ED).
RADIOBEACON AT SERGIPE LIGHT 10-58.2S 037-02.2W INOPERATIVE.

(070050Z OCT 2009)

- 1935/09(24). BRAZIL-SOUTH COAST. GUNNERY.
 1. GUNNERY EXERCISES 1100Z TO 2000Z DAILY
 08 AND 13 THRU 15 OCT IN AREA BOUND BY
 24-00.00S 046-24.00W, 24-10.00S 046-21.00W,
 24-10.00S 046-32.00W, 24-03.33S 046-32.00W.
 2. CANCEL THIS MSG 152100Z OCT. (070112Z OCT 2009)
- 1936/09(24). BRAZIL-NORTH COAST.
 1. SEISMIC SURVEY IN PROGRESS UNTIL 08 OCT BY
 M/V DISCOVERER TOWING 5.4 MILE LONG CABLE
 IN AREA BOUND BY
 00-01S 046-30W, 00-10S 046-18W,
 04-20N 041-03W, 04-32N 041-18W.
 SEVEN MILE BERTH REQUESTED.
 2. CANCEL THIS MSG 09 OCT. (070125Z OCT 2009)
- 1937/09(24). BRAZIL. RADIO SERVICES.
 BRAZIL WEATHER FACSIMILE INOPERATIVE. (071219Z OCT 2009)
- 1938/09 thru 1942/09. CANCELED.
- 1943/09(24). BRAZIL-SOUTH COAST. GUNNERY.
 1. GUNNERY EXERCISES 131100Z TO 132300Z
 WITHIN TEN MILES OF 29-50S 049-31W.
 2. CANCEL THIS MSG 140001Z OCT. (080507Z OCT 2009)
- 1944/09(24). BRAZIL-NORTHEAST COAST. ROCKETS.
 1. HAZARDOUS OPERATIONS 0001Z TO 2359Z
 DAILY 13 THRU 28 OCT IN AREAS BOUND BY:
 A. 05-53.93S 035-09.08W, 05-54.70S 034-57.25W,
 06-01.93S 034-54.58W, 05-56.57S 035-08.87W,
 B. 05-54.70S 034-57.25W, 05-55.25S 034-48.77W,
 06-03.02S 034-51.68W, 06-01.93S 034-54.58W.
 2. CANCEL THIS MSG 292359Z OCT. (080508Z OCT 2009)
- 1945/09(38). GREENLAND-WEST COAST.
 15 FOOT VESSEL, WHITE HULL, TWO PERSONS ON BOARD,
 OVERDUE AASIAAT (68-43N 052-52W) AND RETURN.
 VESSELS IN VICINITY REQUESTED TO KEEP
 A SHARP LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO ANY COASTAL RADIO STATION. (080509Z OCT 2009)
- 1946/09. CANCELED.
- 1947/09(GEN). EUROPE-NORTHWEST COAST.
 1. LORAN-C STATION VAERLANDET, RATES 9007-Y
 AND 7499-Y, OFF AIR 090800Z TO 090900Z OCT.
 2. CANCEL THIS MSG 091000Z OCT. (080653Z OCT 2009)
- 1948/09. CANCELED.
- 1949/09(37). ENGLAND-SOUTH COAST. NAVTEX.
 1. NAVTEX STATION NITON UNRELIABLE.
 2. CANCEL HYDROLANT 1930/09. (080728Z OCT 2009)
- 1950/09(37). NORTH SEA.
 SEISMIC SURVEY IN PROGRESS UNTIL FURTHER
 NOTICE BY M/V NORTHERN GENESIS TOWING
 8500 METER LONG CABLE IN AREA BOUND BY
 55-38N 002-46E, 55-54N 001-44E,
 56-07N 001-46E, 55-50N 003-27E.
 WIDE BERTH REQUESTED. (080849Z OCT 2009)

SECTION III

NM 42/09

NAVAREA XII

Messages in force 081500Z October 2009:

2009 series	430(GEN)	448(19)	453(18,83)	458(21)
407(GEN)	433(16,96)	451(GEN)	454(18)	459(21)
426(GEN)	434(21)	452(GEN)	457(21)	

The summary of all NAVAREA XII messages in force as of 18 December 2008 is given in Section III of NM 52/08. Warnings issued during the subsequent quarters are issued in NM 13/09, 26/09 and 39/09.

NAVAREA XII WARNINGS issued from 011100Z to 081500Z October 2009.

449/09 and 450/09. CANCELED.

451/09(GEN).

1. NAVAREA XII MESSAGES IN FORCE 030800Z OCT 2009. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2009 SERIES: 407(GEN), 426(GEN), 430(GEN), 433(16,96), 434(21), 441(18), 448(19).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 18 DEC 08 IS GIVEN IN SEC III OF NM 52/08. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/09, 26/09 AND 39/09.
3. CANCEL NAVAREA XII 157/09, 351/09, 439/09, 440/09, 445/09.

(032120Z OCT 2009)

452/09(GEN). GPS SATELLITE SYSTEM.

1. PRN 31 UNUSABLE 080830Z TO 082300Z OCT.
2. CANCEL THIS MSG 090001Z OCT.

(040126Z OCT 2009)

453/09(18,83). EASTERN NORTH PACIFIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1808Z TO 1952Z DAILY 08 THRU 13 OCT IN AREAS BOUND BY:
 - A. 34-26N 120-40W, 34-27N 120-48W, 34-46N 120-41W, 34-44N 120-34W.
 - B. 34-08N 120-58W, 34-28N 120-51W, 34-24N 120-35W, 34-04N 120-42W.
 - C. 30-57N 121-58W, 31-50N 121-42W, 31-45N 121-20W, 30-52N 121-36W.
 - D. 07-58N 127-37W, 13-28N 126-26W, 13-15N 125-28W, 07-46N 126-40W.
2. CANCEL THIS MSG 132052Z OCT.

(040525Z OCT 2009)

454/09(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 IN AREA BOUND BY 34-02N 119-04W, 33-52N 119-06W, 33-29N 118-37W, 33-20N 118-37W, 32-11N 120-16W, 31-54N 121-35W, 35-09N 123-39W, 35-29N 123-00W, 35-57N 121-32W, 34-04N 119-04W.
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 441/09.

(040947Z OCT 2009)

455/09 and 456/09. CANCELED.

457/09(21). MEXICO-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 11 THRU 21 OCT IN AREA BETWEEN 24-28.7N 24-27.4N AND 111-47.1W 111-48.3W.
2. CANCEL THIS MSG 22 OCT.

(060804Z OCT 2009)

458/09(21). MEXICO-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 11 THRU 21 OCT
IN AREA BOUND BY
17-47N 102-00W, 17-53N 102-00W,
17-46N 101-49W, 17-42N 101-53W.
2. CANCEL THIS MSG 22 OCT.

(060817Z OCT 2009)

459/09(21). GOLFO DE CALIFORNIA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 11 THRU 21 OCT
IN AREA BOUND BY
27-05N 110-28W, 27-11N 110-28W,
27-11N 110-17W, 27-06N 110-17W.
2. CANCEL THIS MSG 22 OCT.

(060827Z OCT 2009)

460/09 and 461/09. CANCELED.

SECTION III

NM 42/09

HYDROPACS

Messages in force 081500Z October 2009:

2007 series	2511(62)	1593(63)	1728(81)	1785(22)	1814(61)
475(92)	2009 series	1597(63)	1735(97)	1786(22)	1816(93,94)
1284(71)	12(62)	1601(21,22)	1737(94)	1787(71)	1817(62)
2008 series	401(63)	1613(61)	1738(94)	1789(63)	1818(62)
44(GEN)	424(74)	1622(81)	1751(18,19)	1790(63)	1819(22)
195(62)	554(62)	1624(22)	1758(94)	1792(63)	1820(97)
427(74)	561(73,74)	1625(GEN)	1759(95)	1793(22)	1821(95)
529(91)	833(74)	1627(72)	1760(95)	1794(83)	1822(95)
606(63)	889(97)	1642(63)	1761(95)	1795(GEN)	1823(95)
835(62)	1001(74)	1653(97)	1762(95)	1796(73,82)	1824(95)
1334(71)	1033(74)	1655(62)	1764(61)	1798(19,97)	1825(95)
1345(92)	1128(22)	1657(81)	1765(71)	1800(94)	1827(93)
1497(71)	1239(96)	1660(63)	1768(22)	1801(93)	1829(22)
1831(62)	1269(74)	1669(73)	1771(93)	1803(83)	1831(19,83)
1933(22)	1369(62)	1678(96)	1774(61)	1806(63)	1832(93)
2043(62)	1478(96)	1684(GEN)	1776(96)	1807(94)	
2079(71)	1505(74)	1690(61)	1777(96)	1808(83)	
2241(62)	1510(63)	1696(GEN)	1780(22)	1809(95)	
2286(74)	1527(61)	1705(57,61)	1781(GEN)	1810(74)	
2507(73,82)	1574(22,83)	1711(16,96)	1782(96)	1813(23,29)	

The summary of all HYDROPACS in force as of 18 December 2008 is given in Section III of NM 52/08. Warnings issued during the subsequent quarters are issued in NM 13/09, 26/09 and 39/09.

