No. 45

6 NOVEMBER 2010

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

Contents

Section I

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

Section II

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

Section III

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

Visit the Maritime Safety Web site at http://www.nga.mil/NGAPortal/MSI.portal

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:

Name	Telephone	DSN	FAX
Maritime Domain	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/NGAPortal/MSI.portal**. For your convenience NGA provides four e-mail addresses. For information affecting Notice to Mariners use MCDNtM@nga.mil, for information affecting Sailing Directions and all other navigational publications use MCDPubs@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.

Cover Photo: NOAA Ship FAIRWEATHER (S220) is a hydrographic survey ship built by Aerojet-General Shipyards, Jacksonville, FL and originally commissioned in October, 1968. Deactivated in 1989, she was brought back in to service after being refitted at the Cascade General Shipyard in Portland, Oregon in 2004. She is named for Mt. Fairweather, at 15,300 feet above sea level, the highest peak in the Fairweather Range and the tallest coastal range on earth. **FAIRWEATHER** is designed and outfitted primarily for conducting hydrographic surveys in support of nautical charting, but is capable of many other missions in support of NOAA programs. The ship is equipped with the latest in hydrographic survey technology - multi-beam survey systems; high-speed, high-resolution side-scan sonar; position and orientation systems, hydrographic survey launches, and an on-board data-processing server. Increased mission space and deck machinery enable **FAIRWEATHER** to be tasked with anything from buoy operations to fisheries research cruises. She is 231 feet in length, has a beam of 42 feet, a draft of 15.5 feet, displaces 1,800 tons, has a range of 6,000 nautical miles at 12 knots and can operate at sea for 22 days. **NOAA Ship FAIRWEATHER** is manned by 11 commissioned officers, 4 licensed engineers, 30 crew and up to 5 scientists. Her homeport is Ketchikan, AK, the salmon capital of the world.

INFORMATION OF SPECIAL INTEREST OR IMPORTANCE TO MARINERS

HYDROGRAM

National Geospatial-Intelligence Agency
Bethesda, MD 20816-5003

SPECIAL ANNOUNCEMENTS
NEW PRODUCTS OR SERVICES
IMPORTANT CHANGES

NM 45/10

6 November 2010

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 SAILING DIRECTIONS

PUB. 140, SAILING DIRECTIONS (PLANNING GUIDE) NORTH ATLANTIC OCEAN AND ADJACENT SEAS, NINTH EDITION, 2010, IS AVAILABLE AT THE MARITIME SAFETY WEB SITE. THIS EDITION IS PRODUCED BY NGA IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND III.

NGA DIGITAL NAUTICAL PUBLICATIONS-QUARTERLY UPDATE

THE DIGITAL NAUTICAL PUBLICATIONS-QUARTERLY UPDATE, THIRD QUARTER 2010, IS READY FOR ISSUE. THE DIGITAL NAUTICAL PUBLICATIONS-QUARTERLY UPDATE IS A LIMITED DISTRIBUTION PRODUCT AND IS PRODUCED BY NGA IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND III.

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

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

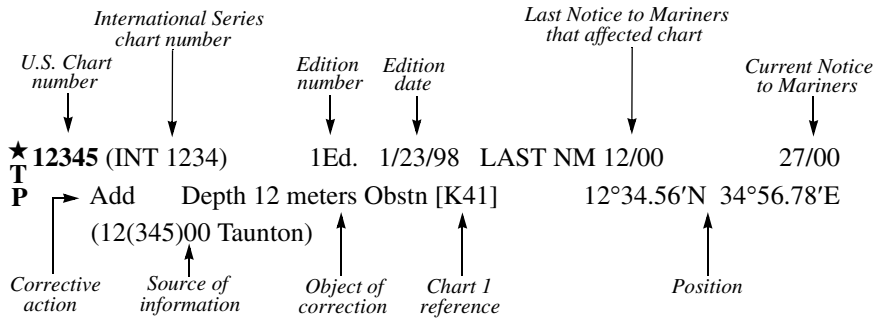
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY'S IMPLEMENTATION OF A HARDCOPY TO DIGITAL TRANSITION STRATEGY

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.

50 (INT 50) 6Ed. 6/03 LAST NM 40/10 45/10
(Continuation)
Delete Position circle "R Bn" 52°50′N 173°11′E
(41/10 CG17)

200 (INT 200) 3Ed. 5/25/96 LAST NM 36/10 45/10
Add Wreck [K29] (PA) 46°35′S 57°02′W
(4(35)04 Buenos Aires)

211 5Ed. 1/13/96 LAST NM 36/10 45/10
Add Wreck [K29] (PA) 46°35′S 57°02′W
(4(35)04 Buenos Aires)

513 (INT 813) 7Ed. 6/04 LAST NM 7/10 45/10
Delete Position circle "R Bn" 52°50′N 173°11′E
Legend "LORAN TR" 52°43′N 173°18′E
(40, 41/10 CG17)

530 32Ed. 6/07 LAST NM 40/10 45/10
Delete Position circle "R Bn" 52°50′N 173°11′E
(41/10 CG17)

11009 38Ed. 12/06 LAST NM 41/10 45/10
Add Buoy "AR250" Y (Priv) 34°57.0′N 75°55.0′W
Buoy "AR255" Y (Priv) 34°55.5′N 75°58.0′W
Buoy "AR300" Y (Priv) 34°19.0′N 76°24.5′W
Buoy "AR305" Y (Priv) 34°16.5′N 76°38.5′W
Buoy "AR366" Y (Priv) 34°13.0′N 77°25.1′W
Buoy "AR368" Y (Priv) 34°09.5′N 77°25.8′W
Buoy "AR386" Y (Priv) 33°57.5′N 77°33.3′W
(32/10 CG5)

★11441 41Ed. 9/06 LAST NM 41/10 45/10
Delete Buoy "KW" 24°27′26″N 81°48′55″W
(See 41/10-11441)

Add Buoy "KW" RW, ball topmark, Mo(A)
WHISTLE 24°27′26″N 81°47′55″W
(41/10 CG7)

11442 35Ed. 1/08 LAST NM 41/10 45/10
Delete Buoy "KW" 24°27′26″N 81°48′55″W
(See 41/10-11442)

Add Buoy "KW" RW, ball topmark, Mo(A)
WHISTLE 24°27′26″N 81°47′55″W
(41/10 CG7)

11446 32Ed. 10/06 LAST NM 41/10 45/10
Delete Buoy "KW" 24°27′26″N 81°48′55″W
(See 41/10-11446)
(41/10 CG7)

★11478 22Ed. 7/10 LAST NM 35/10 45/10
Change Legend to "18 FT MAY 2010" 28°24′33.5″N 80°37′05.3″W
(NOS)

11481 7Ed. 9/09 LAST NM 34/10 45/10
Change Legend to "18 FT MAY 2010" 28°24′33.5″N 80°37′05.3″W
(See 20/10-11481)
(NOS)

11493 10Ed. 10/10/09 LAST NM N32/10 N45/10
Add Tabulation of controlling depths from
Subsection I-2
(Supersedes N32/10-11493)
(NOS)

11494 9Ed. 11/28/09 LAST NM N32/10 N45/10
Change Legend to "Maintained depth 41 ½ FT (Jul
2010)" 30°42′27.0″N 81°26′33.2″W

Legend to "Maintained depth 42 FT (Jul 2010)"
30°42′35.5″N 81°26′29.5″W

Add Tabulation of controlling depths from
Subsection I-2
(See N32/10-11494)
(NOS)

★11503 42Ed. 1/07 LAST NM 32/10 45/10
Change Legend to "41 ½ FT Jul 2010" 30°42′27.6″N 81°26′19.2″W
Legend to "42 FT Jul 2010" 30°42′36.1″N 81°26′18.8″W

Add Tabulation of controlling depths from
Subsection I-2
(Supersedes 32/10-11503)
(NOS)

11518 37Ed. 1/10 LAST NM 35/10 45/10
(Side A)
Delete Range light, rear 32°47′01.8″N 79°54′22.2″W

Change Characteristic of range light, front to Fl G 2.5s
32°46′55.2″N 79°54′11.8″W

Add Range light, rear Iso G 6s 45ft 32°47′02.0″N 79°54′25.3″W

Dashed line between 32°46′55.2″N 79°54′11.8″W
32°47′02.0″N 79°54′25.3″W

Note: range bearing unchanged
(41/10 CG7)

★11520 43Ed. 10/08 LAST NM 40/10 45/10
Add Buoy "AR250" Y (Priv) 34°57.0′N 75°55.0′W
Buoy "AR255" Y (Priv) 34°55.5′N 75°58.0′W
Buoy "AR285" Y (Priv) 34°33.9′N 76°25.5′W
Buoy "AR300" Y (Priv) 34°19.0′N 76°24.5′W
Buoy "AR305" Y (Priv) 34°16.5′N 76°38.5′W
Buoy "AR315" Y (Priv) 34°40.0′N 76°45.0′W
Buoy "AR330" Y (Priv) 34°33.9′N 76°51.3′W
Buoy "AR340" Y (Priv) 34°34.6′N 76°58.6′W
Buoy "AR342" Y (Priv) 34°36.7′N 77°02.3′W
Buoy "AR345" Y (Priv) 34°32.3′N 76°58.5′W
Buoy "AR350" Y (Priv) 34°29.8′N 77°21.4′W
Buoy "AR355" Y (Priv) 34°21.3′N 77°19.9′W
Buoy "AR360" Y (Priv) 34°20.7′N 77°36.2′W
Buoy "AR362" Y (Priv) 34°15.7′N 77°30.4′W
Buoy "AR364" Y (Priv) 34°14.8′N 77°42.9′W
Buoy "AR366" Y (Priv) 34°13.0′N 77°25.1′W
Buoy "AR368" Y (Priv) 34°09.5′N 77°25.8′W
Buoy "AR370" Y (Priv) 34°10.5′N 77°44.5′W
Buoy "AR372" Y (Priv) 34°06.1′N 77°44.8′W
Buoy "AR376" Y (Priv) 34°03.2′N 77°39.6′W
Buoy "AR378" Y (Priv) 34°02.0′N 77°52.0′W
Buoy "AR382" Y (Priv) 33°58.6′N 77°41.2′W
Buoy "AR386" Y (Priv) 33°57.5′N 77°33.3′W
Buoy "AR420" Y (Priv) 33°51.3′N 78°06.5′W
Buoy "AR425" Y (Priv) 33°53.1′N 78°07.4′W
Buoy "AR440" Y (Priv) 33°50.0′N 78°13.0′W
Buoy "AR455" Y (Priv) 33°47.0′N 78°18.0′W
Buoy "AR460" Y (Priv) 33°50.0′N 78°22.0′W
(32/10 CG5)

11521 29Ed. 2/08 LAST NM 37/10 45/10
Delete Range light, rear 32°47′01″N 79°54′22″W

Change Characteristic of range light, front to Fl G 2.5s
32°46′55″N 79°54′12″W

Add Range light, rear Iso G 6s 45ft 32°47′02″N 79°54′25″W

Dashed line between 32°46′55″N 79°54′12″W
32°47′02″N 79°54′25″W

Note: Range bearing unchanged
(41/10 CG7)

★11524 52Ed. 1/10 LAST NM 37/10 45/10
Delete Range light, rear 32°47′00.7″N 79°54′22.2″W

Change Characteristic of range light, front to Fl G 2.5s
32°46′55.2″N 79°54′12.0″W

Add Range light, rear Iso G 6s 45ft 32°47′02.0″N 79°54′25.3″W

Dashed line between 32°46′55.2″N 79°54′12.0″W
32°47′02.0″N 79°54′25.3″W

Note: Range bearing unchanged
(41/10 CG7)

11525 7Ed. 3/4/06 LAST NM N40/10 N45/10
Add Buoy "AR250" Y, pillar (Priv) 34°57.0′N 75°55.0′W
Buoy "AR255" Y, pillar (Priv) 34°55.5′N 75°58.0′W
Buoy "AR285" Y, pillar (Priv) 34°33.9′N 76°25.5′W

(continued on next page)

11525 (Continued)
Buoy "AR300" Y, pillar (Priv) 34°19.0′N 76°24.5′W
Buoy "AR305" Y, pillar (Priv) 34°16.5′N 76°38.5′W
Buoy "AR315" Y, pillar (Priv) 34°40.0′N 76°45.0′W
Buoy "AR330" Y, pillar (Priv) 34°33.9′N 76°51.3′W
Buoy "AR340" Y, pillar (Priv) 34°34.6′N 76°58.6′W
Buoy "AR342" Y, pillar (Priv) 34°36.7′N 77°02.3′W
Buoy "AR345" Y, pillar (Priv) 34°32.3′N 76°58.5′W
Buoy "AR350" Y, pillar (Priv) 34°29.8′N 77°21.4′W
Buoy "AR355" Y, pillar (Priv) 34°21.3′N 77°19.9′W
Buoy "AR360" Y, pillar (Priv) 34°20.7′N 77°36.2′W
Buoy "AR362" Y, pillar (Priv) 34°15.7′N 77°30.4′W
Buoy "AR364" Y, pillar (Priv) 34°14.8′N 77°42.9′W
Buoy "AR366" Y, pillar (Priv) 34°13.0′N 77°25.1′W
Buoy "AR368" Y, pillar (Priv) 34°09.5′N 77°25.8′W
Buoy "AR370" Y, pillar (Priv) 34°10.5′N 77°44.5′W
Buoy "AR372" Y, pillar (Priv) 34°06.1′N 77°44.8′W
Buoy "AR376" Y, pillar (Priv) 34°03.2′N 77°39.6′W
Buoy "AR378" Y, pillar (Priv) 34°02.0′N 77°52.0′W
Buoy "AR382" Y, pillar (Priv) 33°58.6′N 77°41.2′W
Buoy "AR386" Y, pillar (Priv) 33°57.5′N 77°33.3′W
Buoy "AR420" Y, pillar (Priv) 33°51.3′N 78°06.5′W
Buoy "AR425" Y, pillar (Priv) 33°53.1′N 78°07.4′W
Buoy "AR440" Y, pillar (Priv) 33°50.0′N 78°13.0′W
Buoy "AR455" Y, pillar (Priv) 33°47.0′N 78°18.0′W
Buoy "AR460" Y, pillar (Priv) 33°50.0′N 78°22.0′W
Buoy "AR220" Y, pillar (Priv) 35°08.2′N 75°40.5′W
Buoy "AR225" Y, pillar (Priv) 35°06.8′N 75°39.1′W
(32/10 CG5)

11534 36Ed. 8/09 LAST NM 41/10 45/10
(Side A)
Add Buoy "AR425" Y (Priv) 33°53′07″N 78°07′23″W
(32/10 CG5)

11541 39Ed. 3/10 LAST NM 31/10 45/10
(Side B)
Add Buoy "AR350" Y (Priv) 34°29′49″N 77°21′23″W
Buoy "AR360" Y (Priv) 34°20′43″N 77°36′11″W
Buoy "AR364" Y (Priv) 34°14′49″N 77°42′53″W
(32/10 CG5)

★12200 49Ed. 6/07 LAST NM 44/10 45/10
Add Buoy "AR130" Y (Priv) 36°00.3′N 75°32.0′W
Buoy "AR145" Y (Priv) 35°54.0′N 75°23.8′W
Buoy "AR225" Y (Priv) 35°06.8′N 75°39.1′W
Buoy "AR230" Y (Priv) 35°06.3′N 75°43.3′W
(32/10 CG5)

12201 26Ed. 3/11/06 LAST NM N44/10 N45/10
Add Buoy "AR130" Y, pillar (Priv) 36°00.3′N 75°32.0′W
Buoy "AR145" Y, pillar (Priv) 35°54.0′N 75°23.8′W
Buoy "AR225" Y, pillar (Priv) 35°06.8′N 75°39.1′W
Buoy "AR230" Y, pillar (Priv) 35°06.3′N 75°43.3′W
(32/10 CG5)

12204 37Ed. 9/07 LAST NM 31/09 45/10
Add Buoy "AR130" Y (Priv) 36°00′19″N 75°31′59″W
Buoy "AR140" Y (Priv) 35°56′47″N 75°31′59″W
Buoy "AR145" Y (Priv) 35°54′02″N 75°23′47″W
Buoy "AR160" Y (Priv) 35°44′41″N 75°27′19″W
(32/10 CG5)

12205 32Ed. 12/09 LAST NM 27/10 45/10
(Page B)
Add Buoy "AR130" Y (Priv) 36°00′19″N 75°31′59″W
Buoy "AR140" Y (Priv) 35°56′46″N 75°31′59″W

(Page C)
Add Buoy "AR160" Y (Priv) 35°44′41″N 75°27′19″W
(32/10 CG5)

12273 57Ed. 1/08 LAST NM 32/10 45/10
Add Tabulation of controlling depths from Subsection I-2
(Supersedes 32/10-12273)
(NOS)

★12278 76Ed. 12/07 LAST NM 38/10 45/10
Add Tabulation of controlling depths from Subsection I-2
(Supersedes 32/10-12278)
(NOS)

12327 103Ed. 12/09 LAST NM 44/10 45/10
Add Danger circle "Obstns" [K40] 40°38′31″N 74°02′15″W
(NOS)

★12334 70Ed. 6/09 LAST NM 44/10 45/10
Add Depth 18 feet Obstn [K41] 40°38′30.8″N 74°02′14.8″W
Depth 29 feet Obstn [K41] 40°38′31.8″N 74°02′13.5″W
(NOS)

13003 50Ed. 5/10 LAST NM 44/10 45/10
Add Buoy "AR250" Y (Priv) 34°57.0′N 75°55.0′W
Buoy "AR255" Y (Priv) 34°55.5′N 75°58.0′W
(32/10 CG5)

13229 30Ed. 4/08 LAST NM 41/10 45/10
(Page A)
Delete Light 41°37′14″N 70°00′27″W
Light 41°38′04″N 70°00′40″W

(Page F)
Delete Obstruction "Fish Pen" area in vicinity
41°36′31″N 70°48′28″W

Relocate Buoy "NE" from 41°36′45″N 70°48′28″W to
41°36′53″N 70°48′39″W
Buoy "SE" from 41°36′19″N 70°48′10″W to
41°36′38″N 70°48′12″W
Buoy "SW" from 41°36′15″N 70°48′28″W to
41°36′22″N 70°48′23″W
Buoy "NW" from 41°36′40″N 70°48′46″W to
41°36′34″N 70°48′50″W

Add Obstruction "Fish Pen" area [K46.2] bound by dashed line joining
41°36′53″N 70°48′39″W
41°36′38″N 70°48′12″W
41°36′22″N 70°48′23″W
41°36′34″N 70°48′50″W
(31, 41/10 CG1)

13232 5Ed. 11/09 LAST NM 41/10 45/10
Delete Obstruction "Fish Pen" area in vicinity
41°36′31.1″N 70°48′27.8″W

Relocate Buoy "NE" from 41°36′45.0″N 70°48′28.0″W
to 41°36′52.5″N 70°48′38.9″W
Buoy "SE" from 41°36′19.2″N 70°48′09.6″W
to 41°36′37.5″N 70°48′11.8″W
Buoy "SW" from 41°36′14.5″N 70°48′27.7″W
to 41°36′22.3″N 70°48′22.7″W

Buoy "NW" from
41°36′40.2″N 70°48′46.2″W to
41°36′33.7″N 70°48′49.7″W

Add Obstruction "Fish Pen" area [K46.2] bound by dashed line joining
41°36′52.5″N 70°48′38.9″W
41°36′37.5″N 70°48′11.8″W
41°36′22.3″N 70°48′22.7″W
41°36′33.7″N 70°48′49.7″W
(31/10 CG1)

★13237 40Ed. 3/07 LAST NM 42/10 45/10
Delete Light 41°37′14″N 70°00′26″W
Light 41°38′03″N 70°00′39″W
(41/10 CG1)

14786 14Ed. 10/08 LAST NM 30/09 45/10
(Page O-1)
Change Light to Fl R 5s 57ft 11 St M HORN
43°28′24.2″N 76°31′00.1″W
(39/10 CG9)

14800 10Ed. 9/05 LAST NM 24/09 45/10
Change Light (Alt WR 10s) to Fl R 5s 17m 10M HORN 43°28.4′N 76°31.0′W
(39/10 CG9)

14803 27Ed. 1/06 LAST NM 9/06 45/10
Change Light to Fl R 5s 57ft 11 St M HORN
43°28′25″N 76°31′01″W
(39/10 CG9)

★**14813** 21Ed. 11/02 LAST NM 30/08 45/10
Change Light to Fl R 5s 57ft 11 St M HORN
43°28′24.1″N 76°31′00.1″W
(39/10 CG9)

14880 32Ed. 9/05 LAST NM 38/10 45/10
Change Visibility (range) of light to 11 St M
46°00′59″N 83°53′58″W
(42/10 CG9)

★**14881** 33Ed. 5/09 LAST NM 8/10 45/10
Change Visibility (range) of light to 11 St M
46°00′59″N 83°53′59″W

(Inset)
Add Buoy "A" R, QR 45°46′44.0″N 84°43′07.4″W
(41, 42/10 CG9)

★**14882** 35Ed. 9/05 LAST NM 29/08 45/10
Change Visibility (range) of light to 11 St M
46°00′59.5″N 83°53′56.9″W
(42/10 CG9)

14901 15Ed. 8/06 LAST NM 37/10 45/10
Change Light to Fl 2.5s 31ft 12 St M HORN 42°07.0′N 86°29.6′W
(Supersedes 14/10-14901)
(40/10 CG9)

14905 31Ed. 1/07 LAST NM 42/10 45/10
Change Light to Fl 2.5s 31ft 12 St M HORN
42°06′59″N 86°29′40″W
(Supersedes 14/10-14905)
(40/10 CG9)

14908 18Ed. 3/04 LAST NM 32/10 45/10
Delete Buoy "1" 45°46′02″N 87°03′22″W
(41/10 CG9)

★**14915** 25Ed. 4/03 LAST NM 42/10 45/10
Delete Buoy "1" 45°46′00.9″N 87°03′21.5″W
(41/10 CG9)

★**14926** 11Ed. 5/06 LAST NM 42/10 45/10
(Page 12)
Delete Depth 26 feet 41°43′21.5″N 87°30′01.0″W
Depth 26 feet 41°43′21.6″N 87°30′05.7″W
Depth 25 feet 41°43′24.3″N 87°30′06.7″W
Depth 26 feet 41°43′25.5″N 87°30′08.5″W
Depth 26 feet 41°43′27.0″N 87°30′12.1″W
Depth 25 feet 41°43′30.9″N 87°30′19.4″W
Depth 26 feet 41°43′35.0″N 87°30′25.9″W
Depth 26 feet 41°44′11.6″N 87°30′59.4″W
Depth 26 feet 41°44′12.9″N 87°30′55.5″W
Depth 26 feet 41°44′14.5″N 87°30′52.9″W
Depth 23 feet 41°44′16.1″N 87°31′28.0″W

Add Depth 15 feet 41°44′15.0″N 87°31′28.7″W

(Page 25)
Substitute Depth 21 feet for 23 feet 41°43′32.0″N 87°32′25.4″W
Depth 20 feet for 23 feet 41°43′28.7″N 87°32′24.9″W

Change Legend to "22 FEET SEP 2009"
41°43′30.7″N 87°32′28.7″W

Add Depth 21 feet 41°43′34.4″N 87°32′30.6″W
Depth 18 feet 41°43′31.5″N 87°32′24.4″W
Depth 21 feet 41°43′30.8″N 87°32′24.5″W
Depth 9 feet 41°43′22.8″N 87°32′34.0″W

(Page 26)
Change Legend to "24 FEET SEP 2009"
41°40′32.0″N 87°33′03.4″W

Add Depth 15 feet 41°40′36.5″N 87°33′06.2″W
Depth 23 feet 41°40′35.6″N 87°33′05.2″W
Depth 18 feet 41°40′32.7″N 87°32′59.2″W
Depth 23 feet 41°40′31.1″N 87°33′00.3″W
Depth 8 feet 41°40′28.6″N 87°33′05.3″W
Depth 21 feet 41°40′28.0″N 87°33′06.7″W

(Page 27)
Delete Depth 8 feet 41°39′39.9″N 87°34′14.2″W
Depth 23 feet 41°39′36.4″N 87°34′23.4″W
Depth 16 feet 41°39′33.7″N 87°34′21.3″W

Change Legend to "22 FEET SEP 2009"
41°39′39.7″N 87°34′19.6″W

Add Depth 21 feet 41°40′28.0″N 87°33′06.7″W
Depth 12 feet 41°39′40.8″N 87°34′13.5″W
Depth 21 feet 41°39′37.6″N 87°34′16.7″W
Depth 21 feet 41°39′35.1″N 87°34′23.0″W
Depth 12 feet 41°39′34.0″N 87°34′20.3″W
Depth 16 feet 41°39′34.0″N 87°34′23.0″W

(Page 28)
Delete Depth 23 feet 41°39′36.4″N 87°34′23.4″W
Depth 16 feet 41°39′33.7″N 87°34′21.3″W
Depth 23 feet 41°40′04.2″N 87°35′16.4″W

Change Legend to "22 FEET SEP 2009"
41°39′39.6″N 87°34′19.4″W

Add Depth 21 feet 41°39′37.6″N 87°34′16.7″W
Depth 12 feet 41°39′34.0″N 87°34′20.3″W
Depth 21 feet 41°39′35.1″N 87°34′23.0″W
Depth 16 feet 41°39′34.0″N 87°34′23.0″W

(Page 29)
Delete Depth 26 feet 41°43′22″N 87°30′00″W
Depth 25 feet 41°43′26″N 87°30′06″W
Depth 25 feet 41°43′31″N 87°30′18″W
Depth 26 feet 41°43′36″N 87°30′25″W
Depth 26 feet 41°44′13″N 87°30′59″W
Depth 26 feet 41°44′16″N 87°30′51″W
(NOS)

★**14929** 24Ed. 2/03 LAST NM 42/10 45/10
Delete Depth 23 feet 41°44′15.9″N 87°31′28.6″W
Depth 25 feet 41°40′33.9″N 87°33′02.5″W
Depth 23 feet 41°40′05.1″N 87°35′18.2″W
Depth 8 feet 41°39′39.7″N 87°34′15.6″W
Depth 23 feet 41°39′36.8″N 87°34′23.5″W
Depth 16 feet 41°39′33.8″N 87°34′22.0″W

Substitute Depth 18 feet for 23 feet 41°43′31.5″N 87°32′24.4″W

Change Legend to "22 FEET SEP 2009"
41°43′30.5″N 87°32′28.3″W
Legend to "24 FEET SEP 2009"
41°40′32.5″N 87°33′04.0″W
Legend to "22 FEET SEP 2009"
41°39′39.6″N 87°34′20.1″W

Add Depth 15 feet 41°44′15.0″N 87°31′28.7″W
Depth 21 feet 41°43′34.4″N 87°32′30.6″W
Depth 15 feet 41°40′36.5″N 87°33′06.2″W
Depth 23 feet 41°40′35.6″N 87°33′05.2″W
Depth 21 feet 41°39′35.1″N 87°34′23.0″W
(NOS)

★**14930** 25Ed. 1/04 LAST NM 37/10 45/10
Change Light to Fl 2.5s 31ft 12 St M HORN
42°06′58.8″N 86°29′40.6″W
(Supersedes 14/10-14930)
(40/10 CG9)

★**14937** 24Ed. 10/02 LAST NM 42/10 45/10
Delete Light 43°57′16.7″N 86°27′45.2″W
(41/10 CG9)

★**14975** 35Ed. 12/07 LAST NM 32/10 45/10
Add Tabulation of controlling depths from
Subsection I-2
(See 32/10-14975)
(NOS)

16012 22Ed. 3/05 LAST NM 3/10 45/10
Delete Position circle "LORAN TR" 52°50.0′N 173°10.0′E
(40/10 CG17)

★**16322** 8Ed. 3/04 LAST NM 30/08 45/10
Change Height of range light, front to 44ft
58°47′56″N 158°33′16″W
Height of range light, rear to 64ft
58°48′03″N 158°33′18″W
(39/10 CG17)

16420 10Ed. 8/03 LAST NM 11/07 45/10
Delete Position circle "LORAN...Lts" 52°49.7′N 173°10.8′E
Position circle "R Bn" 52°49.9′N 173°10.9′E
(40, 41/10 CG17)

16421 10Ed. 7/12/97 LAST NM 11/07 45/10
Delete Position circle "LORAN...Lts" 52°49.7′N 173°10.8′E
Position circle "R Bn" 52°49.9′N 173°10.9′E
(40, 41/10 CG17)

16423 2Ed. 5/12/01 LAST NM 11/07 45/10
Delete Position circle "LORAN...Lts" 52°49′42″N 173°10′48″E
Position circle "R Bn" 52°49′58″N 173°10′56″E
(40, 41/10 CG17)

★16431 7Ed. 10/03 LAST NM 50/03 45/10
Delete Position circle "R Bn" 52°49′58.4″N 173°10′55.8″E
Position circle "LORAN...LTS" 52°49′44.5″N 173°10′49.5″E
(40, 41/10 CG17)

16432 11Ed. 11/03 LAST NM 3/04 45/10
Delete Position circle "R Bn" 52°49′58.4″N 173°10′55.8″E
Position circle "LORAN...Lts" 52°49′44.5″N 173°10′49.5″E
(40, 41/10 CG17)

16520 23Ed. 8/08 LAST NM 52/09 45/10
Change Characteristic of light to Oc RW 4s 54°07.9′N 165°47.1′E
Note: Sectors remain unchanged
(41/10 CG17)

16531 7Ed. 2/16/02 LAST NM 40/10 45/10
Change Characteristic of light to Oc RW 4s 54°07′55″N 165°47′07″W
Note: Sectors remain unchanged
(41/10 CG17)

★16532 6Ed. 6/17/00 LAST NM 53/05 45/10
Change Characteristic of light to Oc RW 4s 54°07′54.5″N 165°47′06.6″W
Note: Sectors remain unchanged
(41/10 CG17)

★16645 19Ed. 7/10 LAST NM 35/10 45/10
Add Light Fl 6s 60ft (Priv) 59°35′50″N 151°15′00″W
(38/10 CG17)

16647 3Ed. 5/12/01 LAST NM 18/10 45/10
Add Light Fl 6s 60ft (Priv) 59°35′50″N 151°15′00″W
(38/10 CG17)

★16707 13Ed. 3/09 LAST NM 17/09 45/10
Add Buoy (mooring) [Q40] 61°06′12″N 146°16′31″W
(41/10 CG17)

16708 27Ed. 11/08 LAST NM 40/10 45/10
Add Buoy (mooring) [Q40] 61°06′12″N 146°16′31″W
(41/10 CG17)

★17302 18Ed. 3/2/02 LAST NM 15/10 45/10
Add Light Fl 2.5s 15ft (Priv) 58°06′57″N 135°27′20″W
(39/10 CG17)

★17315 24Ed. 11/06 LAST NM 13/10 45/10
Add Light Fl Y 6s 8ft (Priv) 58°10′19″N 134°41′49″W
(41/10 CG17)

17316 20Ed. 4/20/02 LAST NM 30/10 45/10
Add Light Fl Y 6s 8ft (Priv) 58°10′19″N 134°41′49″W
Light Fl 2.5s 15ft (Priv) 58°06′57″N 135°27′20″W
(39, 41/10 CG17)

★17317 20Ed. 3/04 LAST NM 22/10 45/10
Add Light Fl R 4s 30ft (Priv) 59°26′55″N 135°19′52″W

(Inset Skagway and Nahku Bay)
Relocate Light from 59°26′57.7″N 135°19′34.6″W to 59°26′58.2″N 135°19′33.9″W

Add Light Fl R 4s 30ft (Priv) 59°26′54.6″N 135°19′51.8″W
(41/10 CG17)

18445 33Ed. 5/09 LAST NM 44/10 45/10
(Page E)
Add Depth 11 fathoms Rk [K14.2] 47°44′41″N 122°48′59″W
Depth 4 fathoms Wk [K26] 47°38′41″N 122°49′45″W
(NOS)

19002 10Ed. 4/29/06 LAST NM N26/10 N45/10
Add Buoy "GG" Y, pillar, Fl Y 4s (Priv) with legend "(FAD)" 20°32.0′N 156°16.0′W
(40/10 CG14)

19004 38Ed. 5/06 LAST NM 26/10 45/10
Add Buoy "GG" Y, Fl Y 4s (Priv) with legend "(FAD)" 20°32.0′N 156°16.0′W
(40/10 CG14)

19010 19Ed. 10/06 LAST NM 26/10 45/10
Add Buoy "GG" Y, Fl Y 4s (Priv) with legend "(FAD)" 20°32.0′N 156°16.0′W
(40/10 CG14)

19013 18Ed. 11/06 LAST NM 36/10 45/10
Add Buoy "GG" Y, Fl Y 4s (Priv) with legend "(FAD)" 20°32.0′N 156°16.0′W
(40/10 CG14)

★19320 17Ed. 2/08 LAST NM 26/10 45/10
Add Buoy "GG" Y, Fl Y 4s (Priv) with legend "(FAD)" 20°32.0′N 156°16.0′W
(40/10 CG14)

19339 2Ed. 5/6/06 LAST NM N26/10 N45/10
Add Buoy "GG" Y, pillar, Fl Y 4s (Priv) with legend "(FAD)" 20°32.0′N 156°16.0′W
(40/10 CG14)

19340 27Ed. 3/08 LAST NM 26/10 45/10
Add Buoy "GG" Y, Fl Y 4s (Priv) with legend "(FAD)" 20°32.0′N 156°16.0′W
(40/10 CG14)

★19482 9Ed. 12/9/00 LAST NM 40/10 45/10
Add Depth 28 feet 28°12′07.5″N 177°21′13.7″W
Depth 29 feet 28°12′05.5″N 177°21′13.4″W
Depth 32 feet 28°13′09.3″N 177°21′42.6″W
Depth 33 feet 28°11′58.9″N 177°21′12.4″W
Depth 35 feet 28°12′05.9″N 177°21′15.4″W
Depth 35 feet 28°12′07.0″N 177°21′19.5″W
(NOS)

22120 3Ed. 9/1/01 LAST NM 23/10 45/10
Add "Nature Reserve" area [N22] bound by purple dashed line joining 6°21.1′S 80°54.4′W
6°21.0′S 80°48.6′W
6°30.3′S 80°48.6′W
6°30.4′S 80°54.4′W

"Nature Reserve" area [N22] bound by chart border and purple dashed line joining 6°55.0′S 80°45.9′W
6°53.7′S 80°45.9′W
6°53.7′S 80°41.3′W
6°55.0′S 80°41.2′W
Note: Nature reserve area extends beyond chart border
(7(46, 47)10 Callao)

22130 2Ed. 6/22/96 LAST NM 23/10 45/10
Add "Nature Reserve" area [N22] bound by chart border and purple dashed line joining 6°26.0′S 80°54.4′W
6°30.4′S 80°54.4′W
6°30.3′S 80°48.6′W
6°26.0′S 80°48.6′W
Note: Nature reserve area extends beyond chart border

"Nature Reserve" area [N22] bound by purple dashed line joining 6°53.7′S 80°45.9′W
6°53.7′S 80°41.3′W
6°59.5′S 80°41.2′W
6°59.0′S 80°45.9′W

"Nature Reserve" area [N22] bound by purple dashed line joining 7°45.8′S 79°32.4′W
7°45.8′S 79°27.6′W
7°50.8′S 79°27.6′W
7°50.8′S 79°32.4′W
(7(46-48)10 Callao)

22140 2Ed. 4/20/96 LAST NM 35/09 45/10
Add "Nature Reserve" area [N22] bound by purple dashed line joining 8°30.1′S 79°00.1′W
8°30.1′S 78°55.8′W
8°35.9′S 79°55.7′W
8°35.9′S 79°00.0′W

"Nature Reserve" area [N22] bound by purple dashed line joining 8°43.8′S 78°49.6′W
8°43.8′S 78°46.3′W
8°47.9′S 78°46.3′W
8°47.9′S 78°49.6′W
(7(49, 50)10 Callao)

22142 2Ed. 2/3/96 LAST NM 5/10 45/10
Add "Nature Reserve" area [N22] bound by purple dashed line joining 8°54′19″S 78°44′01″W
8°54′17″S 78°40′08″W
8°58′18″S 78°40′07″W
8°58′19″S 78°43′58″W

"Nature Reserve" area [N22] bound by purple dashed line joining 8°59′11″S 78°43′12″W
8°59′10″S 78°40′07″W
9°04′18″S 78°38′36″W
9°04′21″S 78°43′10″W

(Plan)
Add "Nature Reserve" area [N22] bound by chart border and purple dashed line joining
9°04′18.0″S 78°39′00.0″W
9°04′17.6″S 78°38′36.3″W
9°03′06.5″S 78°38′57.0″W
Note: Nature reserve area extends beyond chart border
(7(51, 52)10 Callao)

22172 8Ed. 10/12/02 LAST NM 37/10 45/10
Relocate Buoy from 12°02′27.2″S 77°08′51.8″W to 12°02′27.2″S 77°08′48.8″W
(7(56)10 Callao)

22221 20Ed. 8/31/96 LAST NM 8/10 45/10
(Plan D)
Delete Pilot station symbol and purple dashed line-circle, radius 0.3 mile, centered 23°38′21.0″S 70°24′58.0″W

Line 4 "3 Socopesca Pier" from INDEX TO PIERS note 23°37′29.5″S 70°23′03.5″W
Line 7 "6 Me Miraflores" from INDEX TO PIERS note 23°37′33.0″S 70°23′03.5″W

Add Pilot station symbol with purple dashed line-circle, radius 0.3 mile, centered 23°38′19.2″S 70°24′59.3″W

Chartlet, depicting changes in hydrography, topography and aids to navigation, from Subsection I-2 23°38′42.0″S 70°24′18.0″W
(NGA; 4(38)10 Valparaiso)

22528 3Ed. 8/13/94 LAST NM 28/08 45/10
Change Characteristic of light to Fl 3s 0°45′34″S 90°18′13″W
(UKHO LL)

23101 5Ed. 12/14/96 LAST NM 36/10 45/10
Add Wreck [K29] 42°46′02″S 64°58′02″W
(8(76)04 Buenos Aires)

23102 7Ed. 7/11/09 LAST NM N39/09 N45/10
Add Wreck [K29] 42°46′02.4″S 64°58′01.8″W
(8(76)04 Buenos Aires)

24028 6Ed. 8/11/01 LAST NM 43/10 45/10
Add Platform with light flare symbol [L10] Mo(U) 10M Horn RACON 11°13.5′N 61°31.2′W
(UKHO ARCS 493-0)

24053 16Ed. 4/8/95 LAST NM 41/10 45/10
Substitute Light Fl 3s for position circle "Tower" 34°36′43.8″S 58°21′34.2″W
(4(33)04 Buenos Aires)

24350 2Ed. 2/21/98 LAST NM 22/10 45/10
Delete "Tanker Anchorage" area centered 4°59.3′N 52°07.3′W

Add "Tanker Anchorage" area [N12.5] bound by purple dashed-line circle, radius 1 mile, centered 4°58.4′N 52°10.6′W

(Plan)
Delete "Tanker Anchorage" area centered 4°59′24″N 52°07′15″W

Relocate Anchorage symbol from 5°04′09″N 52°19′16″W to 5°03′34″N 52°18′59″W

Add "Tanker Anchorage" area [N12.5] bound by purple dashed-line circle, radius 1 mile, centered 4°58′24″N 52°10′38″W
(Fr CH 7379)

24355 2Ed. 2/14/98 LAST NM 12/07 45/10
Delete Anchorage symbol 5°04′06″N 52°19′16″W

Add Anchorage symbol (large vessels) [N10] with legend "Waiting" 5°03′34″N 52°18′59″W

"Tanker Anchorage" area [N12.5] bound by purple dashed-line circle, radius 1 mile, centered 4°58′24″N 52°10′38″W
(Fr CH 7379)

24430 5Ed. 8/7/93 LAST NM 33/10 45/10
Delete Anchorage area centered 10°11.1′N 64°45.5′W

Add Anchorage area [N12.1] bound by purple dashed line joining 10°12.5′N 64°48.0′W
10°12.5′N 64°44.9′W
10°10.0′N 64°44.9′W
10°10.0′N 64°48.0′W
(UKHO ARCS 2191)

24434 4Ed. 10/29/94 LAST NM 28/10 45/10
Delete Anchorage area centered 10°12′08″N 64°45′38″W

Add Anchorage area [N12.1] bound by chart border and purple dashed line joining 10°11′20″N 64°48′00″W
10°12′30″N 64°48′00″W
10°12′30″N 64°44′54″W
10°11′20″N 64°44′54″W
Note: Area extends beyond chart border
(UKHO ARCS 2191)