HYDROPAC WARNINGS issued from 011100Z to 081500Z October 2009.

1766/09 and 1767/09. CANCELED.

1768/09(22). CHILE. HAZARDOUS OPERATIONS.
 1. HAZARDOUS OPERATIONS 1300Z TO 2200Z DAILY
 06 THRU 08 AND 091300Z TO 092300Z OCT
 IN AREA BETWEEN
 36-15.0S 36-25.0S AND 073-26.0W 073-13.5W.
 2. CANCEL THIS MSG 092359Z OCT.

(020337Z OCT 2009)

1769/09 and 1770/09. CANCELED.

1771/09(93). SOUTH CHINA SEA.
 1. CABLE REPAIR OPERATIONS IN PROGRESS
 UNTIL 08 OCT BY CABLESHIP ASEAN RESTORER
 VICINITY OF TRACKLINE JOINING
 04-02.0N 104-32.0E, 04-01.0N 104-31.5E,
 03-39.0N 104-38.5E, 04-00.0N 104-38.0E.
 2. CANCEL THIS MSG 09 OCT.

(020554Z OCT 2009)

1772/09 and 1773/09. CANCELED.

1774/09(61). WESTERN INDIAN OCEAN. PIRACY.
 F/V REPORTS COMING UNDER ATTACK IN 02-34-36.5S 048-24-36.0E
 AT 020345Z OCT. THE AREA INVOLVED SHOULD BE AVOIDED
 IF POSSIBLE. THIS AREA WILL REMAIN HIGH RISK FOR
 AT LEAST 24-48 HOURS. CAUTION ADVISED.

(021232Z OCT 2009)

1775/09. CANCELED.

1776/09(96). SAKHALIN-NORTHEAST COAST.
 NGA CHART 96340 (4TH ED).
 PILTUN LIGHT 52-51.0N 143-18.5E UNLIT.

(021952Z OCT 2009)

1777/09(96). SEA OF OKHOTSK. MISSILES.
 1. HAZARDOUS OPERATIONS 1900Z TO 0500Z COMMENCING
 DAILY 07 THRU 09 OCT IN AREAS BOUND BY:
 A. 47-35.0N 150-20.0E, 48-10.0N 150-35.0E,
 48-10.0N 151-14.5E, 47-35.0N 150-50.0E.
 B. 48-00.0N 151-00.0E, 48-15.7N 151-01.9E,
 48-27.4N 151-12.8E, 51-30.2N 153-57.0E,

- 52-02.3N 154-05.6E, 55-15.7N 154-08.5E,
 55-51.8N 154-39.1E, 56-26.2N 155-31.9E,
 56-31.2N 155-52.2E, 55-13.0N 155-30.9E,
 55-07.0N 155-24.1E, 51-30.0N 155-15.0E,
 48-17.5N 151-34.0E, 48-06.5N 151-21.1E.
 2. CANCEL THIS MSG 100600Z OCT.

(030543Z OCT 2009)

1778/09 and 1779/09. CANCELED.

- 1780/09(22). SOUTH PACIFIC. ECUADOR.
 F/V SANTA CLARITA, BLUE HULL WITH WHITE STRIPE,
 FOUR PERSONS ON BOARD, UNREPORTED. LAST KNOWN
 POSITION VICINITY 04-08S 081-59W. VESSELS IN
 VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
 ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL
 RADIO STATION.

(030652Z OCT 2009)

1781/09(GEN).

1. HYDROPAC MESSAGES IN FORCE 030800Z OCT 2009. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
 2009 SERIES: 1505(74), 1510(63), 1527(61), 1572(73,74),
 1574(22,83), 1585(93), 1593(63), 1597(63), 1601(21,22), 1613(61),
 1622(81), 1624(22), 1625(GEN), 1627(72), 1642(63), 1653(97),
 1655(62), 1657(81), 1660(63), 1669(73), 1678(96), 1684(GEN),
 1690(61), 1696(GEN), 1705(57,61), 1711(16,96), 1728(81), 1732(62),
 1733(94), 1735(97), 1737(94), 1738(94), 1741(63), 1742(63),
 1743(94), 1751(18,19), 1757(GEN), 1758(94), 1759(95), 1760(95),
 1761(95), 1762(95), 1763(63), 1764(61), 1765(71), 1767(22),
 1768(22), 1769(22), 1770(22), 1771(93), 1772(95), 1774(61),
 1775(93), 1776(96), 1777(96), 1778(97), 1779(81), 1780(22).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 18 DEC 08 IS GIVEN IN SEC III OF NM 52/08. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/09, 26/09 AND 39/09.
3. CANCEL HYDROPAC 1465/09, 1558/09, 1567/09, 1665/09, 1697/09, 1710/09, 1730/09, 1731/09, 1740/09, 1753/09, 1755/09.

(030922Z OCT 2009)

1782/09(96). SEA OF OKHOTSK. MISSILES.

1. HAZARDOUS OPERATIONS 0300Z TO 0900Z
 DAILY 06 THRU 09 OCT
 A. IN AREA BOUND BY
 47-36.0N 151-21.0E, 47-41.5N 151-17.0E,
 48-06.0N 151-40.0E, 47-52.0N 151-58.0E.
 B. WITHIN 27 MILES OF 52-49.0N 146-17.0E.
 C. WITHIN 27.5 MILES OF 57-09.0N 140-33.0E.
2. CANCEL THIS MESSAGE 091000Z OCT.

(030947Z OCT 2009)

1783/09 and 1784/09. CANCELED.

1785/09(22). CHILE. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 081200Z TO 082100Z OCT
 IN AREA BOUND BY
 53-33-39S 070-37-54W, 53-33-47S 070-32-30W,
 53-44-24S 070-44-45W, 53-42-07S 070-50-51W.
2. CANCEL THIS MSG 082200Z OCT.

(031114Z OCT 2009)

1786/09(22). CHILE. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 081200Z TO 082100Z OCT
 IN AREA BOUND BY
 53-33-39S 070-37-54W, 53-30-46S 070-37-59W,
 53-30-48S 070-28-10W, 53-33-47S 070-27-54W.
2. CANCEL THIS MSG 082200Z OCT.

(031135Z OCT 2009)

1787/09(71). SOUTH CHINA SEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 18 OCT
 BY M/V ORIENT EXPLORER TOWING FOUR
 THREE MILE LONG CABLES IN AREA BOUND BY
 06-10N 106-55E, 06-15N 107-10E,
 06-05N 107-15E, 06-00N 107-00E.
2. CANCEL THIS MSG 19 OCT.

(031145Z OCT 2009)

1788/09. CANCELED.

SECTION III

NM 42/09

- 1789/09(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 090900Z TO 091200Z AND
091230Z TO 091430Z OCT IN AREA BOUND BY
09-57.5N 075-59.5E, 09-57.7N 076-14.2E,
09-44.0N 076-17.5E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 091530Z OCT. (031732Z OCT 2009)
- 1790/09(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 2330Z TO 1800Z COMMENCING
DAILY 08 THRU 10 OCT:
A. IN AREA BOUND BY 19-14.36N 084-53.42E,
19-37.05N 085-27.85E, 18-46.05N 085-22.52E.
B. WITHIN 42 MILES OF TRACKLINE BETWEEN
19-37.05N 085-27.85E AND 18-46.05N 085-22.52E.
2. CANCEL THIS MSG 111900Z OCT. (031743Z OCT 2009)
- 1791/09. CANCELED.
- 1792/09(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0230Z TO 0930Z DAILY
01 THRU 07 AND 15 THRU 21 OCT WITHIN
FIVE MILES OF 14-01.0N 074-19.5E.
2. CANCEL THIS MSG 211030Z OCT. (031755Z OCT 2009)
- 1793/09(22). SOUTH PACIFIC. GALAPAGOS.
DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN
02-40.6S 094-06.0W. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO U.S. COAST GUARD ALAMEDA,
TELEX: 230172343, PHONE: 510 437 3701,
E-MAIL: RCCALAMEDA@USCG.MIL. (032230Z OCT 2009)
- 1794/09(83). SOUTH PACIFIC.
1. CABLE REPAIR OPERATIONS 04 THRU 16 OCT
BY CABLESHIP ILE DE RE IN AREA BOUND BY
16-50.53S 176-04.21E, 16-46.87S 176-17.19E,
17-08.52S 176-22.21E, 17-11.42S 176-09.07E.
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 17 OCT. (032334Z OCT 2009)
- 1795/09(GEN). GPS SATELLITE SYSTEM.
1. PRN 31 UNUSABLE 080830Z TO 082300Z OCT.
2. CANCEL THIS MSG 090001Z OCT. (040132Z OCT 2009)
- 1796/09(73,82). BISMARCK SEA.
DISTRESS SIGNAL RECEIVED ON 406 MHZ VICINITY
02-39.0S 144-29.5E AT 031508Z OCT. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,
PHONE: 6 126 230 6811, FAX 6 126 230 6868,
E-MAIL: RCCAUS@AMSA.GOV.AU. (040734Z OCT 2009)
- 1797/09. CANCELED.
- 1798/09(19,97). WESTERN NORTH PACIFIC.
1. CABLE LAYING OPERATIONS 05 THRU 27 OCT, ALTERNATE
28 THRU 30 OCT BY M/V KDD PACIFIC LINK
VICINITY OF TRACKLINE JOINING
43-17.1N 172-56.3E, 42-23.4N 168-52.9E,
42-47.4N 167-12.9E, 41-03.2N 160-15.9E,
41-17.0N 159-18.7E, 35-33.8N 145-19.9E,
35-26.2N 143-53.8E.
2. CANCEL HYDROPAC 1743/09(94), OPERATIONS COMPLETED.
3. CANCEL THIS MSG 31 OCT. (040941Z OCT 2009)
- 1799/09. CANCELED.
- 1800/09(94). TAIWAN-EAST COAST. GUNNERY.
1. GUNNERY EXERCISES 2300Z TO 0900Z COMMENCING
DAILY 04 THRU 08 OCT WITHIN 31 MILES OF
23-26.5N 122-21.5E.
2. CANCEL THIS MSG 091000Z OCT. (041408Z OCT 2009)

- 1801/09(93). SOUTH CHINA SEA.
DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM
M/V GASCHEM BEN FLOR IN 18-14N 116-43E
AT 041557Z OCT. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO MRCC HONG KONG,
TELEX: 8 028 2952, PHONE: 8 522 233 7999.
(041747Z OCT 2009)
- 1802/09. CANCELED.
- 1803/09(83). SOUTH PACIFIC.
VESSEL VAIEA, WHITE HULL, TWO PERSONS ON BOARD,
UNREPORTED MOOREA (17-31S 149-49W) TO
RAIATEA (16-49S 151-25W). VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO MRCC PAPEETE,
INMARSAT-C: 582422799192, PHONE: 68 946 5316,
FAX: 68 942 3915, E-MAIL: MRCCPAPEETE@MAIL.PF.
(050515Z OCT 2009)
- 1804/09 and 1805/09. CANCELED.
- 1806/09(63). INDIA-WEST COAST. ROCKETS.
1. HAZARDOUS OPERATIONS 100430Z TO 100630Z OCT:
A. WITHIN FIVE MILES OF 08-31.98N 076-52.05E
BETWEEN 190 DEGREES AND 300 DEGREES.
B. WITHIN 75 MILES OF 08-31.98N 076-52.05E
BETWEEN 220 DEGREES AND 260 DEGREES.
2. CANCEL HYDROPAC 1779/09(81), PORTS REOPENED.
3. CANCEL THIS MSG 100730Z OCT.
(051221Z OCT 2009)
- 1807/09(94). TAIWAN STRAIT.
1. DERELICT VESSEL PATRIOT, BLUE HULL, ADRIFT IN
24-29.4N 118-44.7E AT 050035Z OCT. REPORTS TO
SINGAPORE PORT OPERATIONS CONTROL CENTER.
TELEX: 20021, PHONE: 656 226 5539,
FAX: 656 227 9971, E-MAIL: POCC@MPA.GOV.SG.
2. CANCEL THIS MSG 090500Z OCT.
(051708Z OCT 2009)
- 1808/09(83). SOUTH PACIFIC.
1. DISTRESS SIGNAL RECEIVED FROM LIFERAFT,
ONE PERSON ON BOARD, IN 18-04.5S 157-23.9W.
VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS
TO MRCC PAPEETE, INMARSAT-C: 582422799192,
PHONE: 68 946 5316, FAX: 68 942 3915,
E-MAIL: MRCCPAPEETE@MAIL.PF.
2. CANCEL HYDROPAC 1804/09.
(052049Z OCT 2009)
- 1809/09(95). YELLOW SEA. GUNNERY.
1. GUNNERY EXERCISES 2330Z TO 0800Z
COMMENCING DAILY 09 AND 10 OCT
IN AREA BOUND BY
36-35-00N 125-36-00E, 36-35-00N 124-50-00E,
37-06-00N 124-50-00E, 37-10-10N 125-36-00E.
2. CANCEL THIS MSG 110900Z OCT.
(061154Z OCT 2009)
- 1810/09(74). AUSTRALIA-NORTHWEST COAST.
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V GEOWAVE VOYAGER TOWING FOUR MILE LONG CABLE
IN AREA BETWEEN 11-49S 14-21S AND 121-04E 123-44E.
SIX MILE BERTH REQUESTED.
(061158Z OCT 2009)
- 1811/09 and 1812/09. CANCELED.
- 1813/09(23,29). SOUTH ATLANTIC. ICE.
1. ICEBERGS REPORTED ON 05 OCT:
A. C18A, 57-57S 042-47W.
B. C19D, 54-19S 043-44W.
C. B15L, 60-31S 035-33W.
D. C8, 60-27S 043-35W.
E. UK284, 60-30S 043-08W.
2. CANCEL THIS MSG 091600Z OCT.
(061614Z OCT 2009)