25400 2Ed. 2/7/04 LAST NM 42/09 45/10
Change Platform to "Hibiscus" Mo(U) 10M Horn RACON (B) 11°07.8′N 61°39.5′W

Add Submarine pipeline [L40.1] with legend "GAS (SEE NOTE)" joining 11°10.1′N 61°40.8′W
11°07.8′N 61°39.5′W
11°07.2′N 61°39.8′W
11°06.7′N 61°39.6′W
11°05.7′N 61°40.2′W
11°03.2′N 61°40.1′W
11°01.0′N 61°40.8′W
10°54.4′N 61°41.3′W

(continued on next page)

25400 (Continued)
Submarine pipeline [L40.1] joining 11°13.5′N 61°31.2′W
11°11.9′N 61°34.2′W
11°07.7′N 61°38.0′W
11°07.8′N 61°39.5′W

Submarine pipeline [L40.1] joining 11°13.5′N 61°31.2′W
11°11.3′N 61°34.0′W
11°08.3′N 61°34.8′W
11°08.2′N 61°37.6′W
11°07.8′N 61°39.5′W

Legend "Chaconia Gas Field" 11°11.7′N 61°40.9′W
Legend "Hibiscus Gas Field" 11°07.5′N 61°36.5′W
Legend "Poinsettia Gas Field" 11°14.2′N 61°32.7′W

Legend "OIL AND GAS FIELDS (SEE NOTE)" 11°11.2′N 61°36.8′W
Platform "Poinsettia" [L10] Mo(U) 10M Horn RACON 11°13.5′N 61°31.2′W
(UKHO ARCS 493-0)

37223 14Ed. 9/2/95 LAST NM 44/10 45/10
Delete Buoy 53°19.1′N 4°59.8′E
(40(477)10 Den Haag)

37226 18Ed. 5/31/08 LAST NM N43/10 N45/10
Relocate Buoy "NE 11" from 53°58′09″N 8°41′39″E to 53°58′19″N 8°41′16″E
(39(44)10 Hamburg)

37228 14Ed. 7/25/98 LAST NM 43/10 45/10
Delete Anchorage area "Freiburg Reede" in vicinity 53°50′28″N 9°19′33″E

Relocate Buoy "Reede 1" from 53°50′25″N 9°19′26″E to 53°50′37″N 9°19′09″E
Buoy "Reede 3" from 53°50′02″N 9°19′59″E to 53°50′05″N 9°20′05″E
Buoy "69/Reede" from 53°50′47″N 9°18′53″E to 53°50′51″N 9°18′58″E

Buoy "71/WF Nord/Reede" from 53°50′09″N 9°20′10″E to 53°50′11″N 9°20′14″E

Substitute Range beacon, front for range light, front and sector 53°50′14″N 8°59′39″E
Range beacon, rear for range light, rear and sector 53°50′11″N 8°59′44″E
Note: Range line and legend remain

Change Sectors of light "Osterende" between 047° and 104° to white 047°-093°42′, red-104° 53°50′46″N 9°21′17″E
Note: Remaining sectors unchanged

Add Anchorage area bound by purple dashed line joining 53°50′51″N 9°18′58″E
53°50′51″N 9°19′07″E
53°50′13″N 9°20′19″E
53°50′05″N 9°20′05″E
53°50′37″N 9°19′09″E
(39(46), 40(46)10 Hamburg)

37230 14Ed. 11/14/98 LAST NM 30/09 45/10
(Plan B)
Delete Light 53°28′04.8″N 9°59′22.7″E
(40(48)10 Hamburg)

37231 18Ed. 4/5/97 LAST NM 43/10 45/10
Add Dangerous wreck [K28] 53°47′02″N 8°05′48″E
Depth 1.6 meters 53°42′14″N 8°18′15″E
(40(2)10 Hamburg)

37241 19Ed. 4/4/09 LAST NM N31/10 N45/10
Add Foul ground symbol [K31] 51°56.75′N 3°42.47′E
(40(479)10 Den Haag)

37246 15Ed. 4/22/06 LAST NM 41/10 45/10
Delete Light and sectors 51°22′14″N 4°02′38″E

Relocate Anchor berth "B" from 51°23′49″N 3°45′18″E to 51°23′52″N 3°45′09″E
Anchor berth "C" from 51°23′35″N 3°45′59″E to 51°23′38″N 3°45′50″E
Anchor berth "D" from 51°23′19″N 3°46′41″E to 51°23′23″N 3°46′32″E
Anchor berth "E" from 51°23′04″N 3°47′23″E to 51°23′07″N 3°47′14″E

Buoy "E 2B" from 51°24′04″N 3°45′31″E to 51°24′06″N 3°45′21″E
Buoy "E 3B" from 51°23′35″N 3°45′06″E to 51°23′38″N 3°44′56″E

Buoy "E 3D" from 51°23′06″N 3°46′28″E to 51°23′09″N 3°46′19″E
and change period to 4s

Change Legend to "059°" 51°27′51″N 3°41′54″E

Add Buoy "Epirus" YB, can, double cone topmark points downward 51°24′02″N 3°45′33″E

(Inset G)
Add Vertical clearance [D20] 9.1 meters to bridge 51°14′25″N 4°25′14″E

(Plan A)
Change Legend to "059°" 51°27′25.0″N 3°40′47.0″E
(39(457, 464), 40(473)10 Den Haag; 20(248)10 Oostende)

43302 4Ed. 4/9/94 LAST NM 11/08 45/10
Substitute Dangerous submerged rock [K13] for depth 10.5 meters 61°05′09″N 4°42′14″E
Dangerous submerged rock [K13] for depth 6.6 meters 61°05′14″N 4°42′21″E
Dangerous submerged rock [K13] for depth 1.8 meters 61°05′18″N 4°42′20″E
Dangerous submerged rock [K13] for depth 2.6 meters 61°05′25″N 4°42′32″E
Dangerous submerged rock [K13] for depth 15 meters 61°05′44″N 4°42′32″E

Add Depth 4.5 meters Rk [K14.2] 61°05′22″N 4°42′21″E
(18(30138)10 Stavanger)

43321 6Ed. 1/17/98 LAST NM 30/09 45/10
Add Submarine pipeline [L40.1] between 60°14′24″N 5°17′43″E
60°14′28″N 5°17′46″E
(18(29976)10 Stavanger)

44001 2Ed. 10/19/96 LAST NM 43/10 45/10
Add Buoy YBY, pillar, double cone topmark points together, Q(9) 15s 58°23.1′N 21°30.0′E

Pilot station symbol [T1.1] 58°35.0′N 22°12.0′E
Pilot station symbol [T1.1] 58°32.0′N 22°02.0′E
Pilot station symbol [T1.1] 58°41.3′N 22°24.3′E
(2(14), 9(135)10 Tallinn)

44120 8Ed. 2/27/10 LAST NM 43/10 45/10
Add Depth 37 meters Wk [K26] 54°45.5′N 16°02.5′E
(41(787)10 Gdynia)

44140 9Ed. 3/13/10 LAST NM 43/10 45/10
Add Depth 37 meters Wk [K26] 54°45.5′N 16°02.5′E
(41(787)10 Gdynia)

44400 4Ed. 9/7/96 LAST NM 44/10 45/10
Add Buoy RW, pillar, ball topmark, L Fl 10s 58°09.3′N 22°35.6′E
(9(136)10 Tallinn)

44410 4Ed. 2/8/97 LAST NM 34/10 45/10
Relocate Buoy from 58°22.9′N 21°38.7′E to 58°23.1′N 21°30.0′E
(9(135)10 Tallinn)

P 44420 7Ed. 7/3/10 LAST NM 44/10 45/10
Add Purple tint area (traffic separation zone) [M13]
bound by limit joining 56°17.6′N 18°39.1′E
56°20.2′N 18°46.8′E
56°24.6′N 18°51.0′E
56°24.2′N 18°52.3′E
56°19.6′N 18°47.8′E
56°16.9′N 18°39.9′E
Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0000 UTC hours on 1 January 2011
(NTM0020/2010)

P 44430 3Ed. 5/15/10 LAST NM 44/10 45/10
Add Purple tint area (traffic separation zone) [M13]
bound by limit joining 56°17.6′N 18°39.1′E
56°20.2′N 18°46.8′E
56°24.6′N 18°51.0′E
56°24.2′N 18°52.3′E
56°19.6′N 18°47.8′E
56°16.9′N 18°39.9′E

Open outlined arrow indicating flow of traffic
[M10] oriented 209° 56°23.8′N 18°46.5′E
Open outlined arrow indicating flow of traffic
[M10] oriented 029° 56°21.7′N 18°52.6′E
Note: The above Traffic Separation Scheme has been adopted by the IMO and will become effective at 0000 UTC hours on 1 January 2011
((NTM0020/2010))

44443 1Ed. 8/1/09 LAST NM N39/09 N45/10
Relocate Buoy "No 9" from
56°31′52.7″N 20°58′31.8″E to 56°31′52.2″N 20°58′30.0″E
(9(95)10 Riga)

44461 10Ed. 1/11/97 LAST NM 35/10 45/10
Delete Buoy (mooring) 54°39.9′N 19°45.1′E
(52(7578)06 St. Petersburg)

44465 2Ed. 4/23/94 LAST NM 41/10 45/10
Add Submarine pipeline [L40.1] between
54°36′47″N 18°30′46″E
54°37′08″N 18°32′46″E

Light Fl 2s 54°37′08″N 18°32′46″E
(41(784)10 Gdynia)

44481 2Ed. 2/22/97 LAST NM 43/10 45/10
Add Depth 37 meters Wk [K26] 54°45.5′N 16°02.5′E
(41(787)10 Gdynia)

52170 3Ed. 7/8/95 LAST NM 24/10 45/10
Add Platform with light flare symbol [L10] 36°06.9′N 10°49.3′E
Platform with light flare symbol [L10] 36°22.5′N 10°54.2′E

Wreck [K29] 35°29.3′N 12°32.7′E
Wreck [K29] 35°18.9′N 11°57.3′E
Wreck [K29] 35°06.5′N 12°53.0′E
(30(35)10 Brest; Ital CH 434, 947)

52172 2Ed. 8/12/95 LAST NM 22/10 45/10
Add Platform with light flare symbol [L10]
36°06′54″N 10°49′18″E
Platform with light flare symbol [L10]
36°22′30″N 10°54′12″E
(30(35)10 Brest)

52180 14Ed. 7/31/99 LAST NM 43/10 45/10
Add Danger circle "Obstn (Marine farm) (Buoyed)"
[K40] 37°04.2′N 10°15.1′E
(25(36)10 Brest)

52184 3Ed. 5/15/99 LAST NM 46/09 45/10
Add "Marine Farm" area bound by dashed line
joining 37°04′54″N 10°15′11″E
37°04′22″N 10°15′45″E
37°03′48″N 10°15′11″E
37°04′21″N 10°14′35″E

Buoy BY, pillar, double cone topmark
points upward, VQ [Q130.3] 37°04′54″N 10°15′11″E
Buoy BYB, pillar, double cone topmark
bases together, VQ(3) 10s [Q130.3] 37°04′22″N 10°15′45″E

Buoy YB, pillar, double cone topmark
points downward, VQ(6) + L Fl 10s [Q130.3]
37°03′48″N 10°15′11″E
Buoy YBY, pillar, double cone topmark
points together, VQ(9) 10s [Q130.3]
37°04′21″N 10°14′35″E
(25(36)10 Brest)

52200 8Ed. 3/20/99 LAST NM 10/10 45/10
Add Wreck [K29] (PA) 37°01.8′N 8°48.5′E
(25(36)10 Brest)

53011 2Ed. 2/10/01 LAST NM 43/10 45/10
Add Wreck [K29] 35°29.4′N 12°32.7′E
(Ital CH 947)

53031 1Ed. 5/2/92 LAST NM 43/10 45/10
Substitute Disused submarine cable [L32] for
submarine cable between 41°29.0′N 8°35.2′E
41°35.2′N 10°09.8′E

Disused submarine cable [L32] for
submarine cable between 41°21.8′N 8°33.5′E
41°25.8′N 10°08.2′E

Disused submarine cable [L32] for
submarine cable between 41°54.8′N 12°08.2′E
41°35.9′N 10°42.5′E

Disused submarine cable [L32] for
submarine cable between 41°54.8′N 12°08.2′E
41°29.9′N 10°44.9′E

Disused submarine cable [L32] for
submarine cable between 41°54.8′N 12°08.2′E
41°23.1′N 11°54.1′E
(Ital CH 912, 913)

53120 14Ed. 7/3/99 LAST NM 42/10 45/10
Substitute Disused submarine cable [L32] for
submarine cable between 41°21.0′N 9°20.2′E
41°22.5′N 9°22.3′E

Disused submarine cable [L32] for
submarine cable between 41°24.8′N 9°28.3′E
41°35.4′N 10°9.8′E

Disused submarine cable [L32] for
submarine cable between 41°20.4′N 9°21.7′E
41°21.1′N 9°24.4′E

Disused submarine cable [L32] for
submarine cable between 41°22.2′N 9°29.5′E
41°22.8′N 9°33.5′E

Disused submarine cable [L32] for
submarine cable between 41°19.6′N 9°22.3′E
41°19.6′N 9°27.6′E

Disused submarine cable [L32] for
submarine cable between 41°19.5′N 9°28.6′E
41°15.0′N 10°03.7′E

Disused submarine cable [L32] for
submarine cable between 41°54.2′N 12°04.9′E
41°39.4′N 11°00.4′E

Disused submarine cable [L32] for
submarine cable between 41°52.6′N 12°05.2′E
41°36.0′N 11°40.0′E

Disused submarine cable [L32] for
submarine cable between 41°53.4′N 12°08.0′E
41°05.0′N 11°52.8′E
(Ital CH 912, 913)

53130 1Ed. 9/9/89 LAST NM 11/09 45/10
Substitute Disused submarine cable [L32] for
submarine cable between 41°22.2′N 9°00.0′E
41°35.4′N 10°09.8′E

Disused submarine cable [L32] for
submarine cable between 41°19.0′N 9°00.0′E
41°25.2′N 10°03.6′E
(Ital CH 912)

53135 2Ed. 6/3/95 LAST NM 2/10 45/10
Add Marine nature reserve area [N22] bound by
shore and purple composite line joining
42°14′37.2″N 11°06′40.0″E
42°14′38.3″N 11°07′21.9″E
42°14′19.1″N 11°07′21.9″E
42°13′44.3″N 11°06′35.7″E
42°13′51.5″N 11°05′41.1″E
42°14′15.5″N 11°05′09.9″E
42°14′38.3″N 11°04′57.9″E
42°14′43.1″N 11°05′46.5″E

Marine nature reserve area [N22] bound by
shore and purple composite line joining
42°15′08.3″N 11°06′59.1″E
42°15′14.3″N 11°07′45.9″E
42°15′44.3″N 11°07′33.9″E
42°16′17.3″N 11°06′29.1″E
42°15′46.7″N 11°06′33.0″E

Marine nature reserve area [N22] bound by
shore and purple composite line joining
42°15′27.0″N 11°05′44.0″E
42°15′44.3″N 11°05′06.3″E
42°16′02.9″N 11°05′44.1″E
42°15′32.0″N 11°05′56.1″E

Purple dashed line (marine nature reserve area
limit) [N22] joining 42°14′38.3″N 11°07′21.9″E
42°14′38.9″N 11°10′42.3″E
42°13′39.5″N 11°10′39.3″E
42°12′30.0″N 11°08′42.4″E

Purple dashed line (marine nature reserve area
limit) [N22] joining 42°15′10.1″N 11°05′30.3″E
42°15′12.5″N 11°01′26.1″E
42°14′18.5″N 11°01′42.3″E
42°13′05.3″N 11°02′15.3″E
42°12′30.0″N 11°03′00.0″E

Legend “Marine Nature Reserve”
42°13′15.0″N 11°06′12.0″E

“Marine Nature Reserve” area [N22] bound by
purple dashed line joining 42°15′14.3″N 11°07′45.9″E
42°15′37.1″N 11°11′00.3″E
42°17′08.3″N 11°10′18.3″E
42°18′47.9″N 11°06′20.7″E
42°18′26.3″N 11°04′50.7″E
42°17′01.1″N 11°02′14.7″E
42°15′44.3″N 11°05′06.3″E
(Ital CH 6)

53220 7Ed. 9/24/05 LAST NM 43/10 45/10
Add Wreck [K29] 35°29.4′N 12°32.7′E
Wreck [K29] 35°18.9′N 11°57.3′E
(Ital CH 434, 947)

53283 4Ed. 9/28/85 LAST NM 6/10 45/10
Add Light Q(3)10s 6m 3M to beacon 40°55.28′N 9°39.17′E
(Ital CH 42)

53287 (INT 3350) 6Ed. 9/30/95 LAST NM 38/10 45/10
Substitute Disused submarine cable [L32] for
submarine cable between 41°24′21″N 8°53′00″E
41°26′43″N 9°33′36″E

Disused submarine cable [L32] for
submarine cable between 41°21′57″N 8°53′00″E
41°19′25″N 9°33′36″E

Disused submarine cable [L32] for
submarine cable between 41°20′29″N 8°53′00″E
41°22′45″N 9°33′36″E
(Ital CH 912)

53301 4Ed. 10/26/96 LAST NM 38/10 45/10
Substitute Disused submarine cable [L32] for
submarine cable between 41°19′56″N 9°18′41″E
41°28′08″N 9°38′38″E

Disused submarine cable [L32] for
submarine cable between 41°19′56″N 9°20′20″E
41°24′22″N 9°38′38″E
(Ital CH 912)

54090 3Ed. 9/14/02 LAST NM 39/10 45/10
Add “PROHIBITED AREA” [N2.2] bound by
purple composite-line greater arc of a circle,
radius 1 mile, centered 42°19.3′N 18°42.7′E
arc between 42°19.2′N 18°42.5′E
42°18.5′N 18°43.6′E

“PROHIBITED AREA” [N2.2] bound by
purple composite-line greater arc of a circle,
radius 2 miles, centered 42°08.1′N 19°00.6′E
arc between 42°09.7′N 18°59.1′E
42°08.2′N 19°03.3′E

“PROHIBITED AREA” [N2.2] bound by
purple composite-line greater arc of a circle,
radius 2 miles, centered 41°57.2′N 19°09.0′E
arc between 41°59.2′N 19°09.0′E
41°55.8′N 19°11.0′E

Light Fl R 4s 25m 6M 42°11.7′N 18°56.2′E
(UKHO ARCS 1582-0)

54280 11Ed. 12/10/05 LAST NM 43/10 45/10
Relocate Buoy from 37°56.8′N 20°36.4′E to 37°56.9′N 20°36.0′E
(9(215)10 Athens)

54300 12Ed. 2/22/92 LAST NM 43/10 45/10
Relocate Buoy from 36°49.6′N 21°35.9′E to 36°49.3′N 21°36.2′E
Buoy from 36°58.2′N 22°05.7′E to 36°58.2′N 22°00.1′E
(9(215)10 Athens)

54301 4Ed. 10/14/95 LAST NM 31/09 45/10
Relocate Buoy from 36°49′37″N 21°35′55″E to
36°49′16″N 21°36′15″E

Add Buoy Y, pillar, Fl(5) Y 20s [Q130.6]
36°58′12″N 22°00′04″E
(9(215)10 Athens)

54320 4Ed. 10/5/91 LAST NM 36/10 45/10
Relocate Buoy from 36°15.3′N 25°29.8′E to 36°15.4′N 25°29.8′E

Add Buoy Y, pillar, Fl(5) Y [Q130.6] 35°47.2′N 24°55.9′E
(9(216)10 Athens)

54321 3Ed. 2/28/09 LAST NM N24/10 N45/10
Relocate Buoy from 36°15′14″N 25°29′44″E to
36°15′25″N 25°29′45″E
(9(216)10 Athens)

54341 4Ed. 11/26/94 LAST NM 34/10 45/10
Add Buoy Y, pillar, Fl(5) Y 20s [Q130.6]
37°36′00″N 23°33′41″E
(9(218)10 Athens)

54343 10Ed. 12/9/95 LAST NM 18/10 45/10
Relocate Buoy from 37°35′55″N 23°33′31″E to
37°36′00″N 23°33′41″E
(9(218)10 Athens)

54344 6Ed. 3/23/96 LAST NM 35/10 45/10
Relocate Buoy from 37°35′55″N 23°33′31″E to
37°36′00″N 23°33′41″E
(9(218)10 Athens)

54350 4Ed. 12/18/93 LAST NM 30/09 45/10
(Plan A)
Relocate Buoy from 39°06′24″N 24°27′36″E to
39°06′21″N 24°27′22″E
(9(220)10 Athens)

54360 12Ed. 9/22/90 LAST NM 38/10 45/10
Relocate Buoy from 39°57.7′N 24°43.5′E to 39°58.1′N 24°43.1′E
(9(221)10 Athens)

54380 6Ed. 5/11/91 LAST NM 44/10 45/10
Relocate Buoy from 39°09.2′N 25°48.5′E to 39°09.3′N 25°48.5′E
(9(222)10 Athens)

54421 6Ed. 3/17/01 LAST NM 36/10 45/10
Add Buoy Y, conical, "X" topmark, Fl(5) Y 20s [Q130.6] 36°45′49″N 28°25′32″E
(41(245)10 Istanbul)

54422 4Ed. 1/26/02 LAST NM 33/09 45/10
Add Buoy Y, conical, "X" topmark, Fl(5) Y 20s [Q130.6] 36°45′49.2″N 28°25′31.8″E
(41(245)10 Istanbul)

55046 4Ed. 11/30/96 LAST NM 44/10 45/10
Delete Dashed line between 40°56′50″N 28°43′28″E
40°56′50″N 28°47′22″E

Add Dashed line joining 40°56′50″N 28°43′28″E
40°56′20″N 28°47′22″E
40°56′50″N 28°47′22″E
(41(242)10 Istanbul)

55048 12Ed. 9/9/00 LAST NM 37/10 45/10
(Panel B)
Delete Buoy 41°04′49.3″N 29°03′49.7″E

Add Buoy YBY, pillar, double cone topmark points together, Q(9) 15s [Q130.3] 41°04′50.4″N 29°03′49.8″E
(41(241)10 Istanbul)

56011 1Ed. 8/3/91 LAST NM 43/10 45/10
Add Wreck [K29] 35°29.4′N 12°32.7′E
Wreck [K29] 35°18.9′N 11°57.3′E
Wreck [K29] 35°06.5′N 12°53.0′E
(Ital CH 434, 947)

63005 18Ed. 2/26/94 LAST NM 44/10 45/10
Add Racon (G) [S3.1] at light 11°09.2′N 75°48.5′E
(6(94)10 Dehra Dun)

63062 8Ed. 5/19/07 LAST NM 44/10 45/10
Delete Pilot station symbol and legend "Kandla" 22°50′35″N 70°05′51″E
(7(104)10 Dehra Dun)

63065 6Ed. 2/17/96 LAST NM 37/10 45/10
Delete Pilot station symbol and legend "Pilots" 22°50′28.5″N 70°05′46.0″E

Buoy "Spoil Ground 1" 22°54′22.0″N 70°12′13.5″E

Add Pilot station symbol [T1.1] 22°53′25.8″N 70°10′05.1″E

"Spoil Ground" area [N62.1] bound by dashed-line circle, radius 1000 meters, centered 22°54′01.2″N 70°08′59.7″E
(7(104)10 Dehra Dun; UKHO ARCS 3466-0)

63090 9Ed. 5/2/09 LAST NM 38/10 45/10
Add Racon (C) [S3.1] to platform 19°07.4′N 72°06.4′E
Racon (G) [S3.1] to platform 18°48.4′N 72°20.0′E
(7(106, 107)10 Dehra Dun)

63101 17Ed. 1/31/09 LAST NM N42/10 N45/10
Add Racon (C) [S3.1] to platform 19°07′30″N 72°06′25″E
Racon (G) [S3.1] to platform 18°48′21″N 72°19′54″E
(7(106, 107)10 Dehra Dun)

63111 10Ed. 2/25/06 LAST NM 34/10 45/10
(Plan A)
Delete Buoy (Fl Y 2s) 15°24′55.0″N 73°46′09.0″E
(10(189)09 Dehra Dun)

63200 5Ed. 1/29/94 LAST NM 44/10 45/10
Add Racon (G) [S3.1] at light 11°09.5′N 75°48.3′E
(6(94)10 Dehra Dun)

63252 2Ed. 4/7/07 LAST NM N48/09 N45/10
Add Legend "Works in progress (2010)" 8°45′10.0″N 78°12′45.0″E
(7(112)10 Dehra Dun)

63383 5Ed. 1/2/99 LAST NM 48/01 45/10
(Plan)
Delete Buoy "1" 11°41′33.9″N 92°43′15.5″E
Buoy "3" 11°41′20.8″N 92°43′01.2″E
Buoy "5" 11°41′18.0″N 92°42′35.6″E
Buoy 11°41′12.0″N 92°42′41.0″E
Buoy 11°41′24.3″N 92°43′01.5″E
Buoy 11°41′39.7″N 92°43′18.9″E

Add Buoy G, conical, Fl G 4s 11°41′14.4″N 92°42′41.7″E
Buoy G, conical, Fl G 4s 11°41′23.7″N 92°42′59.4″E
Buoy G, conical, Fl G 4s 11°41′36.7″N 92°43′10.6″E
Buoy G, conical, Fl G 4s 11°41′20.6″N 92°43′33.8″E
Buoy R, can, Fl R 4s 11°41′17.3″N 92°43′38.6″E
(6(98)10 Dehra Dun; UKHO ARCS 514-0)

63410 6Ed. 10/10/87 LAST NM 33/08 45/10
Delete Pilot station symbol 16°08.8′N 96°17.0′E

Add Pilot station symbol [T1.1] 16°12.7′N 96°18.2′E
(UKHO ARCS 823-0)

63420 2Ed. 10/10/87 LAST NM 33/08 45/10
Delete Pilot station symbol 16°08.7′N 96°17.2′E

Add Pilot station symbol [T1.1] 16°12.7′N 96°18.2′E
(UKHO ARCS 823-0)

71253 11Ed. 10/15/05 LAST NM 32/10 45/10
Change Legend to "9.0m (2009)" 1°17′32.3″N 103°41′40.0″E

Add Submarine pipeline [L40.1] with legend "Water (buried)" between 1°16′10.3″N 103°44′00.7″E
1°14′08.3″N 103°45′38.2″E
(50(6553)09 Taunton)

★74205 2Ed. 11/12/94 CHART CANCELED 45/10
(NGA)

★74237 3Ed. 11/21/08 NEW EDITION N45/10
(NGA)

★74243 1Ed. 5/26/06 NEW CHART N45/10
(NGA)

★74244 1Ed. 4/27/07 NEW CHART N45/10
(NGA)

★74248 1Ed. 5/27/05 NEW CHART N45/10
(NGA)

91331 3Ed. 8/23/86 LAST NM 44/10 45/10
Add Light Fl(2) 5s 13°09′23″N 121°26′17″E
(2(45)08 Manila)

91340 3Ed. 10/29/83 LAST NM 44/10 45/10
Add Light Fl(2) 5s 13°09′20″N 121°26′19″E
(2(45)08 Manila)

92025 3Ed. 2/11/84 LAST NM 29/07 45/10
Change Visibility (range) of light to 11M 10°20.2′N 123°59.1′E
(2(9)08 Manila; UKHO LL)

92030 4Ed. 1/22/83 LAST NM 44/10 45/10
Change Visibility (range) of light to 11M 10°20.2′N 123°59.1′E
(2(9)08 Manila; UKHO LL)

92320 4Ed. 6/27/98 LAST NM 44/10 45/10
Change Visibility (range) of light to 11M 10°20′07″N 123°59′12″E
(2(9)08 Manila; UKHO LL)

92380 3Ed. 9/19/98 LAST NM 44/10 45/10
Change Visibility (range) of light to 11M 10°20′12″N 123°59′12″E
(2(9)08 Manila; UKHO LL)

92383 7Ed. 10/19/91 LAST NM 6/06 45/10
Change Visibility (range) of light to 11M
10°20′07.5″N 123°59′11.9″E
(2(9)08 Manila; UKHO LL)

92385 4Ed. 3/28/92 LAST NM 44/10 45/10
Change Visibility (range) of light to 11M
10°20′07.5″N 123°59′11.9″E
(2(9)08 Manila; UKHO LL)

93736 25Ed. 9/1/07 LAST NM N44/10 N45/10
Delete Depth 5.1 meters 22°18′57.0″N 114°09′29.0″E

Add Depth 3.7 meters enclosed by depth contour
(5-meter) centered 22°18′58.6″N 114°09′31.1″E
(21(40)10 Hong Kong)

94084 1Ed. 1/15/00 LAST NM 16/09 45/10
Relocate Buoy "4" from 22°32′56.3″N 120°18′50.7″E
to 22°32′59.9″N 120°18′46.4″E
(112/09 Tso-ying)

95067 15Ed. 9/26/09 LAST NM N31/10 N45/10
Delete Anchorage area "A-4" centered
37°23′04.0″N 126°33′46.5″E
Anchorage area "A-5" centered
37°23′31.0″N 126°34′02.5″E
Anchorage area "A-6" centered
37°23′50.0″N 126°34′21.0″E
(39(585)10 Inchon)

95080 14Ed. 9/22/07 LAST NM 37/10 45/10
Change Light to Fl 5s 32m 15M Racon (Z) 34°45.5′N 126°13.3′E

Height of light to 37m 34°45.7′N 126°17.8′E
(53(820)09 Inchon; ROK CH 301)

95084 7Ed. 6/11/94 LAST NM 32/10 45/10
Change Light to Fl 5s 32m 15M Racon (Z)
34°45′33.0″N 126°13′26.0″E
(53(820)09 Inchon; UKHO LL)

95085 4Ed. 6/11/94 LAST NM 32/10 45/10
Change Light to Fl 5s 32m 15M Racon (Z)
34°45′33.0″N 126°13′26.0″E
(53(820)09 Inchon; UKHO LL)

95100 13Ed. 10/20/07 LAST NM 37/10 45/10
Change Light to Fl 5s 32m 15M Racon (Z) 34°45.5′N 126°13.3′E

Height of light to 37m 34°45.7′N 126°17.8′E
Height of light to 14m 33°31.7′N 126°32.5′E
(53(820)09 Inchon; ROK CH 244, 301)

95103 8Ed. 5/18/96 LAST NM 36/10 45/10
Change Light to Fl G 5s 14m 9M 33°31′39″N 126°32′21″E
(ROK CH 244)

95120 9Ed. 8/2/08 LAST NM 18/10 45/10
Add Light Fl G 5s 14m 9M 33°31.8′N 126°32.5′E
(ROK CH 244)

95141 8Ed. 8/5/95 LAST NM 32/10 45/10
Add Beacon BRB, double ball topmark,
Fl(2) 5s 11m 8M [Q130.4] 34°45′03″N 127°26′53″E
Beacon BRB, double ball topmark,
Fl(2) 5s 14m 8M [Q130.4] 34°30′20″N 127°14′21″E
(ROK CH 227, 256)

95147 14Ed. 4/1/06 LAST NM 32/10 45/10
Relocate Buoy "No 2" from
35°06′35.1″N 128°41′10.1″E to
35°06′33.0″N 128°41′14.0″E
Buoy "No 4" from
35°06′53.1″N 128°41′28.1″E to
35°06′46.0″N 128°41′32.0″E
(39(577)10 Inchon)

96028 5Ed. 8/13/94 LAST NM 1/10 45/10
Delete Legend "R Bn" 52°53.0′N 173°13.0′E
Position circle "LORAN TOWER" 52°50.0′N 173°10.0′E
(40, 41/10 CG17)

97266 6Ed. 12/5/09 LAST NM N44/10 N45/10
Change Visibility (range) of light to 5M 34°23.0′N 133°06.7′E
(Jpn LL)

Chart 22221 (Plan D) NM 45/10

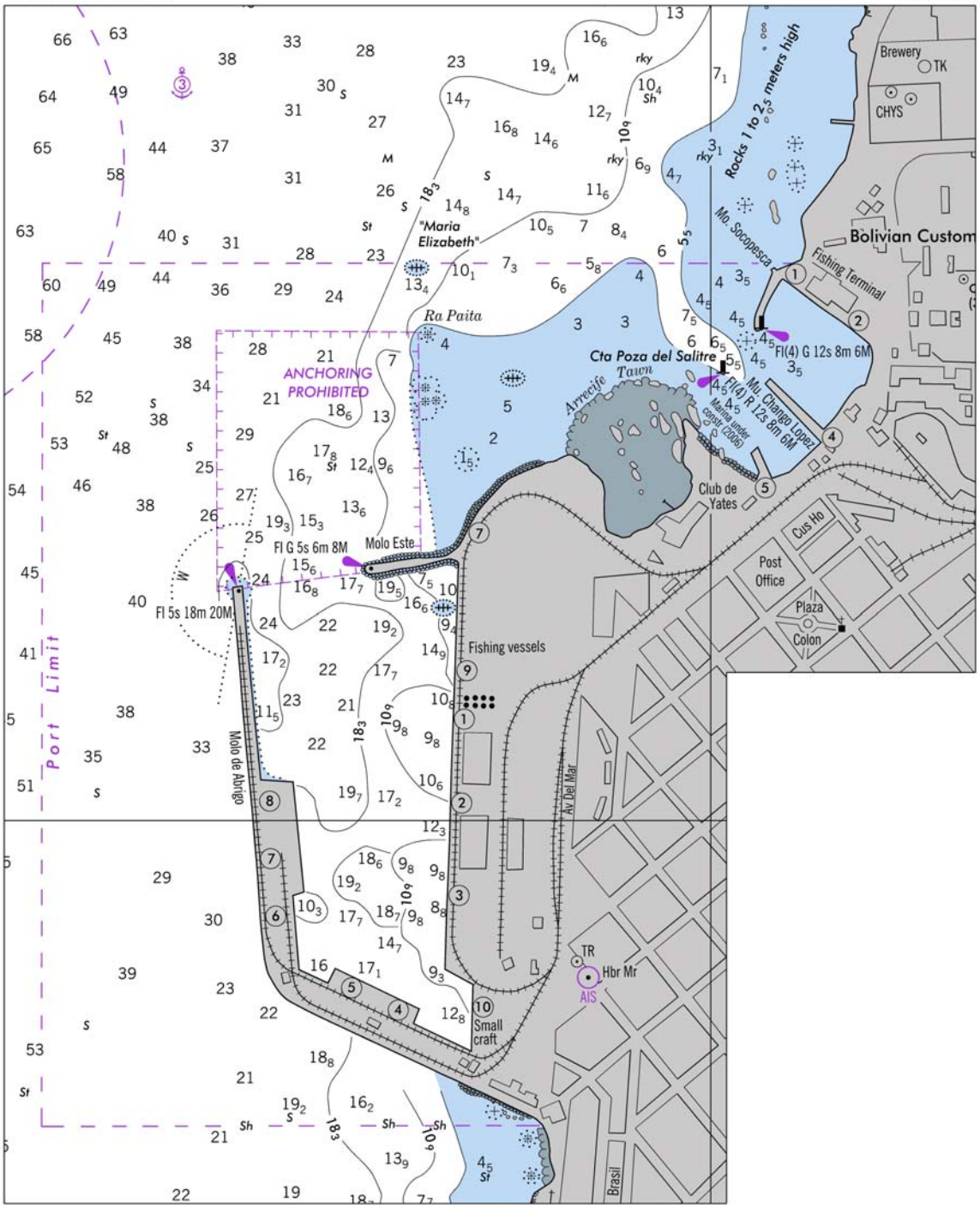


Chart 11493 NM N45/10

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2006
AND SURVEYS TO JUL 2010

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	46.0	47.6	47.9	42.3	7-10	500	8.3	46
RANGE A	41.6	47.3	45.4	41.5	4-10	482	1.34	42
RANGE A1, A2	46.0	43.6	42.1	39.8	4-10	591-834	0.66	42
RANGE B	46.8	47.5	47.4	41.9	4-10	582-655	0.55	42
RANGE C	32.6	43.0	46.1	42.5	4-10	498	1.19	42
RANGE D	33.8	42.3	42.7	37.6	4-10	489-498	1.35	42
RANGE E	43.2	43.2	43.0	38.8	4-10	512	0.87	42
RANGE F (WARRIOR REACH)	38.3	44.5	44.4	40.0	4-10	564-836	0.25	42
RANGE G (SOUTH TURNING BASIN)	23.3	39.4	44.1	43.3	4-10	661-1181	0.49	42
RANGE H (TENNESSEE REACH)	19.8	42.3	42.6	41.3	4-10	482-1197	0.83	42
RANGE I (NORTH TURNING BASIN)	43.2	45.6	43.7	40.4	4-10	493-1425	0.46	42

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

Chart 11494 NM N45/10

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2006
AND SURVEYS TO JUL 2010

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	46.0	47.6	47.9	42.3	7-10	500	8.3	46
QUARANTINE REACH**	---	---	---	---	10/2003	400-1100	1.67	35
RANGE A	41.6	47.3	45.4	41.5	4-10	482	1.34	42
RANGE A1, A2	46.0	43.6	42.1	39.8	4-10	591-834	0.66	42
RANGE B	46.8	47.5	47.4	41.9	4-10	582-655	0.55	42
RANGE C	32.6	43.0	46.1	42.5	4-10	498	1.19	42
RANGE D	33.8	42.3	42.7	37.6	4-10	489-498	1.35	42
RANGE E	43.2	43.2	43.0	38.8	4-10	512	0.87	42

** FROM REPORT OF NOV 2003, AND SURVEYS TO OCT 2003

Chart 11503 NM 45/10

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2006
AND SURVEYS TO JUL 2010

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	46.0	47.6	47.9	42.3	7-10	500	8.3	46
RANGE A	41.6	47.3	45.4	41.5	4-10	482	1.34	42
RANGE A1, A2	46.0	43.6	42.1	39.8	4-10	591-834	0.66	42
RANGE B	46.8	47.5	47.4	41.9	4-10	582-655	0.55	42
RANGE C	32.6	43.0	46.1	42.5	4-10	498	1.19	42
RANGE D	33.8	42.3	42.7	37.6	4-10	489-498	1.35	42
RANGE E	43.2	43.2	43.0	38.8	4-10	512	0.87	42
RANGE F (WARRIOR REACH)	38.3	44.5	44.4	40.0	4-10	564-836	0.25	42
RANGE G (SOUTH TURNING BASIN)	23.3	39.4	44.1	43.3	4-10	661-1181	0.49	42
RANGE H (TENNESSEE REACH)	19.8	42.3	42.6	41.3	4-10	482-1197	0.83	42
RANGE I (NORTH TURNING BASIN)	43.2	45.6	43.7	40.4	4-10	493-1425	0.46	42

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

Chart 12273 NM 45/10

BALTIMORE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2010

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) *						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH MLLW (FEET)
CRAIGHILL ENTRANCE	47.0	51.0	51.0	49.0	3-09	700	3.79	50
CRAIGHILL CHANNEL	49.0	51.0	51.0	47.0	4-09	700	3.24	50
CRAIGHILL ANGLE	44.0	46.0	48.0	45.0	7-10	700-1870	1.88	50
CRAIGHILL CHANNEL UPPER RANGE	51.0	50.0	51.0	51.0	5-09	700	1.19	50
CUTOFF ANGLE	50.0	51.0	49.0	49.0	3-09	700-1740	1.14	50
BREWERTON CHANNEL	51.0	51.0	51.0	50.0	4-09	700	3.50	50
EASTERN EXTENSION	35.0	35.0	35.0	35.0	1-10	600	6.33	35
SWAN POINT CHANNEL	35.0	35.0	35.0	35.0	6-09	600	3.13	35
TOLCHESTER CHANNEL	31.0	35.0	36.0	35.0	6-09	450-600	10.87 **	35

* ALL DEPTHS REPORTED TO NEAREST FOOT.
** THE LAST 1.88 NM OVERLAPS WITH THE CHESAPEAKE AND DELAWARE CANAL CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12278 NM 45/10

BALTIMORE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2010

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) *						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH MLLW (FEET)
CRAIGHILL ENTRANCE	47.0	51.0	51.0	49.0	3-09	700	3.79	50
CRAIGHILL CHANNEL	49.0	51.0	51.0	47.0	4-09	700	3.24	50
CRAIGHILL ANGLE	44.0	46.0	48.0	45.0	7-10	700-1870	1.88	50
CRAIGHILL CHANNEL UPPER RANGE	51.0	50.0	51.0	51.0	5-09	700	1.19	50
CUTOFF ANGLE	50.0	51.0	49.0	49.0	3-09	700-1740	1.14	50
BREWERTON CHANNEL	51.0	51.0	51.0	50.0	4-09	700	3.50	50
BREWERTON ANGLE	49.0	50.0	50.0	49.0	1-09	700-1460	1.10	50
FORT MCHENRY CHANNEL	50.0	50.0	50.0	50.0	3-10	700	4.22	50
CURTIS BAY CHANNEL	49.0	49.0	50.0	50.0	11-09	400-1275	2.25	50
BREWERTON CHANNEL								
EASTERN EXTENSION	35.0	35.0	35.0	35.0	1-10	600	6.33	35
SWAN POINT CHANNEL	35.0	35.0	35.0	35.0	6-09	600	3.13	35
TOLCHESTER CHANNEL	31.0	35.0	36.0	35.0	6-09	450-600	10.87 **	35

* ALL DEPTHS REPORTED TO NEAREST FOOT.
** THE LAST 1.88 NM OVERLAPS WITH THE CHESAPEAKE AND DELAWARE CANAL CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14975 NM 45/10

DULUTH HARBOR

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2010

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)
DULUTH ENTRY	A	A	A	A				
1	25.7	30.3	31.5	29.8	7-2009	245-1000	.13	32
2	27.5	33.4	33.8	30.0	7-2009	245	.08	31
3	30.3	32.5	31.8	30.4	7-2009	245	.07	30
4	31.8	31.5	31.5	31.0	7-2009	245	.07	29
5	25.6	31.7	32.3	24.1	7-2010	245-480	.07	28
DULUTH HARBOR BASIN								
NORTHERN SECTION	25.3	27.7	28.1	24.9	7-2010	1100-2700	.64	28
SOUTHERN SECTION	24.3	25.6	26.2	22.1	7-2009; 7-2010	1200-2700	.91	27
EAST GATE BASIN (NORTH)	25.8	26.6	25.8	23.3	7, 9-2009	1500-3300	.33	27
WEST GATE BASIN	24.7	28.2	27.2	23.6	9-2009	400-850	.66	27
HOWARDS BAY	20.1	23.1	24.5	23.3	9-2009; 7-2010	100-750	.99	27
NORTH CHANNEL								
EASTERN SECTION	18.4	19.8	21.6	B14.7	6-2004; 9-2009	400	1.66	27
WESTERN SECTION	15.4	21.0	20.6	19.8	6-2004; 7-2009	400	.59	21
21ST AVE WEST CHANNEL	7.8	14.4	20.1	19.4	6-1998	200	.33	20
SOUTH CHANNEL								
EASTERN SECTION	20.4	22.5	23.8	25.0	9-2009	400-800	.74	27
WESTERN SECTION	21.8	22.5	22.9	22.2	7-2009	400	.83	23
CROSS CHANNEL	22.2	27.7	29.9	18.7	9-2009	1300	.33	27
UPPER CHANNEL	17.6	23.9	21.5	18.5	7-2009	500	1.00	23
MINNESOTA CHANNEL								
EASTERN SECTION	16.1	21.5	22.7	C19.1	7, 8-2009	600	.95	23
WESTERN SECTION	D13.4	14.6	10.6	E10.3	8-2009	200	2.39	20

A. CHANNEL DIVIDED INTO QUARTERS WHEN ENTERING FROM LAKE.
B. SHOALING TO UNKNOWN DEPTH BEHIND THE 12 FT CURVE FROM 46°45'02.5"N - 92°06'08.8"W TO 46°45'07.2"N - 92°06'18.6"W
C. SHOALING TO 9.6 FT IN THE OUTSIDE HALF OF THE QUARTER FOR THE NORTHERN 600 FT OF THE REACH.
D. SHOALING TO 5.3 FT IN THE OUTSIDE HALF OF THE QUARTER
E. SHOALING TO 5.7 FT IN THE OUTSIDE HALF OF THE QUARTER.