SECTION III

NM 42/09

- 1814/09(61). WESTERN INDIAN OCEAN. PIRACY.
PIRACY ATTACK REPORTED IN 01-47.2S 056-07.1E AT 041900Z OCT.
WINDS IN THE AREA ARE FIVE TO TEN KNOTS WHICH IS
CONDUCTIVE TO SMALL BOAT OPERATIONS. THIS HAS BEEN
ESTABLISHED AS A TEMPORARY HIGH RISK AREA. VESSELS
PASSING WITHIN 100 MILES ARE ADVISED TO EXERCISE
EXTREME CAUTION. PLEASE REPORT ANY SUSPICIOUS
ACTIVITY TO IMB PIRACY REPORTING CENTER,
UKMTO DUBAI, MARLO BAHRAIN OR MSC HOA.
(061715Z OCT 2009)
- 1815/09. CANCELED.
- 1816/09(93,94). TAIWAN STRAIT.
1. DERELICT 200 METER VESSEL ADRIFT
VICINITY 22-57.6N 117-00.0E AT
061810Z OCT.
2. CANCEL THIS MSG 092140Z OCT.
(062139Z OCT 2009)
- 1817/09(62). GULF OF SUEZ.
1. SEISMIC SURVEY IN PROGRESS UNTIL 11 NOV BY
M/V PULL DOG, M/V TRINITY SECRE, M/V OCEAN IMAGE,
M/V GEO TIGER I, M/V OMNI ANDRA AND
M/V MERMAID DISCOVERY IN AREA BOUND BY
28-43.73N 033-13.24E, 28-47.60N 033-04.14E,
28-35.19N 032-55.23E, 28-31.79N 033-16.10E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 12 NOV.
(070440Z OCT 2009)
- 1818/09(62). RED SEA. GULF OF SUEZ.
SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY M/V EGS EXPLORER VICINITY OF TRACKLINE BETWEEN
27-22.73N 034-43.00E AND 29-04.66N 032-42.40E.
WIDE BERTH REQUESTED.
(070727Z OCT 2009)
- 1819/09(22). CHILE. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 1400Z TO 1900Z DAILY
07 THRU 09 OCT IN AREA BETWEEN
33-40S 33-45S AND 072-00W 072-06W.
2. CANCEL THIS MSG 092000Z OCT.
(071115Z OCT 2009)
- 1820/09(97). WESTERN NORTH PACIFIC. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 082000Z TO 090400Z OCT
WITHIN SIX MILES OF 36-21-52N 147-12-41E.
2. CANCEL THIS MSG 090500Z OCT.
(071231Z OCT 2009)
- 1821/09(95). YELLOW SEA. GUNNERY.
1. GUNNERY EXERCISES 0001Z TO 1200Z
DAILY 12 AND 13 OCT IN AREA BETWEEN
35-35N 36-00N AND 125-00E 125-30E.
2. CANCEL THIS MSG 131300Z OCT.
(071831Z OCT 2009)
- 1822/09(95). SEA OF JAPAN. GUNNERY.
1. GUNNERY EXERCISES 0001Z TO 0800Z DAILY
12 THRU 16 OCT IN AREA BOUND BY
38-08N 129-51E, 38-08N 130-10E,
37-39N 130-10E, 37-42N 129-51E.
2. CANCEL THIS MSG 160900Z OCT.
(071832Z OCT 2009)
- 1823/09(95). YELLOW SEA. GUNNERY.
1. GUNNERY EXERCISES 0001Z TO 0800Z DAILY
12 THRU 16 OCT IN AREA BOUND BY
36-35-00N 125-36-00E, 36-35-00N 124-50-00E,
37-06-00N 124-50-00E, 37-10-10N 125-36-00E.
2. CANCEL THIS MSG 160900Z OCT.
(071833Z OCT 2009)
- 1824/09(95). YELLOW SEA. GUNNERY.
1. GUNNERY EXERCISES 0001Z TO 0800Z DAILY
12 THRU 16 OCT IN AREA BETWEEN
34-50N 35-15N AND 124-50E 125-42E.
2. CANCEL THIS MSG 160900Z OCT.
(071834Z OCT 2009)

1825/09(95). YELLOW SEA. GUNNERY.

1. GUNNERY EXERCISES 0001Z TO 0800Z DAILY
12 THRU 16 OCT IN AREA BETWEEN
36-05N 36-35N AND 124-50E 125-42E.
2. CANCEL THIS MSG 160900Z OCT.

(080005Z OCT 2009)

1826/09. CANCELED.

1827/09(93). SOUTH CHINA SEA.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 16-25N 112-37E
AT 071414Z OCT. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC HONG KONG, TELEX: 80282952,
PHONE: 8 522 233 7999.

(080454Z OCT 2009)

1828/09. CANCELED.

1829/09(22). CHILE. RADIO SERVICES.

PUNTA DELGADA RADIO MF DSC OFF AIR.
MAGALLANES RADIO ASSUMES CONTROL.

(080506Z OCT 2009)

1830/09. CANCELED.

1831/09(19,83). EASTERN NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN
19-18.1N 144-40.7W AT 071914Z OCT.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO JRCC HONOLULU, TELEX: 392401,
PHONE: 808 535 3333, FAX: 808 535 3338,
E-MAIL: JRCCHONOLULU@USCG.MIL.

(080540Z OCT 2009)

1832/09(93). SOUTH CHINA SEA.

1. SEISMIC SURVEY 09 OCT THRU 04 NOV BY
M/V RAMFORM EXPLORER TOWING 6000 METER
LONG CABLE IN AREA BOUND BY
04-11-12N 104-01-58E, 04-03-15N 104-37-08E,
03-53-41N 104-34-57E, 04-01-04N 103-59-38E.
2. CANCEL HYDROPAC 1585/09.
3. CANCEL THIS MSG 05 NOV.

(080831Z OCT 2009)

1833/09. CANCELED.

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 NGA Maritime Safety Web site (<http://www.nga.mil/maritime>), by referring to Section I (paragraph 50) of US Notice to Mariners 1/09 for those in-force as of 3 January 2009, or by contacting the Maritime Administration, Office of Security, Code MAR-420, Room W23-312, 1200 New Jersey Avenue S.E., Washington DC 20590, Telephone (202) 366-1883, FAX (202) 366-3954, Cell (202) 641-5071.

MARAD ADVISORIES in force 8 October 2009: 00-7, 05-1, 06-1, 07-1, 08-1 and 09-7.

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 NGA Maritime Safety Web site (<http://www.nga.mil/maritime>) or by referring to Section I (paragraph 5) of US Notice to Mariners 1/09 for those in-force as of 3 January 2009.

SPECIAL WARNINGS in force 8 October 2009: 1, 29, 77, 81, 82, 89, 92, 107, 108, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123 and 124.

MARINE INFORMATION**NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY**

NOAA recognizes two paper nautical chart products:

- the Print-on-Demand (POD) chart distributed by OceanGrafix (www.OceanGrafix.com), and
- the traditional NOAA/NOS paper chart distributed by the Federal Aviation Administration and the National Geospatial-Intelligence Agency (NGA).

The Print-on-Demand chart is available the day after NOAA clears a New Edition for release. The traditional chart is available two to eight weeks later. Each is official, should be put into service immediately, and meets Federal chart carriage requirements immediately upon its release. Each should be updated from the dates shown in the lower left corner of the chart. For questions, contact NOAA at help@nauticalcharts.gov or call 301-713-1968 x105. Dates of Latest Edition for both charts are listed at <http://nauticalcharts.noaa.gov>.

This week's new editions released by NOAA are listed below (These NOAA charts are now available in both the Print-on Demand and digital raster formats. See <http://www.charts.noaa.gov/MCD/Dole.shtml> for details.):

11369	47 th Ed. Sep 2009 NEW EDITION GULF COAST-LOUISIANA-LAKES PONTCHARTRAIN AND MAUREPAS (New edition due to numerous Notice to Mariner changes.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C
11460	42 nd Ed. Sep 2009 NEW EDITION EAST AND GULF COASTS-FLORIDA-CAPE CANAVERAL TO KEY WEST (New edition due to numerous Notice to Mariner and hydrographic changes.)	NAD 83	(NOS Silver Spring, MD) 1:466,940/LORAN-C
11481	7 th Ed. Sep 2009 NEW EDITION EAST COAST-FLORIDA-APPROACHES TO PORT CANAVERAL (New edition due to numerous Notice to Mariner and hydrographic changes.)	NAD 83	(NOS Silver Spring, MD) 1:25,000
18650	56 th Ed. Sep 2009 NEW EDITION WEST COAST-CALIFORNIA-SAN FRANCISCO BAY-CANDLESTICK POINT TO ANGEL ISLAND (New edition due to numerous Notice to Mariner changes.)	NAD 83	(NOS Silver Spring, MD) 1:20,000

NGA CHART NEW EDITIONS AND THEIR AVAILABILITY

NGA recognizes two paper nautical chart products:

- the Enterprise Product on Demand-Maritime (ePOD-M) chart, and
- the traditional NGA paper chart distributed by the Defense Logistics Agency and the Federal Aviation Administration.

The Enterprise Product on Demand-Maritime (ePOD-M) chart is available the day after NGA clears a New Edition for release and is available to Department of Defense (DoD) customers and other authorized U.S. Government users. The traditional paper chart is available six to eight weeks later. Each is official, should be put into service immediately, and meets Federal chart carriage requirements immediately upon its release. Each should be updated from the dates shown in the lower left corner of the chart. For questions, contact NGA at mcdepod@nga.mil.