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

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/09 THROUGH NM 45/10

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.
11	2	8,23,33,47/09
12	1	23,29,33,34,45,47/09
13	1	23,29,33,34,45,47/09
20	3	4/09;7,36/10
21	4	18,46,48/09;7,16,36/10
22	1	4,46,48/09;7,16,36/10
50	6	6,22,23,26,28,29,34,35, 36,37,39,40,41/09;4,5,7, 11,12,22,26,40,45/10
51	1	6,13,22,28,34,35,39,40, 41/09;21,22,31,36/10
52	1	37,38,47/09;7,18/10
53	2	4,22,32,34,35,38,39,40, 41,47,50/09;7,18/10
62	3	41/09;23,26,36/10
70	4	18/09;4,7/10
71	4	24,46/09
72	4	23,24/09;7/10
73	4	18,24,46/09;4,7/10
105	4	46/09
107	3	47,49/09;29/10
108	9	8,23,24,26,30,33,34,38, 46,47/09;3/10
109	5	8,30/09
111	3	45/09
120	6	8,23,29,33,34,45,46,47, 49/09;3/10
124	10	23,29,33,34,45,46,47, 49/09;3/10
145	16	8,23,29,34,41,45,46, 49/09;3,4,5,7,12,13,21, 26/10
200	3	4,48/09;7,36,45/10
201	2	4/09;32/10
202	2	32/10
203	2	6/09;36/10
204	4	16,36/10
211	5	4,46,48/09;7,36,45/10
301	1	4,16,37,39/09
302	1	4,30,39/09
310	20	4,37,39/09
400	3	4,23,24,26,28,29,33,34, 45,46,47,49,51/09;3,6, 42/10
401	5	16,24,28,33,34,47/09;6, 42/10
402	4	4,16,23,29,47,49,51/09; 3/10
411	52	3,4,5,8,10,14,16,24,25, 28,32,33,34,41,45,52/09; 6,11,29,41,42,43/10
500	8	26,32,36,37/09;3,28/10
501	13	35*,36,47/09;5,10,11,12, 14,21,26,36,39,40/10
502	2	13,26,27,43/09;4,10,21, 34,36/10
503	4	41,43/09;10,13,21,29/10
504	4	6,16,22,27,28,29,34,35, 38,39,40/09;22/10
505	2	14,21/09
506	2	37,47/09;18/10
507	2	37,47/09;7,18,38/10
508	2	38/09;7,38,40/10
509	4	23,29,38/09;18,19/10
510	3	23,29,37,38,47/09
511	4	23,24/09;18/10
513	7	4,41,50/09;7,45/10
514	7	22/10
520	127	6,13,22,23,26,27,28,32, 34,35,36,37,39,40/09;3,4, 5,11,12,22,24,26,40/10
521	11	4,22,27,34,35,38,39,40, 41,50/09;7/10
522	87	24,29,37,38,47/09;18,34, 38,40/10
523	8	4,6,22,24,27,28,29,32,34, 35,37,38,39,40,41,47, 50/09;7,18/10
524	12	29,37,38,47/09;7,18,34, 38,40/10
525	3	37,38,47/09;18/10
526	10	6,20,22,28,29,33,34,35, 37,38,39,40,47/09;7,18, 22/10
530	32	4,6,11,21,22,23,26,27,28, 29,30,32,34,35,36,37,38, 39,40,41,42,46,50/09;1,3, 5,7,9,10,11,12,26,38,40, 45/10
531	24	4,5,8,23,24,26,32,36,37, 43,47/09;2,3,5,6,9,15, 28/10
532	17	32,41,50/09;7/10
540	19	6,16,22,27,28,29,30,34, 35,39,40,41,42,45,46, 52/09;1,6,12,22,23/10
541	2	6,20,28,29,35,45/09;18, 22/10
550	7	28/09;34,37,38,40/10
600	5	13/09;7/10
601	4	13/09;4,7/10
602	6	8,18,28,29,33/09;7,43/10
603	6	7/10
604	5	8/09;7/10
605	4	8,15,20,35/09;7/10
606	1	20,35,48/09;7/10
607	1	14,48/09;7/10
608	2	8,10,15,48/09;6,26,30, 34/10
609	2	7,48/09;36/10
622	9	8,13,17,20,28,29,33, 35/09;7/10
623	9	29,33/09;7/10
624	3	7/10
625	4	48/09
632	8	7/10
700	4	18/09;7/10
702	5	47/09;4,7/10
703	4	24/09
704	1	38/09
705	3	24,38,47/09;1/10
706	4	24,46/09;1/10
707	2	24,46/09;4,7/10
708	3	18/09;7,33/10
709	2	33,39/10
800	4	17,31,41/09
803	1	17,26,31,32,36,37,41, 45/09;7,24/10
805		N17/09
1113A		10*,13,14/10
1114A		7,8,22,24,30,41,45/09;8, 10,11,32/10
1115A		3*,4,5,10,12,13,15,16,25, 31,32,33,34,35,38,40,41, 42,43,45,49,50/09;2,5,7, 9,11,14,16,19,23,26,27, 28,29,30,31,32,36,41/10
1116A		40*,41,42,43,45,48,49, 50,51/09;1,2,4,6,9,11,14, 16,17,19,26,27,28,29,30, 31,34,36,37,38,40,41, 42/10
1117A		2,4,5,6,8,14,15,16,23,25, 32,38,41,43/09;4,6,9,14, 16,28,29,37,38/10
11004	8	4,8,9,10,15,16,17,22,23, 24,25,27,28,29,30,31,32, 33,34,35,36,41,42,43, 51/09;1,4,6,9,11,14,16, 37,40,42/10
11006	33	17*,24,25,26,28,31,32, 34,35,38,40,41,43,45,49, 52/09;7,9,16,19,27,28,29, 30,32,40,41,42/10
11009	38	3,10,22,24,26,33,38,45, 46,47,52/09;14,31,41, 45/10
11013	47	8,16,22,24,27,28,31,32, 40,45,51,52/09;14,37/10
11299	1	N23,N38,N45/09;N15, N16,N36/10
11300	42	2,4,5,6,8,14,15,16,23,25, 32,38,41,43/09;4,6,9,14, 16,28,29,37,38/10
11301	25	4,15,17,22,23,35,38/09;9, 15,16,19,33,36/10
11302	32	15,22,23,35,38/09;9,15, 16,33,36/10
11304	13	19/10
11305	2	N4,N23,N32,N38,N42, N45/09;N1,N2,N15, N36/10
11306	21	19/10
11307	38	3*,9,28/10
11308	24	4,32,42,43/09;1,2,33, 36/10
11309	40	27*,33,36/10
11310	2	N23,N38,N45/09;N11, N15,N16,N36/10
11311	24	23,38,45/09;15,34,36/10
11312	5	34*,38,42,45/09;1,2,15, 16,36/10
11313	23	8,10,38,41,42,43/09;2,12, 24,26/10
11314	25	3/09*
11316	41	9,23,38,42,45/09;9,11,14, 15,16,24,26,29,36/10
11317	32	19*,38,45/09;14,15,16, 24,29,36/10
11318	2	N4,N23,N32,N38,N42, N43,N45/09;N1,N2,N15, N36/10
11319	33	9/09;14,29/10
11320	1	N38/09
11321	30	16,27/09;9,26,32,37/10
11322	32	3*,6,23,25,38/09;15,17, 24,26,29,36/10
11323	63	3*,6,12,14,15,25,31,36, 40/10
11324	36	11*,23,24,25,27,29,34, 38,41,45,49/09;2,14,15, 16,19,25,28,29,31,36, 40/10
11325	39	6,23,25,38,45/09;6,15,16, 25,36/10
11326	36	2,4,5,6,9,10,11,23,24,25, 27,29,34,38,41,45,49/09; 2,14,16,25,28,29,31,38, 40/10
11327	34	14*,23,38,45/09;15,16, 19,25,36/10
11328	25	23,38,45/09;15,16,19,25, 36,38/10
11329	38	6,23,38,45/09;15,16,27, 36,38/10
11330	20	3*,6,9,11,14,16,17,28,29, 30,31,37,38/10
11331	21	11*,22,27,30,41,49/09;6, 14,34,40/10
11332	31	27*,31,36,38,41/10
11333	1	N38/09
11339	3	17*,28,33,40/10
11340	74	40*,41,42,43,45,48,49, 50,51/09;1,2,4,6,9,11,14, 16,17,19,26,27,28,29,30, 31,34,36,37,38,40,41, 42/10
11341	42	2,5,11,15,23,27,33,35,38, 42,49,50/09;11,14,15,24, 31,33,36,38,41/10
11342	53	4,6,11,14,22,23,25,27,30, 38,41,45,49/09;5,6,11,14, 15,16,19,24,36,37/10
11343	38	8,22,23,25,27,30,38,41, 45,49/09;14,15,16,19,24, 34,36/10
11344	38	5,7,22,31,33,34,35,41,49, 50/09;2,9,17,19,28,33,34, 37/10
11345	34	31,35,50/09;19,25/10
11346	2	34*,40,41,43,48,49/09;2, 4,11,12,22,28,30,31,33, 36,37,38/10
11347	38	7,22,31,33,36,38,43,50, 51/09;2,9,28,33,40/10
11348	22	31,51/09;9,28,33,40/10
11349	43	9,24,31,35,42,45,50/09; 14,16,19,25,30,40/10
11350	27	35,45/09;19,30/10
11351	42	12*,19,29/10
11352	41	10*,11,22,30,31/10
11353	5	3,9,13,14,15,16,22,24,28, 31,32,33,35,49/09;1,3,4, 6,7,11,14,16,22,25,28,34, 40,41/10
11356	38	2,7,8,10,15,25,42,49/09; 9,11,17,19,27,34,37,40, 42/10
11357	40	31*,35,36,41,43,48, 49/09;3,4,11,12,28,30,37, 38,40,42/10
11358	56	41/10*
11359	14	9*,22,40/10
11360	43	3*,4,5,10,12,13,15,16,25, 31,32,33,34,35,38,40,41, 42,43,45,49,50/09;2,5,7, 9,11,14,16,19,23,26,27, 28,29,30,31,32,36,41/10
11361	75	40*,41,50/09;2,14,16,22, 28,30,40,41/10
11362	5	N4,N5,N10,N12,N13, N15,N16,N25,N31,N32, N33,N34,N35,N38,N40, N41,N42,N43,N45,N49, N50/09;N2,N5,N7,N9, N11,N14,N16,N19,N23, N27,N28,N29,N30,N31, N32,N36,N41/10
11363	42	42/09*;1,2,3,4,6,11,14, 16,22,25,28,34,40,41/10
11364	43	42*,50/09;3,17,30,34, 42/10
11365	22	9*,11,28,30,31,36/10
11366	13	18*,19,22,23,26,29,30, 31,34,36,38,40,41/10
11367	36	24*,37,40/10
11368	24	12,13,30,31,43/09;3,37, 40/10
11369	47	46/09*;3/10
11370	27	3*,4,8,14,21,34,41,45,48, 49/09;5,9,12,14,16,17,19, 22,27,32,33,41/10
11371	39	27*,37/10
11372	34	12*,16,17/10
11373	48	4*,6,9,15,16,17,19,22,26, 33,37,40/10
11374	35	44*,48,50/09;2,6,9,15,16, 22,26,33,40/10
11375	37	31*,33,40/10
11376	54	4*,5,9,11,13,14,17,19,28, 33,34,36,37,41/10
11377	9	31*,37,41/10
11378	37	31*,37,41/10
11380	2	23*,37,41/10
11382	41	31*,32/10
11383	51	8,22,23,25,30,38,40,43, 45,48/09;2,12,13,16,17, 20,22,24/10
11384	35	23,38,40,43,45,48/09;2, 12,13,16,20,24/10
11388	17	10,31/09;27,28/10
11389	33	9,21,25,28,38,42,43, 45/09;2,13,19,24,26,32, 34/10
11390	24	9,21,28,30,35,45,50/09;2, 24,32,34/10
11391	24	9,21,28,30,35,43,45, 50/09;2,24,32,34/10
11392	7	9,45,50/09
11393	21	45/09;13,19,26/10
11400	36	7,8,22,24,30,41,45/09;8, 10,11,32/10
11401	30	22,45,48/09;32/10
11402	21	48/09;32/10
11404	23	22,43,48/09
11405	29	10/10
11409	29	37/10
11411	17	5,8,10,33/10
11412	44	9,14,16,30,39,41/09;5,6, 8,10,21/10
11415	8	14,24,30,41/09;5,6,21, 33/10
11416	10	3,8,14,16,34,39,41,46/09; 3,6,13,33/10
11420	29	10*,13,14/10
11423	8	N7,N16,N24,N29,N31, N33,N40,N46,N51, N52/09;N2,N5,N13, N14/10
11424	19	7,16,25,26,29,33,36, 46/09
11425	38	40/10*

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/09 THROUGH NM 45/10

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.
11426	38	17/09*;2,5,13,14/10
11427	34	37,41/09;5/10
11429	22	11/09;21/10
11430	27	17*,30/09
11431	13	21/10
11434	28	31,40,52/09
11435	14	N31,N40,N52/09
11439	26	31,45,52/09;20,32/10
11441	41	15,40/09;8,20,32,41, 45/10
11442	35	40/09;32,41,45/10
11446	32	15/09;41,45/10
11447	37	7/09*;8/10
11450	10	14/10
11451	34	52/09*;13,14,23,27, 36/10
11460	42	47/09*;2,14/10
11461	5	23,37,40,51/09
11462	25	18/10*
11464	17	14/10
11465	38	11,15,27,30,32,39/09;13, 23,25,36/10
11466	38	5,11,27,30,31,32,34,39, 40,49/09;2,5,13,25/10
11467	41	11,15,27,30,31,32,39, 40/09;2,3,4,6,11,23,27, 36/10
11468	42	15*,23,25,27,36/10
11469	8	12,27,30,31,39/09
11470	38	27,32/09;2,3,4,6,11/10
11471	1	N27/09
11472	34	37*,41,46,49/09;5,7,8,25, 41/10
11473	1	N27,N30,N31/09;N36/10
11474	10	8,29/09;7,14/10
11475	19	31*,46,49/09;7,8/10
11476	22	15/10*
11477	6	N18,N25,N27,N28,N32, N45,N48/09;N6,N7,N20, 32,N34/10
11478	22	35*,45/10
11479	5	N8,N18,N22,N24,N25, N27,N28,N30,N31, N45/09;N2,N14/10
11480	40	15,24,25,30,32,34,45/09; 5,7,40/10
11481	7	46*,48/09;6,7,20,21,32, 34,45/10
11482	1	N27/09;N3,N4,N6, N11/10
11484	23	15,25,27,28,32/09;6/10
11485	36	37/10*
11486	15	32/09
11488	26	34/09;5,32/10
11489	38	11*,16,23,35,48/09;7,13, 14,36,42/10
11490	19	23,34,46/09;16,23,32,36, 37/10
11491	37	26*,36,37/10
11493	10	N48/09*;N8,N16,N32, N45/10
11494	9	N5*,N7,N16,N32, N45/10
11496	10	N3,N15,N24,N25,N30, N33,N34,N45/09;N5,N7, N16,N40/10
11502	31	11,16,30/09;5,14,20/10
11503	42	7,11,15,16,48/09;7,16,32, 45/10
11504	17	35/09;14,20/10
11505	3	9,18,30,41,43,46/09;1,7, 8,13,23,25,37/10
11506	44	22*,39,46/09;1,13,14,16, 20,21,25,34,35,40,42, 43/10
11507	33	16,37/09
11509	31	5,16,35,37/09;32/10
11510	20	16/09
11511	17	5,35,37/09
11512	62	15*,23,25,32,37/10
11513	25	8/09;7,22/10
11514	30	3,9,18,30,41,43,46/09;1, 8,13,23,25,32,37/10
11516	31	23/09;22,34/10
11517	18	8/09
11518	37	12*,34,35,45/10
11520	43	3,21,24,25,42/09;16,40, 45/10
11521	29	15,23,28,41,43/09;5,14, 20,21,34,37,45/10
11522	21	23/10*
11523	24	15,23,39,41,43/09;5,14, 20,34,37/10
11524	52	12*,14,16,20,23,27,34, 35,37,45/10
11525	7	N3,N5,N10,N21,N24, N25,N33,N42,N46/09; N16,N40,N45/10
11527	17	39/09;7,23,27,33,37/10
11531	22	16/10
11532	21	13,15,18,36/09;7,8,14,16, 17,27,37/10
11534	36	42*,47/09;7,8,14,27,37, 41,45/10
11535	12	27/09;16/10
11536	19	44/10*
11537	38	9*,17,20,21,26,27,39,40, 47/09;7,14,22,32/10
11539	19	44/10*
11541	39	19*,31,45/10
11542	17	12,21/09
11543	23	12,21,25/09;31/10
11544	39	31/10
11545	63	3,8,10,11,14,25,26,30,36, 43/09;7,14,31,32/10
11547	37	3,8,10,14,25,26,36,43/09; 7,14,31,32/10
11548	40	5,24,47/09
11550	29	5,24/09
11552	20	3,6/09
11553	29	47/09
11555	40	5,25,42/09
12200	49	5,6,7,8,18,31,37,42,48, 49/09;1,2,31,44,45/10
12201	26	N5,N6,N7,N8,N9,N10, N13,N18,N31,N36,N37, N42,N48,N49/09;N1,N2, N31,N44,N45/10
12204	37	2,9,31/09;45/10
12205	32	9*,12,19,27,45/10
12206	33	26,31,42/09
12207	22	1/10*
12208	14	44*,49,51/09;12,19, 40/10
12210	38	13,21,26,37,39,42,48/09; 2,31/10
12211	43	5,7,8,9,10,13,15,17,21, 26,27,36,39,42,48/09;2, 31,44/10
12214	48	17,37,39,48,49/09;15, 41/10
12216	28	8,39/09;15,41/10
12221	80	9*,22,24,29,32,36,37,38, 39,49,51/09;12,19,27,30, 33,40/10
12222	52	44*,51/09;12,19,27,29, 33,35,44/10
12224	24	3,8,22,24,37,40/09
12225	59	9*,11,19,20,36,38,41, 44/10
12226	18	39*,42,50/09;7,11,19, 41/10
12228	32	7,27,40,42,44,50,52/09;2, 4,7,11,14,20,36,38,41, 44/10
12230	64	17*,27,41,44,49,50, 52/09;2,11,29,33,36,38, 44/10
12231	28	44/09*;29,38,44/10
12233	37	7,8,11,18,41,50/09;2,11, 33,36,38,44/10
12235	32	5,9,20,25,36,37,38,42,44, 49,50/09;2,4,7,14,20,38, 41/10
12237	27	2,5,47/09
12238	40	31*,37/09;12,30/10
12241	22	20,38/09;30/10
12243	14	3*,31/10
12244	13	20,43/09
12245	67	8,12,24,25,32,39/09;29, 35,44/10
12248	42	6,7,9,47/09;14,17,37, 38/10
12251	23	6,18,32,47/09;10,14, 19/10
12252	24	2,14,35,52/09;19/10
12253	46	5,8,9,11,12,13,24,26,31, 42/09;27,29,35/10
12254	48	17*,29,32/09;19,27, 33/10
12255	17	29/09;33/10
12256	16	14*,29,32/09;19,33/10
12261	29	20/09
12263	55	2,4,7,8,12,32/09;1,4,6,14, 30,38/10
12264	30	13,15,20/09;4,19,29, 38/10
12266	30	10*,30/10
12268	11	34/10*
12270	34	2,4,7,12,13,25/09;1,14, 38/10
12272	31	36,51/09;23/10
12273	57	5,18,26,35,41,51/09;15, 23,32,45/10
12274	35	5,26,41/09;23/10
12277	35	40/10*
12278	76	5,9,18,26,35,51/09;15,23, 32,38,45/10
12280	9	31*,32,36,37,39,41,42, 44,49,50,51,52/09;1,2,4, 6,7,11,12,14,19,23,29,36, 38,40,41,44/10
12281	52	3,9,26,35,38,51/09;3,4, 27,33,38,40,41,43/10
12282	35	2,7,12,13,18,25,35,51/09; 1,38/10
12283	26	2,7,12,13,25/09;1/10
12284	16	35/09*
12285	40	24*,33,36,43,44/10
12286	30	11,24/09;43/10
12287	18	46/09*;43/10
12288	20	11,15,41/09;2,15,43/10
12289	49	22,25/09;1,2,15/10
12300	48	31*,42/10
12301	22	N5,N6,N8,N11,N13, N14,N18,N19,N21,N24, N25,N26,N29,N30,N32, N37,N39,N45/09;N1,N4, N19,N39,N42/10
12304	45	39/09
12311	45	7*,9,15,18,29,32,36, 47/09;3,11,14,29,31, 32/10
12312	55	39*,48,51/09;1,11,26, 38/10
12313	52	7*,14,24,35,48,51/09;26, 38/10
12314	32	8,35,37/09;7,10,11,19,36, 43/10
12316	34	24,25/09;21/10
12317	32	24/09
12318	45	23/10*
12323	25	3*,8,25,37,48/09;21/10
12324	34	44/09*;3,4,5,19,43/10
12325	4	43/10
12326	51	23*,45/09;22,30,42/10
12327	103	9*,12,13,19,20,21,22,23, 29,39,40,43,44,45/10
12331	32	12*,20/10
12332	22	10,19,20/09;5,11/10
12333	36	4*,19,39,42/10
12334	70	35*,39,44,52/09;5,12,13, 23,39,44,45/10
12335	44	19*,29,40/10
12337	23	8,30,38,43,44/09;11,12, 39,42/10
12339	46	35/09;5/10
12341	27	35/09*;29,39/10
12342	23	6/09
12343	19	6,22,31/09;6,30,36,39, 41/10
12345	10	6/09;41/10
12346	11	6/09;30,32,36,39/10
12347	31	35*,39/10
12348	34	32/10*
12350	59	40,41/09;42/10
12352	32	30/10
12354	43	43/10*
12358	20	9,10,18,21,22/09;10,18, 23/10
12362	17	38/10*
12363	41	15*,27,43/10
12364	38	14,15,29,36,49/09;5,27, 33/10
12365	26	11/09;33/10
12366	29	29/09;33/10
12367	24	11,14,15,49/09
12368	27	11,36/09;27/10
12369	26	5/10
12371	24	11,13/09;5,43/10
12372	34	2,9,11,14,15,19,21,38, 44/09;5,10,22,32,42, 43/10
12401	10	1*,3,4,5,22,43/10
12402	11	31*,49/09;22/10
13000	1	N6,N8,NP15,N23,N26, N27,N32,N33/09
13003	50	28*,30,43,44,45/10
13006	35	23*,27,29,30,33,39,40, 45/09;1,4,13,19,30,31,39, 43/10
13009	35	44/10*
13200	37	23*,29,33,40/09;13,31, 42/10
13201	11	N2,N5,N6,N9,N12, NP15,N19,N23,N26, N29,N32,N33,N40/09; N10,N13,N42/10
13203	13	23/09*
13204	12	6/09
13205	38	5,10,14,21,30,38,39,42, 44,46/09;4,6,10,12,18,22, 23,32,39,40,42,44/10
13209	25	9,10,14,21,22/09;10,12, 18/10
13212	39	32*,42/10
13213	41	2,9,15,19,38,44/09;10,22, 32,42/10
13214	28	22,32/10
13215	19	9*,23,39,40,44/10
13216	1	N22/10
13217	15	42,46,47/09;23,40/10
13218	41	47/09*;1,4,6,19,20,21,23, 39,40,44/10
13219	12	6,40,44/10
13221	58	28*,29,39/10
13223	41	35*,43/09;29/10
13224	39	39/09*;7,29,41/10
13225	34	4/10*
13226	6	19,30/09;5,29,39/10
13227	14	5,39/10
13228	12	3/10*
13229	30	3,6,8,11,13,20,22,41,46, 50/09;3,12,13,21,39,40, 41,45/10
13230	50	40/10*
13232	5	1*,21,41,45/10
13233	18	13,14,20,50/09;3,39,40, 42/10
13235	6	20,50/09;3,12,13,37/10
13236	30	6,41,46/09;39/10
13237	40	11,14,15,19,20/09;5,20, 40,42,45/10
13238	16	14,20/09;40,42/10
13241	16	15/09;20/10
13246	38	2,26,29,30,33,41,46/09;2, 12,19,39/10
13249	13	2,41/09;12,19/10
13250	8	2,41/09;39/10
13251	15	41/09
13253	20	35/10*
13260	40	8,9,12,26,27,30,32,33,40, 41/09;13,30,43/10
13263	8	N8,N9,N12,N26,N27, N30,N32,N33,N40, N41/09;N13,N30,N43/10
13267	34	9,12,19,33,35,40,41/09;2, 12,13,27,33/10
13269	10	9/09;2/10
13270	63	9,23,30,35,43/09;2,18,32, 33,39/10
13272	50	5,6,8,23,30,33,35,37, 38/09;5,32,39/10
13274	27	9,19,25,30,33,35,47/09;2, 11,27,33,40,41/10
13275	31	9,20,33,35/09;2,11,27,33, 40/10

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/09 THROUGH NM 45/10

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.
13276	22	20/09;19,40/10
13278	27	47*,52/09;41/10
13279	33	39/09*
13282	12	46/09*
13283	20	11,33,47,52/09;20,41/10
13285	11	12,47/09;19,20/10
13286	30	15,41,47,52/09;18/10
13287	12	15/09
13288	43	35/10*
13290	39	35/10*
13292	40	35/10*
13293	34	11,30,36,42/09;19,39/10
13295	11	11,36/09
13296	25	30,36,42/09;19,39/10
13298	10	19/10
13301	20	23/09
13302	22	5,41,45/09;24,40/10
13303	12	41/09
13305	28	20/09;24,40/10
13307	10	20/09;24,40/10
13309	29	44/10*
13312	22	22/10
13313	20	21/09;22/10
13316	22	21/09
13318	18	21,45/09;22/10
13321	9	45/09;22/10
13392	2	11/09
13394	3	22/10
13396	5	28/10*
13398	3	11,43/09;22/10
14000		N20/09
14001		N2,N8,N18,N20/09
14003	6	5,6,7,8,P15,23,26,27,29, 33/09;43/10
14004		N18,N20,N22/09
14006		N12/10**
14007		N11,N18,N20/09
14011		N22/09
14012		N18,N20/09
14013		N2/09
14016		N8,N18/09
14019		N2,N8,N18,N20/09
14021	1	N8/09
14024	5	18,19/09
14028		N4,N8,N20/09
14030		N8,N20/09
14031		N20/09
14034		N27/09**
14038		N27/09**
14047	1	N13/09*
14055	2	N27/09**
14056	1	N27/09**
14057	2	N27/09**
14058		N2/09
14061	27	11/09
14063	1	N27/09**
14069	1	N27/09**
14071	1	N27/09**
14074	1	N27/09**
14081	21	27/09**
14082	1	N27/09**
14092	1	N27/09**
14094	1	N27/09**
14095	1	N27/09**
14096	1	N6/09*
14130	2	27/09**
14135	2	6/09**
14164		N28/09**
14167	1	N20/09
14168	1	N23/09*
14169	2	28/09**
14174		N2,N11,N18,N19/09
14175		N28/09**
14176		N28/09**
14177		N28/09**
14178		N28/09**
14184		N11,N19/09
14190	2	6/09**
14191		N28/09**
14214	1	N30/09*
14217		N30/09
14224		N28/09**
14229		N28/09**
14247		N28/09**
14248		N28/09**
14249		N18/09
14250		N28/09**
14251		N28/09**
14254	1	N6,N22/09
14320	1	N29/09**
14321	19	8/09**
14322	4	6/09**
14323	1	N29/09**
14324	1	N11/10*
14325	13	29/09**
14327	8	29/09**
14328	6	29/09**
14329	5	29/09**
14334	1	N9*,N22/09
14336	1	N11/10*
14337	1	N29/09**
14339	1	N10/09*
14340	25	9/09**
14341	5	29/09**
14342	20	11/10**
14343	1	N12/10*
14344	2	24/09**
14345	5	29/09**
14348	1	N12/10*
14349	7	10/09**
14350	12	12/10**
14351	11	12/10**
14353	3	29/09**
14354	2	29/09**
14355	3	29/09**
14357	1	N29/09**
14358		N29/09**
14359	1	N25/09*
14360	36	12/10**
14362	1	N12/10*
14364	6	25/09**
14366	1	25/09**
14369	1	N29/09**
14372	2	29/09**
14373	2	12/10**
14377	1	N12/10*
14380	19	19/09
14382	4	29/09**
14383	3	29/09**
14385	4	29/09**
14386	3	29/09**
14402	2	30/09**
14403	5	30/09**
14404	4	30/09**
14415	4	12/10**
14427		N10/09**
14756		N30/09
14760		N30/09
14775	1	N14/09*
14776	1	N6/09*
14786	14	7*,30/09;45/10
14800	10	24/09;45/10
14803	27	45/10
14804	24	24/09
14805	24	40/09
14809	1	N6/09*
14812	3	6/09**
14813	21	45/10
14815	23	24/09
14820	21	8,16,22/09;3,10/10
14824	26	48/09
14825	25	16,22/09
14826	27	6,8,22,24/09;3,8,10/10
14828	6	22/09
14829	6	8,16,22,24/09;3,10/10
14830	32	10,16,24,26,40/09;8,10, 11,33,35,37/10
14832	34	4,42,48/09;32/10
14833	26	4,42,48/09;32/10
14835	32	6/09;32/10
14836	27	48/09;15,37/10
14837	28	40/09
14839	37	1*,8,10/10
14841	29	7/09;8/10
14842	15	16,24,34,49/09;10,37/10
14843	23	2/09
14844	32	8,24,34,36/09
14845	27	10,36,49/09
14846	13	10,11,16,24,26,31,40/09; 10,11,33,35,37/10
14847	31	11,31/09;10,35/10
14848	58	9,11,25,29,32/09;10,33, 37,39/10
14850	53	4,8,14,16,17,29,32,36/09; 12,32/10
14852	46	4,14,16,17,29,36,37/09;5, 12,32/10
14853	17	4,8,9,11,12,16,17,24,25, 29,32,36,37/09;5,10,12, 32,33,38/10
14854	14	9,11,32/09;33,38/10
14860	36	30,40/09;8,32/10
14862	28	29,49/09;38/10
14863	31	24/09;8/10
14864	26	32/09;32,35/10
14865	16	17,29,37,49/09
14867	26	11,24,29,30,41/09;10, 32/10
14868	1	N10/09*
14869	26	32,36/10
14870	1	N30/09*
14871	2	41/09**
14874	2	30/09**
14875	2	30/09**
14876	1	N30/09**
14877	1	N8/09*
14878	1	N35/09*
14880	32	24,30,40/09;8,38,45/10
14881	33	27*,30,40/09;8,45/10
14882	35	45/10
14883	43	2,40,43/09
14884	39	6/09;10/10
14885	21	8/10
14901	15	4,6,12,13,14,16,17,24,25, 27,30,32,36/09;14,32,36, 37,45/10
14902	29	4,6,14,24,25,30,32,36/09; 32,36,38/10
14903	24	16/09;37/10
14904	26	2,6,12,16,32/09;10,16,36, 39/10
14905	31	3,6,13,17,22,24,27,31, 32/09;14,37,39,42,45/10
14906	24	9,16,32/09;3/10
14907	27	17/09*;32/10
14908	18	4,25/09;32,45/10
14909	20	24,32,36,44/09;32,42/10
14911	21	19,32,36/10
14912	17	14,24/09
14913	19	24/09
14915	25	25/09;32,42,45/10
14916	10	12,32/10
14917	24	2/09;19,42/10
14918	27	48/09;12,32/10
14919	28	37/09;14,32,42/10
14922	20	3*,8,16/09;17,35,37, 39/10
14924	28	16,24,48/09;38,42/10
14926	11	3,13,17,24,27,32/09;35, 39,42,45/10
14927	25	3,13,17,24,27/09;10, 35/10
14928	22	3,24,27/09;35,39/10
14929	24	13,17,27/09;35,42,45/10
14930	25	31,35/09;14,37,45/10
14932	23	9,10,29,42/09;3,35,37/10
14933	24	4,24,32,44/09;32/10
14934	29	16,27,34,49/09;37/10
14935	21	10/09
14937	24	16,37/09;42,45/10
14938	24	3,7,13,36/09;36/10
14942	26	3/10
14961	12	8,9,29,31,32,36,40,42, 43/09;10,42/10
14962	20	4,10,29/09;10/10
14963	20	4,40,43/09
14964	21	32,40,42,43/09;42/10
14965	21	9,12,13,31,35/09;37, 42/10
14966	27	15,29,31,36/09
14967	23	9,13/09;32/10
14968	28	12,40/09
14970	26	7,29/09;32,38/10
14972	26	33,43/09;17,39/10
14973	27	12,15,31,36/09;1/10
14974	24	2,29/09;1,39/10
14975	35	9,10,25/09;32,45/10
14976	18	40/09
15000	1	N23/09*
15001	1	N12/10*
15004	1	N12/10*
15005	1	N12/10*
15007	1	N19/09
15008	3	12/10**
15010	1	N31/09**
15016	1	N31/09**
15018	3	12/10**
15019	1	N31/09**
15020	5	12/10**
15021	1	N31/09**
15022	1	N31/09**
15024	1	N6/09*
15025	1	N31/09**
15031	1	N12/10*
15034	1	N31/09**
15035	1	N6*,N32/09
15036	1	N31/09**
15037	1	N31/09**
15043	3	31/09**
15046	4	31/09**
15064	1	31/09**
15067	2	13/09**
15068	2	6/09**
15069	4	24/09**
15070	3	6/09**
15074	1	31/09**
15081	4	31/09**
15083	6	31/09**
15140	7	12/10**
15300	1	N48/09*
15312	1	6/09**
15444		N32/09**
15445		N32/09**
15446	1	N32/09**
15449	1	N32/09**
15450		N32/09**
15484	1	N44/09*
15505		N32/09**
15520	1	N44/09*
15540		N39/09
15543	1	N35/09*
15561	1	N45/09
15568	1	N46/09*
15569	1	N23/09*
15570	1	N46/09*
15644	1	N32/09**
15661		N32/09**
15670		N11/10**
15672	1	N44/09*
15724	1	N27/09*
15750	1	N25/09*
15770	1	N25/09*
15785	1	N44/09*
15800	1	N7/09*
15822	1	N44/09*
15863		N3/10
15881		N25/09
15883		N32/09**
15884		N32/09**
15885	1	N32/09**
15900	1	N24/09*
15925		N32/09**
15926		N35,N38/09
15932		N32/09**
15937		N32/09**
15940		N38/09
15945		N35,N38/09
15948	1	N44/09*
15952		N46/09
15956	1	N7/09*
16003	17	27,28,31,41/09;22/10
16004	12	19/10
16005	10	27,28,31,41/09;22/10
16006	35	34,41,52/09;7,22/10
16011	37	34,41,43,52/09;3,7/10
16012	22	4,41/09;1,3,45/10
16013	30	3,4,27,36,37,41/09;3/10
16016	21	26,27,36,42/09;4,28/10
16041	8	38/09
16082	7	19/10
16123	6	4/09;40/10
16124	6	4/09;40/10
16200	14	41/09;22/10
16204	6	22/10
16220	5	41/09
16322	8	45/10
16323	9	41/09

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/09 THROUGH NM 45/10

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.
16363	12	29,34/10
16420	10	45/10
16421	10	45/10
16423	2	45/10
16431	7	45/10
16432	11	45/10
16471	12	1*,5/10
16475	9	5/10
16476	10	5/10
16500	10	14/09;7/10
16520	23	29,34,35,39,52/09;45/10
16522	6	52/09
16528	17	26,52/09;40/10
16529	15	12,26,38/09
16530	7	28/10*
16531	7	43,52/09;40,45/10
16532	6	45/10
16535	12	12,21/09;3/10
16540	12	7,9,11,18,34,35,41,43,44, 52/09;4,12,14,22,34/10
16547	9	41,43/09;28,30,37/10
16549	16	23*,30/10
16551	10	4,12,14,22/10
16553	6	18,44/09;34/10
16556	5	18/09;22,34/10
16570	11	20/09
16580	14	37/09;3/10
16595	15	25,34/10
16606	11	27/09
16640	24	27,41/09;17,18/10
16645	19	35*,45/10
16646	13	41/09;13,16,30/10
16647	3	27,41/09;13,16,17,18, 45/10
16660	30	11,12,30,51,52/09;1,2,22, 23,30/10
16662	8	12,30,51,52/09
16663	8	11,12,30,51,52/09;1,2,22, 23/10
16665	9	11,30,52/09;1,2,22,23/10
16680	11	27/09
16681	10	27/09
16682	17	27/09
16700	31	11*,23,52/09;3,22,29,30, 34/10
16701	22	4,21/09;22/10
16702	14	47/09*;34/10
16704	13	12/09
16706	10	7,34,50/09
16707	13	17/09*;45/10
16708	27	3*,4,11/09;40,45/10
16709	24	23/09;3,29,34,40/10
16713	4	40/10*
16760	10	3/10
16762	9	39/09
17003	4	23,26,47/09;2,4,5,6, 21/10
17005	10	23,25,31,35,40,43,44, 46/09;4,5,6,7,16,20, 31/10
17007	1	N27,N43,N47/09;N7, N15,N16/10
17300	31	18,34,35,42/09;7,13,15, 17,30,34/10
17302	18	18,21/09;7,15,45/10
17303	10	15/10
17311	1	42/09
17312	2	42/09;17/10
17313	9	31/09*
17314	12	42/09
17315	24	4,11,20,27,35,42/09;13, 45/10
17316	20	11,20,21,27,34,35,42/09; 30,45/10
17317	20	34/09;7,14,22,45/10
17318	7	19/09*;7,30/10
17320	18	8,18,20,28,37,42,52/09; 14,28,34/10
17323	12	42/09
17324	15	21,42/09;14/10
17325	9	52/09
17326	16	8,18,20,21,22,28/09;25, 30,34/10
17327	23	8,11,21,22/09;25,30/10
17328	7	8/09
17338	14	42/09
17339	12	18,25,42/09;17/10
17360	35	20,37/09;1,5,35,40/10
17372	11	1,3/10
17375	22	9/10*
17376	8	14/10
17378	14	5/10
17382	17	42,52/09;4,25/10
17383	3	42/09
17384	9	42/09;22/10
17385	17	4*,22,34,40/10
17387	13	5/10
17400	17	5,7,8,9,18,20,21,22,26, 29,30,37,42/09;1,2,4,5,7, 12,13,25,34/10
17402	11	37/09;5/10
17403	14	21/09
17404	14	5,9,18,29,30/09;2,25/10
17405	16	5,8,9,18,21,29,46/09;1,2, 3,5,7/10
17406	7	5,7,8,9,18,21,22,46/09;4, 12/10
17407	15	5,8,9,18,20/09
17411	1	N25,N43/09
17420	28	33,42/09;5,13,16,34/10
17421	1	16/10
17422	9	42/09
17424	9	1/10*
17425	6	16/10
17426	15	42/09
17428	10	21,22,43/09;24/10
17429	2	N43/09
17430	11	21,22,32,43/09;24/10
17432	7	42/09
17433	11	42/09
17436	9	42/09
17438	12	12/10**
17439	1	N12/10*
17440	1	N12/10*
17442	1	N27,N29/09;N13/10
17443	12	48/09;5,16/10
17445	2	12/10**
17446	1	N10/10
17447	1	N10/10
17450	1	N12/10*
17452	1	N34/09**
17454	1	N12*,N16/10
17456	1	N44/09*
17458	1	N13/09*
17460		N24,N27,N43,N44,N47, N51/09;N7/10
17464	4	12/10**
17467	3	22/09**
17468		N2,N16/10
17470		N2/10
17471		N7/10
17472	4	34/09**
17480	4	12/10**
17482	1	N7/09*;N15/10
17483		N5,N9/09;N15/10
17484	3	34/09**
17485	4	44/09**
17486	3	13/09**
17487	3	34/09**
17488	1	N12/10*
17489	19	12/10**
17491	3	34/09**
17493	1	N27/09;N4/10
17494	1	N34/09**
17496	1	N6/09*;N5/10
17498	1	N44/09*
17499	1	N48,N51/09;N25/10
17500	1	N2,N11/10
17501	1	N31/09
17502	1	N34/09**
17506		N51/09
17510	1	N31/10*
17511	1	N24,N34/09;N1,N19/10
17514	1	N25,N26,N37/09;N12, N19,N31/10
17515	7	6/09**
17517	8	44/09**
17520	2	N5/09;N4/10
17521		N31/09
17522	1	N44/09
17524		N27,N34,N35,N40/09; N5,N17/10
17525		N35/09;N4,N17/10
17528		N27/09
17541	3	34/09**
17542	6	25/09**
17545	13	34/09**
17546	22	31/10**
17549	6	34/09**
18000	8	13,26,27/09;4,7,10,11,12, 21,22,36,40,44/10
18002	7	N13,N26,N27,N30,N34, N37,N41,N46/09;N4,N7, N10,N11,N12,N21,N22, N36,N38,N40,N44/10
18003	20	5,8,21,22,25,30,39,44,46, 47,48/09;3,12,17,20,35, 36,40/10
18005	5	N6,N11,N22,N25,N28, N41,N42/09;N7,N8,N9, N10,N11,N21,N22,N36, N40,N43/10
18006	4	N25,N41/09;N7,N10, N21,N22,N36/10
18007	33	14*,16,21,23,25,34,42, 44,47,49/09;1,3,5,10,12, 17,20,23,24,31,39,40, 43/10
18008	8	N5,N11,N16,N21,N23, N25,N33,N42,N44,N47, N49/09;N5,N6,N10,N12, N17,N20,N21,N24,N31, N39,N40,N43/10
18009	3	N6,N11,N22,N28, N42/09;N8,N11,N12, N22,N43/10
18010	21	6,9,11,16,22,28,34,42,48, 51/09;8,10,11,12,20,22, 23,39,40,43/10
18020	38	6,11,26,27,28,34,37,42, 46/09;7,9,10,11,12,20,21, 22,32,36,37,38,40,41,43, 44/10
18022	35	6,9,10,11,16,24,25,26,28, 30,34,37,42,46/09;4,7,8, 9,11,12,20,21,22,24,25, 29,32,36,37,38,40,41,43, 44/10
18400	48	7*,14,15,19,20,22,23,25, 27,29,34,36,37,40,42,43, 47,48,49/09;7,12,15,29, 30,31,34,40,42/10
18404	2	N44/10*
18411		N35/09**
18419	11	31/09;3/10
18421	49	15,22,29,33,36,39,43,47, 49,51/09;2,7,20,26,29,30, 31,38,40,42/10
18422	1	N35/09**
18423	37	46*,47,48/09;1,2,5,7,14, 15,20,26,29,30,31,36,37, 38,40,41,42/10
18424	27	22,36,51/09;29,30,31, 36/10
18425	1	N35/09**
18426	1	N5,N17/10
18427	23	26/10
18428	9	22/09;5,36/10
18429	10	36,39,42,46/09;14/10
18430	9	40/10*
18431	7	47,48/09;40/10
18432	6	23,33/09;40,42/10
18433	6	46/09;2/10
18434	7	15,42,47/09;14,15,20,34, 38/10
18435	1	N11/10
18436	1	N33/09;N5,N17/10
18437	1	N33/09
18438	1	N35/09**
18439	1	N35/09**
18440	29	8,9,11,12,14,15,16,19,20, 22,24,26,28,33,40,41,42, 43,47,48/09;5,7,13,14,15, 20,22,23,24,25,28,29,35, 36,37,40,41/10
18441	46	9,11,14,15,16,18,20,22, 26,33,34,41,42,43,47,48, 52/09;5,13,15,19,20,25, 36,37,40,41,44/10
18442	1	N48/09;N2/10
18443	17	12*,41/10
18444	17	4*,5/10
18445	33	28*,30,33,40,41,42,47, 49,50,51/09;5,13,14,15, 18,20,22,23,24,25,28,29, 32,34,35,37,41,42,44, 45/10
18446	17	15,24,29,34,42/09;5,20, 25/10
18447	29	15,24,25,29,36,40/09;5, 41/10
18448	34	8,11,21,24,26,28,40,42, 47/09;13,14,22,23,24,28, 29,35,37,41/10
18449	18	14,16,20,21,27,33,47,50, 51/09;18,23,25,29,35/10
18450	18	14,27,33/09;18/10
18451	1	N19/09
18452	16	20,47/09;35/10
18453	26	35*,42/10
18454	5	N26,N42/09;N13,N14, N24,N28,N41/10
18455	2	N11/09
18456	20	8,21/09;29/10
18458	16	9,11,12/09;37,44/10
18459	5	N9,N11/09;N37,N44/10
18460	13	4,25,26,27,37,46/09;12, 29,31,34,40/10
18461	1	N19/09;N2,N42/10
18462	1	N46/09;N3,N7/10
18464	25	16,26,34,41/09;37/10
18465	38	14,19,20,39,42,43,46/09; 7,14,15,38,40/10
18466	1	N16/10
18467	2	N5,N10/10
18468	18	14,15/10
18471	11	16,19,20,26,34,41,42, 48/09;37,40/10
18473	8	15,22,24,34,41,42,48/09; 5,13,15,20,25,37,44/10
18474	8	9,11,12,14,16,20,24,27, 28,33,40,47,50,51/09;15, 18,22,23,24,25,28,29, 35/10
18476	5	9,11/09;13,25,27,34,37, 44/10
18477	5	41,48/09;13,37,44/10
18480	31	4,25,26,27,37,42,46/09; 12,19,29,31,34,36/10
18484	12	39/09
18485	16	25,39/09;12,29,34/10
18500	30	21,22,26,39/09;3,26/10
18502	86	3,22,23,28,32,47/09;3,25, 26,42/10
18504	66	8,40/09;26,36/10
18520	27	27*,30,47,48,49,50/09; 12,17,26/10
18521	74	40*,42,48,49,51,52/09; 16,18,26,27,37/10
18523	57	26*,28,29,31,32,33,37/10
18524	36	3,13,17,22,27,34,40,50, 52/09;15,16,21,26,27,29, 30,37/10
18525	36	22*,27,33,40,48,52/09; 13,16,22,27,36,37/10
18526	59	31*,40,48,52/09;7,13,16, 22,27,35,36,37/10
18527	22	8,11,24,30,48/09;13, 35/10
18528	11	8/09;7,15/10
18531	22	3,27,37,40,52/09;13,16, 27,41/10
18532	21	3,28,36/09;13,28/10
18554	8	32/10*
18556	25	23,50/09
18558	38	22,47,50/09;7,12,13, 37/10
18561	12	22,30/09;7/10
18580	22	5,26,30,43,47/09;7,35, 36/10
18581	18	16,21,22,23,30/09;3,7,29, 34/10
18583	39	21,43,47/09;34,35,36/10
18584	48	15,22,43/09;2,23,34, 35/10
18587	70	9,15,20,22,26,30,33/09;7, 12,13,22,23,37/10
18588	37	20,26/09;2,15,21,38/10

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/09 THROUGH NM 45/10

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.
18589	16	3,13,23,40/10
18600	14	19,48,51/09;10,20,40/10
18601	14	25/09;13/10
18602	12	16,19,48,51/09;15,26, 36/10
18603	16	19,36,41,47/09;10,31/10
18605	12	26/10
18620	23	8,16/09;7,11,12,23,26, 39/10
18622	55	35*,42/10
18623	11	16/09
18626	15	11/10
18628	8	11/10
18640	25	9,11,22,23,26,42/09; 43/10
18643	18	10/10*
18645	26	9,11,23,26,42/09;26,37, 43/10
18647	16	22/09*
18649	67	4*,8,11,20,24,25,26,27, 28,29,30,35,37,40,41, 43/10
18650	56	46*,47,50,51/09;1,7,8,20, 24,25,28,29,30,35,41/10
18651	44	23,33/09;7,24,42/10
18652	35	40*,47,48,50,51/09;1,7,8, 10,11,13,20,22,24,25,26, 27,29,31,32,35,37,40,41, 42/10
18653	11	1*,20,24,27,30,37,41/10
18654	44	21,24,27/09;1,24,27,30, 32,40,42/10
18655	59	21,27/09;1,30,42/10
18656	56	40/10*
18657	19	8,24/09;7,13,24,25,26,30, 35,37/10
18658	31	8,24/09;13,23,24,25,30, 35,37/10
18659	15	8,12,21/09;13,22,25,30, 35/10
18660	3	12/09;10,22/10
18661	30	19/09*;7,10,22,40/10
18662	22	26/09*;7/10
18663	6	22,40/10
18666	1	8,24/09;13,25,30,35/10
18680	31	5,9,11,14,22,23,26,28, 42/09;8,11,22,43/10
18685	33	5,9,14,22,24,31/09;8, 22/10
18700	22	5,10,25,41,44/09;10,12, 22,37/10
18703	25	5,7,10,44/09;12,24,32, 37/10
18704	13	37/10
18720	33	5,21,25,30,44,49/09;4,10, 11,12,16,20,22,44/10
18721	12	10*,12,20,22/10
18723	3	41,44/09
18724	2	19*,21,50/09
18725	29	8,21/09;8,11,22,31/10
18728	9	44/10
18730	2	N44/10
18740	42	5,15,16,17,21,24,30,34, 37,46,47/09;4,7,8,10,11, 12,16,20,22,24,25,26,29, 32,36,37,38,40,41,44/10
18741	19	N24,N26,N30,N34, N46/09;N4,N7,N8,N10, N12,N22,N25,N26,N29, N32,N36,N38,N41, N44/10
18744	33	44/10*
18746	38	3*,7,32,40/10
18748	1	5,13,16/09;10,24,28/10
18749	43	24*,32,39,40/10
18751	46	42/09*;11,37,39/10
18754	17	8,44/10
18756	8	17/10
18758	6	27,29,40/10
18760	7	N5,N24,N25,N26,N34, N37,N41,N46/09;N4,N7, N10,N12,N20,N22,N25, N32,N34,N36,N38,N40, N44/10
18761	3	N17,N24,N34/09;N7, N12/10
18762	16	10*,12,38,41/10
18763	10	17,24,34,46/09;7,12/10
18764	9	46/09;38,41/10
18765	16	21,24,30/09;7,10,22,25, 34,37,43,44/10
18766	7	24,30/09;4,7,10,22,25,26, 34,38,41/10
18768	5	N24,N30/09;N4,N7,N10, N22,N25,N26,N29,N34, N38,N41/10
18769	3	N17,N24,N34,N46/09; N7,N12,N26,N36,N38, N41,N44/10
18772	48	30/09;22,27,28,32,34,43, 44/10
18773	41	14,23,39/09;1,4,7,8,12, 16,25,27,28,32,35,37,43, 44/10
18774	11	21,46/09;8,29,31,32,36, 38,41,44/10
18775	3	N17,N24,N34,N46/09; N7,N12/10
19002	10	N6,N16,N24,N28,N29, N32,N41,N42,N46/09; N1,N6,N12,N15,N18, N23,N26,N45/10
19004	38	6,13,14,16,24,28,32,41, 42,46/09;1,6,12,15,18,23, 26,45/10
19007	18	6,16,22,27,28,30,34,35, 39,40,42,46,52/09;1,6,23, 36/10
19008	5	6,16,22,27,28,29,34,35, 39,40,42,46,52/09;1,6,16, 18,21,22,36/10
19010	19	6,13,14,16,24,28,41,42, 46/09;1,12,15,18,22,23, 26,45/10
19013	18	13,14,22,24,27,30,32,34, 35,39,40,41,42,46,52/09; 6,12,18,23,26,36,45/10
19016	12	16,22,27,30,34,35,40/09; 16/10
19019	11	30/09
19022	12	30/09
19320	17	16,24,25,41,42/09;1,12, 15,18,23,26,45/10
19324	22	30,40/10
19327	11	18,25,36,42/09;1/10
19330	11	18,36/09
19331	7	1/10
19339	2	N3,N13,N14,N24,N32, N41,N42,N43,N46,N48, N49/09;N6,N11,N12, N15,N16,N18,N23,N26, N45/10
19340	27	3,13,14,24,32,41,42,43, 46,48,49/09;6,11,12,15, 16,18,23,26,45/10
19342	11	15*,40/10
19347	18	13,24,41/09;16,18/10
19348	8	36/09;16,40/10
19350	11	49/09
19351	10	14,24,41/09;23/10
19353	13	18/10*
19357	24	3,32,41,43,46,48,49/09;3, 6,11,40/10
19358	21	36/09
19359	12	46/09;3/10
19360	1	N48/09;N6/10
19361	9	18/10*
19362	14	39*,43,48/09;6,11/10
19366	37	9,18,48/09;11/10
19367	39	26,28,33/09;40/10
19369	6	3,4,26,28,33,48/09;40/10
19379	2	N32,N41,N48/09;N6/10
19380	15	32,41,48/09;6/10
19381	9	11*,23,25,36/09;2,25/10
19382	16	18*,23,25/10
19383	17	23/09
19388	3	N27,N35,N39,N40/09
19401	9	31/09
19402	7	31/09
19421	8	31/09
19441	8	31/09
19442	6	31/09
19461	7	31/09
19480	9	31/09
19481	11	31/09
19482	9	31/09;40,45/10
19483	6	31/09
21005	5	13/09
21008	62	3,42/09
21011	5	8/09;6/10
21014	72	3,4,8,11,13,14/09;5,6/10
21017	50	4,5,8,13,14,46/09;5/10
21020	42	3,46/09;21/10
21021	3	3,4,6/09
21023	41	4,5,12/09;21/10
21026	47	4/09;29/10
21033	46	7,24,41,43/09;2,10,13, 16/10
21036	7	5,41/09;2,10,13/10
21100	29	8/09;6/10
21120	27	8,11,14/09;5,6,32/10
21121	18	8,14/09;6,43/10
21126	2	N19*,N34/10
21140	1	3,24,26/09;4,7,22,26, 34/10
21141	23	3/09
21180	1	13/09
21182	34	3,4/09
21200	1	8/09
21301	14	32/10*
21338	4	4,8/09
21342	28	3/09;30,43/10
21384	4	3,5/09;43/10
21401	21	30/10*
21441	27	4,12/09
21478	3	42/09
21483	1	16/09;39/10
21500	1	41/09;29/10
21510	1	4/09
21520	1	25,30/09;25/10
21521	15	25,30/09;16,25/10
21524	3	29/09
21526	5	N37/10*
21529	3	19/10*
21530	1	19/10*
21560	33	41/09
21563	3	26,30/09
21581	5	41/09
21584	2	41/09
21601	4	41/09
21602	2	41*,51/09
21603	10	41/09*
21604	26	50/09*;8/10
21661	12	5,13/09
22000	16	5,6,10,18/09;4/10
22004	38	8,10,14/09;15,16,23, 40/10
22008	35	8,14,15,16,30,35/09;6, 23/10
22012	31	8,9,10,14,25/09
22032	20	22/09;5/10
22036	28	5,34,36/10
22040	1	19,43/09;2,10/10
22050	4	6,7,24,28,42/09;2,5,15, 16,28/10
22051	19	18/09;10,22,23,24,36/10
22052	7	18,23/09;10,23,24,36/10
22054	1	20/09;22,24/10
22055	1	18/09;10,22,23,24/10
22080	3	6/09;8,15,16/10
22081	1	7/09;5,43/10
22082	5	10,16,30,42,43/10
22083	6	42/10
22084	4	5,17,49/09;15,16,40/10
22090	2	10,14,35,44/09;40/10
22100	3	28/09
22101	20	4/09
22102	19	17,27,46/09
22103	2	27,46/09
22109	3	27,28,46/09;8/10
22111	4	40/10
22112	3	20,28,40,41,44,52/09; 40/10
22113	8	6,9,18,29,40,41/09;8,14, 40/10
22114	5	40/09;40/10
22117	3	40/09
22120	3	8,10,14/09;23,45/10
22121	9	14/09;34/10
22124	2	10,14,24,35/09;5/10
22125	2	10,14,26/09
22126	1	14/09
22130	2	8,16,26/09;6,23,45/10
22138	3	10,16,35/09;6,24,37/10
22140	2	14,26,35/09;45/10
22142	2	8,10,14,35,42/09;5,45/10
22143	4	14,15/09
22160	2	15,26,30,35/09;6/10
22170	3	10,14,15,16,26,30,35/09; 6,7,8/10
22172	8	30,35/09;6,23,37,45/10
22173	36	15,26,30,35,42/09;6, 34/10
22180	2	25/09
22181	17	8,10,14,42/09;5,34/10
22182	7	8,10,14,31/09;7,23/10
22183	4	10/09
22190	2	8,14/09
22205	2	9/09;8/10
22221	20	9,52/09;8,45/10
22225	2	6,21/09
22233	30	N24/10*
22234	2	N19/10*
22250	2	21/09;23,30/10
22251	12	N32/10*
22252	19	N35/10*
22259	5	18/10
22262	3	35,39/10
22263	2	9,12,22/09
22264	3	9,12,22,48/09;18,26/10
22275	3	48/09;15,23,26,30,32/10
22281	10	23,30/10
22282	17	12,21/09
22285	1	12,21/09
22286	1	23,30/10
22290	4	7,9,48/09;8,26,27,35/10
22293	15	9,12,48/09;15,18,26, 32/10
22294	16	12/09
22305	2	7,21/09;27,30,35/10
22311	19	13/09
22312	2	7,13/09
22313	2	7,13/09;6,27,35/10
22314	1	7,13/09;6,33/10
22331	2	N22/09;N26,N30/10
22335	4	21/09;26,30/10
22341	9	21/09;6,26,30,36,39/10
22342	9	52/09;6,26,32,36/10
22343	1	N21/09;N26,N30/10
22347	6	N52/09;N6,N26,N36/10
22351	1	N21/09;N30/10
22352	6	22/09;26,30/10
22360	2	22/09;15,26/10
22361	2	N48/09;N15/10
22370	2	48/09;26/10
22371	5	48/09;30/10
22379	2	N17/10*
22395	2	36/10
22401	5	N8*,N23/10
22403	1	N12,N29/10
22404	15	10/10
22405	6	8,10,11/10
22408	1	N12/10
22409	4	N12/10
22410	32	21,22/09;5,7,8,26,34/10
22413		N20/09
22415	8	6,7/10
22417	1	N6,N7/10
22418	2	11/10
22420	2	29,30/10
22421	4	N21,N22/09;N6,N7/10
22423	3	N11/10
22425	2	22/09;7,26,35/10
22427	1	N21,N22/09;N5,N27/10
22429		N6/10
22430	6	11/10
22433	3	11/10
22440	1	34/10
22461	1	N41/10
22471	31	9/09;5,36/10
22481	35	5,8,11,27/10
22482	17	N27/10*
22492	3	14/10
22521	3	5,6/09;4,40/10
22523	3	27/09;40/10
22524	2	27/09
22528	3	45/10
22529	3	5,10/09

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/09 THROUGH NM 45/10

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.
22531	2	10/09
22532	2	5/09
22544	2	18/09
22545	1	5,18/09
22547	3	5,10/09
22549	2	5/09
23000	5	5,36,40/10
23010	4	36,37/10
23020	4	4/09;33,36/10
23023	4	36,37/10
23030	6	4,8/09;36/10
23071	3	37/10
23101	5	36,45/10
23102	7	N39/09*;N45/10
23115	3	36/10
23121	7	37,41/10
23122	8	35/10
23123	3	47/09;36/10
23124	3	N35,N36,N37,N41/10
23125	4	47/09;36/10
23126	6	N35,N37,N41/10
23127	4	N35/10
23129	2	N35/10
23131	7	32/10
23141	7	4/09
23142	10	4/09;37,40/10
23145	3	4,8/09
24000	39	33/09;32/10
24004	36	27,33,39/09;11,32/10
24008	42	27/09;22,32,42/10
24012	40	31/09
24016	53	31,43/09;37/10
24024	46	48/09;22/10
24028	6	48,49/09;22,29,32,43, 45/10
24050	11	4/09;36,40,41/10
24051	1	25/09
24052	16	25/09;37,40,41/10
24053	16	37,41,45/10
24055	6	25/09;40/10
24057	5	4/09;36/10
24058	2	25,47/09;37,41/10
24080	5	27/09
24091	7	N6*,N14,N41/10
24092	15	N6*,N14/10
24100	5	17,26,41/10
24101	3	41/10
24102	3	41/10
24110	3	37,43/09;26/10
24120	9	33/09
24121	10	31,44/10
24122	2	44/10
24130	14	39/09;11,27/10
24131	8	37,43/09
24132	13	33,37,39/09;41,42/10
24133	6	32,41/10
24140	18	33/09
24141	4	33,39/09;41/10
24142	43	22/10
24149	2	42/10
24150	27	33/09;14,42/10
24151	4	33/09;42/10
24153	6	5,37/09;44/10
24154	12	37/09;44/10
24155	6	37/09;27,31,32,41,42/10
24156	3	31,32,40/10
24159	1	31/10
24160	21	33,37/09;4,14/10
24161	11	27,39,45/09;4,44/10
24162	9	27,39,45/09;18/10
24164	6	5/09;27,41,42/10
24170	14	32,33/09;41,42/10
24171	20	N32/10*
24172	5	N37/10*
24180	15	33/09;27,31,32/10
24190	15	22,42/10
24200	14	31,41/10
24201	5	39/10
24202	7	21,38/10
24203	36	39/10
24210	14	32/10
24211	8	11/10
24220	14	31,37,41/09
24221	17	20/09
24222	3	31,37,41/09
24223	33	41/09;44/10
24224	1	27/09;32,34/10
24231	7	38/10
24235	2	38/10
24240	5	31/09
24250	5	37/10
24251	23	39/09;17,41/10
24252	5	39/09;41/10
24263	2	37/10
24270	3	44/09
24271	14	33/09
24274	2	42/09
24290	3	27,40/10
24291	4	24,40/10
24292	4	22,27,31,40/10
24293	6	27,30,31/10
24294	23	22,31,39/10
24311	4	11,31/10
24319	1	11,31/10
24320	4	5/09;40/10
24321	3	40/10
24322	6	5/09;40,42/10
24350	2	22,45/10
24355	2	45/10
24360	1	48/09
24370	1	48/09;29,32/10
24375	2	15,32/10
24380	2	31,52/09;43/10
24385	1	31/09;43/10
24388	2	31,52/09;30,39,42/10
24390	3	49/09
24400	1	29/10
24404	9	9,41,42/09;17,19,39/10
24405	11	N7*,N9,N42/09;N19, N22,N30,N39/10
24406	32	N37/10*
24408	21	44/09;19,30,39/10
24410	2	41/09;29/10
24423	2	46/09
24430	5	4,21,27,40,41,42,46/09; 16,22,23,28,30,33,45/10
24431	14	21,27,40/09;23,28/10
24434	4	27,41/09;16,22,28,45/10
24435	5	25,29/10
24441	3	33/10
24450	3	49/09;24,33,36/10
24452	7	49/09;37/10
24453	5	25/10
24454	5	41,52/09;25/10
24460	4	20,41,43/09;22,23,24,29, 36/10
24461	4	46/09;24,28/10
24462	5	24,28,40/10
24463	6	41/09;16,25,30/10
24464	20	24/10
24465	6	45/09
24468	1	42,43/09;23/10
24469	1	42,43/09;23/10
24470	4	20,34,43/09
24471	9	31,34/09;22/10
24480	1	2,7,37/09;19,22,23,28,29, 40/10
24481	7	16/09
24485	1	4,43/09
24486	1	42/09;30/10
24490	3	2,4,43/09;16,21,22,25, 29/10
24491	3	2,4,7,43,49/09;16,22,29, 36/10
24492	21	N4,N43/09
24500	1	2,4,5,7,16,20,23,25,31, 49/09;16,29,36/10
24501	3	2,7/09;22,29/10
24502	6	4,5,7,16,20,23,25,31,44, 49/09;24,25,29,36/10
24504	7	2,37/09;4,22,23,28,40, 42/10
24507	1	2,37/09;4,19,22,23,28,36, 40,42/10
24508	4	32*,42,43/10
24509	3	37*,40,43/10
24510	3	38*,42,43/10
24512	3	39/10
24513	18	39/10
24514	1	39/10
24517	2	42/09;30/10
24521	3	43/09
24531	4	43/09
24551	3	39/10
25001	7	4,29,31,42,47,51,52/09;3, 16,22,23,29/10
25017	6	N29/09;N12,N17/10
25018	9	3,12,17/10
25400	2	42/09;45/10
25480	1	1/10
25485	45	25,48/09
25487	2	25,48/09
25521	35	52/09
25524	43	52/09
25525	17	1/10
25526	2	52/09;1/10
25527	31	52/09
25550	2	8,31,52/09;17,39/10
25561	24	51/09
25563	50	52/09;39/10
25564	7	19/10
25566	27	30/10
25567	16	16/10
25570	3	8,31/09
25575	4	8/09
25600	47	46,52/09;6,12,17,25/10
25607	4	52/09;6,17,28,32/10
25608	22	32,39/10
25609	5	26/09;39/10
25611	22	34/10
25613	3	42,46,49,52/09;6,12,16, 25,32,33/10
25640	43	3/09*;3,17/10
25641	27	26/09;21,38/10
25644	13	8/09
25646	7	N8/09
25647	11	26/09;21/10
25649	20	40/10*
25670	43	8,20,30/09;13,16,27/10
25671	18	41/09;3,35/10
25673	16	17/09
25675	9	35/10
25677	21	3*,5/09;17/10
25683	19	31/09*
25700	3	41/09
25720	3	33/10
25800	3	26/09;7,34/10
25803	17	10*,34/10
25842	10	26/09
25847	1	10/10*
25848	26	26*,42/10
25849	13	34/10
26001	4	2,47/09;1,22,29/10
26060	1	19/10
26068	12	10/10*
26080	1	N43/10*
26081	9	N43/10*
26082	1	N43/10*
26083	14	12,33/10
26100	4	5/10
26122	30	22,29/09
26130	20	22,42/09;34/10
26146	1	28/10*
26147	31	32/09;5,10,28/10
26181	20	7,11/10
26182	1	11/10*
26184	5	19/10*
26186	18	17*,20/10
26187	1	10/10*
26188	11	7,10/10
26194	5	6/10
26206	10	16/10
26207	1	16/10*
26218	2	40/09;5/10
26219	5	5,6/10
26229	11	40/09;2,5/10
26230	13	N8/10*
26237	3	16/10
26244	3	37/09
26250	18	37/09
26261	27	33/10
26282	7	N34,N45/09
26295	1	34,45/09
26300	7	24/09
26308	5	24/09
26310	1	N24/09
26311	1	N24/09
26320	5	12,22,24,27,30,31,40, 49/09;5/10
27005	4	24,31,34,45,49/09;1,3, 37/10
27040	5	37/09
27041	4	37/09
27060	2	23,37/09
27061	5	23/09
27080	4	23,31,40,51,52/09;26/10
27083	39	50/09
27100	2	40/09
27120	4	1,6,34/10
27142	5	5/10
27160	2	1,37/10
27180	2	28/09;14,34/10
27211	22	28/09;14/10
27241	23	34,37/10
27243	2	34,37/10
28004	1	31,34,45/09;1,6/10
28041	4	41/09
28042	3	35,41/09
28050	3	12,33/10
28051	2	40/10
28053	2	27/09
28054	2	27,52/09
28104	2	34/09;20,24/10
28130	1	34/09
28144	4	27/09
28150	3	30/09
28153	1	51/09
28154	2	27,40,51/09
28161	4	30/09
28162	29	30,48/09;24/10
28164	17	48/09;24/10
28165	21	23/09*;24/10
28168	24	N30/09*
28170	1	31/09
28171	1	30,31/09
28190	2	6,34/10
28196	4	1,6,34/10
28197	4	25/09;1/10
28201	8	42/09
28202	22	8/09;34,39/10
28210	2	34,43/10
28220	2	34,43/10
28223	4	43/10
28260	30	3,4,6,8,14,22/09;34/10
28263	3	5,6,8,14,42/09
28264	3	5,6,42/09
28265	4	N25/09*
28281	32	3,4,5/09
28282	2	3,4,5/09
28300	1	3,4,8,14/09;32,39,43/10
28302	16	19/10**
28303	1	N48/09*
28304	1	N19/10*
28310	2	3,4,8,11,44/09;39,43/10
28320	6	3,4,6,14,42/09;32/10
28323	2	3,4,6,21,42/09
28325	2	6,42/09;43/10
28330	2	4,8,42/09
29002	9	33/10
29018	4	4/10
29022	5	4/10
29040	3	33/10
29104	4	33/10
29105	5	34/10
29121	5	14/10
29122	5	39/10
29124	1	39/10
29126	2	39/10
35000	26	15/09;25,37,40/10
35001	2	N33/09*
35002	1	N32/09
35008	21	4,15,21/09;39/10
35014	3	N33/09*
35015	2	N8,N10/09
35024	2	N7/09;N25/10
35025	1	N39/09**
35027		N39/09**
35028	1	N39/09**
35034		N39/09**
35035	1	N6/09
35037	1	N6/09
35038	2	N39/09**
35039	1	N39/09**
35045	1	N10/09
35046		N39/09**
35048	1	N4/09*
35049		N39/09**
35051		N39/09**

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/09 THROUGH NM 45/10

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.
35052		N4/09
35053		N39/09**
35054	1	N39/09**
35055	1	N10/09
35056	1	N10/09
35057	2	N39/10*
35058	2	N39/10*
35059	2	N33/09*
35061	2	N39/09**
35065	2	N39/10*
35067	1	N4/09
35068	2	N39/10*
35069	1	N39/09**
35071	2	N39/10*
35078	2	N10/09
35079	4	N39/10*
35089	2	N12/10*
35092	3	N13/10*
35093	4	N39/10*
35094	1	N4/09
35098	1	N39/09**
35102	1	N40/09**
35105	1	N40/09**
35106	2	N33/09*
35107	1	N40/09**
35108	1	N40/09**
35109	1	N8/09
35111	1	N40/09**
35112	1	N40/09**
35116	1	N8/09
35118	2	N33/09*
35119	2	N8/09
35121	1	N8,N29/09
35122	1	N40/09**
35124	1	N40/09**
35125	2	N40/09**
35129	1	N40/09**
35132	1	N40/09**
35133	1	N40/09**
35134	2	N40/09**
35137		N40/09**
35145	1	N40/09**
35146	1	N40/09**
35147	1	N3,N7,N27/09
35151	1	N26/10*
35172	3	N33/09*
35180	6	29/09
35303	7	43/09**
36000	1	N4,N7,N9/09;N24, N25/10
36001		N34,N36,N37,N40, N42/10
36002		N3,N27/09;N25/10
36003	1	N41/09**
36004	1	N41/09**
36005	2	5,7,9,17,18,22,26,30,34, 36,37,40,42/10
36006	1	N7,N10/09;N24,N25/10
36007	1	N24/10
36008	1	N8/09;N24/10
36009	1	N24/10
36013	1	N41/09**
36017		N3/09
36020	1	N3/09
36021	1	N26/10*
36022	1	N3/09
36025	1	N4,N9/09
36026	1	N41/09**
36027	3	N41/09**
36028	2	N41/09**
36029	1	N41/09**
36030	1	N3/09
36031	1	N41/09**
36033		N3/09
36034	1	N33/09*
36035	1	N33/09*
36037		N41/09**
36038		N41/09**
36042		N8/09
36043	3	N41/09**
36045		N41/09**
36047		N41/09**
36048		N41/09**
36049	1	N33/09*
36050		N36,N40/10
36051		N41/09**
36052		N41/09**
37000	23	22/10*
37001		N42/09**
37002		N42/09**
37004	3	N39/10*
37005	17	4,21,29/09;1,11,39/10
37009		N42/09**
37010	24	4,9,21/09;1,11/10
37011		N42/09**
37012	1	N42/09**
37013		N42/09**
37014	1	N42/09**
37015	1	N34,N36,N40/10
37016	2	N39/10*
37018	1	N42/09**
37019	2	N39/10*
37022	1	N42/09**
37023	1	N42/09**
37025	26	41,49/09;26,34,36,37/10
37026		N42/09**
37027	1	N6/09
37028	1	N6/10*
37029		N42/09**
37030	1	N43/09**
37031	1	N43/09**
37032	2	42/10
37035		N43/09**
37036	1	N43/09**
37037	1	N43/09**
37038	1	N43/09**
37039	3	N43/09**
37040	2	N22/09*
37050	9	18,25,26,34,36,37,40, 42/10
37051	1	N2/09
37052	2	N9/09
37053	1	N43/09**
37054		N43/09**
37055		N4/09;N5,N10,N14,N22, N44/10
37056	1	N43/09**
37062	3	N33/09*
37066	6	N26/10*
37067	5	N43/09**
37080	4	N37/10*
37085	8	43/09**
37090	8	8,17,18,23,34,36,37, 40/10
37091	1	N43/09**
37095	3	18,27,34,36,40/10
37103	9	18/10
37104	4	N18/10
37106	4	18/10
37110	11	2/09;18/10
37112	1	18/10
37115	2	2/09;18/10
37120	3	2,23,30,31,33,43,45/09; 13,14,18,27,38,44/10
37121	11	2/09;18,38/10
37123	9	38/10
37125	15	38/10
37126	8	38/10
37127	11	38/10
37129	6	19,23,27,28,31,32,33,34, 37,39,43/09;10,13,21, 38/10
37140	33	2,4,9,33/09;38/10
37162	12	38,40,41,45,47/09;5,10, 11,14,23,27,32,44/10
37163	20	N39,N41,N49/09;N3, N22,N31,N44/10
37164	5	N25*,N38,N41,N45/09; N10,N14,N27,N44/10
37165	3	4,5,6,9,11,14,15,19,21, 22,26,30,31,32,33,37,40, 41,43,44,47,48,49,52/09; 1,3,5,7,10,11,15,19,21, 23,26,31,43,44/10
37166	3	9,40,41,48/09;1,5,10,11, 14,23,27,32/10
37200	16	16*,29,44/09;23,31, 43/10
37205	3	5*,33,44,49,52/09
37221	14	4,5,9,11,18,20,21,23,31, 32,37,39,47,52/09;1,7,11, 19,26,27,31,43/10
37222	13	4,5,14,15,21,23,26,39,49, 51/09;1,3,22,24,27/10
37223	14	21,32,39,40,41/09;1,5,10, 11,21,23,32,33,44,45/10
37224	11	3,5,14,15,21,26,51/09;3, 19,22,27/10
37226	18	N4,N5,N11,N13,N23, N30,N31,N34,N39,N41, N43/09;N4,N11,N15, N19,N21,N27,N31,N43, N45/10
37228	14	11,14,31,41,43,52/09;13, 32,42,43,45/10
37229	15	4,34,52/09;7,42,43/10
37230	14	13,19,30/09;45/10
37231	18	4,5,6,11,13,14,15,19,21, 26,28,31,39,43,49,52/09; 13,15,19,23,43,45/10
37232	13	N4,N5,N9,N18,N41/09
37234	13	4,9,15,18,19,23,43/09;19, 26/10
37235	11	9,15,18/09
37236	9	15/09
37238	6	39,41,45,49,51/09;4,10, 11,22,23,27,32/10
37241	19	N20*,N38,N39,N41, N44,N49/09;N1,N4,N5, N10,N14,N31,N45/10
37242	11	41,45,48,49/09;1,4,11,14, 27/10
37243	7	41/09;1,11,22,32/10
37244	11	23,30,31,32,33,34,41,43, 44,45/09;1,2,10,11,14,22, 23,27,32,44/10
37246	15	23,27,31,32,33,38,39,41, 44,45,48,49/09;5,10,11, 14,22,23,27,31,32,41, 45/10
37248	19	19,22,23,27,28,29,30,32, 33,34,37,39,45,49,51/09; 10,13,14,21,22,23,31,32, 44/10
37258	4	18/10
37261	10	18,20/10
37262	20	18/10
37264	3	18,36/10
37265	3	18/10
37266	3	18/10
37281	15	18/10
37320	16	21,22,25,26,34,36,37/10
37325	9	N10,N12,N14/10
37326	2	10,12/10
37328	2	10,14,21,22,26,37/10
37330	2	5,7,8,9,18,25,26,30,34, 36,37/10
37342	3	3,4,12/09
37344	11	3/09;10/10
37360	15	3,12,36/09;22,26/10
37362	6	26,48/09;11/10
37363	9	N22/10*
37367	1	11/10
37380	2	26/09
37400	10	33,44,45,46,49,51,52/09; 32/10
37401	9	44,45,47,49,51,52/09
37403	23	12,52/09;42/10
37420	1	31,51,52/09
37421	8	32,38/10
37423	5	32,38/10
37446	3	N28/10
37461	9	38/09;17,20,26,27/10
37464	2	N24/10
37481	7	37/09
37506	4	24/09
38032	6	17/09
38220	2	49/09
38460	7	49/09
38540	4	25/10
38545		N25/10
38580	8	39/10
38585	4	39/10
38603	2	27,43/09
38604	2	N31*,N32/10
38606	1	43/09
38607	2	31,43/09
38610	1	7,31,43/09;23/10
38641	5	N12/10*
38642	1	N18*,N32/10
38670	2	27/09
38681	3	14/09
38682	3	26/10
38690	2	32/10
42640	6	36/10
42740	5	36,41/10
42742	3	2,22/10
42760	5	17,49/09;1,2,22/10
42762	3	N49/09;N22/10
42765	3	36/10
43030	24	43/09;15,32,39/10
43040	6	36/10
43058	3	17/09
43059	3	17/09
43060	4	17/09
43143	4	10/09
43144	4	15,25/09
43145	4	15/09
43146	2	24/09
43148	4	25/09
43150	3	N24/09
43160	6	24/09
43162	3	2/09
43167	5	27/09
43181	3	27/09
43203	3	4/09
43220	3	4/09
43221	4	4/09
43224	3	4/09
43240	4	30/09
43242	4	30/09
43244	4	29/09
43245	4	29/09
43246	5	11/09
43247	5	4/09
43260	4	31/09
43262	5	2,11,17,25,31/09
43263	7	12,17,25,30/09
43264	2	11,25,31/09
43265	2	12,17,25/09
43280	5	30/09
43281	6	11,29,31/09
43283	6	31/09
43285	5	27/09
43287	2	11,15,31/09
43300	5	12/09
43302	4	45/10
43303	4	30/09
43321	6	30/09;45/10
43323	4	31/09
43324	4	26,31/09
43340	13	21/09
43341	7	10,27,30/09
43342	7	10,26,27/09
43345	4	21,26/09;44/10
43356	2	11/09
43360	21	21/09;2,15,39/10
43363	5	12/09
43364	6	N12/09
43365	5	29/09
43368	5	11,17/09
43369	6	17/09
43371	13	11,19,24,27,29,30/09
43372	5	N27/10*
43373	8	24,32/09;17,25/10
43374	1	19,24,27,29,30/09
43375	7	15,17,25/10
43377	2	24/09
43382	2	17/09
43384	1	15/10
43385	1	15,22,39/10
44000	16	26,P48/09;1,5,11,12,14, 32,P43/10
44001	2	23,26,29,32,P48/09;1,4, 5,8,12,13,14,15,18,21,24, 29,30,32,34,36,P43, 45/10
44015	9	49*,51/09;1,4,5,8,12,14, 17,18,24,30,34/10
44030	8	29*,43,P48/09;1,10,11, 14,17,28/10
44036	5	41,49/09
44037	5	29,49/09;22/10
44039	1	N27/10*
44040	24	11/10*
44041	7	22/10
44042	8	N37/10
44044	6	43/09