This week's new editions released by NGA are listed below. These NGA charts are now available for download in the ePOD-M format (large PDF print file) at the following websites:

- NIPRNet: <https://www.geointel.nga.mil/products/dnc/epods/index.htm>
- SIPRNet: <https://www.geoint.nga.smil.mil/products/dnc1/epods/index.htm>

44015	9 th Ed. Oct. 3, 2009 NEW EDITION BALTIC SEA-EASTERN PART (Correct through NM 40/09).	WGS-84	(NGA Bethesda, MD) 1:700,000
44444	7 th Ed. Oct. 3, 2009 NEW EDITION APPROACHES TO VENTSPILS (Correct through NM 40/09).	WGS-84	(NGA Bethesda, MD) 1:25,000 Limited Distribution

NEW EDITION OF COAST PILOT

U.S. Coast Pilot 4, Atlantic Coast: Cape Henry, Virginia to Key West, Florida, Forty-first Edition, 2009, is ready for issue and may be obtained from:

Federal Aviation Administration
National Aeronautical Charting Office
Distribution Division, AJW-3550
10201 Good Luck Road
Glen Dale, MD 20769-9700

and authorized sales agents of the National Ocean Service. Price \$30.00.

The 2009 Edition cancels the preceding 2008 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 Geospatial-Intelligence Agency Notice to Mariners, and on the Internet at <http://nauticalcharts.noaa.gov/nsd/cpdownload.htm> are serially numbered (i.e., Change No. 1, Change No. 2, etc.) to assist you in tracking the changes.

AREAS TO BE AVOIDED (OCEAN CLIMATE STATION MOORINGS) IN THE NORTH PACIFIC OCEAN

The National Oceanic and Atmospheric Administration (NOAA) maintains two ocean climate station research moorings anchored in the following positions with light characteristics:

32-18.6N 144-32.4E Fl(5) Y 20s "KEO"

50-08.0N 144-50.0W Fl(5) Y 20s "PAPA"

OCS buoys are 2.5 meter yellow discus buoys with radar reflectors and amber lights. The moorings have watch circles of radius 4 NM (KEO) and 2 NM (PAPA).

Mariners are advised to give the mooring anchor position a 5 NM wide berth.

AREAS TO BE AVOIDED (ATLAS MOORINGS) IN THE EQUATORIAL PACIFIC OCEAN

The National Oceanic and Atmospheric Administration (NOAA) maintains an array of buoys called Autonomous Temperature Line Acquisition System (ATLAS) in the Equatorial Pacific Ocean.

The ATLAS buoys (yellow 2 meter toroid buoys with radar reflector) which make up the array are located in the following positions:

Pacific Ocean:

- 4 57.9N 94 58.7W
- 7 13.5N 88 43.3W
- 0 00.2S 94 59.1W
- 2 01.6S 95 10.9W
- 5 04.1S 95 04.0W

7 59.6S 95 15.5W
 8 03.2N 110 08.6W
 5 02.5N 109 59.5W
 2 01.1N 110 04.2W
 0 03.3N 109 54.6W
 2 00.5S 110 05.8W
 4 58.7S 110 01.2W
 7 59.8S 110 03.9W
 8 02.1N 125 00.2W
 5 05.1N 124 52.1W
 1 58.0N 125 03.8W
 0 08.8S 124 25.3W
 2 01.5S 124 54.6W
 5 00.5S 124 56.3W
 7 59.3S 124 59.1W
 8 59.7N 140 15.1W
 4 59.2N 139 58.0W
 1 58.8N 140 02.0W
 0 00.8S 139 51.7W
 2 02.8S 140 01.1W
 5 00.3S 139 55.1W
 7 58.9N 154 59.3W
 5 01.0N 154 56.8W
 1 58.9N 154 57.3W
 0 00.5N 154 58.7W
 1 58.6S 154 59.9W
 4 59.8S 154 59.8W
 8 24.8S 158 51.6W
 7 59.8N 170 02.1W
 4 59.8N 169 58.7W
 2 00.8N 170 02.0W
 0 02.6S 170 04.0W
 2 08.9S 170 04.6W
 4 59.8S 170 01.3W
 7 58.6S 170 01.3W
 7 59.2N 179 51.7W
 4 59.7N 179 54.8W
 2 01.0N 179 49.4W
 4 22.7S 170 19.0E
 1 59.7S 179 53.8W
 4 57.9S 179 54.4W
 7 59.0S 179 51.6W
 8 02.3N 165 07.1E
 5 00.4N 165 00.8E
 1 59.3N 165 00.4E
 0 01.6N 165 01.4E
 2 00.4S 165 00.1E
 4 59.5S 165 09.5E
 8 02.6S 164 47.5E

**AREAS TO BE AVOIDED (ATLAS MOORINGS) IN THE
EQUATORIAL ATLANTIC AND INDIAN OCEANS**

The National Oceanic and Atmospheric Administration (NOAA) maintains an array of buoys called Autonomous Temperature Line Acquisition System (ATLAS) in the Equatorial Atlantic and Indian Oceans. The buoy array in the Atlantic is referred to as "Pirata", while the Indian Ocean array is known as "Rama".

The ATLAS buoys (orange and white bands, 2 meter toroid buoys) which make up the array are located in the following positions:

Atlantic Ocean:

0 03.0N 0 00.6W
 0 00.6N 9 52.2W
 6 00.6S 10 01.2W
 9 55.2S 9 58.2W
 20 26.4N 23 09.0W
 11 30.6N 23 00.6W
 4 04.8N 23 00.0W
 0 01.2S 23 00.0W
 7 54.6S 30 32.4W
 13 32.4S 32 34.8W
 18 51.6S 34 39.0W
 0 01.2N 34 59.4W
 20 01.2N 37 52.8W
 14 59.4N 38 00.6W
 11 29.4N 38 01.8W
 7 56.4N 38 01.8W
 4 05.4N 37 58.8W

Indian Ocean:

15 00.0N 90 01.2E
 11 56.4N 89 54.6E
 8 01.2N 89 00.6E
 3 58.8N 89 35.4E
 1 34.2N 90 05.4E
 0 01.2N 89 49.8E
 1 34.8N 80 28.2E
 0 04.8N 80 31.8E
 1 31.2S 80 29.4E
 3 59.4S 80 31.2E
 7 52.7S 80 21.7E
 7 59.5S 80 28.0E
 4 00.6S 67 13.2E New site - deployed Sep 2009
 8 02.4S 66 59.6E
 8 05.2S 66 56.9E
 12 11.4S 67 12.6E New site - deployed Sep 2009
 7 54.0S 55 06.0E
 12 03.0S 54 58.8E

Mariners are advised to give all mooring positions a 5 NM wide berth.

NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY’S IMPLEMENTATION OF A HARDCOPY TO DIGITAL TRANSITION STRATEGY

Since the mid-1990’s, the National Geospatial-Intelligence Agency (NGA) has been working to improve digital navigation product support for the US Navy and other US Government users. The US Navy is transitioning to digital navigation, thus reducing the need for NGA to continue production of hardcopy charts. Therefore, NGA has begun a gradual transition from hardcopy chart production to a digital data maintenance environment. This notice is to advise mariners, chart agents, and other users of this strategy.

During the gradual transition from hardcopy charts to digital charts, NGA will continue to make certain hardcopy charts available only to US Government-approved entities, in accordance with US law or international agreement. These particular charts will be identified as “bilateral charts,” since they are the product of international bilateral agreements and are duplicates of foreign copyright charts. Each bilateral chart will carry an NGA chart number, a National Stock Number (NSN), a bar code, and will show the number of any existing NGA chart that it replaces only when the chart is a one-for-one replacement. For those charts that are not a one-for-one replacement, no canceled chart number will appear. In the case where more than one

new chart is being introduced to replace a single NGA chart, the existing chart will not be canceled until all new replacement charts have been announced in the Notice to Mariners.