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/09 THROUGH NM 45/10

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.
44045	6	32/09;24,36,39/10
44046	10	42/09;22,24/10
44047	22	24,32/10
44048	12	N5/09*
44049	10	N24,N29/10
44050	22	N44/10*
44051	2	N44/10*
44052	2	N44/10*
44053	1	32/10
44054	1	N26/09*
44057	5	15,19,20/09;2,4,25,32/10
44059	1	N5/10*
44061	22	45/09*;2,24/10
44062	8	29/09
44063	8	2,32/10
44064	19	26,42,49/09;22,24,25, 32/10
44065	7	4,6,13,29,31/09;7/10
44066	10	18,29,30,43/09;31,33/10
44067	23	42*,52/09;2,7,22/10
44068	11	6,13,14,19,20,30,42/09; 19,29,32/10
44069	16	5,6,11,13,14,20,26,29,30, 37,39,52/09;19,22/10
44070	7	6,15,19/09;11,26/10
44071	4	26/09
44072	4	13,19,44/09
44073	2	11,18/09;32,43/10
44075	4	6,52/09;15,43/10
44076	3	6,9,19,31,34,41,49/09;15, 26,31,43/10
44081	9	2,4,6/09;23,27/10
44082	11	15,48/09;27,P43/10
44083	8	2,9,18,20,31/09;7,8,20, 24/10
44084	1	2,7,15/09;4,7,20,23, 32/10
44085	2	6,11,30,37,48/09;3,26,27, 28,31/10
44100	8	12*,23,27,29/10
44120	8	19*,27,P43,45/10
44140	9	19*,20,32,41,P43,45/10
44160	7	12,24,P43/10
44161	2	12/10
44164	1	32/10
44165	1	24/10
44179	2	40/10
44180	6	P48/09;1,7,24,29,32, 34/10
44181	6	N26/09*
44182	5	N42/09*;N12,N29/10
44183	6	11,12,29,41,44/10
44184	9	11/10
44185	8	N42/09*;N11,N29/10
44186	2	17,29/10
44187	2	42/09;22,41/10
44192	1	42/09;25/10
44193	1	35/09;15,23,37/10
44200	9	P48/09;1/10
44203	1	P48/09;1/10
44205	2	35/09;32/10
44206	1	32/09;11/10
44220	5	28/10
44223	1	28/10
44224	1	22/10
44240	8	35/09;6,28,29,42/10
44243	2	34/10
44260	7	12/09;11,15,32/10
44280	9	43/09;10,15,29,32/10
44281	2	22/10
44282	1	35/09;10,28/10
44284	2	7,8/10
44285	1	25/10
44310	5	6,10,17/10
44313	1	6,10/10
44319	3	27*,30,34,36/10
44320	4	9,13,17,20,26,27,32/09;5, 8,12,16,18,30,34,P43/10
44321	6	6,13,P43/10
44340	12	9,10,12,20,26,30,36,37, 41,43/09;5,6,14,16,17,18, 19,30,34,36,P43/10
44341	7	26/09;6,7,8,11,18,P43/10
44342	8	11/10
44352	3	N9,N13,N15,N19,N20, N26,N32,N34,N36, N41/09;N16,N17,N18, N19,N30,N31,N36, NP43/10
44360	10	9,13,23,25,31,37,41,48, 52/09;5,6,14,17,18,19,20, 34,36/10
44361	7	N32/10*
44362	1	N30/10*
44365	1	30,33,36,44/10
44366	1	25/09;30,32/10
44367	2	5,14,17,18/10
44400	4	3,9,11,12,13,23,25,26,27, 29,32,33,34,37,39,41, 43/09;16,18,19,30,31,34, 36,44,45/10
44401	8	N18*,N37/10
44410	4	3,11,23,32,39,43/09;12, 15,31,34,45/10
44420	7	44*,P45/10
44430	3	44*,P45/10
44442	1	N39*,N51/09;N31, N37/10
44443	1	N39/09*;N45/10
44444	7	N44/09*
44445	1	N26*,N31/09;N24/10
44446	1	N35/09*;N32/10
44461	10	2,13,17,18,20,32,35,39, 40,45/09;32,35,45/10
44462	4	2,6,20/09;7,20,41,42/10
44463	9	17,18,35,40/09;4,8,20, 31/10
44465	2	2,6,13,17,18,20,31,32,35, 40,45/09;4,41,45/10
44481	2	2,18,26,35/09;8,P43, 45/10
51002	7	21,46/09
51007	22	15,23,27,41,46/09
51013	4	23,32/09
51017	31	36/09
51022	11	36/09
51027	8	38/09;7/10
51032	10	38/09;14/10
51041	3	19,21,48/09
51061	14	18,19,27,41/09
51062	28	18,19,37,41/09;19/10
51064	2	27,37/09;33/10
51081	10	19,21,34,46/09
51082	7	21,37,48/09
51100	7	13,15,16,20,22,23,38/09; 3,6,20,31/10
51103	10	37/09;19,31/10
51104	1	20/10
51109	5	13,16,20,22,23/09;3,6,17, 32/10
51120	6	16,18,23,27,37,41,46/09; 3,6,32/10
51135	2	N31/09*;N3/10
51142	2	13,18,20,41,48/09;14,31, 32/10
51143	5	N37/10*
51144	4	N39/10*
51145	2	18,41/09;31/10
51146	3	18,41,45/09
51150	1	15,18,21,23,41,48/09;17, 32/10
51153	1	N48/09*
51154	3	20/09
51155	1	20,21/09;6,31/10
51160	21	21,23/09;6,17,31,32/10
51164	18	52/09;26,28/10
51165	9	N52/09
51166	4	N52/09
51167	7	N52/09
51168	2	26,28,31,35/10
51260	4	36/09;4,23/10
51261	23	18,20/09
51341	23	36/09;15,18,23/10
51342	3	31,32/10
51343	3	36/09
51344	2	35/09
51346	1	N26/10*
51347	1	N26/10*
51380	5	36/09
51400	3	36/09;35/10
51420	5	17/10
51440	4	17/10
51460	4	10/10
51500	7	44*,45/09
51520	4	37/09;7/10
51540	3	38,41,44/09;7/10
51559	4	9/09*
51560	11	14/10
51605	1	N16/10*
51621	10	N10/10*
51622	1	N10/10*
51641	5	N48/09*
51642	4	N19/09*
51663	4	5/09*
52031	1	4/09
52039	4	44/09;28/10
52040	18	44/09;18,26/10
52043	21	2,39,44/09
52045	6	2/09
52046	21	26,27/10
52047	11	26/10
52051	2	N7/09*
52066	3	19/10
52080	14	4/09
52083	2	37/09
52084	2	26/10
52085	3	37/09
52118	1	23/10
52140	6	4,5,22/10
52142	3	24/10
52143	8	4,26/10
52144	6	N11/09*;N3,N4,N5/10
52145	1	N11/09*;N3,N4,N5/10
52160	7	3,4,6,17,27,33/09;10, 29/10
52161	14	4,6,33/09;10/10
52164	2	4,17/09
52170	3	3,6,9,17,20,27,33,35, 36/09;10,24,45/10
52172	2	17,36/09;22,45/10
52180	14	3,4,6,16,18,25,29,32,36, 40,46/09;1,8,15,27,31,39, 43,45/10
52184	3	25,46/09;45/10
52186	3	18,32,46,47/09;1/10
52200	8	52/09;10,45/10
52202	7	52/09;11/10
52220	7	16/09;32/10
52221	7	32/10
52223	4	10,32/10
52243	11	32/10
52262	6	32/10
52263	5	32/10
53011	2	3,4,12,13,16,17,39,41/09; 24,27,29,30,39,43,45/10
53031	1	35,47,49/09;8,15,41,43, 45/10
53060	15	32/10*
53061	10	13,15/10
53062	13	13,15/10
53063	9	15/10
53065	2	4/10
53081	9	50/09;1,20/10
53082	14	11,14,50/09;1/10
53083	8	8/10
53084	6	32/10
53085	6	32/10
53086	8	22,30,32/10
53087	9	32/10
53088	8	18,26,51/09;1/10
53090	1	42/10
53093	3	32/10
53100	17	16,35,48,51/09;6,16,21, 24,39,41,42/10
53101	8	N10*,N21,N42/10
53103	1	N21/10
53104	3	N50/09*;N1,N15,N21/10
53105	21	N8,N40/10
53106	7	28,37,51/09;16/10
53107	17	N33/09;N21,N42/10
53108	3	16,32/09;33/10
53110	1	16,39/10
53120	14	11,12,33,40,41,47,49/09; 2,3,24,42,45/10
53122	3	1,42/10
53123	3	1/10
53125	2	33/09
53130	1	11/09;45/10
53135	2	23,33,47/09;2,45/10
53141	5	14,41,47/09;22,30,44/10
53147	3	3,15,35/09;8,42/10
53149	3	N10*,N40/09;N42/10
53160	14	11,12,14,16,41,47,49/09; 2,24,27,30,44/10
53161	8	3,5,12,13,16,22,28,38,42, 47,48,49/09;2,6,21,44/10
53162	7	3,16,22,42/09;30,44/10
53164	9	16,42/09
53165	14	N6/09*
53166	1	16,22,28,29,38,42,47, 48/09;22/10
53179	1	N39/09*
53180	10	5,16,17,23,35,38,49/09;2, 8,13,15,24,30,39,41, 43/10
53181	4	3,38,43,49/09;27,41/10
53183	13	14,22/09;8,13,27,30, 39/10
53184	5	13,23,26/09;8,28,40/10
53191	1	N17/10*
53200	7	12,25,39,46/09;6,13,18, 24,27,29,30,43/10
53201	6	33,37,40/09
53203	11	23/09;6/10
53204	10	23/09;6/10
53205	3	6/10
53206	7	N23,N45/09;N6/10
53207	1	N6/10
53212	3	33,46/09
53220	7	9,12,25,35,39,46/09;6,10, 24,27,29,43,45/10
53223	5	41/10
53226	3	5,25,27,35/09;29/10
53242	12	39,43/10
53244	2	43/10
53262	8	10,15,40/10
53263	1	13,37/09
53265	6	37/09;40/10
53266	4	14/10
53268	4	13,37/09;10,15/10
53269	5	13,17,37/09
53279	4	3,42/09;3,6,41/10
53281	4	15,16,21/10
53282	8	32,47/09;14,19/10
53283	4	43/09;6,45/10
53285	4	3,42/09;3,6/10
53287	6	3,42/09;3,6,38,45/10
53290	1	17/09;14,15/10
53301	4	38,45/10
54040	3	49/09;15,30,39/10
54041	7	23,26,38,40,43/09
54043	2	17,28,33,38,41,43/09
54060	5	3,5,15,25,26,27,28,32,37, 41,49/09;16,33/10
54061	12	N23,N27/09;N33/10
54063	3	3/09
54064	2	28,49/09
54081	4	N10/10*
54082	13	N27/09
54083	4	31/10
54085	2	3,5,20,25,39,40,47/09; 41/10
54090	3	3,5,9,15,20,25,26,28,41, 42,49/09;11,31,33,39, 45/10
54091	1	41/09*;33/10
54095	3	3,5,8,20,25,27,29,34,40, 47/09;41/10
54105	3	8,21,27,28,29,34,40,41, 47/09;2,41/10
54115	3	14,18,21,25,28,29,33,34, 37,41/09;2,5,8,18,29,33, 38,41/10
54120	5	5,8,21,28,33,37,38,41/09; 2,8,18,41/10
54125	4	3,5,14,15,23,24,25,26,28, 31,34,35,40,41,43,47/09; 2,5,6,7,18,19,26,27,29, 33,38,40,42/10
54131	2	3,12,15,20,25,28,37,39, 40,41,49/09;2,16,24,27, 29,30,31,33,39,43/10
54140	8	5,14,18,24,28,33,35,40, 41,47/09;2,8,18,26,29,33, 38,40/10

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/09 THROUGH NM 45/10

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.
54151	1	8,14,30/09
54161	13	N38/10*
54165	2	29/09
54167	2	7/10
54168	1	23,33,35,38/09
54169	3	14,23,24,29,33,35,47/09; 7,29,42/10
54180	7	23,24,25,29,33,34,47, 51/09;5,8,33,38/10
54181	7	5/10
54195	3	25,33,51/09
54200	4	23,25,29,31,34,47,51/09; 5,8/10
54201	6	25,31,34,47/09;18/10
54220	5	24,29,30,34,41,44,47/09; 8,22/10
54222	4	34/09;44/10
54223	2	25,31,34/09
54224	2	30,31,33,47/09
54225	2	30,34,41/09
54226	2	47/09;5,8,26,43/10
54227	3	N6/09*;N5,N8,N26, N43/10
54230	1	44/09*
54265	1	11/10*
54266	2	42/09;11/10
54279	4	5,9,10,12,17,18,30/09;11, 33/10
54280	11	2,10,11,12,17,20,29,30, 32,36,50/09;6,11,43, 45/10
54281	6	12,18,29,47/09
54282	1	33,35/10
54283	5	12,14,22/09
54284	1	4,14,18,24,30/09;24/10
54285	1	29,36/09;24/10
54286	4	4/09;12/10
54287	7	12,13,17,23,26,29,32,36, 48/09;11,33/10
54288	5	10,11,24,26/09
54289	8	10,17,23,24,26,35,36, 50/09;43/10
54300	12	17,25,33,44,46/09;6,43, 45/10
54301	4	5,31/09;45/10
54302	1	25,33,44/09;6/10
54303	4	25/09
54314	2	12,13,17/09;11,33,34, 37/10
54318	3	17,36,44/09;6/10
54320	4	8,11,13,14,17,20,24,25, 26,36,44/09;6,24,35,36, 45/10
54321	3	N16*,N24,N36/09;N24, N45/10
54322	8	4,11,13,17,44/09;6,37, 43/10
54324	9	4,14,24,34/10
54327	4	4,14,20,33/09
54329	4	11,17,25,44/09;19,24/10
54330	2	25/09;19,35/10
54332	3	13,22,26,27/09;37/10
54333	3	19,34/10
54334	3	4/09;24,35,37/10
54335	3	12,44,50/09;35/10
54337	4	N19*,N47/09
54338	2	47/09
54339	9	N18*,N47,N50/09; N19/10
54340	8	4,9,14,22,24,26,27,37,41, 44,50/09;18,24,35/10
54341	4	2,8,22,26,44/09;18,34, 45/10
54343	10	14,16,19,41,47,50/09;18, 45/10
54344	6	12,14,41,44,47,50/09;18, 24,34,35,45/10
54346	9	5,16,19,47,50/09;4,18, 43/10
54347	4	4,33/10
54349	4	3,9,22,24,37/09;18/10
54350	4	9,11,27,30/09;45/10
54351	7	48,50/09;18,35/10
54352	3	9,48/09;11/10
54359	2	2,33,36/09
54360	12	9,11,13,24,30,33,36, 48/09;1,2,18,19,20,24,26, 35,38,45/10
54361	10	2,24,33,36/09
54363	3	8,9,17/09;1,2,19/10
54365	6	8,17,50/09
54367	3	19/09
54369	4	9,11,48/09;1,2,13,19,20, 26,38,44/10
54380	6	9,20,35,48/09;1,2,6,11, 14,25,26,35,38,42,44, 45/10
54382	9	11,41,47/09;1,6,20,23,29, 33,36,37,44/10
54386	10	20,30,35,50/09;4,11,19, 22,25,26,33,36,42/10
54387	7	36/09;1,13,29,36,38,39, 42/10
54389	8	50/09;8,14,23,26,35,39, 42/10
54400	8	11,13,14,18,24,25,31,36, 48/09;4,12,22,24,26,40, 41,42/10
54402	4	18/09
54403	4	7,8,15,23,24,25,26,40, 42/10
54404	4	8,20,25/09;42/10
54406	2	2/09;18,43/10
54407	4	4,24,25,31/09;4,6,8,11, 12,18,22,25,26,40,41/10
54408	4	8,9/09;8,18,34/10
54409	2	24/09;10/10
54412	1	24/09*
54413	3	9,31/09;4,6,11/10
54416	5	13,18,27/09;24,35,40/10
54418	4	4,24,25/09;4,6,8,38, 41/10
54419	2	47/09;38/10
54421	6	33/09;13,22,26,36,45/10
54422	4	23,33/09;45/10
54423	5	25,35,42/10
54424	1	26,44/10
54425	1	23/09
54430	1	13,15,22,26,39,40,42/10
54440	4	10,35/10
54441	6	10,24,25,27,42/10
54462	5	11/09;22,41/10
54463	5	6,24/10
54464	5	22/10
54480	8	11/09;24,26,27,39/10
54481	9	7,12,13,14,22,26,38, 39/10
55001	4	8,12,13,24,44/10
55040	4	33,34,37,38,39,40,42, 49/09;1,20,23,37,42/10
55041	7	33,34,35/09;13,20,36,39, 44/10
55042	1	38,39,42/09;5,12,13/10
55043	2	38,43/09;5,15,16,22, 27/10
55044	5	34,37,38/09;13,20/10
55045	2	37,38,42/09;5,12/10
55046	4	39,40,42,43,48,49/09;1,5, 6,11,12,13,14,16,23,36, 37,39,42,44,45/10
55047	8	40,42,43/09;5,7,8,9,10, 12,13,22,36/10
55048	12	43/09;5,7,8,9,10,16,20, 37,45/10
55049	6	48,49,52/09;1,5,11,12,13, 16,20,27,35,42/10
55060	8	N30/09*
55064	3	8,9,10,12,20,25,26,36, 38/10
55082	9	8,17,23,37/09;6,31/10
55084	7	31,33/10
55085	9	23,37,43/09;6/10
55100	8	46,48,49/09;8,13,23,32, 34,44/10
55101	5	8,48,49,52/09;2,14,27,33, 36,40/10
55102	4	25,51/09;27,33,40,41/10
55103	3	N47/09;N18/10
55104	2	14/09;24,27,30,32,35, P43/10
55105	7	45,46,47,48/09;12,24,26, 32,40,44/10
55110	2	8,13,23,39,44/10
55120	2	34/10
55127	2	37,49/09;10,14,30,31/10
55128	3	N43/09;N6,N7,N22, N41/10
55129	7	43/09;6,7,22,31,32,36, 41/10
55130	2	14,23,25,43,46,48,49/09; 5,6,10,30/10
55131	1	23,25,49/09;16/10
55133	4	N18*,N24/10
55135	1	8/09*
55139	6	28/10*
55140	2	17,36,46,47/09;10,30,32, 37,P43/10
55150	2	8,22,25,27,42,44/10
55160	2	6,12,13,25,35,39,40/10
55161	1	6,40/10
55170	2	8,37,48/09;6,22,26,32,36, 40/10
55175	1	25/10
55180	2	43,45,47/09;7,18,24, 37/10
55190	2	23/09;10,18,30,32,37/10
55200	2	32,43,45/09;22,27/10
55205	1	23,32,37,43,44,47/09;1,5, 7,10,14,22,27,36,44/10
56011	1	4,12,22,46/09;24,27,29, 43,45/10
56031	1	11,14/09;24,25/10
56044	3	7/10
56045	1	16/10
56060	9	3/09;7,24,29,40/10
56063	1	5/09;4,29,40/10
56064	6	5/09;7,24,29,40/10
56065	3	3,5/09;24,29,40/10
56067	3	3/09;24,29,40/10
56082	17	N19/10
56100	14	10/09;25/10
56101	7	24/09
56102	24	24/09
56103	7	51/09
56104	3	5,25/10
56120	13	24/09
56220	4	4/09;29/10
57006	5	38/09
57029	9	6,26/09;36/10
57035	10	34/09;16/10
57061	6	37/10*
57064	4	N5/10*
57080	8	10/10
57100	10	25,38/09
57101	18	38/09
57120	13	38/09
57142	6	32/10
57160	10	19/09
57161	5	N10/10*
57162	7	19/09
57163	4	N32/10*
57164	3	N32/10*
57169	1	5/10*
57241	13	N12/09*
57242	9	25/09*
57245	2	38/09*
57380	3	6/09
57381	13	N16/10*
57400	4	26/09
57408	3	N22/10*
57420	3	23/09
57440	3	23/09;26/10
57460	4	13,34/09;22/10
57471	3	23/09
57480	8	23/10
57482	13	N5/10*
57483	12	N5*,N13,N22/10
57484	20	N16/10*
57488	7	N10/10*
61000	20	6,10,23,26/09
61003	17	6,23,31/09
61020	2	6/09
61040	6	10/09;26/10
61050	5	6,23,34/09
61051	9	N19/10*
61060	6	23/09
61061	10	6/09;23/10
61090	6	31/09;22,23/10
61091	6	N23/10
61092	14	N34/09;N23/10
61100	4	6,31/09;22/10
61110	3	6/09
61112	11	N32/10*
61210	6	8,48/09
61212	3	N7/09
61220	5	8/09
61221	1	N8/09*
61300	2	6/10
61410	2	8/09
61540	2	32,35/10
61541	8	45/09
61542	7	45/09
61550	2	31/09
61581	5	31/09
61582	4	31/09
61591	4	39/10
61592	5	N32*,N39/10
62000	20	15/09;23,32,33/10
62001	5	24,38/09;27/10
62024	13	10,31/10
62028	15	21,22,31,38/09;31/10
62032	16	7,22,25,36,51/09;22/10
62033	3	N7,N22,N25,N36, N51/09;N22/10
62080	5	15/09
62090	7	15/09;23/10
62092	7	51/09;27/10
62093	8	9/09;27,32/10
62095	4	9/09;27,32/10
62097	6	15/09
62098	7	15/09
62105	4	N16/09*
62110	10	24/09
62142	10	5/10
62143	3	36/09;5/10
62144	3	36/09
62170	2	33/09
62171	4	33/09
62225	4	N38/09*
62230	3	24,38/09;27/10
62241	10	51/09
62250	5	33/09;5,27/10
62270	5	5,24/10
62271	5	49/09;24/10
62276	3	49/09
62290	4	24,49/09;24/10
62295	4	24/09
62302	3	27/10
62310	2	31/10
62313	4	8,51/09;24,31/10
62314	3	25/09;31/10
62340	3	31/10
62343	4	25/09;31/10
62350	3	22/09;22,31/10
62353	4	22/09;31/10
62355	7	22/09;31/10
62360	5	21,22,51/09;31/10
62361	2	N21,N22,N51/09;N31/10
62362	1	22/09;31/10
62364	1	8,22,51/09;31/10
62366	4	13/09;39/10
62377	2	21/09
62387	3	N23/09*
62388	3	N14/09*
62389	1	N8/09
62391	5	21/09
62392	7	21,25/09;5,22,31/10
62393	7	25,36,51/09;5/10
62394	10	25,36/09;5/10
62395	3	25/09
62396	5	31/10
62400	17	7/09;11,19,30/10
62401	9	10,16,19/10
62402	10	16,32/10
62403	5	7/09
62404	3	18/09
62407	5	19,30/10
62408	7	11,19,30/10
62411	1	7,15,48/09;28/10
62412	13	9,11/09;5,7,18,30/10
62413	13	9,11/09;5,18,30/10
62414	2	19/10
62416	14	36/09
62417	2	N48/09*;N26,N28/10
62419	6	27/10
62420	5	9/09;5,27/10

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/09 THROUGH NM 45/10

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.
62431	8	5/10
62432	18	2,5/10
62433	13	5/10
62437	12	51/09
62440	8	10/09;10,11,16,19,30/10
62444	2	7/09
62446	4	N10/09
62449	4	7/09
62453	6	N18/09*;N18,N30/10
62455	7	27/10
62457	6	32/10
62459	2	10,16,24,27/10
62460	4	7,21,25/09;5,11/10
62462	2	7,32/09
62463	2	32/09
62464	4	N10/10*
62480	2	7,21,22,25,36,51/09;11, 22,28/10
62490	2	7/09;11,28/10
62498	5	N28/10*
62499	6	N10/10*
62510	3	7,21,25,36/09;5,11,22/10
62512	3	N7,N21,N25,N36/09;N5, N11,N22/10
62515	2	10/09
62520	6	7,10,51/09;5,10,11,16,19, 28/10
62521	4	N7,N10,N51/09;N5,N10, N11,N16,N19,N28/10
62530	6	7,9,51/09;5,7,10,11,27, 28,31/10
62531	4	N7,N9,N51/09;N5,N7, N10,N11,N27,N28, N31/10
62540	6	7,24,40/09;2,5,11,27/10
62541	3	N7,N24,N40/09;N2,N5, N11,N27/10
62550	3	7,9,51/09;5,7,10,28/10
62552	1	32/10
62560	4	5,11,27,31/10
62570	4	24/09;2,5/10
62572	3	2/10
62580	3	2/10
62590	3	24/09
62591	4	N24/09
63000	13	6,19,21,31,35,48/09;2,8, 11,31,34,38/10
63005	18	11,19,35,48,49/09;1,21, 44,45/10
63010	14	6,24/09;3,21/10
63015	11	7,11,48/09;5,34/10
63050	2	9,20,21,31/09;2/10
63053	5	9/09
63054	3	9,31/09
63060	7	6,9,21,35/09;2/10
63062	8	6,7,8,11,18,21,35,47,49, 52/09;3,7,15,31,37,44, 45/10
63063	9	6,35,49,52/09;7,14/10
63065	6	37,45/10
63070	4	7,8,11,17,18,19,35,49/09; 7,29,31,44/10
63080	6	6,35,48/09;3,5,14,31, 34/10
63090	9	23*,30,52/09;11,31,38, 45/10
63091	4	6,7,35,48/09;3,4,5,8,30, 34/10
63092	4	4,8,34/10
63100	2	11,35/09;11/10
63101	17	N14*,N48,N52/09;N11, N15,N42,N45/10
63102	21	N14*,N35,N52/09;N1, N11,N15,N42/10
63103	19	N7*,N11,N35/09;N1, N8/10
63110	4	11,19,35,49,50/09;1,11, 13,21/10
63111	10	14,15,50/09;13,21,34, 45/10
63112	1	N38/10
63113	1	N15,N38/10
63120	2	19,35,48/09;1,11,20,29, 44/10
63121	6	35,48/09;1,3,11,19,20,29, 44/10
63150	1	6,24,50/09;20/10
63172	5	N4/09
63200	5	37/09;3,8,44,45/10
63201	11	N41*,N52/09;N3,N8, N44/10
63205	2	52/09;3,8,44/10
63210	3	24/09;14,21/10
63220	5	14/10
63230	6	47/09
63231	9	N47/09
63250	6	35,48/09;14,44/10
63252	2	N48/09;N45/10
63260	6	17,35/09;14,15,18,34, 44/10
63268	2	14/10
63270	7	18,48,52/09;5,31/10
63271	9	N48,N51/09;N3,N31/10
63280	3	7,11/09;5/10
63290	7	6,7,11,52/09;34/10
63291	9	6/09;3,12,44/10
63310	5	50/09
63320	8	50/09;4,13/10
63321	6	13/10
63324	2	50/09;1,4/10
63352	6	16/09
63370	2	8/09
63380	2	7,11,16/09
63383	5	45/10
63390	2	7/09
63400	1	30,46/09;11/10
63410	6	45/10
63420	2	45/10
63430	3	48/09
63440	4	22,24,48/09;11,32,41/10
71005	1	7,18,30,43/09;3,14/10
71015	5	28,34/10
71018	10	4,28,34/10
71027	9	6,7,37/09;24,27,28,39, 41/10
71033	31	7,28/10
71036	8	32,34/10
71040	5	24,26,30,38/09;11,32,33, 41/10
71042	2	N13,N41/10
71043	3	26/09;13,41/10
71044	2	24,25/09;33,41/10
71045	2	35/10
71050	2	46,48/09;35/10
71058	3	N7,N12/09
71059	2	N7,N12/09
71061	16	N7,N12/09
71066	2	7,22,45/09;22,24,39/10
71091	5	N22/10*
71180	29	28,34/10
71182	2	34/10
71185	24	6/10
71186	2	6/10
71230	11	6/10
71239	4	N23,N32/09
71241	11	N8*,N11,N13,N22, N32/09;N3,N24,N29/10
71243	6	18,32/09;26/10
71244	4	14,23,32/09
71247	19	18,43,44/09;12,23,24,26, 27,29/10
71248	3	N18/09;N12,N22,N29/10
71249	2	23/10
71250	1	N36,N43,N44/09
71251	13	N36,N43,N44/09;N22, N23/10
71252	2	N2,N11,N13,N14,N16, N22,N23,N32,N36, N43/09;N3,N7,N12,N24, N29/10
71253	11	2,14,18,36,43/09;3,12,23, 26,27,28,32,45/10
71254	2	N14,N36/09;N24,N29/10
71255	7	N41*,N44/09;N12,N23, N27,N29/10
71256	2	N6,N11,N14,N18,N23, N32,N35/09;N22,N23, N26/10
71261	9	16,22,40/09
71262	7	13,16,32/09;39/10
71265	4	2,11,14,16,18,23,32,36, 43/09;3,7,23,24,26,28, 29/10
71271	11	7,32,40/09;4,14,28/10
71272	11	31,36,40/09;32,41/10
71273	3	7,32,36,40/09;28,41/10
71275	4	7,14,16,18,22,36,43/09;3, 4,7,12,14,24,29/10
71285	4	7,18,32/09;4,12,14,28/10
71295	3	17/10*
71305	2	8,30,32,45/09;11,41/10
71315	2	8,24,30,45/09;11,31,33, 41/10
71320	1	11/09;22,28,41/10
71325	8	24,32/10
71330	13	11/09;28,41/10
71331	11	11/09;6,32/10
71333	2	11/09
71340	11	32/10
71343	3	14/10
71350	8	32/10
71400	5	34/10
71410	1	32,34/10
71420	1	32/10
71440	2	11,18,36,43/09;23,24/10
71460	1	14/10
72000	8	34/10
72007	10	32/10
72014	10	14/09;28,32/10
72021	8	28/10
72028	7	4/09;4/10
72070	4	47/09
72075	2	47/09
72094	2	32,34/10
72100	7	14/09;32,34/10
72103	2	32,34/10
72105	2	14/09;32/10
72107	2	14/09;32,34/10
72109	3	35/10
72110	9	14/09;28/10
72143	5	32/09
72173	2	14/09;28/10
72231	9	N44/10*
72234	3	N42/10*
73000	9	7/10
73006	2	7/10
73014	10	23/09
73022	4	4/10
73081	2	14/09*
73291		4/10
73341	8	23/09
73393	1	N41/10*
73395	1	N10/09**
73396	1	N41/10*
73398	1	N10/09**
73441	3	N43/09*
73481	2	4/10
74000	6	41/09;38/10
74001	1	N10/09**
74002	2	29,33/09
74003	5	29/09
74010	1	N10/09**
74011	1	N10/09**
74016	3	10/09**
74019	1	N10/09**
74020	4	10/09;33/10
74021	7	10,50/09;38/10
74027	9	33/10
74033	1	N50/09
74045	1	N10/09**
74143	1	N30/10
74150	2	N44/10*
74154	1	N48/09;N29,N43/10
74155	1	N48/09
74164	1	N29,N38/10
74171	4	41/09
74180	1	N26,N27,N29/10
74190	7	11/09
74191	2	11/09**
74205	2	45/10**
74208	1	N43/09
74209	1	N43/09
74212	2	N41/10
74217	1	N11/09**
74220	8	33,36/10
74222	1	N11/09**
74224	1	N11/09**
74225	1	N11/09**
74226	2	N33/10
74227	1	N38/10
74228	3	N39/10*
74235	1	N11/09**
74237	3	N45/10*
74243	1	N45/10*
74244	1	N45/10*
74246	1	N33/10
74247	1	N33/10
74248	1	N45/10*
74249	1	N41/10*
74251	8	11/09
74252	9	41/10**
74255	1	N11/09**
74256	1	N11/09**
74258	1	N41/10*
74262	1	N33/10
74265	2	33,36,43/10
74267	1	N36/10
74270	3	35,36/10
74275	2	N36,N38/10
74276	1	N11/09**
74286	2	11/09**
74290	12	20/09*
74292	8	11/09;29/10
74295	3	29/10
74300	1	N29/10
74302	1	N12/09;N30,N35/10
74311	2	N29,N33/10
74312	1	N12/09**
74341	1	N12/09**
74342	1	N41/09;N12/10
74343	1	N12/09**
74346	1	N12/09**
74376	5	36/10**
74383	3	N44/10*
74386	1	N12/09**
74397	1	N42,N43,N46,N50, N51/09;N12,N30,N35/10
74398	2	N12,N30/10
74399	1	N12/09**
74410	3	12,43/09
74420	3	12/09
74451	2	N30/10
74464	1	N41/10*
74475	2	10/09
74491	4	12/09
74492	7	12/09**
74493	3	10,12/09;33/10
74496	1	N12/09**
74510	2	50/09
74515	4	50/09;38/10
74517	3	36/10**
74520	2	38/10
74550	4	33/10
74583	15	33/10
74588	1	N44/09
74589	1	N12/09**
74590	2	12,45/09
74593	1	N45/09;N33/10
75000	6	12/09
75025	9	4/10
75052	2	13/09
75111	1	N25/10
75114	1	N33/10
75119	1	N13/09**
75130	16	45/09;43/10
75134	3	13,45/09;43/10
75136	1	N13/09**
75137	2	N39,N45/09;N43/10
75142	5	13/09**
75143	4	13/09
75147	1	N38/10
75154	1	N13/09**
75155	1	N13/09**
75160	6	13/09
75162	1	N13/09**
75163	1	N13/09**
75164	3	N44/10*
75165	2	N33/10
75166	1	N52/09;N33/10
75169	1	N14/09**
75170	12	17/10**
75174	2	N33/10
75177	7	38/09
75178	2	N49/09
75182	1	N14/09**
75185	2	4/10
75188	1	N14/09**
75207	2	14/09**

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/09 THROUGH NM 45/10

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.
75208	2	14/09**
75210	1	N14/09**
75213	2	14/09**
75215	2	14/09**
75220	12	19/09
75222	8	14/09**
75223	1	N14/09**
75240	4	22/10
75252	1	N52/09;N33/10
75255	1	N14/09**
75266	1	N29,N43/10
75267	1	N25,N29,N30/10
75268	1	N14/09**
75269	1	N25,N30/10
75271	1	N14/09**
75272	1	N14/09**
75273	2	N14/09**
75274	1	N43/10
76015	1	13,14,22,23,25,32,48/09; 4/10
76020	7	8/09;4/10
76030	9	8,48/09;4,7,24/10
76040	8	14,16/09
76041	2	13,15,16,19,31/09
76050	8	14,20,21,22,23,25,32, 48/09;14/10
76052	8	13,14,15,20,21,22,23,25, 30,32,48/09;22,24/10
76054	5	14,21/09
76056	3	19,22,25,48/09;5,26/10
76060	7	13,22,23/09;32,41/10
76061	3	14,16,19,22,23/09;32/10
76070	9	13/09;31,38/10
76071	9	18,22/09
76080	8	14,21/09;38/10
76081	7	19,21,22,42/09;24/10
76083	3	13,21/09;35,39/10
76090	6	23,49/09;37,39/10
76110	5	7,43/10
76120	6	14,19,31/09
76141	8	22,34/09
76142	1	19/09
76146	1	15/09
76147	1	15/09
76150	6	15/09
76160	4	41/10
76161	10	15,16,18,49/09;41/10
76162	1	19/09;22/10
76170	7	18/09;24/10
76171	10	13,19/09
76180	1	7/10
81001	1	46/09
81002	6	47/09;19/10
81004	5	37,38,47/09;18/10
81012	3	46/09
81025	3	N37,N38,N47/09;N10, N18/10
81048	10	20,36,52/09
81054	16	7/09
81059	1	N47/09;N18/10
81060	2	47/09;18/10
81067	9	14/09*
81076	12	30,36/10
81435	4	5/09*
81711	7	32*,37/10
81715	5	37/10*
82005	5	34/10
82020	7	8/09
82025	3	8/09
82030	8	8/09;4,7/10
82095	2	34/10
83005	33	40/09
83010	6	12/09
83015	8	21/09
83021	1	52/09
83023	4	48/09;7/10
83024	2	48/09
83025	1	48/09
83026	32	12,35/09
83032	1	4,7/10
83034	1	10/09;4,7/10
83039	11	10,12,15,35/09;4,7/10
83059	3	22/10*
83153	2	7/09*
83251	2	21/09
83252	8	21/09
83253	2	21/09
83254	2	21/09
83382	10	N19/10*
83383	2	25/09
83385	19	11,25/09
83425	6	30/09
83484	12	24/10*
83500	1	10,19,22/09;4,7/10
83560	3	19,22/09;4/10
83567	3	21/09
83570	2	10/09;7/10
83572	2	N42/10*
83580	2	10/09;4/10
83590	1	4/10
83633	5	25,29/09
83637	4	25,29/09
91005	6	38/09;13,32,38,40/10
91008	1	2,6,8,15,23,27,28,33, 48/09;31,32,33,40/10
91010	6	2,6,8,15,23,27,28,33, 48/09;31,32,33,40/10
91020	5	23,47,51/09;32,44/10
91030	3	47/09;44/10
91120	3	33/09
91140	4	23,33/09;10/10
91151	3	10/10
91160	3	32/10
91170	2	10/10
91175	3	23,33/09
91247	6	N14/09*
91330	1	10/10
91331	3	23,47/09;44,45/10
91340	3	23,47,51/09;44,45/10
91360	2	47/09
92006	5	23/09
92010	3	32/09
92020	2	10/10
92025	3	45/10
92030	4	23/09;44,45/10
92033	5	10,13,32,38/10
92210	3	16/10
92220	2	16/10
92320	4	44,45/10
92380	3	44,45/10
92383	7	45/10
92385	4	44,45/10
92440	4	23,47/09;44/10
92450	3	47/09;44/10
92460	2	32/10*
92470	3	23/09;44/10
92480	2	10/10
92500	1	10/10
92560	4	35/09
93006	3	4,6,11,28,49/09;19,31,33, 39/10
93010	6	6,7,24,26,27,30,35,37/09; 13,27,33,39,41/10
93018	8	6,7,24,26,30,35,37/09;13, 27,33,39,41/10
93020	2	24/10
93025	5	37/10
93030	7	38/10*
93036	11	6,11,28/09;39,40/10
93044	2	37/10
93045	2	13,38/10
93047	2	37/10
93048	1	11/09;22/10
93049	1	24,38/10
93050	1	N37/09
93110	2	6,11/09
93113	3	N7,N22/09
93115	3	N30/09*
93117	3	7,11/09
93160	4	6,12,24,30/09;39/10
93180	8	N24,N30,N35,N37/09; N27,N32,N33,N41/10
93200	4	24,30,35,37/09;11,31,33, 41/10
93220	6	24,26,27,35,37/09;32,34, 41/10
93224	3	34/10
93240	11	24,26,27,28,35,37/09;12, 33,34/10
93241	9	25,26,28,51,52/09;33,34, 41/10
93242	7	33,41/10
93243	6	25/09
93244	8	25,37/09;33,34/10
93245	6	25,30,35,51/09;11,12,31, 32,33,34/10
93247	5	12,31,34/10
93248	1	26,35/09;11,32,34/10
93249	1	30,37/09;33,34/10
93260	8	24,26,28,35/09;12,27,32, 34/10
93261	5	28,35/09;27,34/10
93280	5	32,34/10
93404	6	31,35/10
93520	13	34/10
93610	3	8,12,14/10
93650	2	8,9/09;12/10
93680	3	8/10
93688	3	N8,N12/10
93690	3	12/10
93710	3	8/09;14,38/10
93720	11	6,13,25,49/09
93721	6	N6,N8,N13,N22,N25, N36,N49/09;N4,N7,N27, N29,N32,N37,N39,N41, N44/10
93726	5	6,21/09
93728	2	7/09;5/10
93730	4	4,6,8,11,13,25,49/09;4, 19,22,37/10
93733	14	N4,N6,N13,N40,N49/09; N4,N13,N19,N29,N32, N44/10
93734	13	N6,N13/09;N4,N9,N19, N29,N44/10
93736	25	N6,N31,N40,N49/09;N9, N13,N15,N29,N44, N45/10
93778	8	16/09;8/10
94004	6	2,6,15,34,48/09;30,31,33, 38/10
94016	3	12*,30,33,38/10
94028	8	48/09*;5,20,37,38,41/10
94033	5	6,8,9,15,23,38/09;8,19, 35,38/10
94040	14	6,15/09;8,24,31,33,39/10
94042	9	6,7,9/09;24/10
94060	12	2,15,48/09;6,13,33,38/10
94061	6	12,13,38/10
94063	5	28/09;6,10/10
94067	11	6,15,27,28/09;33/10
94080	8	12*,31/10
94082	9	16,28/09;31/10
94083	12	16/09
94084	1	16/09;45/10
94120	7	6,8,15,28,34/09;19,29, 30/10
94122	8	N39/09*;N29,N32/10
94123	9	6,15,28,34/09;16,19,30, 34/10
94124	15	N6,N15/09;N30/10
94127	2	28/09;34/10
94160	9	34/09;13,19,30,36,38/10
94164	2	9/09
94165	4	8,9/09;14/10
94180	9	9,16/09
94184	2	N16/09
94187	3	14/10
94188	2	6,10/09;5,39/10
94203	10	6,8,9,10/09
94207	5	N6/09
94216	8	N12,N37,N39/10
94217	6	N39/10
94220	4	6,8,10/09;12,38/10
94260	6	44/10*
94280	6	N44/10*
94281	7	N7/09
94282	9	2/09;38,39/10
94283	8	N18/09;N38/10
94287	2	2/09;39/10
94290	2	2,6/09;14,39/10
94322	14	38/09
94360	6	3,6,8,11,15,18,23/09;35, 38/10
94361	13	37/10
94363	4	11,13,15,18/09;35,38/10
94380	4	N6/09;N5,N35/10
94384	4	5/10
94420	3	6,9,15,23/09;35,36,38, 39/10
94421	11	7,15/09
94423	12	7,15/09
94440	3	6,38/09
95016	8	14,23,29/09;7,15,18/10
95040	9	8/10
95060	14	23,28,42/09;6,8,9,10, 19/10
95065	7	N19/10*
95066	13	N38*,N41/10
95067	15	N44/09*;N10,N24,N25, N26,N27,N29,N31, N45/10
95068	2	N44/09;N28,N31/10
95080	14	8,9,11,13,18,22,28,31,32, 34,39,40,42/09;6,12,18, 22,37,45/10
95082	10	N8,N31,N32,N34,N39, N41/09;N23/10
95083	8	9,22,27,43,50/09;5,11/10
95084	7	32,43,48/09;8,22,27,32, 45/10
95085	4	8,11,27,32,45/10
95086	5	4,8,11/10
95100	13	9,11,14,26,28,31,32/09;8, 12,18,19,37,45/10
95101	8	9,18,22,26,28,30,48/09;7, 9,16,37/10
95102	8	9,11,22,30/09;4,6,7,8,10, 12,13,19,37/10
95103	8	9,14,23,27,30,32,42, 49/09;3,5,6,7,9,10,11,12, 13,17,18,35,36,45/10
95120	9	49/09;3,7,17,18,45/10
95138	9	N14/09
95140	15	22,24,25,37/09;1,12,14, 16,17,18,22,35/10
95141	8	6,9,11,14,27,47,50/09;6, 11,12,14,19,32,45/10
95142	9	42,43/09;1,3,6,20,22, 34/10
95143	12	N6,N8,N13,N14,N22/09; N1,N7,N32/10
95144	10	9,18,31,32,37/09;1,5,6,7, 16,17,19,21,26/10
95146	16	27,31,48/09;6,7,16,17,18, 19,21,24,26,28,31,32,35, 42/10
95147	14	48/09;12,16,24,26,28,31, 32,45/10
95149	10	6,22,27,30,32,40,51/09;5, 16,17,18,21,25,27,42/10
95151	18	8,22,32,40,51/09;5,12,24, 25,27,29,35,42/10
95152	6	22,40/09;18,21,25,27,29, 42/10
95153	3	21,24,27,42/10
95160	14	48/09*;11,14,16,17,18, 20,32,38/10
95161	16	9,11,13,21,28,40,41,42, 43,49,50/09;8,11,12,13, 17,28/10
95162	2	4,9/09;5,7,41/10
95163	2	31,44/09;7,16,19,28,30, 32,34,35,37,38/10
95164	4	4,22,43/09;7,16,27/10
95167	11	N35/09*;N26,N30,N31, N35/10
95169	2	4,9,41,42/09;4,15/10
95171	1	8,13,23/09;5,8,10,16,19, 21,22/10
95172	1	10,16/10
95173	1	49,50/09;3,5,18/10
95174	1	50/09;18/10
95176	2	3,11,18,23/10
95177	2	N43/09*;N30,N35, N38/10
95180	11	8,11,13,23,41,44,49/09;3, 4,5,6,7,8,15,18,19,21, 22/10
95185	3	5,11,20,32/10
95200	6	14,49/09;5,9,19/10
95250	4	21,23,36,41,47/09;2,11, 15,38,39/10
95255	2	24,25/09
95258	3	25,40/09
95261	7	24,25,26,38/09;39/10
95264	9	N39/09;N39/10
95267	6	37/09

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/09 THROUGH NM 45/10

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.
95268	16	48/09
95270	5	49/09;38/10
95271	5	N50/09*
95273	2	24,25,43/09
95274	4	24,25,26,38/09;38,39/10
95276	4	45/09
95280	10	24,26/09;17/10
95281	15	42/09
95282	8	N10/10*
95285	3	26,48/09
95300	6	34,37/09;17/10
95320	15	41,45/09;11/10
95341	9	N8*,N34,N35,N41,N42, N46,N47/09;N11,N38/10
96000	5	24/09
96004	14	14,21,24,29/09;7/10
96020	4	45/09
96024	3	5,14/10
96028	5	1,45/10
96032	3	41/10
96036	2	41/09
96039	7	14,47/09;4,5,7,35/10
96041	11	39,47/09;4,7,30,33,36/10
96042	11	17,39,47/09;10,12,25,27, 28,32,33,41/10
96043	8	14/09;5,7,14,30/10
96044	10	48,51/09;14,23,30,33,36, 40/10
96060	7	5/10
96181	5	39/09;30,36/10
96200	5	17,24,44,45,48/09;7/10
96340	4	46/09
96381	2	46/09
96441	1	12,36/10
96660	4	41/09
96760	4	36,38,44/09
96762	4	36,38,48/09
96763	7	36,38,45/09
96764	3	36,44,48/09;38/10
96880	6	5,14/10
96900	4	24,36,44,45,47/09
96901	3	24,36,44,45,47/09;38/10
96904	3	44/09
96906	2	24/09
96910	1	5,14/10
96937	2	44,52/09
96938	4	24,44,45/09
96939	3	24,36/09;8,42/10
96940	1	N24/09;N5/10
96941	8	3,23,24,32,38/09;5/10
96942	10	N5*,N23/09;N5/10
96943	15	21,23,29,36,38,41/09;2, 11,15,38,39/10
96944	6	26,42,47/09
96945	3	21,23,24,29,38,41/09;11, 15,39/10
96948	8	21,36/09;39/10
96949	21	21/09;13/10
96960	3	3,23,24,32,36,45/09;5,8, 42/10
96962	4	21,36/09;11/10
97005	9	21,22,23,25,29,36/09; 11/10
97015	10	7,25,35,37,47/09;3/10
97021	7	7,25,26,31,37/09;3,5, 17/10
97026	10	7,26,29,38,45,46/09
97029	3	7,25,32,35,37/09;20/10
97040	5	22,30/09;1,17/10
97041	9	1,13/10
97042	7	22,30/09;17/10
97043	2	26,49/09
97060	8	22,27,30/09;17/10
97061	4	22/09
97062	13	10*,22,39/09
97063	2	30/09;7/10
97064	2	22,30/09
97065	2	22/09
97080	6	22,26/09;1,13,42/10
97082	6	N39/09
97100	4	7,26,47/09;1,12,13,42/10
97101	2	30,47/09;12/10
97104	4	1/10
97105	3	1,42/10
97108	4	30,47/09;12/10
97120	6	4,6,15,16,30,37,47/09; 3/10
97140	17	6,15,16,25,30,32,34,35, 36,37/09;3,13,15,17,22, 37/10
97141	5	4,6,15,47/09
97143	12	4,6,15,30,44,50/09;3, 39/10
97144	14	4,6,15,16,30,44,50/09
97145	2	30,37,50/09;3/10
97146	10	3,30,50,51/09;15/10
97148	9	4,15,38,50/09
97149	21	N24*,N30/09;N39/10
97150	13	30/09
97151	17	4,15,30/09;21,39/10
97154	2	17/10
97155	15	30/09;21/10
97156	6	44/09;7/10
97159	6	25,34,37/09;13,15,22/10
97163	14	52/09;22/10
97164	1	52/09;13,22/10
97166	2	N37/10
97167	3	25/09;37/10
97180	7	N5*,N15,N38/10
97181	20	26,30,32,36,37,46,48, 50/09;2,5,12,38,42/10
97182	14	N33*,N48/09;N5/10
97183	9	30,36/09;38/10
97184	16	N35/09*;N38/10
97185	2	47/09;42/10
97187	3	36/09
97188	3	47,52/09;5,42/10
97189	2	30/09;38/10
97190	2	26,31,32,36,37,45,50/09; 8,16,20/10
97200	9	38,47,48,52/09;8,16, 20/10
97201	7	26,45/09;8/10
97202	16	N47/09
97204	9	31,38,52/09;10,20/10
97206	3	20/10
97218	3	37/09;12/10
97219	4	37,52/09;12,17/10
97220	4	50/09;39/10
97221	21	N18*,N31,N35,N41, N47,N48,N50,N52/09; N1,N10,N12,N17,N20, N38,N39/10
97222	12	31,41,48,52/09;1,38/10
97225	32	31,41,50,52/09;1,10,20, 38,39/10
97228	16	N34/09*;N39/10
97229	12	50/09;39/10
97231	11	37/09;12/10
97232	9	31/09
97233	12	35,39,43,50/09;11,12,13, 38,43/10
97234	17	35,49/09;13,38/10
97235	2	9,11/10
97236	20	31,43,49/09;38/10
97238	11	31/09
97239	10	35,37,43/09
97241	6	35,36/09
97243	9	N31,N34,N37,N39,N43, N50/09;N12,N16,N43/10
97244	5	39/09;7/10
97245	11	39/10
97246	7	31/09
97251	4	31,52/09
97261	15	31,35,36,38,50/09;1, 38/10
97262	11	N43/09;N1/10
97263	10	31,35/09
97266	6	N5*,N12,N38,N43,N44, N45/10
97267	16	28,39,44,47,50/09;38/10
97269	12	N39/09*
97270	7	N38,N47/09
97271	12	31,41/09;5/10
97272	11	27,35,41,43,52/09;7/10
97273	11	27,31,41,52/09;5,7,21/10
97274	19	31,40,48,52/09;2,7,11,16, 38/10
97276	2	44/09
97277	12	26,31,35,39,41,43/09;5,7, 13,20,21,38/10
97278	12	31,38,43,46/09;5,13,20, 21,37/10
97279	10	N14/09*;N5,N20/10
97281	3	21/10
97283	4	N31/09;N20/10
97285	7	41,52/09;11,38/10
97286	7	34,41,47,52/09;2,38/10
97287	6	34,44,47/09;11/10
97300	6	30,36,38,46/09;37,39/10
97304	1	39/10
97320	6	38,43,46/09;37,39/10
97340	8	26,34/09;37/10
97342	14	34/09;37/10
97343	12	34/09
97360	6	23,24,37,46,52/09;7,14, 37/10
97380	7	8,9,10,14,16,17,24,25,46, 47/09;2,4,5,7,14,37, 39/10
97381	7	37,46,52/09;7,14,37/10
97383	16	24,25,37,44,46/09;1,2,7, 11,15,37/10
97384	5	44,46/09;15/10
97385	11	25,44/09;1,7,11/10
97386	6	40/09
97387	3	36,44/09;1,7/10
97389	2	11/10
97390	6	N13*,N14,N25,N34, N44,N47/09;N2/10
97391	27	34/09
97392	5	17,25,34/09;4,37,39/10
97396	14	8,9,10,14,17,25,47/09;2, 4,14,37,39/10
97397	8	N9*,N10,N14,N17/09; N4,N37/10
97398	4	9,10/09;4,37/10
97400	4	8,10,37,39/09;4/10
97409	5	26/09
97410	9	25,36/09;4/10
97412	7	25/09
97420	17	24,25,36,41,46,47/09;4,7, 11,14,38,39/10
97421	13	47/09;7,38/10
97423	3	N25,N47/09
97425	7	N5*,N25,N36/09;N38, N39/10
97440	8	26,37,43,46/09;10,16, 37/10
97441	5	24,43,46/09;16/10
97443	6	24,43,46/09;16/10
97460	7	6,12,16,19,37,43,46/09; 10,16/10
97461	9	6,12,14,16,19,37/09; 18/10
97465	9	6,12,14,23,34/09
97466	3	N48/09*
97469	10	12,34/09;18/10
97471	6	N25/09*
97472	8	6,12/09
97473	8	N19/10*
97474	7	12/09
97480	8	6,8,15/09;16,30/10
97481	6	34/09
97483	7	32,38/09;16/10
97521	6	49/09;20/10
97564	3	34/09
800113	6	N26*,N46/09;N38, N41/10
800669	9	N26*,N34,N46/09;N7, N12,N38,N41/10
800744	1	N3,N26,N41,N46/09
801217	1	N6,N12,N16/09
801959	2	N21/09
802202	8	N44/10
802260	6	N26*,N34/09;N7,N12/10
803222	1	N31/09*
803400	1	N40/10*
803401	1	N24/10*
803405	1	N46/09*
803408	1	N47/09*
803410	1	N46/09*
803417	1	N24/10*
803418	1	N47/09*
803429	1	N31/10*
803436	1	N47/09*
803450	1	N40/10*
803452	1	N10/10*
803456	1	N47/09*
803457	1	N40/10*
803458	1	N46/09*
803463	1	N40/10*
803470	1	N46/09*
803472	1	N31/10*
803475	1	N46/09*
803482	1	N47/09*
803486	1	N47/09*
803487	1	N40/10*
803489	1	N10/10*
803496	1	N46/09*
803738	1	N40/10*
804233	1	N31/09*
804344	1	N31/09*
804567	4	N40/09;N2,N5/10
805118	4	N6/10*
805576	1	N31/09*
805647	2	N32,N43,N48/09;N6/10
805980	4	N24,N41/09;N15,N18/10
806413	1	N31/09*
806464	1	N31/09*
806675	1	N31/09*
806901	1	N47/09*
806928	1	N40/10*
806929	1	N40/10*
806946	1	N46/09*
806952	1	N47/09*
806958	1	N47/09*
806959	1	N31/10*
806967	1	N24/10*
807448	2	N24,N41/09;N15/10
808528	1	N41/09
808568	1	N49/09;N31,N33/10
808916	4	N6/09*
809055	7	N8,N29,N32/10
809310	10	N47/09*
809381	1	N31/09*
809679	2	N30/09;N22,N27,N34, N43,N44/10
809780	1	N13,N37/09

SECTION II
NGA/DLIS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.			Edition			
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date	Price Category	NTM
	REGION 7					
74BHA74205 (7642014014667)	Canceled Note: Replaced by Chart 74244					45/10
74BHA74237 (7642015273139)	Aus. 257, Townsville Harbour and Ross River Entrance	7,500	3	11/08	AHS	45/10
74BCO74243 (7642015273236)	Aus. 827, Cape Bowling Green to Palm Isles 19 30 38S 146 15 06E 18 34 10S 147 49 00E	150,000	1	5/06	AHS	45/10
74BHA74244 (7642015366781)	Aus. 245, Port of Gladstone 23 53 39S 151 08 52E 23 44 49S 151 24 04E	25,000	1	4/07	AHS	45/10
74BCO74248 (7642015366808)	Aus. 253, Whitsunday Passage 20 25 00S 148 40 30E 20 11 44S 149 04 33E Plan: Shute Harbour 20 18 48S 148 46 56E 20 16 36S 148 48 48E	37,500 15,000	1	5/05	AHS	45/10
	MISCELLANEOUS CHARTS AND PUBLICATIONS					
CDPUBQTLY (7644015310779)	Pub 140, North Atlantic Ocean and Adjacent Seas (Planning Guide), 2010		9			45/10
CDPUBQTLY (7644015310779)	Digital Nautical Publications-Quarterly Update (3rd Quarter 2010)		103		DS	45/10

Price Categories effective 1 October 2010

A	21.25	E	11.00	G	6.50
D	13.25	F	11.00	H	11.00

CHS Canadian Hydrographic Service
DS Distribution Limited
GPO Government Printing Office
NOS National Ocean Service
UKHO United Kingdom Hydrographic Office
DHO Danish Hydrographic Office
AHS Australian Hydrographic Service
* Not for sale or reproduction outside U.S.A.

To locate the nearest FAA Sales Agents in your area, go to: **http://naco.faa.gov/agents.asp**

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

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

SAILING DIRECTIONS CORRECTIONS

PUB 140 9 Ed 2010 NEW EDITION
(NGA) 45/10

COAST PILOT CORRECTIONS

COAST PILOT 1 40 Ed 2010 Change No. 10
LAST NM 40/10

Page 203—Paragraph 33, lines 1 to 2; read:

In 2009, the controlling depth was 6.3 feet in the channel to the anchorages, thence 4.7 to 8 feet in …
(CL 816/10; DD 18065) 45/10

Page 245—Paragraph 223, lines 4 to 5; read:

Barred Islands, 300 yards westward, uncovers at low water. In 2010, shoaling to 2 feet was reported within the Barred Islands at 44°14'07.6"N., 68°48'23.1"W. **Oak Island**, 1.5 miles west-southwestward …
(CL 988/10) 45/10

Page 323—Paragraph 30, lines 12 to 21; read:

by a daybeacon. In 2009, the controlling depth in the entrance channel was 5.2 feet to Brimstone Point about 1.8 miles above the entrance, thence a naturally deep channel leads to Cow Island. A basin northwest of Cow Island surrounds the bare mudflats in the middle of the river. The bar is subject to change; local knowledge is advised. The area in the vicinity of the submerged pilings at the southeast end of the flats should be avoided.
(CL 777/10; DD 18006) 45/10

Page 340—Paragraph 285, line 6; read:

small craft. An anchorage area is in the cove and a buoy northwestward of Fishing Island …
(CL 459/10; 24/10 CG1) 45/10

Page 392—Paragraph 221, line 7; read:

channel above a height of 83 feet. In 2010, a lift bridge with a design clearance of 7 feet down and 175 feet up was under construction; upon completion, it will replace the Chelsea Street bascule bridge. (See **117.1 through** …
(CL 356/10) 45/10

Page 406—Paragraph 59; read:

In 2010, the controlling depth was 6.5 feet (8 feet at midchannel) to just inside the east jetty, thence 5.8 feet to the turning basin at the head of the project except for shoaling to bare around Blackman's Point; 6 feet can be carried in the left outside quarter around the shoal. Depths of 5 to 6 feet were available in the anchorage basin and turning basin.
(CL 241/10; DD 17242; CL 723/10; DD 17941) 45/10

COAST PILOT 1 40 Ed 2010 Change No. 11

Page 85—Paragraphs 1033 to 1044; read:

(7) All bulk liquefied gas cargo carried under 46 CFR 151.50-31 or listed in 46 CFR 154.7 that is flammable and/or toxic and that is not carried as certain dangerous cargo residue (CDC residue).

(8) The following bulk liquids except when carried as CDC residue:

(i) Acetone cyanohydrin;
(ii) Allyl alcohol;
(iii) Chlorosulfonic acid;
(iv) Crotonaldehyde;
(v) Ethylene chlorohydrin;
(vi) Ethylene dibromide;
(vii) Methacrylonitrile;
(viii) Oleum (fuming sulfuric acid); and
(ix) Propylene oxide, alone or mixed with ethylene oxide.

(9) The following bulk solids:

(i) Ammonium nitrate listed as Division 5.1 (oxidizing) material in 49 CFR 172.101 except when carried as CDC residue; and

(ii) Ammonium nitrate based fertilizer listed as a Division 5.1 (oxidizing) material in 49 CFR 172.101 except when carried as CDC residue.

Certain dangerous cargo residue (CDC residue) includes any of the following:

(1) Ammonium nitrate in bulk or ammonium nitrate based fertilizer in bulk remaining after all saleable cargo is discharged, not exceeding 1,000 pounds in total and not individually accumulated in quantities exceeding two cubic feet.

(2) For bulk liquids and liquefied gases, the cargo that remains onboard in a cargo system after discharge that is not accessible through normal transfer procedures, with the exception of the following bulk liquefied gas cargoes carried under 46 CFR 151.50-31 or listed in 46 CFR 154.7:

(i) Ammonia, anhydrous;
(ii) Chlorine;
(iii) Ethane;
(iv) Ethylene oxide;
(v) Methane (LNG);
(vi) Methyl bromide;

COAST PILOT 1 (Continued)

(vii) Sulfur dioxide; and
(viii) Vinyl chloride.
(FR 9/28/10) 45/10

COAST PILOT 1 40 Ed 2010 Change No. 12

Page 308—Paragraph 593, lines 9 to 13; read:

the channel is State maintained. In 2008, the controlling depth was 3.5 feet (6.6 feet at midchannel) from Buoy 4 to Buoy 18, thence 3.8 feet to the basin, with depths of 1.7 to 6.0 feet available in the basin except shoaling to bare in the northeast corner. In 1993, shoaling to …
(CL 1089/10; BPs 193934-37) 45/10

Page 368—Paragraph 95, lines 10 to 14; read:

lighted bell buoy.
(14/10 CG1) 45/10

COAST PILOT 3 43 Ed 2010 Change No. 11
LAST NM 39/10

Page 87—Paragraphs 1185 to 1196; read:

(7) All bulk liquefied gas cargo carried under 46 CFR 151.50-31 or listed in 46 CFR 154.7 that is flammable and/or toxic and that is not carried as certain dangerous cargo residue (CDC residue).

(8) The following bulk liquids except when carried as CDC residue:

(i) Acetone cyanohydrin;
(ii) Allyl alcohol;
(iii) Chlorosulfonic acid;
(iv) Crotonaldehyde;
(v) Ethylene chlorohydrin;
(vi) Ethylene dibromide;
(vii) Methacrylonitrile;
(viii) Oleum (fuming sulfuric acid); and
(ix) Propylene oxide, alone or mixed with ethylene oxide.

(9) The following bulk solids:

(i) Ammonium nitrate listed as Division 5.1 (oxidizing) material in 49 CFR 172.101 except when carried as CDC residue; and

(ii) Ammonium nitrate based fertilizer listed as a Division 5.1 (oxidizing) material in 49 CFR 172.101 except when carried as CDC residue.

Certain dangerous cargo residue (CDC residue) includes any of the following:

(1) Ammonium nitrate in bulk or ammonium nitrate based fertilizer in bulk remaining after all saleable cargo is discharged, not exceeding 1,000 pounds in total and not individually accumulated in quantities exceeding two cubic feet.

(2) For bulk liquids and liquefied gases, the cargo that remains onboard in a cargo system after discharge that is not accessible through normal transfer procedures, with the exception of the following bulk liquefied gas cargoes carried under 46 CFR 151.50-31 or listed in 46 CFR 154.7:

(i) Ammonia, anhydrous;
(ii) Chlorine;
(iii) Ethane;
(iv) Ethylene oxide;
(v) Methane (LNG);
(vi) Methyl bromide;
(vii) Sulfur dioxide; and
(viii) Vinyl chloride.
(FR 9/28/10) 45/10

Page 273—Paragraph 186, line 4; read:

head. In 2010, a controlling depth of 2.2 feet was …
(CL 1175/10; BPs 193947-48) 45/10

Page 316—Paragraph 166, lines 6 to 11; read:

76 feet; a fog signal is at the channel span of the bridge. (See **117.1 through 117.59 and 117.255**, chapter 2, for drawbridge regulations.) Rocks are on the western edge of …
(CL 1128/10) 45/10

Page 342—Paragraph 96, lines 5 to 6; read:

fishing village of **Wenona**. In 2010, the controlling depth was 1.8 feet. Gasoline, diesel fuel and some supplies …
(CL 1192/10; DD 18521) 45/10

COAST PILOT 4 42 Ed 2010 Change No. 2
LAST NM 42/10

Page 110—Paragraphs 1516 to 1527; read:

(7) All bulk liquefied gas cargo carried under 46 CFR 151.50-31 or listed in 46 CFR 154.7 that is flammable and/or toxic and that is not carried as certain dangerous cargo residue (CDC residue).

(8) The following bulk liquids except when carried as CDC residue:

(i) Acetone cyanohydrin;
(ii) Allyl alcohol;
(iii) Chlorosulfonic acid;
(iv) Crotonaldehyde;
(v) Ethylene chlorohydrin;
(vi) Ethylene dibromide;
(vii) Methacrylonitrile;
(viii) Oleum (fuming sulfuric acid); and
(ix) Propylene oxide, alone or mixed with ethylene oxide.

(9) The following bulk solids:

COAST PILOT 4 (Continued)

(i) Ammonium nitrate listed as Division 5.1 (oxidizing) material in 49 CFR 172.101 except when carried as CDC residue; and

(ii) Ammonium nitrate based fertilizer listed as a Division 5.1 (oxidizing) material in 49 CFR 172.101 except when carried as CDC residue.

Certain dangerous cargo residue (CDC residue) includes any of the following:

(1) Ammonium nitrate in bulk or ammonium nitrate based fertilizer in bulk remaining after all saleable cargo is discharged, not exceeding 1,000 pounds in total and not individually accumulated in quantities exceeding two cubic feet.

(2) For bulk liquids and liquefied gases, the cargo that remains onboard in a cargo system after discharge that is not accessible through normal transfer procedures, with the exception of the following bulk liquefied gas cargoes carried under 46 CFR 151.50-31 or listed in 46 CFR 154.7:

(i) Ammonia, anhydrous;
(ii) Chlorine;
(iii) Ethane;
(iv) Ethylene oxide;
(v) Methane (LNG);
(vi) Methyl bromide;
(vii) Sulfur dioxide; and
(viii) Vinyl chloride.

(FR 9/28/10) 45/10

(i) Ammonium nitrate listed as Division 5.1 (oxidizing) material in 49 CFR 172.101 except when carried as CDC residue; and

(ii) Ammonium nitrate based fertilizer listed as a Division 5.1 (oxidizing) material in 49 CFR 172.101 except when carried as CDC residue.

Certain dangerous cargo residue (CDC residue) includes any of the following:

(1) Ammonium nitrate in bulk or ammonium nitrate based fertilizer in bulk remaining after all saleable cargo is discharged, not exceeding 1,000 pounds in total and not individually accumulated in quantities exceeding two cubic feet.

(2) For bulk liquids and liquefied gases, the cargo that remains onboard in a cargo system after discharge that is not accessible through normal transfer procedures, with the exception of the following bulk liquefied gas cargoes carried under 46 CFR 151.50-31 or listed in 46 CFR 154.7:

(i) Ammonia, anhydrous;
(ii) Chlorine;
(iii) Ethane;
(iv) Ethylene oxide;
(v) Methane (LNG);
(vi) Methyl bromide;
(vii) Sulfur dioxide; and
(viii) Vinyl chloride.

(FR 9/28/10) 45/10

COAST PILOT 5 38 Ed 2010 Change No. 9
LAST NM 42/10

Page 117—Paragraphs 1645 to 1656; read:

(7) All bulk liquefied gas cargo carried under 46 CFR 151.50-31 or listed in 46 CFR 154.7 that is flammable and/or toxic and that is not carried as certain dangerous cargo residue (CDC residue).

(8) The following bulk liquids except when carried as CDC residue:

(i) Acetone cyanohydrin;
(ii) Allyl alcohol;
(iii) Chlorosulfonic acid;
(iv) Crotonaldehyde;
(v) Ethylene chlorohydrin;
(vi) Ethylene dibromide;
(vii) Methacrylonitrile;
(viii) Oleum (fuming sulfuric acid); and
(ix) Propylene oxide, alone or mixed with ethylene oxide.

(9) The following bulk solids:

Page 253—Paragraph 333, lines 8 to 15; read:

marked by a light, buoys, and daybeacons. In 2010, aids to navigation were relocated to mark the best water in the entrance channel to Light 7 due to shoaling to bare, thence the controlling depth was 7.4 feet (8 feet at midchannel) to the highway bridge, thence 5.6 feet (6.4 feet at midchannel) to the Intracoastal Waterway, thence 8 feet in the remainder of the channel, thence 7.4 to 8.0 feet in the turning basin except for …

(DDs 17313-21) 45/10

Page 289—Paragraph 31, line 2 to Paragraph 32; read:

crosses St. Marks River about 0.5 mile below the small resort town of **Newport**.

(NOS 11406; NOS/10) 45/10

Page 307—Paragraph 286, lines 11 to 14; read:

River. In 2010, the controlling depth was 7.2 feet (10.0 feet at midchannel) to the Highway 90 Bridge; thence in 2009, 6.7 feet (9.2 feet at midchannel) to Gonzales Lake, thence 3.2 feet (3.9 feet at midchannel) to the Mansanto Dock.

(CL 664/10; DDs 17862-63; DD 16161) 45/10

COAST PILOT 5 (Continued)

Page 314—Paragraph 46, lines 6 to 9; read:

at miles 1.6 and 2.5 respectively. In 2010, the controlling depth was 7.1 feet (9.5 feet at midchannel) to Daybeacon 30, thence 4.2 feet to the head of the project, thence a depth of 7.0 feet was available in …

(CL 980/10; DD 17919) 45/10

Page 328—Paragraph 225, lines 5 to 6; read:

and a daybeacon. In 2010, the controlling depth in the channel was 7.3 feet.

(CL 962/10; DD 18238) 45/10

Page 392—Paragraph 123, lines 5 to 6; read:

buoys. In 2010, the controlling depth through the pass was 10 feet. The current …

(DD 18307) 45/10

Page 392—Paragraph 124, lines 6 to 7; read:

maintained by the Corps of Engineers. In April-August 2010, the controlling depth was 5 feet. The channel is …

(DD 18307; DD 17517) 45/10

Page 437—Paragraph 249, lines 4 to 5; read:

basin. In August 2010, the controlling depth was 34.4 feet (39.8 feet at midchannel) in the canal and 36.8 to 40.0 feet in …

(CL 1097/10) 45/10

Page 488—Paragraph 119, lines 7 to 8; read:

clearance of 34 feet. Close N of the highway bridge is a pedestrian fixed bridge with a horizontal clearance of 32 feet and a vertical clearance of 12 feet. A marina, …

(CL 1133/10) 45/10

COAST PILOT 7 42 Ed 2010 Change No. 27
LAST NM 42/10

Page 141—Paragraphs 2213 to 2227; read:

(7) All bulk liquefied gas cargo carried under 46 CFR 151.50-31 or listed in 46 CFR 154.7 that is flammable and/or toxic and that is not carried as certain dangerous cargo residue (CDC residue).

(8) The following bulk liquids except when carried as CDC residue:

(i) Acetone cyanohydrin;
(ii) Allyl alcohol;
(iii) Chlorosulfonic acid;
(iv) Crotonaldehyde;
(v) Ethylene chlorohydrin;
(vi) Ethylene dibromide;
(vii) Methacrylonitrile;
(viii) Oleum (fuming sulfuric acid); and
(ix) Propylene oxide, alone or mixed with ethylene oxide.

(9) The following bulk solids:

(i) Ammonium nitrate listed as Division 5.1 (oxidizing) material in 49 CFR 172.101 except when carried as CDC residue; and

(ii) Ammonium nitrate based fertilizer listed as a Division 5.1 (oxidizing) material in 49 CFR 172.101 except when carried as CDC residue.

Certain dangerous cargo residue (CDC residue) includes any of the following:

(1) Ammonium nitrate in bulk or ammonium nitrate based fertilizer in bulk remaining after all saleable cargo is discharged, not exceeding 1,000 pounds in total and not individually accumulated in quantities exceeding two cubic feet.

(2) For bulk liquids and liquefied gases, the cargo that remains onboard in a cargo system after discharge that is not accessible through normal transfer procedures, with the exception of the following bulk liquefied gas cargoes carried under 46 CFR 151.50-31 or listed in 46 CFR 154.7:

(i) Ammonia, anhydrous;
(ii) Chlorine;
(iii) Ethane;
(iv) Ethylene oxide;
(v) Methane (LNG);
(vi) Methyl bromide;
(vii) Sulfur dioxide; and
(viii) Vinyl chloride.

(FR 9/28/10) 45/10

COAST PILOT 7 42 Ed 2010 Change No. 28

Page 454—Paragraph 131, line 4; read:

1989-2009, the midchannel depth was 4 feet to the ferry ...

(DD 15121) 45/10

Page 570—Paragraph 457; strike out.

(CL 1129/10) 45/10

COAST PILOT 8 32 Ed 2010 Change No. 4
LAST NM 37/10

Page 61—Paragraphs 446 to 457; read:

(7) All bulk liquefied gas cargo carried under 46 CFR 151.50-31 or listed in 46 CFR 154.7 that is flammable and/or toxic and that is not carried as certain dangerous cargo residue (CDC residue).

(8) The following bulk liquids except when carried as CDC residue:

(i) Acetone cyanohydrin;
(ii) Allyl alcohol;

COAST PILOT 8 (Continued)

(iii) Chlorosulfonic acid;
(iv) Crotonaldehyde;
(v) Ethylene chlorohydrin;
(vi) Ethylene dibromide;
(vii) Methacrylonitrile;
(viii) Oleum (fuming sulfuric acid); and
(ix) Propylene oxide, alone or mixed with ethylene oxide.

(9) The following bulk solids:

(i) Ammonium nitrate listed as Division 5.1 (oxidizing) material in 49 CFR 172.101 except when carried as CDC residue; and

(ii) Ammonium nitrate based fertilizer listed as a Division 5.1 (oxidizing) material in 49 CFR 172.101 except when carried as CDC residue.

Certain dangerous cargo residue (CDC residue) includes any of the following:

(1) Ammonium nitrate in bulk or ammonium nitrate based fertilizer in bulk remaining after all saleable cargo is discharged, not exceeding 1,000 pounds in total and not individually accumulated in quantities exceeding two cubic feet.

(2) For bulk liquids and liquefied gases, the cargo that remains onboard in a cargo system after discharge that is not accessible through normal transfer procedures, with the exception of the following bulk liquefied gas cargoes carried under 46 CFR 151.50-31 or listed in 46 CFR 154.7:

(i) Ammonia, anhydrous;
(ii) Chlorine;
(iii) Ethane;
(iv) Ethylene oxide;
(v) Methane (LNG);
(vi) Methyl bromide;
(vii) Sulfur dioxide; and
(viii) Vinyl chloride.

(FR 9/28/10) 45/10

COAST PILOT 9 28 Ed 2010 Change No. 2
LAST NM 38/10

Page 62—Paragraphs 444 to 455; read:

(7) All bulk liquefied gas cargo carried under 46 CFR 151.50-31 or listed in 46 CFR 154.7 that is flammable and/or toxic and that is not carried as certain dangerous cargo residue (CDC residue).

(8) The following bulk liquids except when carried as CDC residue:

(i) Acetone cyanohydrin;
(ii) Allyl alcohol;
(iii) Chlorosulfonic acid;
(iv) Crotonaldehyde;
(v) Ethylene chlorohydrin;
(vi) Ethylene dibromide;
(vii) Methacrylonitrile;
(viii) Oleum (fuming sulfuric acid); and
(ix) Propylene oxide, alone or mixed with ethylene oxide.

(9) The following bulk solids:

(i) Ammonium nitrate listed as Division 5.1 (oxidizing) material in 49 CFR 172.101 except when carried as CDC residue; and

(ii) Ammonium nitrate based fertilizer listed as a Division 5.1 (oxidizing) material in 49 CFR 172.101 except when carried as CDC residue.

Certain dangerous cargo residue (CDC residue) includes any of the following:

(1) Ammonium nitrate in bulk or ammonium nitrate based fertilizer in bulk remaining after all saleable cargo is discharged, not exceeding 1,000 pounds in total and not individually accumulated in quantities exceeding two cubic feet.

(2) For bulk liquids and liquefied gases, the cargo that remains onboard in a cargo system after discharge that is not accessible through normal transfer procedures, with the exception of the following bulk liquefied gas cargoes carried under 46 CFR 151.50-31 or listed in 46 CFR 154.7:

(i) Ammonia, anhydrous;
(ii) Chlorine;
(iii) Ethane;
(iv) Ethylene oxide;
(v) Methane (LNG);
(vi) Methyl bromide;
(vii) Sulfur dioxide; and
(viii) Vinyl chloride.