Bilateral charts are the result of NGA international agreements and are duplicates of foreign copyrighted charts. The charts are printed in English, use metric units, refer to WGS-84 datum and are marked as "Distribution Limited." However, certain bilateral charts have not yet been converted to WGS-84 datum, and are of sufficiently large scale (generally larger than 1:50,000) where the difference from WGS-84 datum is noticeable. These exception charts are printed with datum shift values, which must be applied in order to plot GPS-derived positions correctly. The exception charts are scheduled for eventual conversion to WGS-84 datum; until this occurs, their chart numbers will appear bold-faced in the announcement list below.

Bilateral charts will contain references to host nation charts and publications, and may use symbology not yet found in US Chart No. 1. In most cases, NGA will not attempt to change these references to the equivalent US charts, publications or symbology. However, it should be noted that relevant maritime information referenced in a foreign publication can also usually be found within Sailing Directions, Notice to Mariners No. 1 (Special Paragraphs), List of Lights, Radio Navigational Aids, or Chart No. 1. Updates to Sailing Directions and other electronic publications can be made through the application of digital patch files (PDU files), available for download from the NGA Maritime Safety Web site.

As the US Navy completes its transition to digital navigation, the use of bilateral charts will be gradually phased out. Until then, Section II of the Notice to Mariners, NGA/DLIS Catalog Corrections, will contain information about specific bilateral charts being announced as well as cancellation of any existing charts that they replace. Update information for bilateral charts will appear in Section I of the Notice to Mariners, Chart Corrections. Standard chart policy remains intact, in that NGA charts are not to be placed in service until their announcement appears in the US Notice to Mariners.

NGA has begun adopting bilateral charts in waters of Australia, Canada, and the UK, with additional countries to follow. What this further means is that NGA no longer provides certain hardcopy charts (i.e., those replaced by bilateral charts) for public sale. To obtain these hardcopy charts, civilian users will be required to purchase bilateral chart equivalents from their producer nations and their agents. Contact information for purchasing Australian, Canadian, and UK charts is listed below:

Australian Hydrographic Service Web site: <http://www.hydro.gov.au>

Australian Distribution Network: <http://www.hydro.gov.au/prodserv/distributors/distributors.htm>

Canadian Hydrographic Service Web site: <http://notmar.com/charts/index.php>

Canadian Sales Agents: <http://www.chs-shc.dfo-mpo.gc.ca/chs/en/Dealers/locate.htm>

UK Hydrographic Office Web site: <http://www.ukho.gov.uk>

UK Sales Agents: http://www.ukho.gov.uk/list_of_agents.html

NGA standard (non-bilateral) charts and NOS charts can still be purchased from the FAA, National Aeronautical Charting Office. The following Web site can be used to search for FAA sales agents by geographic region:

United States NOAA/FAA Sales Agents: http://www.naco.faa.gov/agents_acc.asp

NGA issues this notice weekly. It will also appear in the "See What's New" section of the Maritime Safety Web site (<http://www.nga.mil/maritime>); however, the following list of announced bilateral charts will only appear in the Notice to Mariners.

NGA bilateral Australian, Canadian, and UK charts announced to date:

<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NTM</i>	<i>Later Edition</i>
14002	14ACO14000	Can. 4023	23/04	
14005	14ACO14001	Can. 4012	23/04	
14009	14ACO14004	Can. 4015	23/04	
14009	14ACO14006	Can. 4016	23/04	
14009	14ACO14011	Can. 4047	23/04	
14009	14ACO14012	Can. 4002	29/04	

14009	14ACO14013	Can. 4013	29/04	
14009	14ACO14015	Can. 4045	29/04	
14014	14ACO14013	Can. 4013	29/04	
14040	14ACO14016	Can. 4010	29/04	
14041	14XHA14019	Can. 4011	29/04	
14042	14XHA14020	Can. 4396	1/05	
14043	14AHA14021	Can. 4116	8/05	42/08
14044	14AHA14022	Can. 4117	14/05	
14046	14BHA14023	Can. 4140	14/05	
14062	14XCO14025	Can. 4118	43/04	
14062	14XCO14026	Can. 4243	12/05	
14065	14BHA14027	Can. 4245	12/05	
14066	14XCO14026	Can. 4243	12/05	
14066	14XHA14028	Can. 4230	14/05	
14066	14XHA14029	Can. 4241	14/05	
14066	14XHA14030	Can. 4242	33/05	
14066	14XHA14031	Can. 4210	33/05	
14067	14XHA14029	Can. 4241	14/05	
14067	14XHA14032	Can. 4209	47/05	
14068	14XHA14032	Can. 4209	47/05	
14083	14AHA14036	Can. 4320	45/05	34/07
14085	14AHA14037	Can. 4328	45/05	
14087	14AHA14039	Can. 4385	46/05	
14088	14AHA14047	Can. 4201	46/05	
14089	14AHA14048	Can. 4202	39/06	
14090	14AHA14049	Can. 4237	6/05	
14091	14AHA14050	Can. 4203	48/06	
14093	14AHA14051	Can. 4236	25/07	
14100	14XHA14052	Can. 4235	25/07	
14100	14XHA14053	Can. 4234	25/07	
14105	14AHA14054	Can. 4321	22/07	
14115	14XCO14058	Can. 4227	29/04	
14121	14XHA14059	Can. 4374	23/07	
14123	14XHA14060	Can. 4375	23/07	
14125	14AHA14064	Can. 4376	22/07	
14133	14XHA14072	Can. 4278	23/07	
14134	14XHA14073	Can. 4279	23/07	
14136	14AHA14075	Can. 4266	25/07	
14141	14AHA14076	Can. 4462	22/07	
14144	14XHA14143	Can. 4950	38/03	11/08
14145	14AHA14077	Can. 4448	22/07	
14146	14XHA14078	Can. 4404	25/07	
14151	14XHA14079	Can. 4403	23/07	
14156	14BHA14080	Can. 4419	22/07	
14190	14ACO14096	Can. 4905	6/09	
14203	14XHA14195	Can. 1431	42/03	11/08
14222	14XHA14211	Can. 1312	40/03	5/08
14253	14ACO14004	Can. 4015	23/04	
14340	14ACO14334	Can. 4016	9/09	
14349	14AHA14339	Can. 4622	10/09	
14364	14AHA14359	Can. 4846	25/09	
14366	14AHA14359	Can. 4846	25/09	
14812	14XHA14809	Can. 2085	6/09	
15011	15ACO15002	Can. 7050	16/08	
15017	15ACO15003	Can. 5450	33/07	
15041	15ACO15007	Can. 4731	41/08	
15061	15ACO15014	Can. 4732	42/08	

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15070	15BHA15024	Can. 5143	6/09	
15080	15BHA15027	Can. 5023	46/07	
15120	15ACO15030	Can. 4775	31/07	
15160	15ACO15032	Can. 5300	34/08	
15312	15ACO15035	Can. 5400	6/09	
17008	17ACO17007	Can. 3002	40/08	
17412	17XHA17410	Can. 3890	40/08	
17413	17ACO17411	Can. 3802	42/08	
17414	17BCO17415	Can. 3854	42/08	
17416	17BCO17417	Can. 3853	41/08	
17441	17BHA17442	Can. 3927	12/07	
17441	17BHA17447	Can. 3746	25/07	
17444	17XHA17448	Can. 3955	32/08	
17465	17XHA17451	Can. 3742	41/08	
17486	17XCO17458	Can. 3727	13/09	
17495	17ACO17493	Can. 3605	6/07	
17513	17XHA17497	Can. 3539	8/05	1/08
17515	17XHA17496	Can. 3513	6/09	
17518	17BHA17499	Can. 3463	31/07	
17519	17BHA17500	Can. 3526	23/07	
17543	17ACO17501	Can. 3604	1/08	
17548	17BCO17511	Can. 3671	31/07	
17550	17ACO17514	Can. 3602	24/07	
18401	18BHA18404	Can. 3459	42/08	
18405	18BHA18426	Can. 3493	25/07	
18406	18BHA18435	Can. 3481	23/07	
18407	18BHA18436	Can. 3494	12/07	
18408	18BHA18437	Can. 3495	42/08	
18413	18BHA18442	Can. 3442	31/07	
18414	18XHA18451	Can. 3478	31/07	
18415	18BHA18461	Can. 3441	24/07	
18416	18AHA18462	Can. 3440	24/07	
18418	18AHA18466	Can. 3419	24/07	
18420	18BHA18467	Can. 3479	12/07	16/08
18475	18XHA18472	Can. 3685	43/08	
35009	35ACO35002	UK 266	19/04	3/07
35009	35ACO35003	UK 268	19/04	3/07
35009	35ACO35004	UK 273	19/04	4/07
35009	35ACO35005	UK 278	23/04	4/07
35009	35ACO35006	UK 1191	24/04	8/06
35009	35ACO35010	UK 1192	28/04	12/06
35009	35ACO35013	UK 1409	23/04	49/04
35009	35ACO35014	UK 1407	23/04	33/09
35016	35ACO35015	UK 2635	26/06	10/08
35022	35ACO35017	UK 1128	16/08	32/08
35023	35ACO35018	UK 1129	37/07	
35031	35ACO35019	UK 1127	4/06	6/08
35032	35ACO35020	UK 1125	7/07	
35036	35ACO35024	UK1123	3/07	20/07
35040	35ACO35006	UK 1191	24/04	8/06
35060	35ACO35010	UK 1192	28/04	
35080	35ACO35014	UK 1407	23/04	33/09
35081	35BHA35035	UK 734	28/04	52/08
35082	35BHA35037	UK 735	31/04	52/08
35084	35BHA35045	UK 1481	32/04	12/06
35086	35BHA35048	UK 736	32/04	4/09
35088	35BHA35050	UK 190	28/04	12/06