(FR 9/28/10) 45/10

Page 141—Paragraph 139, line 7; read:

miles SW from the rock. A buoy, 3.2 miles SSW …

(LL/10) 45/10

Page 154—Paragraph 342, lines 6 to 8; read:

channels 16 and 68. In 2010, the controlling depth in the entrance and access channel was 12 feet. The controlling depth in the berthing area was 7 feet. Water, …

(DD 18397) 45/10

COAST PILOT 9 28 Ed 2010 Change No. 3

Page 478—Paragraph 592, lines 4 to 5; read:

Westgold Dock (north) are on the causeway with 21 feet (6.4 m) alongside. The City Dock, 200 feet (61 m) in …

(BP 193902) 45/10

COAST PILOT 9 (Continued)

Page 478—Paragraph 593, lines 2 to 8; read:

entrance to the inner harbor. In 2010, 20 feet (6.1 m) was available in the outer harbor entrance, thence 11.6 feet (3.5 m) in the inner harbor entrance, thence 10 feet (3.0 m) in the inner harbor and 9 feet (2.7 m) in the E side of the inner harbor. A barge ramp is in the inner …

(BPs 193902-05) 45/10

DIGITAL PUBS - QUARTERLY CORRECTIONS

DIGITAL PUBS - QUARTERLY Ed 2010

(3RD QUARTER) NEW EDITION

(NGA) N45/10

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I ATLANTIC COAST, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
*616	*URI Temporary Research Lighted Buoy MV*	41 17 24 N 70 53 28 W	**Fl Y** 6s				Private aid.	45/10
*629	*URI Temporary Research Lighted Buoy NWCOX*	41 12 40 N 71 13 48 W	**Fl Y** 6s				Private aid.	45/10
7865	*- Lighted Buoy 8*	43 40 32 N 70 14 54 W *	**Fl R** 2.5s		3	Red.		45/10
17160	Gibbs Rock Daybeacon	41 42 03 N 70 44 55 W *				Red and black keg on spindle.	Maintained from May 1 to Nov. 1. Private aid.	45/10
*17846	RI STATE PIER NINE LIGHT 1	41 29 17 N 71 19 21 W	**F G**				Private aid.	45/10
*17847	RI STATE PIER NINE LIGHT 2	41 29 17 N 71 19 34 W	**F R**				Private aid.	45/10
*17915.1	Coasters Harbor Navy Channel Buoy 1	41 30 08 N 71 19 34 W					Private aid.	45/10
*17915.2	Coasters Harbor Navy Channel Buoy 2	41 30 17 N 71 19 29 W					Private aid.	45/10
*17915.3	Coasters Harbor Navy Channel Buoy 4	41 30 22 N 71 19 29 W					Private aid.	45/10
18776.1	Barrington River Hazard Buoy A						*Remove from list.* *	45/10
19115.3	Dutch Harbor Speed Buoy						*Remove from list.* *	45/10
21370	*Western Long Island Sound Dumping Ground Lighted Buoy WDA*	41 00 00 N 73 28 15 W *	**Fl Y** 4s	6	6	Yellow.	Maintained from Oct. 1 to June 1. U.S. Army maintained.	45/10
31415	- Buoy 8	40 40 00 N 73 18 01 W				Red nun.	*	45/10

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.*

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I ATLANTIC COAST, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
31595	- Buoy A2	40 36 08 N 73 41 11 W					Private aid.	
		*				*		45/10
31615	- Buoy A7	40 36 15 N 73 41 28 W					Private aid.	
	*	*				*		45/10
31840	- Buoy B34						*Remove from list.*	
							*	45/10
31885	- Buoy B47	40 37 32 N 73 40 51 W					Private aid.	
	*	*						45/10
33225	- Buoy G15						*Remove from list.*	
							*	45/10
33234	- Daybeacon G17						*Remove from list.*	
							*	45/10
33235	- Buoy G17A						*Remove from list.*	
							*	45/10
*33237	- Buoy G17	40 38 16 N 73 32 47 W					Private aid.	
								45/10
33240	- Daybeacon G18	40 38 17 N 73 32 40 W					Private aid.	
	*	*				*		45/10
33250	- Buoy G20	40 38 19 N 73 32 37 W					Private aid.	
		*				*		45/10
33290	- Buoy G31						*Remove from list.*	
							*	45/10
33300	Whale Neck Point Daybeacon G39						*Remove from list.*	
							*	45/10
33310	Whale Neck Point Buoy G41						*Remove from list.*	
							*	45/10
33635	- Buoy Z2	40 37 35 N 73 29 39 W				Red.	Private aid.	
	*		*					45/10

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.

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I ATLANTIC COAST, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
37105	*Bayonne Terminal Channel Lighted Bell Buoy 4*						*Remove from list.*	
							*	45/10
*38534	*Upper Hudson River Research Lighted Buoy B*	40 58 54 N 73 53 17 W	**Fl Y** 6s			Yellow.	Seasonal. Private aid.	
								45/10
38543	*Upper Hudson River Research Lighted Buoy A*	41 52 38 N 73 56 17 W	**Fl Y** 4s			Yellow.	Seasonal. Private aid.	
							*	45/10

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II ATLANTIC COAST, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
2955	*Deepwater Point Range Lighted Buoy 6D*	39 39 24 N 75 32 27 W	**Fl R** 4s		4	Red.	Replaced by LIB when endangered by ice.	
							*	45/10
5042	*Sinepuxent Bay Channel Lighted Buoy 11*	38 17 49 N 75 07 18 W	**Fl G** 4s		3	Green	Replaced by can from Dec. 1 to Mar. 15.	
							*	45/10
5772	- Buoy 55	37 47 01 N 75 32 00 W				Green can.		
		*						45/10
14785	- Daybeacon 4A	37 29 21 N 76 18 27 W				TR on pile.		
		*						45/10
24450	- LIGHT 1 On point of shoal.	38 13 56 N 76 06 38 W	**Fl G** 4s	16	4	SG on multi-pile structure.		
		*						45/10
24515	MIDDLE ISLAND BRIDGE WEST CHANNEL LIGHT 1	38 17 43 N 76 12 46 W	**Fl G** 4s	15	4	SG on pile.		
		*						45/10
28655	*- Lighted Buoy 5*	35 10 56 N 75 45 54 W	**Fl G** 4s		3	Green.		
		*						45/10

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COASTS, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
29310	- Daybeacon 36	28 58 42 N 82 47 06 W				TR on pile.		
		*						45/10

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.*

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COASTS, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
29325	- Daybeacon 39	28 59 06 N 82 46 07 W				SG on dolphin.	
		*					45/10
29350	- Daybeacon 44	28 59 24 N 82 45 08 W				TR on pile.	
		*					45/10

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV GULF OF MEXICO, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
651.9	*Petrobras BW Pioneer Lighted Buoy*	26 41 46 N 90 30 30 W	**Fl Y** 2.5s			Yellow.	Marks subsurface turret buoy. Buoy not present when FPSO is on site. Private aid.
							* 45/10
*7422	BAYOU CASOTTE LIGHT 9	30 19 21 N 88 30 49 W	**Fl G** 2.5s	17	4	SG on pile.	Ra ref.
							45/10
10985	- LIGHT 96	29 50 32 N 89 37 23 W	**Q R**	17	3	TR on pile.	Ra ref.
					*		45/10
10990	- LIGHT 97	29 50 47 N 89 38 45 W	**Fl G** 2.5s	17	3	SG on pile.	Ra ref.
					*		45/10
11000	- LIGHT 101	29 51 24 N 89 40 50 W	**Fl G** 2.5s	17	3	SG on pile.	
					*		45/10
13655 33210	**Gretna Harbor Traffic Control Light 97** RDB mile 96.6.	29 55 33 N 90 03 30 W	**Fl R** 5s (Night) **Fl G** 5s (Night)		16 16	On skeleton tower. 25	Operated by Vessel Traffic Safety Office New Orleans during periods of high water. Controls one-way traffic around Algiers Point.
		*					45/10
14065	LUCY LIGHT 135 RDB mile 134.9.	30 02 55 N 90 30 20 W	**Iso G** 6s		5	SG on skeleton tower.	
					*		45/10
	***Add Heading:** ***Placid Canal**						
*17106	- FLOODGATE LIGHT 1	29 20 29 N 90 37 55 W	**Fl G** 2.5s			SG on pile cluster.	Private aid.
							45/10

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.

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV GULF OF MEXICO, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
	***Add Heading:** ***Bush Canal**							
*17108	- FLOODGATE LIGHT 1	29 22 06 N 90 36 07 W	**Fl G** 2.5s			SG on pile.	Private aid.	45/10
*17108.01	- FLOODGATE LIGHT 2	29 22 06 N 90 36 06 W	**Fl R** 2.5s			TR on pile.	Private aid.	45/10
*17108.02	- FLOODGATE LIGHT 3	29 22 08 N 90 36 09 W	**Fl G** 2.5s			SG on pile.	Private aid.	45/10
*17108.03	- FLOODGATE LIGHT 4	29 22 09 N 90 36 09 W	**Fl R** 2.5s			TR on pile.	Private aid.	45/10
*17108.04	- FLOODGATE SIDEWALL STRUCTURE LIGHTS (2)	29 22 07 N 90 36 08 W	**Fl W** 2.5s			On barge structure.	Marks each sidewall of floodgate. Private aid.	45/10
*17108.05	- FLOODGATE CENTER GATE LIGHT	29 22 07 N 90 36 08 W	**F R**			On barge structure.	Shows only when center floodgate is closed. Private aid.	45/10
*17108.06	- FLOODGATE SIDEWALL CAISSON LIGHTS (2)	29 22 07 N 90 36 08 W	**F R**			On caisson structure.	Marks each sidewall of caisson. Private aid.	45/10
*17108.07	- FLOODGATE SOUTHEAST PILING LIGHT	29 22 05 N 90 36 08 W	**Fl W** 2.5s			On pile cluster.	Private aid.	45/10
*17108.08	- FLOODGATE NORTHEAST PILING LIGHT	29 22 07 N 90 36 06 W	**Fl W** 2.5s			On pile cluster.	Private aid.	45/10
40505	- Daybeacon 6						*Remove from list.* *	45/10
40541	- Buoy 16						*Remove from list.* *	45/10

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.*

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
385	**Point Reyes Light**	37 59 44 N 123 01 23 W	**Fl W** 5s	265	20	On cylindrical structure on top of square building. 37	Emergency light of reduced intensity when main light is extinguished. HORN: 1 blast ev 30s (3s bl). Operates continuously.
					*		45/10
1705	NORTH ISLAND LIGHT N	32 42 51 N 117 12 33 W	**Q W**	20	3	NR on post on concrete platform.	
					*		45/10
4480	*Anchorage 6 Lighted Mooring Buoy "A"*	37 49 43 N 122 21 11 W	**Fl W** 4s			White with blue band.	Private aid.
			*			*	45/10
4480.1	*Anchorage 6 Lighted Mooring Buoy "B"*	37 49 55 N 122 21 16 W	**Fl W** 4s			White with blue band.	Private aid.
			*			*	45/10
4480.2	*Anchorage 6 Lighted Mooring Buoy "C"*	37 50 11 N 122 21 19 W	**Fl W** 4s			White with blue band.	Private aid.
		*	*			*	45/10
4480.3	*Anchorage 6 Lighted Mooring Buoy "D"*	37 50 22 N 122 21 38 W	**Fl W** 4s			White with blue band.	Private aid.
			*			*	45/10
4480.4	*Anchorage 6 Lighted Mooring Buoy "E"*	37 50 32 N 122 21 48 W	**Fl W** 4s			White with blue band.	Private aid.
			*			*	45/10
4480.5	*Anchorage 6 Lighted Mooring Buoy "F"*	37 49 44 N 122 21 22 W	**Fl W** 4s			White with blue band.	Private aid.
			*			*	45/10
4480.6	*Anchorage 6 Lighted Mooring Buoy "G"*	37 49 52 N 122 21 28 W	**Fl W** 4s			White with blue band.	Private aid.
			*			*	45/10
4480.7	*Anchorage 6 Lighted Mooring Buoy "H"*	37 50 01 N 122 21 32 W	**Fl W** 4s			White with blue band.	Private aid.
			*			*	45/10
4480.8	*Anchorage 6 Lighted Mooring Buoy "I"*	37 50 07 N 122 21 42 W	**Fl W** 4s			White with blue band.	Private aid.
			*			*	45/10
4480.9	*Anchorage 6 Lighted Mooring Buoy "J"*	37 49 37 N 122 20 52 W	**Fl W** 4s			White with blue band.	Private aid.
			*			*	45/10
4481	*Anchorage 6 Lighted Mooring Buoy "K"*	37 49 43 N 122 20 57 W	**Fl W** 4s			White with blue band.	Private aid.
			*			*	45/10

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.

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
4481.1	*Anchorage 6 Lighted Mooring Buoy "L"*	37 49 52 N 122 21 02 W	**Fl W** 4s			White with blue band.	Private aid.	
			*			*	*	45/10
4481.2	*Anchorage 6 Lighted Mooring Buoy "M"*	37 50 01 N 122 21 08 W	**Fl W** 4s			White with blue band.	Private aid.	
			*			*		45/10
4481.3	*Anchorage 6 Lighted Mooring Buoy "N"*	37 50 09 N 122 21 14 W	**Fl W** 4s			White with blue band.	Private aid.	
			*			*		45/10
4481.4	*Anchorage 6 Lighted Mooring Buoy "O"*	37 50 27 N 122 21 24 W	**Fl W** 4s			White with blue band.	Private aid.	
			*					45/10
4481.5	*Anchorage 6 Lighted Mooring Buoy "P"*	37 50 33 N 122 21 35 W	**Fl W** 4s			White with blue band.	Private aid.	
			*					45/10
23575	GRAVE ISLAND LIGHT	57 15 59 N 134 05 00 W	**Fl W** 4s	18	6	NR on spindle.	Obscured from 031° to 167°.	
		*						45/10
23660	MARMION ISLAND LIGHT	58 11 55 N 134 15 24 W	**Fl W** 6s	50	6	NR on skeleton tower.	Obscured from 014° to 147°.	
							*	45/10
*25057	STARRIGAVAN BAY LIGHT	57 07 47 N 135 22 30 W	**Fl W** 2.5s	10		On breakwater.	Private aid.	
								45/10
*26450	PORT MACKENZIE NORTH DOLPHIN LIGHT	61 16 01 N 149 54 53 W	**Q Y**	49		On dolphin.	Private aid.	
								45/10
*26455	PORT MACKENZIE NORTH DOLPHIN LIGHT	61 16 13 N 149 54 53 W	**Q Y**	49		On dolphin.	Private aid.	
								45/10

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII GREAT LAKES AND THE ST. LAWRENCE RIVER ABOVE THE ST. REGIS RIVER, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
4685	SANDUSKY DOCK CHANNEL LIGHT	41 27 25 N 82 43 16 W	**Fl G** 4s	19 **6**	5	SG on pile.		
					*			45/10
5085	SQUAW ISLAND LIGHT 12	41 27 10 N 82 59 41 W	**Q W**	25 **8**	3	NW with daymarks worded "DANGER SHOALING"		
						*		45/10

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.*

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII GREAT LAKES AND THE ST. LAWRENCE RIVER ABOVE THE ST. REGIS RIVER, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5090	- Daybeacon 13	41 26 58 N 83 00 00 W				NW on pile worded "DANGER ROCKS".	
						*	45/10
5096	- Daybeacon 15	41 26 57 N 83 00 04 W				NW on pile worded "DANGER ROCKS".	
						*	45/10
5100	- Daybeacon 17	41 26 51 N 83 00 07 W				NW on pile worded "DANGER ROCKS".	
						*	45/10
12840	DETOUR HARBOR ENTRANCE LIGHT 2	45 59 44 N 83 53 57 W	**Fl R** 4s	28 **9**	4	TR on pile.	
					*		45/10
12875	**- Light**	46 00 59 N 83 53 58 W	**Fl W** 5s	52 **16**	11	KRW on yellow octagonal tower with black skelton superstructure.	
					*		45/10
21765	Jackson Harbor Buoy 1	45 24 11 N 86 50 59 W				Green can.	Maintained from May 14 to Oct. 14.
		*					* 45/10
21766	Jackson Harbor Buoy 2	45 24 12 N 86 51 00 W				Red nun.	Maintained from May 14 to Oct. 14.
		*					* 45/10

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.

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2010 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
*16267.5 *J 5844.5*	Poinsettia.	11° 13.5′ N 61° 31.2′ W	**Mo(U).W.** period 15s	66 **20**	10	Platform.	**Horn**: Mo.(U) 30s.	
	RACON							45/10

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2010 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
348 *G 3106*	-Isla Santa Cruz, Bahia Academy, Islote Caamano.	0° 45.4′ S 90° 16.7′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	39 **12**	10	White round metal structure; 23.		
				*	*	*		45/10
352 *G 3106.5*	-Punta Estrada.	0° 45.7′ S 90° 18.3′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	46 **14**	8	Red fiberglass structure, yellow band; 49.		
			*	*		*		45/10

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2009 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
*14467 *F 2554.5*	Tuntung Point.	13° 09.2′ N 121° 26.4′ E	**Fl.(2)W.** period 5s	10 **3**		Metal pipe on white platform; 10.		
								45/10
14828 *F 2400*	-Bantolinao Point, reef, edge.	10° 20.1′ N 123° 59.2′ E	**Fl.G.** period 5s	30 **9**	11	White concrete tower; 30.	Visible 060°-294°.	
					*			45/10
*17218.2 *M 4305.43*	Chuk-to.	34° 45.0′ N 127° 26.9′ E	**Fl.(2)W.** period 5s	36 **11**	8	ISOLATED DANGER BRB, beacon, topmark; 36.		
								45/10
*17230.2 *M 4298.55*	Gamdeungseo.	34° 30.3′ N 127° 14.3′ E	**Fl.(2)W.** period 5s	46 **14**	8	ISOLATED DANGER BRB, beacon, topmark; 33.		
								45/10
17382 *M 4267.5*	- -Outer port, E. breakwater, head.	33° 31.8′ N 126° 32.5′ E	**Fl.G.** period 5s	46 **14**	9	White round concrete tower; 59.		
		*		*		*		45/10
17612 *M 4237*	Changdo.	34° 37.4′ N 126° 13.3′ E	**Fl.W.** period 6s	102 **31**	8	White round concrete tower; 30.		
	RACON		**M(– –)**		10			
	*	*	*		*	*		45/10
17621 *M 4216.9*	**Pulmugi-do.**	34° 45.6′ N 126° 13.4′ E	**Fl.W.** period 5s	105 **32**	**15**	White square concrete tower; 36.		
	RACON		**Z(– – • •)**		10			
	*		*		*	*		45/10

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.*

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2009 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
27636 *F 0689*	**Beypore.**	11° 09.5′ N 75° 48.3′ E	**Fl.(2)W.** period 15s	105 **32**	**24**	White octagonal concrete tower, red bands; 98.	Storm signal.	
	RACON		**G(– – •)**					
	*	*	*				*	45/10

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2010 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
*14251 *E 3688.5*	Katici.	42° 11.7′ N 18° 56.2′ E	**Fl.R.** period 4s	82 **25**	6	White round tower; 16.		
								45/10

CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2010 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
9212 *B 0206.21*	- -Quarleshaven, 059°.	51° 28.4′ N 3° 43.4′ E	**Dir.W.R.G.**		3	Grey mast; 82.	F.G. 057°30′-058°24′, Al.W.G.-059°06′, F.W.-059°30′, Al.W.R.-060°12′, F.R.-061°.	
				*		*	*	45/10
9368 *B 0306*	-Range, front.						*Remove from list.*	
							*	45/10
9372 *B 0306.1*	- -Rear, 572 meters 167°30′ from front.						*Remove from list.*	
							*	45/10
10508 *B 1402*	-Belumer Dyke Range, front, inner head.						*Remove from list.*	
							*	45/10
10512 *B 1402.1*	- -Rear, 141 meters 132°18′ from front.						*Remove from list.*	
							*	45/10

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2010 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
*6709	-Mechelinki.	54° 37.1′ N 18° 32.8′ E	**Fl.W.** period 2s			Dolphin.		
								45/10

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.*

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS THROUGH NM 45/10

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

NGA Reference No.	Ed.	Notice to Mariners No.
NGA/DLIS CATALOGS CATCDLIMDIS		
Region 1	2005	11*,12,13,14,15,16,18,21,22,23,24,25,26,27,28,29,31,32,33,34,35,36,38,39,40,41,42,43,45,46,47,48,49,50,51,53/05;2,3,4,5,6,8,9,10,11,12,14,15,16,17,19,20,21,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,45,46,48,49,50,51,52/06;1,3,4,6,7,8,10,11,12,13,14,17,19,20,22,23,24,25,26,30,31,32,33,34,36,37,38,40,41,43,44,45,46,47,49,50,51,52/07;1,5,6,7,8,11,12,13,15,16,17,18,19,20,21,22,23,24,25,27,28,30,31,32,33,34,36,38,39,40,41,42,43,44,46,47,48,50,51/08;1,3,6,7,8,9,10,11,13,14,15,17,19,22,23,24,25,26,27,28,29,30,31,32,34,35,37,39,40,41,42,44,46,47,48,52/09;1,3,4,5,9,10,11,12,15,17,18,19,23,24,26,27,28,31,32,34,35,37,38,40,41,43,44/10
Region 2	2005	11*,25,41/05;8,12,13,14,20,23,25,26,27,29,31,37,39,42/06;3,10,12,13,21,24,32,34,51/07;21,31,34,45,48,49/08;1,3,7,23,25,30,31,39,41,48,50/09;6,8,10,11,16,17,19,24,26,27,28,30,32,35,37,38,40,43/10
Region 3	2005	11*,12,13,14,16,17,19,23,24,25,27,31,32,34,35,37,40,45,46,47,51/05;4,5,8,12,15,17,18,20,21,22,23,25,26,27,29,30,32,40,42,43,47,52/06;2,3,4,5,6,7,9,11,12,13,14,20,21,24,27,28,29,30,37,38,42,44/07;6,7,8,10,16,21,25,26,27,31,32,33,36,37,38,46,49,52/08;4,5,16,20,22,25,33,34,39,40,41,42,43/09;6,7,12,13,18,22,26,31,37,39/10
Region 4	2005	11/05*;20,43/07;17,20,25,43,45/08;5,26,29,35,39,42,43,44,45,49/09;5,11,12,18,19,27,30,32,44/10
Region 5	2005	11*,14,18,20,22,23,28,36,41,43,45,49/05;4,5,7,9,10,12,14,27,32,45/06;3,20,23,25,28,30,31,41/07;8,13,17,20,22,25,29,31,33,36,38,40,51/08;1,5,6,7,8,9,10,11,12,16,18,19,24,25,30,31,38,39,41,44,48,50/09;5,10,11,16,17,18,22,26,27,28,32,37,38,39/10
Region 6	2005	11*,18,23,28,43,46,52/05;5,7,10,12,14,16,25,30,35,36,40,41,42,43,45,50/06;3,6,7,10,12,20,28,30,35,39,41,42,50/07;3,7,8,11,13,15,20,22,32,34,37,43,45,46/08;7,8,14,16,18,23,38,41,48/09;10,19,28,32/10
Region 7	2005	11*,14,43,47,52/05;12,14,15,17,18,19,20,21,25,27,35,42,45,46,47,48,49,52/06;3,4,8,9,10,11,12,13,14,15,16,17,18,19,20,23,30,34,35,36,39,42,50/07;1,7,10,16,17,20,22,25,26,37,42,43,48/08;1,8,10,11,12,13,14,20,22,41,43/09;17,22,36,39,41,42,44,45/10
Region 8	2005	11*,23,53/05;15,16,25,32,35,39,52/06;10,20,23,39,40,41/07;8,21,36,39,49,51/08;5,7,14/09;19,22,24,32,37,42/10
Region 9	2005	11*,43,47,52/05;2,4,5,8,21,22,25,27,29,32,39,40,42,45/06;3,4,7,10,13,21,22,28,29,34,38,40,41,50/07;3,7,8,10,17,19,20,24,25,32,33,34,36,38,43,45,48,49/08;1,5,8,9,10,13,14,18,24,25,30,33,34,35,39,43,44,48,50/09;5,10,12,19,32,38,44/10
Miscellaneous Charts and Publications	2005	11*,12,13,14,15,16,18,19,20,21,22,24,25,27,28,29,31,32,33,35,36,37,38,39,41,42,43,44,46,47,48,50,52,53/05;1,3,4,5,6,7,9,10,11,13,14,15,16,17,18,19,20,22,23,24,25,26,27,28,29,30,31,32,35,36,39,40,41,42,44,45,46,49,50,51,52/06;1,3,4,6,7,10,13,17,18,19,21,22,24,26,27,29,30,31,32,33,34,35,36,37,38,39,40,43,44,45,46,47,48,49,50,51,52/07;1,2,3,4,6,7,8,9,10,11,12,13,14,16,17,18,19,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,44,45,46,47,48,52/08;1,2,3,4,6,7,8,9,10,11,12,13,17,18,19,20,22,24,25,26,27,28,29,30,31,32,34,35,36,37,38,39,40,41,42,43,45,46,47,48,49,50,51,52/09;2,3,4,5,6,7,8,9,10,11,12,13,14,15,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,35,36,37,38,39,40,41,42,43,44,45/10
NGA LIST OF LIGHTS		
LLPUB110	2010	22*,23,24,25,26,27,28,30,32,33,34,36,37,38,39,40,41,42,44,45/10
LLPUB111	2010	37*,38,39,40,41,45/10
LLPUB112	2009	47*,49,50,51,52/09;1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,42,43,44,45/10
LLPUB113	2010	44*,45/10
LLPUB114	2010	27*,32,34,36,37,38,40,41,45/10
LLPUB115	2010	38*,41,44/10
LLPUB116	2010	31*,32,33,34,36,37,39,41,42,43,44,45/10
SAILING DIRECTIONS		
PUB120	2010	12/10*
PUB123	2009	50/09*
PUB124	2010	25/10*
PUB125	2010	22/10*
PUB126	2010	42/10*
PUB127	2010	7/10*
PUB131	2010	24/10*
PUB132	2008	31/08*
PUB140	2010	45/10*
PUB141	2010	28/10*
PUB142	2009	4/09*
PUB143	2010	36/10*
PUB145	2010	17/10*
PUB146	2010	23/10*
PUB147	2010	10/10*
PUB148	2010	31/10*
PUB153	2010	35/10*
PUB154	2010	23/10*
PUB155	2009	31/09*
PUB157	2010	30/10*
PUB158	2010	11/10*
PUB159	2010	42/10*
PUB160	2010	11/10*
PUB161	2010	15/10*
PUB162	2010	9/10*
PUB163	2009	28/09*
PUB164	2009	20/09*
PUB171	2010	17/10*
PUB172	2010	40/10*
PUB173	2010	37/10*
PUB174	2010	40/10*
PUB175	2010	32/10*
PUB180	2010	25/10*
PUB181	2010	25/10*
PUB182	2010	36/10*
PUB183	2009	17/09*
PUB191	2010	43/10*
PUB192	2010	19/10*
PUB193	2010	37/10*
PUB194	2009	52/09*
PUB195	2008	45/08*
PUB200	2009	8/09*
USCG LIGHT LIST VOLUMES I - VII		
COMDTM165021	2010	12*,13,14,15,16,17,18,19,20,21,22,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45/10
COMDTM165022	2010	12*,13,14,15,16,17,18,19,20,21,22,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,40,41,42,43,44,45/10
COMDTM165023	2010	12*,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,39,40,41,42,43,44,45/10

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS THROUGH NM 45/10

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

NGA Reference No.	Ed.	Notice to Mariners No.
COMDTM165024	2010	21*,22,24,25,26,27, 28,29,30,31,32,33, 34,35,36,37,38,39, 40,41,42,43,44, 45/10
COMDTM165025	2010	17/10*
COMDTM165026	2010	12*,13,14,15,16,17, 18,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45/10
COMDTM165027	2010	21*,22,24,26,27,28, 29,30,31,32,33,34, 35,37,38,40,41,42, 43,44,45/10
DIGITAL PUBS - QUARTERLY		
CDPUBQTLY	2010	N45/10*
FLEET GUIDES		
PUBFGATL	2010	N35/10*
PUBFGPAC	2010	N35/10*
NOS MISCELLANEOUS PUBLICATIONS		
NOSPBCATALOGA	2009	27/09*
NOSPBCATALOGG	2009	9/09*
NOSPBCATALOGK	2009	31/09*
NOSPBCATALOGL	2009	19/09*
NOSPBCATALOGP	2009	17/09*
ALMANACS		
AIRALMANAC111	2011	30/10*
NAUTALMANAC11	2011	26/10*
COAST PILOT		
NOSPBCP1	40	19*,21,24,31,34,35, 37,38,40,45/10
NOSPBCP2	39	48*,49/09;1,5,7,10, 12,16,18,21,22,37, 38,40/10
NOSPBCP3	43	8*,9,12,14,18,23,34, 37,38,39,45/10
NOSPBCP4	42	40*,42,45/10
NOSPBCP5	38	25*,26,31,34,36,37, 39,42,45/10
NOSPBCP6	40	15*,17,22,23,24,25, 27,31,35,37,38/10
NOSPBCP7	42	3*,5,9,13,15,16,17, 21,22,23,24,26,27, 31,34,35,36,37,38, 39,41,42,45/10
NOSPBCP8	32	31*,32,34,37,45/10
NOSPBCP9	28	37*,38,45/10
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	2010	36/10*
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*

NGA Reference No.	Ed.	Notice to Mariners No.
SIGHT REDUCTION TABLES (AIR)		
SRPUB249V1	2007	38/07*
SRPUB249V2	1952	46/52*
SRPUB249V3	1952	46/52*
CHART NO. 1		
WOBZC1	1997	18/98*
CHART NO. 4		
WOBZC4	1988	N23/91*
ATLAS OF PILOT CHARTS		
NVPUB106	2002	42/03*
NVPUB107	1998	30/99*
NVPUB109	2001	49/02*
USCG NAVIGATION RULES		
COMDTM166722D	1999	44/99*;52/00;16/04
NOS TIDE TABLES		
NOSPBTTCWPACIN0	2010	N51/09*
NOSPBTTECSTNSA0	2010	N51/09*
NOSPBTTEURAFR0	2010	N51/09*
NOSPBTTWCSTNSA0	2010	N51/09*
TIDAL CURRENT TABLES		
NOSPBTCTATCSTN0	2010	N51/09*
NOSPBTCTPACAS0	2010	N51/09*

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 281230Z October 2010:

2009 series	345(24)	395(11)	431(24)	441(28)
70(24)	354(11)	421(15,38)	437(28)	442(11,26)
2010 series	373(11)	427(38)	439(GEN)	

The summary of all NAVAREA IV messages in force as of 17 December 2009 is given in Section III of NM 52/09. Warnings issued during the subsequent quarters are issued in NM 13/10, 26/10 and 39/10.

NAVAREA IV WARNINGS issued from 211100Z to 281230Z October 2010.

439/10(GEN).
1. NAVAREA IV MESSAGES IN FORCE 230900Z OCT 10. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2010 SERIES: 395(11), 421(15,38), 427(38), 431(24), 437(28), 438(51).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 17 DEC 09 IS GIVEN IN SEC III OF NM 52/09. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/10, 26/10 AND 39/10.
3. CANCEL NAVAREA IV 417/10, 436/10.

(230917Z OCT 2010)

440/10. CANCELED.

441/10(28).
GULF OF MEXICO.
BAY OF CAMPECHE.
1. SEISMIC SURVEY IN PROGRESS UNTIL 28 FEB 11 BY M/V CGG ALIZE TOWING 12 8200 METER LONG CABLES IN AREA BETWEEN 20-15N 19-35N AND 095-00W 094-00W. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 MAR 11.

(250447Z OCT 2010)

442/10(11,26).
WESTERN NORTH ATLANTIC.
SPACE SHUTTLE.
1. HAZARDOUS OPERATIONS 012025Z TO 012159Z NOV, ALTERNATE 022002Z TO 022133Z NOV IN AREAS BOUND BY:
A. 28-37N 080-43W, 29-10N 080-05W, 29-02N 079-57W, 28-28N 080-35W.
B. 30-02N 079-51W, 30-53N 079-01W, 30-10N 078-11W, 29-26N 079-08W.
2. CANCEL THIS MSG 022233Z NOV.

(271156Z OCT 2010)

443/10 and 444/10. CANCELED.

HYDROLANTS

Messages in force 281230Z October 2010:

2008 series	392(37)	1724(35)	1879(51)	1952(26)	2003(51)
1354(24)	452(37)	1741(35)	1882(51)	1953(11,12)	2006(51,57)
1463(24)	471(35)	1745(51,52)	1894(37)	1962(24)	2007(24)
1852(37)	590(37)	1749(54)	1903(51)	1963(24)	2008(GEN)
1917(24)	642(35)	1796(57)	1904(15,38)	1964(24,51)	2009(25)
2009 series	845(24)	1797(24)	1907(37)	1965(52,53,56)	2011(24)
413(24)	914(37)	1798(24)	1908(24)	1968(35)	2013(57)
1321(51)	996(24)	1800(19)	1911(53)	1969(24)	2020(56)
2024(36)	1079(24)	1832(53,54)	1921(35,36)	1977(37)	2021(24)
2026(24)	1232(24)	1835(37)	1925(25)	1984(54,56)	2023(24)
2529(52)	1393(56)	1836(35)	1928(36)	1985(23)	2026(11)
2530(54)	1426(52)	1839(54)	1929(53)	1987(55)	2027(37,44)
2531(54)	1429(56)	1842(36)	1931(14,51)	1993(57)	2032(51)
2532(54)	1456(51)	1846(56)	1933(12)	1996(24)	2039(54)
2010 series	1473(37,43)	1851(24)	1936(57)	1997(24)	2041(36)
58(56)	1636(24)	1865(51)	1938(56)	1998(24)	2044(35)
103(24)	1642(37)	1876(57)	1941(51)	2000(36,38)	2047(37)
180(52)	1696(57)	1878(24)	1947(37)	2001(37)	2048(36,37)

The summary of all HYDROLANTS in force as of 17 December 2009 is given in Section III of NM 52/09. Warnings issued during the subsequent quarters are issued in NM 13/10, 26/10 and 39/10.

HYDROLANT WARNINGS issued from 211100Z to 281230Z October 2010.

1993/10(57).
SOUTH ATLANTIC.
M/V ST JAMES PARK REPORTS CREWMAN WITH KIDNEY FAILURE
REQUIRING MEDICAL ASSISTANCE IN 33-35.1S 001-53.1W.
VESSELS IN VICINITY ABLE TO PROVIDE MEDICAL
ASSISTANCE REQUESTED TO ASSIST IF POSSIBLE.
REPORTS TO MRCC CAPE TOWN OR CAPE TOWN RADIO.

(211157Z OCT 2010)

1994/10 and 1995/10. CANCELED.

1996/10(24).
BRAZIL-SOUTHEAST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 290159Z OCT
BY M/V WESTERN NEPTUNE TOWING 12 3.5 MILE
LONG CABLES AND M/V GECO DIAMOND TOWING
250 METER LONG CABLE IN AREA BOUND BY
22-07.22S 040-01.61W, 22-18.54S 040-21.97W,
22-46.87S 039-55.99W, 22-32.22S 039-36.92W.
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 290259Z OCT.

(220116Z OCT 2010)

1997/10(24).
BRAZIL-SOUTHEAST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 290159Z OCT
BY M/V OCEAN EUROPE AND M/V SANCO STAR
IN AREA BOUND BY
22-10.97S 040-11.05W, 22-29.10S 040-23.50W,
22-20.98S 040-37.37W, 22-05.77S 040-37.30W,
22-05.93S 040-20.33W.
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 290259Z OCT.

(220132Z OCT 2010)

1998/10(24).
BRAZIL-SOUTHEAST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 290159Z OCT
BY M/V RAMFORM SOVEREING TOWING 14 8100
METER LONG CABLES IN AREA BOUND BY
23-26.22S 041-41.85W, 23-11.87S 041-32.57W,
23-11.10S 041-17.27W, 23-32.25S 040-39.73W,
23-53.07S 040-53.15W.
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 290259Z OCT.

(220150Z OCT 2010)

1999/10. CANCELED.

2000/10(36,38).
EASTERN NORTH ATLANTIC.
1. CABLE OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE BY CABLESHIP RENE DESCARTES
ALONG TRACKLINE JOINING
46-58N 016-52W, 46-58N 017-16W,
46-55N 017-38W, 46-44N 018-22W,
46-28N 019-20W, 46-12N 020-14W,
45-55N 021-13W, 45-51N 021-27W,
45-44N 021-14W, 45-27N 023-27W.
ONE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 1927/10.

(221317Z OCT 2010)

2001/10(37).
SOUTHERN NORTH SEA.
UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE BY CABLESHIP WAVE SENTINEL WITH
SUBMERSIBLE VICINITY 52-24.0N 002-46.2E.
WIDE BERTH REQUESTED.

(221334Z OCT 2010)

2002/10. CANCELED.

2003/10(51).
EASTERN NORTH ATLANTIC.
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER
NOTICE BY CABLESHIP METEOR
ALONG TRACKLINE JOINING
12-30N 019-00W, 12-30N 020-00W,
12-30N 021-00W, 12-00N 021-00W,
11-30N 021-00W, 11-00N 019-00W.
ONE MILE BERTH REQUESTED.

(221353Z OCT 2010)

2004/10 and 2005/10. CANCELED.

2006/10(51,57).
EASTERN ATLANTIC.
GULF OF GUINEA.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 1645Z TO 0139Z
COMMENCING DAILY 28 OCT THRU 28 NOV
IN AREA BOUND BY
00-27N 000-26W, 01-20S 000-41W,
00-48N 015-31W, 02-36N 015-15W.
2. CANCEL THIS MSG 290239Z NOV.

(222115Z OCT 2010)

2007/10(24).
BRAZIL-NORTH COAST.
ROCKETS.
1. HAZARDOUS OPERATIONS 1640Z TO 0140Z COMMENCING
DAILY 28 OCT THRU 28 NOV IN AREAS BOUND BY:
A. 06-12N 047-33W, 05-41N 047-29W,
05-34N 048-27W, 06-05N 048-31W.
B. 06-04N 045-57W, 05-46N 045-55W,
05-38N 047-36W, 06-56N 047-38W.
2. CANCEL THIS MSG 290240Z NOV.

(222241Z OCT 2010)

2008/10(GEN).
1. HYDROLANT MESSAGES IN FORCE 230900Z OCT 10. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2010 SERIES: 1724(35), 1741(35), 1745(51,52), 1749(54),
1796(57), 1797(24), 1798(24), 1800(19), 1832(53,54), 1835(37),
1836(35), 1839(54), 1842(36), 1846(56), 1851(24), 1865(51),
1876(57), 1878(24), 1879(51), 1882(51), 1894(37), 1903(51),
1904(15,38), 1907(37), 1908(24), 1911(53), 1921(35,36),
1923(23), 1925(25), 1928(36), 1929(53), 1931(14,51), 1933(12),
1936(57), 1938(56), 1941(51), 1947(37), 1952(26), 1953(11,12),
1959(56), 1962(24), 1963(24), 1964(24,51), 1965(52,53,56),
1968(35), 1969(24), 1977(37), 1978(51), 1983(56), 1984(54,56),
1985(23), 1987(55), 1989(51), 1991(24), 1992(24), 1993(57),
1994(52), 1996(24), 1997(24), 1998(24), 2000(36,38), 2001(37),
2003(51), 2006(51,57), 2007(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 17 DEC 09
IS GIVEN IN SEC III OF NM 52/09. WARNINGS ISSUED DURING THE
SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/10, 26/10 AND 39/10.
3. CANCEL HYDROLANT 679/10, 1668/10, 1763/10, 1910/10,
1966/10, 1990/10.

(230921Z OCT 2010)

2009/10(25).
WESTERN NORTH ATLANTIC.
ONE WHITE FLARE SIGHTED IN 27-47N 060-11W.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC NORFOLK,
PHONE: 757 398 6231, FAX: 757 398 6392,
E-MAIL: D05-SMB-D5CC@USCG.MIL.

(231336Z OCT 2010)

2010/10. CANCELED.

2011/10(24).
BRAZIL-NORTHEAST COAST.
GUNNERY.
1. GUNNERY EXERCISES 291100Z TO 291500Z OCT
WITHIN FIVE MILES OF 05-30S 034-53W.
2. CANCEL THIS MSG 291600Z OCT.

(240111Z OCT 2010)

2012/10. CANCELED.

2013/10(57).
EASTERN SOUTH ATLANTIC.
ANGOLA.
SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY M/V APOLLO TOWING 3000 METER LONG CABLES
IN AREA BOUND BY
07-28.49S 011-36.38E, 07-33.68S 011-40.74E,
07-37.04S 011-51.04E, 07-45.29S 011-49.99E,
07-45.28S 011-40.82E, 07-39.35S 011-35.06E,
07-31.69S 011-30.71E.
WIDE BERTH REQUESTED.

(240706Z OCT 2010)

2014/10 thru 2019/10. CANCELED.

2020/10(56).
EASTERN MEDITERRANEAN SEA.
EGYPT.
1. SEISMIC SURVEY IN PROGRESS UNTIL 30 NOV
BY M/V CGG AMADIUS TOWING SIX 8100 METER
LONG CABLES IN AREA BOUND BY
31-52.7N 031-11.7E, 31-38.5N 031-18.9E,
31-38.5N 031-54.2E, 31-52.7N 031-54.2E.
SIX MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 1959/10.
3. CANCEL THIS MSG 01 DEC.

(251231Z OCT 2010)

2021/10(24).
BRAZIL-NORTHEAST COAST.
NGA CHART 24016 (53RD ED).
ATOL DAS ROCAS LIGHT 03-51.4S 033-49.2W UNLIT.

(251255Z OCT 2010)

2022/10. CANCELED.

2023/10(24).
BRAZIL-NORTH COAST.
GUNNERY.
1. GUNNERY EXERCISES 301600Z OCT TO 021500Z NOV
IN AREA BETWEEN
00-00N 00-30N AND 046-30W 047-30W.
2. CANCEL THIS MSG 021600Z NOV.

(252346Z OCT 2010)

2024/10 and 2025/10. CANCELED.

2026/10(11).
FLORIDA TO LOUISIANA.
60 FOOT F/V MISS SUE, WHITE HULL WITH BLUE TRIM AND RED BOW,
UNREPORTED KEY WEST (24-33.5N 081-47.0W) TO
GRAND ISLE (29-13.7N 090-00.7W). LAST KNOWN
POSITION 25-47.7N 083-01.9W ON 23 OCT. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO ANY COASTAL RADIO STATION.

(261145Z OCT 2010)

2027/10(37,44).
NORTH SEA.
BALTIC SEA.
NAVTEX.
1. NAVTEX STATION PINNEBERG OFF AIR UNTIL 082359Z NOV.
PINNEBERG BROADCASTS WILL BE TRANSMITTED FROM
NAVTEX STATION NETHERLANDS COAST GUARD.
2. CANEL THIS MSG 090159Z NOV.

(261150Z OCT 2010)

2028/10 thru 2031/10. CANCELED.

2032/10(51).
EASTERN NORTH ATLANTIC.
CAPE VERDE ISLANDS.
VESSEL, THREE PERSONS ON BOARD, DISABLED AND ADRIFT
IN 16-16N 026-09W. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC CABO VERDE.

(270328Z OCT 2010)

2033/10 thru 2038/10. CANCELED.

2039/10(54).
AEGEAN SEA.
CABLE OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE BY CABLESHIP RAYMOND CROZE
ALONG TRACKLINE JOINING
40-00.09N 025-58.23E, 39-53.53N 026-05.19E,
39-34.98N 026-04.15E, 39-26.59N 025-58.04E,
39-26.60N 026-30.07E, 39-32.77N 026-36.10E.
WIDE BERTH REQUESTED.

(271600Z OCT 2010)

2040/10. CANCELED.

2041/10(36).
EASTERN NORTH ATLANTIC.
1. 11 LIFERAFTS ADRIFT VICINITY 47-39N 010-58W
AT 271300Z OCT.
2. CANCEL THIS MSG 301700Z OCT.

(271700Z OCT 2010)

2042/10 and 2043/10. CANCELED.

2044/10(35).
SCOTLAND.
ISLAY.
NGA CHART 35119 (2ND ED).
CHUIRN LIGHT 55-40.2N 006-01.1W UNLIT.

(272341Z OCT 2010)

2045/10 and 2046/10. CANCELED.

2047/10(37).
EASTERN NORTH ATLANTIC.
1. DERELICT VESSEL ADRIFT VICINITY
46-54N 007-34W AT 272300Z OCT.
2. CANCEL THIS MSG 310120Z OCT.

(280125Z OCT 2010)

2048/10(36,37).
EASTERN NORTH ATLANTIC.
1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 29 OCT
BY CABLESHIP ILE DE BATZ IN AREA BOUND BY
47-47.81N 008-00.33W, 47-46.64N 007-53.07W,
47-40.35N 008-03.26W, 47-42.26N 008-11.86W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 30 OCT.

(280433Z OCT 2010)

NAVAREA XII

Messages in force 281230Z October 2010:

2010 series	424(18)	431(GEN)	434(18)
403(19)	430(19)	433(19)	435(18,83)

The summary of all NAVAREA XII messages in force as of 17 December 2009 is given in Section III of NM 52/09. Warnings issued during the subsequent quarters are issued in NM 13/10, 26/10 and 39/10.

NAVAREA XII WARNINGS issued from 211100Z to 281230Z October 2010.

430/10(19).
NORTH PACIFIC.
HAWAII.
ORDNANCE.
1. UNDERWATER ORDNANCE DETONATIONS IN PROGRESS
UNTIL 281159Z OCT IN AREAS BOUND BY:
A. 22-05N 162-00W, 22-05N 165-00W,
21-55N 170-01W, 21-20N 170-00W,
21-29N 164-59W, 21-29N 162-00W.
B. 20-58N 162-00W, 20-56N 164-58W,
20-48N 170-00W, 20-14N 169-58W,
20-22N 164-57W, 20-25N 162-00W.
2. CANCEL THIS MSG 281259Z OCT.

(221414Z OCT 2010)

431/10(GEN).
1. NAVAREA XII MESSAGES IN FORCE 230900Z OCT 10. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2010 SERIES: 403(19), 424(18), 427(18), 430(19).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF
17 DEC 09 IS GIVEN IN SEC III OF NM 52/09. WARNINGS
ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED
IN NM 13/10, 26/10 AND 39/10.
3. CANCEL NAVAREA XII 426/10.

(230926Z OCT 2010)

432/10. CANCELED.

433/10(19).
NORTH PACIFIC.
HAWAII.
MISSILES.
1. HAZARDOUS OPERATIONS 290130Z TO 290700Z OCT,
ALTERNATE 300200Z TO 300730Z AND
310230Z TO 310800Z OCT
IN AREA BOUND BY
22-00N 159-46W, 22-07N 160-25W,
23-07N 161-49W, 24-25N 162-27W,
29-56N 170-20W, 32-47N 169-47W,
35-34N 164-15W, 36-03N 162-31W,
31-30N 161-28W, 27-00N 162-00W,
24-11N 160-10W, 22-39N 159-36W,
22-10N 159-44W.
2. CANCEL THIS MSG 310900Z OCT.

(240828Z OCT 2010)

434/10(18).
EASTERN NORTH PACIFIC.
CALIFORNIA.
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 MHZ (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 427/10.

(251001Z OCT 2010)

435/10(18,83).
EASTERN NORTH PACIFIC.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0149Z TO 0321Z DAILY
30 OCT THRU 02 NOV IN AREAS BOUND BY:
A. 34-29N 120-40W, 34-31N 120-46W,
34-46N 120-41W, 34-44N 120-34W.
B. 34-07N 120-58W, 34-26N 120-52W,
34-22N 120-36W, 34-03N 120-43W.
C. 13-16N 126-14W, 17-32N 125-20W,
17-24N 124-40W, 13-08N 125-34W.
2. CANCEL THIS MSG 020421Z NOV.

(261351Z OCT 2010)

436/10 and 437/10. CANCELED.

Messages in force 281230Z October 2010:

2007 series	1671(63)	2037(96)	2161(63)	2207(96)	2248(74)
1284(71)	1672(63)	2041(62)	2165(21)	2208(62)	2249(97)
2008 series	1674(74)	2060(GEN)	2169(61)	2209(63)	2250(94)
44(GEN)	1695(71)	2071(61)	2170(61)	2211(94)	2252(94)
1345(92)	1714(63)	2078(82)	2174(95)	2213(74)	2253(94)
2009 series	1776(GEN)	2079(82,83)	2175(95)	2215(62)	2254(94)
1128(22)	1783(63)	2080(63)	2176(95)	2216(62)	2256(83)
2364(63)	1805(92,93)	2081(83)	2177(95)	2218(GEN)	2258(63)
2366(63)	1808(22)	2089(63)	2178(95)	2219(96)	2259(63)
2010 series	1922(71)	2090(63)	2179(71)	2220(61)	2260(82)
75(22)	1930(74)	2103(62)	2180(71)	2222(96)	2261(91)
306(22)	1950(19)	2107(61)	2182(21)	2223(63)	2262(96)
375(97)	1954(93)	2109(81,82)	2183(63)	2224(94)	2263(63)
578(71)	1957(63)	2110(63)	2188(61)	2225(61)	2264(63)
593(71)	1965(71)	2116(95)	2189(74)	2227(93)	2265(63)
816(61)	1967(93)	2132(63)	2190(61)	2232(94)	2266(63)
917(62)	1969(97)	2133(63)	2192(94)	2233(18,21)	2268(63)
1550(73)	1970(94)	2136(95)	2193(96)	2234(93)	2270(63)
1591(91)	1971(94)	2139(73)	2194(63)	2235(62,63)	2271(91,93)
1594(63)	1991(62)	2146(61)	2195(21,22)	2240(72)	2272(62)
1639(76)	1992(63)	2150(63)	2196(63)	2242(63)	
1661(62)	1993(62,63)	2151(63)	2197(63)	2243(93)	
1668(62)	2027(93)	2158(63)	2200(61)	2244(61)	
1670(63)	2028(76)	2159(61)	2204(94)	2245(74)	

The summary of all HYDROPACS in force as of 17 December 2009 is given in Section III of NM 52/09. Warnings issued during the subsequent quarters are issued in NM 13/10, 26/10 and 39/10.

HYDROPAC WARNINGS issued from 211100Z to 281230Z October 2010.

2193/10(96).
SAKHALIN-EAST COAST.
1. SURVEY OPERATIONS IN PROGRESS UNTIL 30 NOV BY
M/V DIABAZ AND M/V ISKATEL IN AREAS BOUND BY:
A. 51-17.15N 144-52.04E, 51-19.57N 144-52.17E,
51-19.48N 144-56.36E, 51-17.07N 144-56.22E.
B. 51-17.47N 144-23.44E, 51-20.30N 144-23.56E,
51-20.21N 144-28.14E, 51-17.40N 144-28.01E.
C. 51-03.38N 144-16.00E, 51-06.19N 144-16.11E,
51-06.12N 144-20.28E, 51-03.30N 144-20.16E.
2. CANCEL THIS MSG 01 DEC.

(211046Z OCT 2010)

2194/10(63).
INDIA-SOUTHWEST COAST.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 260900Z TO 261200Z,
290900Z TO 291200Z AND 291230Z TO 291430Z 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 291530Z OCT.

(211101Z OCT 2010)

2195/10(21,22).
EASTERN NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED ON 406 MHZ
IN 04-18.7N 103-11.9W. 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.

(211506Z OCT 2010)

2196/10(63).
INDIA-EAST COAST.
BAY OF BENGAL.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0230Z TO 1130Z
DAILY 25 OCT THRU 04 NOV WITHIN
FIVE MILES OF 13-50N 081-40E.
2. CANCEL THIS MSG 041230Z NOV.

(211521Z OCT 2010)

2197/10(63).
INDIA-WEST COAST.
1. SEISMIC SURVEY 22 OCT THRU 10 DEC
BY M/V BOS ANGLER TOWING FOUR
6000 METER LONG CABLES
IN AREA BOUND BY
20-23N 070-50E, 20-23N 071-40E,
20-32N 071-50E, 20-45N 071-40E,
20-45N 071-20E.
FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 11 DEC.

(211537Z OCT 2010)

2198/10 and 2199/10. CANCELED.

2200/10(61).
WESTERN INDIAN OCEAN.
KENYA.
PIRACY.
M/V ATTACKED IN 04-20S 040-25E AT 211600Z OCT.
VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR
OF THIS POSITION AND TO EXERCISE EXTREME CAUTION.
REPORTS TO UKMTO DUBAI, PHONE: 97 150 552 3215,
E-MAIL: UKMTO@EIM.AE.

(212059Z OCT 2010)

2201/10 thru 2203/10. CANCELED.

2204/10(94).
TAIWAN-SOUTHWEST COAST.
GUNNERY.
1. GUNNERY EXERCISES 0001Z TO 0330Z DAILY
23, 24, 30 AND 31 OCT, 0001Z TO 0300Z
AND 0600Z TO 0800Z DAILY 25 THRU 29 OCT:
A. IN AREA BOUND BY
22-34N 118-55E, 22-59N 119-39E,
22-16N 119-37E, 22-21N 118-55E.
B. WITHIN 29 MILES OF 22-34N 119-16E.
2. CANCEL THIS MSG 310430Z OCT.

(220850Z OCT 2010)

2205/10 and 2206/10. CANCELED.

2207/10(96).
SEA OF OKHOTSK.
1. SEISMIC SURVEY IN PROGRESS UNTIL 30 NOV BY
M/V PROFESSOR POLSHKOV TOWING 6000 METER
LONG CABLE IN AREA BOUND BY
54-47-54.79N 154-53-52.91E,
55-39-18.43N 154-38-14.69E,
55-47-02.46N 155-38-38.98E,
54-37-20.15N 155-41-08.95E,
54-36-13.44N 155-20-57.42E.
THREE MILE BERTH REQUESTED.
2. CANCEL HYDROPAC 1789/10.
3. CANCEL THIS MSG 01 DEC.

(221327Z OCT 2010)

2208/10(62).
GULF OF OMAN.
ORDNANCE.
1. BOMBING EXERCISES IN PROGRESS UNTIL
311959Z OCT IN AREA BOUND BY
23-04N 060-53E, 22-40N 061-52E,
21-46N 061-25E, 22-10N 060-27E.
2. CANCEL THIS MSG 312059Z OCT.

(221452Z OCT 2010)

2209/10(63).
ANDAMAN SEA.
GULF OF MARTABON.
1. GEOPHYSICAL OPERATIONS 25 OCT THRU 10 NOV
BY M/V GENESIS IN AREA BOUND BY
16-16.01N 096-19.79E, 16-15.62N 096-44.04E,
16-04.51N 096-43.86E, 16-04.89N 096-19.58E.
2.5 MILE BERTH REQUESTED.
2. CANCEL THIS 11 NOV.

(221553Z OCT 2010)

2210/10. CANCELED.

2211/10(94).
TAIWAN STRAIT.
GUNNERY.
1. GUNNERY EXERCISES 260001Z TO 260400Z OCT,
ALTERNATE 0001Z TO 0400Z DAILY 27 THRU 29 OCT:
A. IN AREA BETWEEN
23-29.9N 23-39.9N AND 119-05.5E 119-15.5E.
B. WITHIN TEN MILES OF 23-34.9N 119-10.5E.
2. CANCEL THIS MSG 290500Z OCT.

(221613Z OCT 2010)

2212/10. CANCELED.

2213/10(74).
AUSTRALIA-NORTHWEST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V SOUTHERN SUPPORTER IN AREA BETWEEN
19-25.00S 21-26.13S AND 112-53.00E 115-32.00E.
2.5 MILE BERTH REQUESTED.
2. CANCEL HYDROPAC 971/10.

(222310Z OCT 2010)

2214/10. CANCELED.

2215/10(62).
GULF OF ADEN.
PIRACY.
M/V ATTACKED IN 13-08N 048-44E AT 222300Z OCT.
VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR
OF THIS POSITION AND TO EXERCISE EXTREME CAUTION.
REPORTS TO IMB PIRACY REPORTING CENTER,
TELEX: 34199, PHONE: 603 2031 0014,
E-MAIL: piracy@icc-ccs.org.

(230119Z OCT 2010)

2216/10(62).
GULF OF ADEN.
PIRACY.
M/V ATTACKED IN 13-09N 049-15E AT 230335Z OCT.
VESSELS TRANSITING THE AREA ARE ADVISED TO
EXERCISE EXTREME CAUTION. REPORTS TO
UKMTO DUBAI, PHONE: 97 150 552 3215,
E-MAIL: UKMTO@EIM.AE.

(230548Z OCT 2010)

2217/10. CANCELED.

2218/10(GEN).
1. HYDROPAC MESSAGES IN FORCE 230900Z OCT 10. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2010 SERIES: 1921(72), 1922(71), 1930(74), 1950(19), 1954(93),
1957(63), 1965(71), 1967(93), 1969(97), 1970(94), 1971(94),
1991(62), 1992(63), 1993(62,63), 2027(93), 2028(76), 2037(96),
2041(62), 2060(GEN), 2071(61), 2078(82), 2079(82,83), 2080(63),
2081(83), 2089(63), 2090(63), 2096(93), 2103(62), 2107(61),
2109(81,82), 2110(63), 2132(63), 2133(63), 2136(95), 2139(73),
2142(71), 2143(93), 2146(61), 2150(63), 2151(63), 2152(74),
2158(63), 2159(61), 2161(63), 2165(21), 2167(74), 2168(63),
2169(61), 2170(61), 2174(95), 2175(95), 2176(95), 2177(95),
2178(95), 2179(71), 2180(71), 2182(21), 2183(63), 2188(61),
2189(74), 2190(61), 2192(94), 2193(96), 2194(63), 2195(21,22),
2196(63), 2197(63), 2200(61), 2201(61), 2202(95), 2203(94),
2204(94), 2205(94), 2206(94), 2207(96), 2208(62), 2209(63),
2211(94), 2213(74), 2215(62), 2216(62), 2217(71,74).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 17 DEC 09
IS GIVEN IN SEC III OF NM 52/09. WARNINGS ISSUED DURING THE
SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/10, 26/10 AND 39/10.
3. CANCEL HYDROPAC 1717/10, 1797/10, 1801/10, 1803/10, 1860/10,
2017/10, 2046/10, 2054/10, 2098/10, 2099/10, 2100/10, 2102/10,
2111/10, 2114/10, 2134/10, 2144/10, 2149/10.

(230935Z OCT 2010)

2219/10(96).
SEA OF OKHOTSK.
MISSILES.
1. HAZARDOUS OPERATIONS 0600Z TO 1100Z
DAILY 28 THRU 30 OCT AND
310700Z TO 311200Z OCT:
A. IN AREA BOUND BY
47-36N 151-21E, 47-54N 151-06E,
48-06N 151-40E, 47-52N 151-58E.

B. WITHIN 27 MILES OF 52-49N 146-17E.
C. WITHIN 27.5 MILES OF 57-09N 140-33E.
2. CANCEL THIS MESSAGE 311300Z OCT.

(231440Z OCT 2010)

2220/10(61).
WESTERN INDIAN OCEAN.
KENYA.
PIRACY.
M/V ATTACKED IN 04-14S 041-19E AT 231235Z OCT.
VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR
OF THIS POSITION AND TO EXERCISE EXTREME CAUTION.
REPORTS TO UKMTO DUBAI, PHONE: 97 150 552 3215,
E-MAIL: UKMTO@EIM.AE.

(231538Z OCT 2010)

2221/10. CANCELED.

2222/10(96).
SEA OF JAPAN.
MISSILES.
1. HAZARDOUS OPERATIONS 2200Z TO 0200Z COMMENCING
DAILY 28 AND 29 OCT, 0400Z TO 0700Z DAILY
29 AND 30 OCT, 312300Z OCT TO 010300Z NOV
AND 010500Z TO 010800Z NOV IN AREA BOUND BY
41-58.7N 134-15.0E, 42-12.0N 133-14.3E,
42-23.8N 132-26.6E, 42-37.7N 132-03.8E,
42-37.5N 132-04.8E, 42-42.5N 132-33.0E,
42-36.4N 133-22.2E, 42-27.7N 134-25.0E.
2. CANCEL HYDROPAC 2142/10(71).
3. CANCEL HYDROPAC 2167/10(74), AID RESTORED.
4. CANCEL THIS MSG 010900Z NOV.

(240645Z OCT 2010)

2223/10(63).
WESTERN INDIAN OCEAN.
PIRACY.
M/V PIRATED IN 03-29N 059-35E AT 240542Z OCT.
VESSELS ARE ADVISED TO KEEP 100 MILES
CLEAR OF THIS POSITION AND TO EXERCISE
EXTREME CAUTION. REPORTS TO UKMTO DUBAI,
PHONE: 97 150 552 3215, E-MAIL: UKMTO@EIM.AE.

(240725Z OCT 2010)

2224/10(94).
TAIWAN-SOUTHWEST COAST.
GUNNERY.
1. GUNNERY EXERCISES 290001Z TO 290900Z OCT:
A. IN AREA BETWEEN
22-34.9N 22-54.9N AND 119-25.5E 119-45.5E.
B. WITHIN EIGHT MILES OF 22-44.9N 119-35.5E.
2. CANCEL THIS MSG 291000Z OCT.

(241253Z OCT 2010)

2225/10(61).
SOMALIA-SOUTH COAST.
PIRACY.
VESSEL HIJACKED 00-54S 043-08E AT
231311Z OCT. VESSELS ARE ADVISED TO
KEEP 100 MILES CLEAR OF THIS POSITION
AND TO EXERCISE EXTREME CAUTION.

(250034Z OCT 2010)

2226/10. CANCELED.

2227/10(93).
GULF OF THAILAND.
1. SEISMIC SURVEY IN PROGRESS UNTIL 30 NOV
BY M/V RAMFORM STERLING IN AREA BOUND BY
07-19-02N 103-19-32E, 07-24-45N 103-30-38E,
07-18-00N 103-37-50E, 07-08-36N 103-19-34E.
2. CANCEL HYDROPAC 2226/10(16), FALSE ALERT.
3. CANCEL THIS MSG 01 DEC.

(250055Z OCT 2010)

2228/10 thru 2231/10. CANCELED.

2232/10(94).
TAIWAN STRAIT.
GUNNERY.
1. GUNNERY EXERCISES 2300Z TO 0400Z
COMMENCING DAILY 24 THRU 28 OCT AND
0600Z TO 0900Z DAILY 25 THRU 29 OCT:
A. IN AREA BOUND BY
24-48N 119-50E, 24-48N 120-20E,
23-55N 119-27E, 24-10N 119-08E.
B. WITHIN 10 MILES OF 24-11N 119-30E.
2. CANCEL THIS MSG 291000Z OCT.

(250901Z OCT 2010)

2233/10(18,21).
EASTERN NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED IN 25-23N 120-23W.
VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO U.S. COAST GUARD.

(250914Z OCT 2010)

2234/10(93).
SOUTH CHINA SEA.
MAN OVERBOARD VICINITY 18-38N 112-18E
ON 21 OCT. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC HONG KONG, TELEX: 80282952,
PHONE: 852 2233 7999, E-MAIL: HKMRCC@MARDEP.GOV.HK.

(251546Z OCT 2010)

2235/10(62,63).
WESTERN INDIAN OCEAN.
PIRACY.
POSSIBLE MOTHERSHIP ACTIVITY IN 16-46N 062-20E
AT 251544Z OCT. VESSELS ARE ADVISED TO KEEP
100 MILES CLEAR OF THIS POSITION AND TO EXERCISE
EXTREME CAUTION. REPORTS TO UKMTO DUBAI,
PHONE: 971 50 552 3215, E-MAIL: UKMTO@EIM.AE.

(251830Z OCT 2010)

2236/10 thru 2239/10. CANCELED.

2240/10(72).
MAKASSAR STRAIT.
1. SEISMIC SURVEY IN PROGRESS UNTIL 30 NOV
BY M/V AKADEMIK FERSMAN TOWING
9000 METER LONG CABLE
IN AREA BOUND BY
00-47N 117-56E, 00-25N 119-50E,
04-44S 118-01E, 01-42S 116-40E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 1921/10.
3. CANCEL THIS MSG 01 DEC.

(261505Z OCT 2010)

2241/10. CANCELED.

2242/10(63).
INDIA-WEST COAST.
1. UNDERWATER OPERATIONS 27 OCT THRU 21 NOV
BY M/V VOLANS IN AREA BOUND BY
18-39.38N 072-35.83E, 18-35.50N 072-21.06E,
18-28.50N 072-24.50E, 18-27.20N 072-27.25E,
18-22.00N 072-32.50E, 18-22.00N 072-41.00E,
18-27.00N 072-41.00E, 18-39.38N 072-36.86E.
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 22 NOV.

(261541Z OCT 2010)

2243/10(93).
GULF OF THAILAND.
1. SEISMIC SURVEY IN PROGRESS UNTIL 18 NOV BY
M/V BEAUFORT EXPLORER TOWING 3500 METER
LONG CABLE IN AREA BETWEEN
07-53N 08-16N AND 101-45E 102-12E.
2. CANCEL HYDROPAC 2241/10.
3. CANCEL THIS MSG 19 NOV.

(261606Z OCT 2010)

2244/10(61).
WESTERN INDIAN OCEAN.
TANZANIA.
PIRACY.
M/V ATTACKED IN 09-26S 041-22E AT 261515Z OCT.
VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR
OF THIS POSITION AND TO EXERCISE EXTREME
CAUTION. REPORTS TO IMB PIRACY REPORTING
CENTER, TELEX: 34199, PHONE: 603 2031 0014,
FAX: 603 2078 5769, E-MAIL: PIRACY@ICC-CCS.ORG.

(261840Z OCT 2010)

2245/10(74).
AUSTRALIA-EAST COAST.
NGA CHART 74200 (8TH ED).
NORTH REEF LIGHT 23-11.2S 151-54.2E UNRELIABLE
AND RACON INOPERATIVE.

(262149Z OCT 2010)

2246/10 and 2247/10. CANCELED.

2248/10(74).
AUSTRALIA-NORTH COAST.
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V AQUILA EXPLORER IN AREA BETWEEN
11-20S 12-00S AND 127-30E 128-00E.
SEVEN MILE BERTH REQUESTED.

(270347Z OCT 2010)

2249/10(97).
WESTERN NORTH PACIFIC.
GUNNERY.
1. GUNNERY EXERCISES 2300Z TO 0900Z COMMENCING
DAILY 31 OCT THRU 29 NOV IN AREA BOUND BY
27-55-15N 144-57-48E, 28-15-15N 146-29-47E,
25-25-16N 147-37-47E, 25-00-16N 145-35-48E.
2. CANCEL THIS MSG 301000Z NOV.

(271103Z OCT 2010)

2250/10(94).
TAIWAN-SOUTHWEST COAST.
GUNNERY.
1. GUNNERY EXERCISES 0300Z TO 0900Z DAILY
01 THRU 05, 08 THRU 12, 15 THRU 19,
22 THRU 26, 29 AND 30 NOV:
A. IN AREA BETWEEN
22-34.9N 22-54.9N AND 119-25.5E 119-45.5E.
B. WITHIN 15 MILES OF 22-44.9N 119-35.5E.
2. CANCEL THIS MSG 301000Z NOV.

(271104Z OCT 2010)

2251/10. CANCELED.

2252/10(94).
NORTH PACIFIC.
TAIWAN-EAST COAST.
GUNNERY.
1. GUNNERY EXERCISES 2300Z TO 0400Z COMMENCING DAILY
31 OCT THRU 04 NOV, 07 THRU 11, 14 THRU 18,
21 THRU 25, 28 AND 29 NOV AND 0600Z TO 0900Z DAILY
01 THRU 05, 08 THRU 12, 15 THRU 19, 22 THRU 26,
29 AND 30 NOV:
A. IN AREA BOUND BY
22-26.9N 122-00.5E, 21-32.9N 122-00.5E,
21-41.9N 121-40.5E, 22-14.9N 121-40.5E.
B. WITHIN 28 MILES OF 21-58.0N 121-50.0E.
2. CANCEL THIS MSG 301000Z NOV.

(271104Z OCT 2010)

2253/10(94).
TAIWAN STRAIT.
GUNNERY.
1. GUNNERY EXERCISES 0001Z TO 0900Z DAILY
30 OCT THRU 04 NOV, 07 THRU 11, 14 THRU 18,
21 THRU 25, 28 AND 29 NOV:
A. IN AREA BETWEEN
23-29.9N 23-39.9N AND 119-05.5E 119-15.5E.
B. WITHIN TEN MILES OF 23-34.9N 119-10.5E.
2. CANCEL THIS MSG 291000Z NOV.

(271104Z OCT 2010)

2254/10(94).
TAIWAN STRAIT.
GUNNERY.
1. GUNNERY EXERCISES 0001Z TO 0330Z DAILY
01 THRU 26 NOV, ALTERNATE 06 THRU 10 DEC:
A. IN AREA BOUND BY
24-48N 119-50E, 24-48N 120-20E,
23-55N 119-27E, 24-10N 119-08E.
B. WITHIN 10 MILES OF 24-11N 119-30E.
2. CANCEL THIS MSG 100430Z DEC.

(271104Z OCT 2010)

2255/10. CANCELED.

2256/10(83).
SOUTH PACIFIC.
SPACE SHUTTLE.
1. HAZARDOUS OPERATIONS 012055Z TO 012234Z NOV,
ALTERNATE 022032Z TO 022208Z NOV
IN AREA BOUND BY
42-59S 171-56W, 41-36S 169-09W,
39-57S 166-08W, 37-18S 161-52W,
35-27S 159-12W, 33-02S 156-03W,
30-02S 152-30W, 27-58S 150-16W,
25-20S 147-36W, 21-26S 143-59W,
22-32S 142-31W, 23-09S 141-47W,
24-00S 142-23W, 27-01S 145-14W,
29-56S 148-15W, 33-15S 152-02W,
36-04S 155-37W, 38-23S 158-56W,
40-34S 162-24W, 43-06S 167-03W,
44-49S 170-49W, 43-46S 171-40W.
2. CANCEL THIS MSG 022308Z NOV.

(271211Z OCT 2010)

2257/10. CANCELED.

2258/10(63).
ARABIAN SEA.
PAKISTAN.
ROCKETS.
1. HAZARDOUS OPERATIONS 0300Z TO 0700Z DAILY
UNTIL 02 NOV IN AREA BETWEEN
25-11.69N 25-24.38N AND 066-44.69E 065-33.37E.
2. CANCEL THIS MSG 020800Z NOV.

(271359Z OCT 2010)

2259/10(63).
WESTERN INDIAN OCEAN.
PIRACY.
PIRATE ACTION GROUP IN 10-51N 063-28E
AT 271259Z OCT. VESSELS ARE ADVISED TO KEEP
100 MILES CLEAR OF THIS POSITION AND TO EXERCISE
EXTREME CAUTION. REPORTS TO UKMTO DUBAI,
PHONE: 971 50 552 3215, E-MAIL: UKMTO@EIM.AE.

(271433Z OCT 2010)

2260/10(82).
CORAL SEA.
NEW CALEDONIA.
GUNNERY.
1. GUNNERY EXERCISES 282100Z TO 290100Z OCT
WITHIN TEN MILES OF 23-00S 165-58E.
2. CANCEL THIS MSG 290200Z OCT.

(271508Z OCT 2010)

2261/10(91).
SOUTH CHINA SEA.
1. 12 PERSONS MISSING FROM M/V JIAN FU STAR IN
21-00N 119-49E AT 270055Z OCT. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC HONG KONG,
TELEX: 80282952, PHONE: 852 2233 7999,
E-MAIL: HKMRCC@MARDEP.GOV.HK.
2. CANCEL HYDROPAC 2246/10.

(271522Z OCT 2010)

2262/10(96).
SEA OF OKHOTSK.
1. GEOPHYSICAL OPERATIONS 280001Z OCT TO 260001Z NOV
BY M/V ZEPHYR I TOWING 8000 METER LONG CABLE
ALONG TRACKLINES:
A. BETWEEN
59-30N 156-50E AND 55-17N 152-26E.
B. JOINING
54-46N 154-38E, 55-42N 154-41E,
58-02N 155-43E, 58-51N 156-26E,
59-32N 159-26E.
FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 260101Z NOV.

(271545Z OCT 2010)

2263/10(63).
INDIA-WEST COAST.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0230Z TO 1230Z
DAILY 01 THRU 07 NOV
IN AREA BETWEEN
15-11N 15-13N AND 073-52E 073-57E.
2. CANCEL THIS MSG 071330Z NOV.

(271610Z OCT 2010)

2264/10(63).
INDIA-WEST COAST.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS:
A. 020230Z TO 020830Z NOV
IN AREA BOUND BY
18-00N 070-45E, 18-00N 072-15E,
17-00N 072-40E, 15-40N 072-40E,
15-40N 071-00E, 16-10N 070-45E.
B. 020630Z TO 021730Z NOV
IN AREA BETWEEN
17-25N 16-10N AND 070-45E 072-20E.
2. CANCEL THIS MSG 021830Z NOV.

(271632Z OCT 2010)

2265/10(63).
INDIA-SOUTHWEST COAST.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 020900Z TO 021200Z,
050900Z TO 051200Z AND 051230Z TO 051430Z NOV
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 051530Z NOV.

(271638Z OCT 2010)

2266/10(63).
ARABIAN SEA.
PAKISTAN.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0400Z TO 1700Z DAILY
01 THRU 05, 08 THRU 12, 15 THRU 19,
22 THRU 26, 29 AND 30 NOV:
A. IN AREA BOUND BY
24-19.00N 066-58.00E, 24-00.00N 066-39.00E,
24-11.00N 066-27.00E, 24-24.30N 066-42.00E.
B. IN AREA BOUND BY
24-16.18N 066-20.50E, 24-22.00N 066-27.00E,
24-16.30N 066-33.00E, 24-10.30N 066-27.00E.
C. WITHIN 3.5 MILES OF 24-53.76N 066-36.40E.
2. CANCEL THIS MSG 301800Z NOV.

(271647Z OCT 2010)

2267/10. CANCELED.

2268/10(63).
ARABIAN SEA.
PIRACY.
M/V ATTACKED IN 13-15N 068-59E AT 271955Z OCT.
VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR
OF THIS POSITION AND TO EXERCISE EXTREME
CAUTION. REPORTS TO IMB PIRACY REPORTING
CENTER, TELEX: 34199, PHONE: 603 2031 0014,
FAX: 603 2078 5769, E-MAIL: PIRACY@ICC-CCS.ORG.

(272203Z OCT 2010)

2269/10. CANCELED.

2270/10(63).
INDIA-SOUTHWEST COAST.
ROCKETS.
1. HAZARDOUS OPERATIONS 291230Z TO 291430Z OCT
WITHIN:
A. FIVE MILES OF 08-31.98N 076-52.05E
BETWEEN 190 DEGREES AND 300 DEGREES.
B. 75 MILES OF 08-31.98N 076-52.05E
BETWEEN 220 DEGREES AND 260 DEGREES.
2. CANCEL THIS MSG 291530Z OCT.

(280107Z OCT 2010)

2271/10(91,93).
SOUTH CHINA SEA.
MAN OVERBOARD FROM M/V VEGA TURMALIN IN
19-06.7N 117-51.8E. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO
MRCC HONG KONG, PHONE: 852 2233 7999,
E-MAIL: HKMRCC@MARDEP.GOV.HK.

(280450Z OCT 2010)

2272/10(62).
GULF OF ADEN.
PIRACY.
M/V ATTACKED IN 13-08N 049-14E AT 280539Z OCT.
VESSELS TRANSITING THE AREA ARE ADVISED TO
EXERCISE EXTREME CAUTION. REPORTS TO
UKMTO DUBAI, PHONE: 97 150 552 3215,
E-MAIL: UKMTO@EIM.AE.

(280720Z OCT 2010)

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/NGAPortal/MSI.portal), by referring to Section I (paragraph 50) of US Notice to Mariners 1/10 for those in-force as of 2 January 2010, 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 28 October 2010: 00-7, 05-1, 06-1, 07-1, 10-3, 10-4, 10-6, 10-7, 10-8 and 10-9.

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/NGAPortal/MSI.portal) or by referring to Section I (paragraph 5) of US Notice to Mariners 1/10 for those in-force as of 2 January 2010 and in Notice to Mariners 13/10.

SPECIAL WARNINGS in force 28 October 2010: 1, 29, 77, 81, 82, 89, 92, 107, 108, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124 and 125.

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 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.):

16529 16th Ed. Oct 2010 NEW EDITION NAD 83 (NOS Silver Spring, MD)
ALASKA - SOUTH COAST - UNALASKA ISLAND - DUTCH HARBOR 1:10,000
(New edition due to topographic changes.)

16561 4th Ed. Oct 2010 NEW EDITION NAD 83 (NOS Silver Spring, MD)
ALASKA - ALASKA PENINSULA - MITROFANIA BAY AND KUIUKTA BAY 1:80,000
(New edition due to hydrographic changes.)

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: http://www.geoint.nga.smil.mil/products/dnc1/epods/index.htm

56222 7th Ed. October 30, 2010 NEW EDITION WGS-84 (NGA Bethesda, MD)
MINA TARABULUS (TRIPOLI) 1:10,000
(Correct through NM 44/10). Limited Distribution

57480 9th Ed. October 23, 2010 NEW EDITION WGS-84 (NGA Bethesda, MD)
CAPE COLUMBINE TO CAPE OF GOOD HOPE 1:250,000
(Correct through NM 43/10).

61331 5th Ed. October 23, 2010 NEW EDITION WGS-84 (NGA Bethesda, MD)
BAIE ANDRANOAOMBY TO HELODRANON' ANTSIRANANA 1:100,000
(Correct through NM 43/10). Limited Distribution

NEW EDITION OF SAILING DIRECTIONS

Pub. 140, Sailing Directions (Planning Guide) North Atlantic Ocean and Adjacent Seas, Ninth Edition, 2010, is now available through electronic access at the Maritime Safety Web site (http://www.nga.mil/NGAPortal/MSI.portal). This edition will be available on the Digital Nautical Publications-Quarterly Update, 4th Quarter 2010, CD-ROM.

Pub. 140 has been corrected to 9 October 2010, including Notice to Mariners No. 41 of 2010.

Digital Nautical publications will be updated using a binary patch file called "Publication Data Updates (PDU)." PDU files are cumulative or sequential ensuring customers will not miss any changes and may be accessed on the Maritime Safety Web site (http://www.nga.mil/NGAPortal/MSI.portal).

NGA DIGITAL NAUTICAL PUBLICATIONS-QUARTERLY UPDATE

The Digital Nautical Publications-Quarterly Update (Limited Distribution), Third Quarter 2010, is ready for issue. The publications within are corrected to 25 September 2010, including Notice to Mariners No. 39 of 2010*. To improve usability, the CD-ROM interface has changed from an executable (.exe) format to a web-based (HTML) format.

The production schedule of Digital Nautical Publications-Quarterly Update coincides with the production schedule of the quarterly Notice to Mariners issues, namely 13, 26, 39, and 52 or 53 of each year.

Disk No. 1 contains updated copies of NGA nautical publications, including all 42 Sailing Directions Enroutes/Planning Guides, The American Practical Navigator (Pub. 9)*, International Code of Signals (Pub. 102), Radio Navigational Aids (Pub. 117), World Port Index (Pub. 150)*, Distances Between Ports (Pub. 151)*, Radar Navigation and Maneuvering Board Manual (Pub. 1310)*, Sight Reduction Tables for Marine Navigation (Pub. 229)*, Sight Reduction Tables for Air Navigation (Pub. 249)*, Fleet Guides (Pub. 940 and Pub. 941), NOAA Tide Tables and Tidal Current Tables*, ONI MODU 101 Handbook, and Admiralty Sailing Directions NP24 (Black Sea and Sea of Azov Pilot).

Disk No. 2 contains the Summary of Corrections, List of Lights**, Chart No.1*, Notice to Mariners issues 51/2008 through 26/2010, including the associated high-resolution graphic correction files for printing, United States Coast Pilot Series**, USCG Light List Volumes, USCG Navigation Rules International-Inland*, and NWS Observing Handbook No. 1.

Both disks include marine navigation calculators, digital Chart/Publication Correction Record Cards and hyperlinks to the Web sites of various maritime organizations.

* Those publications marked by an asterisk are currently not updated via the PDU process, but are still updated via textual corrections published in the weekly Notice to Mariners. Where applicable, the copies of these publications included on the CD are updated to Notice to Mariners 26/2010, but it is the user's responsibility to examine the Notice to Mariners for corrections between quarters accordingly.

** Those publications marked by a double asterisk are updated twice between quarters via the PDU e-mail subscription service. These Volumes will be corrected via the PDU e-mail subscription service.

It is important to note that this product is issued and updated quarterly and users must still refer to the Maritime Safety Web site at http://www.nga.mil/NGAPortal/MSI.portal for updates between issues. NGA also offers an e-mail subscription service for Publication Data Updates (PDU), which automatically delivers newly-released PDU files as e-mail attachments as well as announcements of new editions of publications. To enroll in the PDU e-mail subscription service, send a blank e-mail to join-pdu@goldweb.nga.mil from the e-mail account where you wish to receive the PDU file. Since the PDU files can vary in size from 500 kb to 3.5 Mb, subscribers should ensure that their e-mail service allows attachment files up to 4 Mb.

To update a publication between issues of the Digital Nautical Publications-Quartely Update product, users must install the publication file from the CD-ROM to their computer's hard drive and apply any PDU file(s) issued during the quarter. An install executable has been included for each publication for ease of installation.

DoD, U.S. Coast Guard, or any other Executive Branch Agency subscribers of Digital Nautical Publications who have not yet received a copy should contact the Defense Logistics Agency Customer Support at:

Defense Supply Center Richmond
RMF – Hydrographic Section
ATTN: DSCR-FANAH
8000 Jefferson Davis Highway

Richmond, VA 23297-5339

Telephone: 804-279-6500
DSN: 695-6500
Toll Free: 800-279-6510 or 6524
Web site: http://www.dscr.dla.mil/rmf

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

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

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

Indian Ocean:

15 00.4N 90 00.1E
11 56.4N 89 54.5E
8 01.2N 89 00.1E
3 58.0N 89 36.5E
1 34.9N 90 05.8E
0 02.9N 89 50.5E
3 10.9N 82 24.7E
0 04.9N 80 33.8E
1 31.1S 80 32.2E
4 00.7S 80 31.5E
8 00.7S 80 27.5E
11 59.8S 80 29.6E
8 06.4S 66 56.6E
8 02.2S 66 59.5E
12 11.3S 67 12.7E
7 55.7S 55 04.5E
12 02.3S 54 58.0E

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 issues this notice weekly. It will also appear in the “What’s New @ Maritime” section of the Maritime Safety Web site (http://www.nga.mil/NGAPortal/MSI.portal); 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:

Former US Chart No.