35100	35ACO35013	UK 1409	23/04	49/04
35101	35BHA35052	UK 223	33/04	
35120	35ACO35055	UK 115	23/04	10/08
35130	35ACO35056	UK 1942	12/06	
35135	35ACO35057	UK 2249	27/07	
35136	35ACO35058	UK 2250	27/07	
35141	35ACO35059	UK 2162	21/07	33/09
35144	35XCO35062	UK 2584	27/07	49/08
35150	35ACO35063	UK 1119	27/07	
35155	35ACO35064	UK 1234	27/07	
35159	35ACO35065	UK 3271	30/07	
35160	35ACO35066	UK 1233	27/07	
35163	35ACO35067	UK 3272	27/07	
35166	35ACO35068	UK 3283	27/07	
35169	35ACO35071	UK 3281	29/07	
35170	35ACO35072	UK 3282	30/07	
35200	35ACO35001	UK 1954	28/04	33/09
35205	35ACO35073	UK 2720	27/07	6/08
35210	35ACO35074	UK 1785	27/07	6/08
35220	35ACO35075	UK 2721	37/07	6/08
35230	35ACO35078	UK 1794	24/07	10/08
35236	35AHA35079	UK 2207	28/07	22/09
35237	35AHA35089	UK 2208	30/07	
35239	35AHA35090	UK 2210	28/07	
35243	35BHA35091	UK 3146	37/07	6/08
35246	35ACO35092	UK 1795	21/07	6/08
35247	35AHA35093	UK 1796	28/07	52/08
35248	35BHA35094	UK 2209	38/07	
35250	35BHA35095	UK 2540	29/07	7/08
35255	35AHA35096	UK 2171	30/07	
35256	35AHA35097	UK 2390	24/07	
35260	35ACO35104	UK 2722	27/07	7/08
35265	35ACO35106	UK 1778	27/07	33/09
35270	35AHA35109	UK 2169	29/07	
35272	35ACO35110	UK 1770	12/07	
35277	35BHA35113	UK 2326	22/06	7/08
35278	35BHA35114	UK 2343	4/06	
35279	35BHA35115	UK 2397	29/06	
35295	35BHA35116	UK 2481	22/06	
35296	35BHA35117	UK 2396	25/06	
35298	35BHA35118	UK 2168	7/07	33/09
35299	35ACO35119	UK 2724	26/06	5/07
35300	35ACO35121	UK 2723	18/06	
35302	35ACO35123	UK 2798	46/05	
35307	35ACO35126	UK 2199	5/06	
35308	35ACO35127	UK 2198	25/06	
35310	35ACO35128	UK 2725	27/06	
35350	35ACO35131	UK 2173	12/07	
35380	35ACO35138	UK 2254	30/06	
35390	35ACO35139	UK 2423	22/06	
35400	35ACO35140	UK 2424	5/06	
35420	35ACO35147	UK 2049	18/06	
35421	35AHA35148	UK 1777	46/05	
35423	35AHA35149	UK 1773	46/05	
35424	35AHA35151	UK 1765	46/05	
35011	35XCO35172	UK 219	8/08	33/09
36010	36ACO36000	UK 1121	26/06	

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36015	36ACO36001	UK 2649	47/05	
36040	36ACO36002	UK 1410	47/05	
36060	36ACO36006	UK 1141	12/07	
36061	36BHA36007	UK 1468	20/07	
36062	36BHA36008	UK 1415	4/06	
36063	36BHA36009	UK 1447	12/07	
36081	36BHA36011	UK 1753	7/07	
36098	36AHA36012	UK 2221	47/05	
36103	36BHA36014	UK 2126	9/07	
36104	36BHA36016	UK 2220	6/07	
36106	36BHA36017	UK 2131	47/05	
36108	36BHA36018	UK 2000	4/06	
36110	36BHA36019	UK 2007	8/06	
36115	36BHA36020	UK 1994	3/07	
36116	36AHA36021	UK 1867	23/05	
36117	36BHA36022	UK 1907	11/07	
36118	36BHA36023	UK 2383	25/06	
36119	36BHA36024	UK 2491	4/06	
36120	36ACO36025	UK 1826	13/07	
36127	36BHA36030	UK 3746	32/06	
36128	36BHA36030	UK 3746	32/06	
36137	36AHA36032	UK 1478	39/04	
36138	36AHA36033	UK 3275	39/04	9/05
36139	36BHA36034	UK 3274	39/04	33/09
36140	36ACO36035	UK 1178	39/04	33/09
36141	36BHA36036	UK 2878	41/04	9/05
36161	36BHA36039	UK 1152	52/04	
36162	36BHA36041	UK 1182	1/05	
36163	36BHA36042	UK 1176	1/05	
36165	36BHA36044	UK 1165	17/05	52/06
36180	36ACO36049	UK 2565	27/05	33/09
37043	37AHA37003	UK 1267	15/06	
37044	37AHA37004	UK 30	25/05	10/08
37045	37AHA37006	UK 1901	25/05	20/07
37046	37AHA37007	UK 1613	34/05	18/06
37047	37XHA37008	UK 1902	25/05	27/08
37060	36ACO36050	UK 442	25/05	
37075	37ACO37015	UK 2454	25/08	
37079	37AHA37016	UK 2625	32/05	4/06
37081	37AHA37017	UK 2045	32/05	4/06
37083	37AHA37019	UK 2037	25/05	38/08
37084	37AHA37020	UK 2036	5/06	38/08
37086	37AHA37021	UK 2631	31/05	16/08
37087	37BHA37091	UK 2038	26/08	
37119	37AHA37027	UK 1698	8/06	
37122	37AHA37028	UK 1828	19/05	
37133	37AHA37030	UK 1834	28/04	21/06
37134	37BHA37031	UK 1835	34/04	5/07
37136	37AHA37035	UK 1186	34/04	19/05
37137	37AHA37036	UK 2151	34/04	5/07
37138	37AHA37037	UK 3337	34/04	17/06
37138	37BHA37038	UK 2484	34/04	26/08
37139	37BHA37039	UK 1606	36/04	34/09
37141	37AHA37040	UK 1607	9/05	22/09
37145	37AHA37051	UK 1185	37/04	52/08
37147	37BHA37052	UK 1975	36/04	7/08
37148	37BHA37053	UK 2052	43/04	7/08

37149	37BHA37054	UK 1491	37/04	
37150	37ACO37055	UK 1504	37/04	17/05
37161	37BHA37056	UK 1543	37/04	17/06
37170	37ACO37057	UK 1503	38/04	8/08
37175	37ACO37058	UK 1187	38/04	8/08
37180	37ACO37059	UK 1190	38/04	10/05
37182	37AHA37062	UK 109	38/04	33/09
37183	37BHA37066	UK 1188	6/05	22/09
37184	37BHA37067	UK 3497	10/05	21/08
74071	74BHA74072	Aus. 615	35/07	
74071	74BHA74073	Aus. 616	35/07	
74071	74BHA74074	Aus. 617	35/07	
74141	74XHA74142	Aus. 618	35/07	
74141	74XHA74143	Aus. 610	35/07	
74151	74AHA74154	Aus. 809	12/07	
74152	74BHA74150	Aus. 208	8/07	
74153	74BHA74155	Aus. 207	8/07	
74162	74BCO74163	Aus. 811	13/07	
74162	74BCO74164	Aus. 810	13/07	
74183	74AHA74180	Aus. 237	9/07	
74186	74AHA74189	Aus. 238	47/05	
74192	74BHA74213	Aus. 818	9/07	
74201	74BHA74199	Aus. 246	8/07	
74202	74BHA74208	Aus. 247	13/07	
74204	74BHA74209	Aus. 819	14/07	
74206	74AHA74212	Aus. 244	15/07	
74210	74BCO74245	Aus. 820	13/07	
74221	74BCO74227	Aus. 821	11/07	
74229	74BHA74226	Aus. 250	13/07	
74229	74BCO74246	Aus. 824	16/08	
74229	74BCO74247	Aus. 249	16/08	
74231	74BHA74226	Aus. 250	13/07	
74232	74BHA74216	Aus. 256	10/07	
74234	74BHA74237	Aus. 257	11/07	22/09
74253	74BCO74262	Aus. 830	13/07	
74271	74BCO74275	Aus. 833	18/07	
74271	74BCO74277	Aus. 280	35/07	
74272	74BHA74267	Aus. 834	13/07	
74287	74BHA74279	Aus. 289	52/06	
74293	74ACO74311	Aus. 839	12/06	
74294	74BCO74300	Aus 292	47/05	
74294	74ACO74311	Aus. 839	12/06	
74310	74BCO74395	Aus. 302	18/07	
74320	74BCO74313	Aus. 303	18/07	
74330	74BCO74387	Aus. 304	52/06	
74340	74BCO74384	Aus. 305	35/07	
74350	74BCO74383	Aus. 306	35/07	43/08
74391	74BHA74390	Aus. 720	35/07	
74391	74BHA74396	Aus. 721	35/07	
74393	74BHA74397	Aus. 26	47/06	
74394	74BHA74397	Aus. 26	47/06	
74415	74ACO74416	Aus. 726	35/07	
74430	74ACO74431	Aus. 315	22/08	48/08
74450	74ACO74451	Aus. 319	34/07	48/08
74521	75AHA75147	Aus. 744	19/06	
74555	74ACO74593	Aus. 334	34/07	
74581	74AHA74585	Aus. 112	18/07	

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75010	75ACO75111	Aus. 341	36/07	
75010	75ACO75114	Aus. 342	36/07	
75110	75ACO75111	Aus. 341	36/07	
75120	75ACO75114	Aus. 342	36/07	
75132	75BHA75137	Aus. 137	19/06	42/08
75144	75BHA75146	Aus. 344	47/05	
75171	75AHA75165	Aus. 143	21/06	20/08
75171	75AHA75174	Aus. 158	18/06	
75173	75AHA75174	Aus. 158	18/06	
75175	75AHA75178	Aus. 154	18/06	25/08
75261	75AHA75274	Aus. 808	11/07	
75264	75AHA75269	Aus. 201	12/07	
75264	75AHA75267	Aus. 202	48/06	
75265	75AHA75266	Aus. 197	17/07	

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 NGA to update our records and obtain additional or later information.

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

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

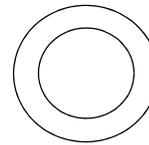
Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, 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, NGA 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 our Bathymetric Database. 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).



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ST D44
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**



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ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address _____

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

Is hazard remotely monitored? Yes _____ No _____

If yes, list Internet URL where most recent position will be posted (if any): _____

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

Date of Insertion _____ Latitude _____ Longitude _____

Date of Expected Removal _____

Most Recent Observation: Date _____ Time (Local) _____

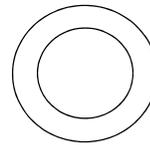
Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Sounding sensor or method used _____

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

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

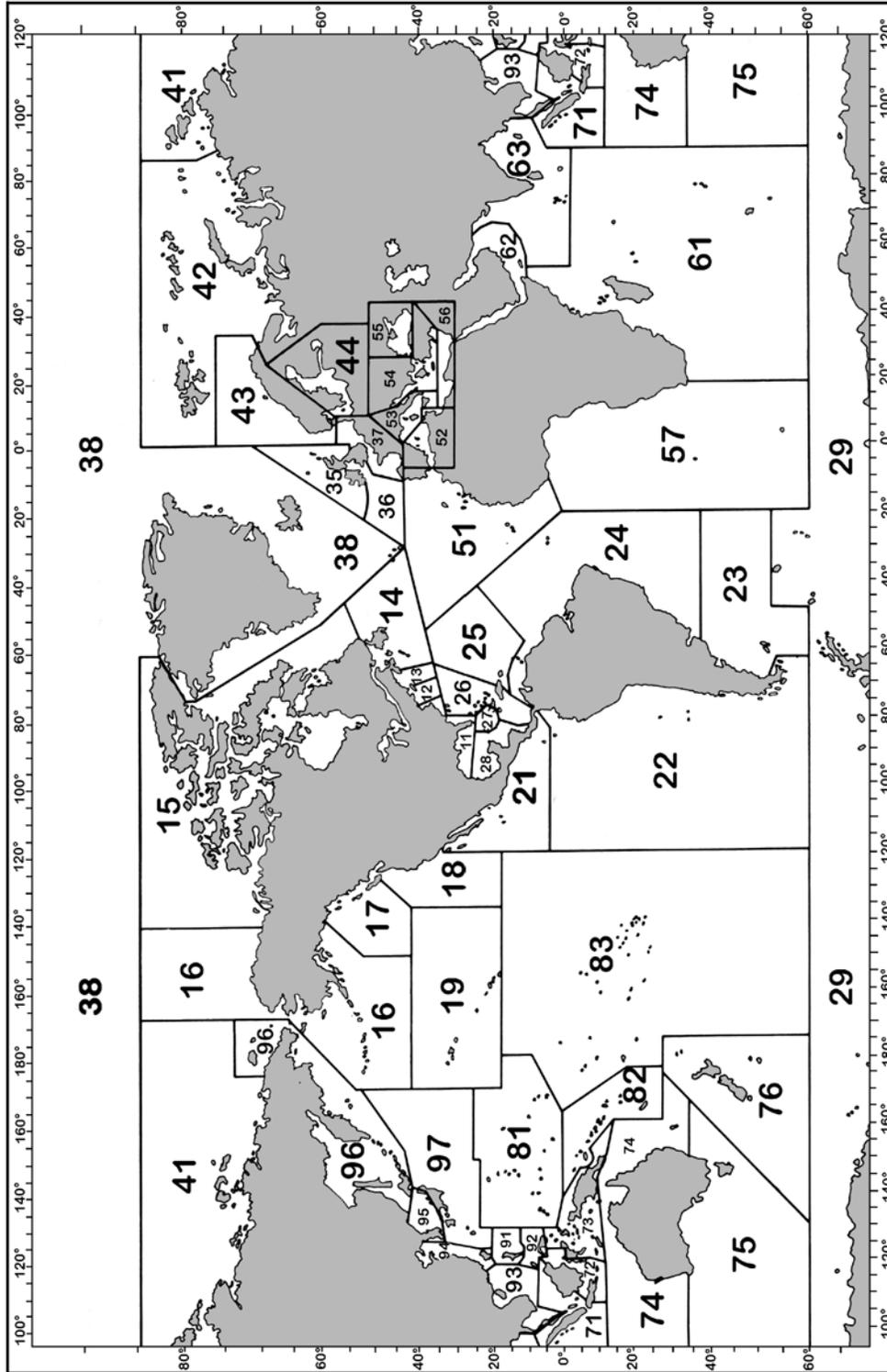


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**MARITIME DIVISION
ST D44
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**

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 NGA/DLIS Catalog of Maps Charts and Related Products. 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.

IMPORTANT
NAVIGATIONAL INFORMATION
TIME—DATED



**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY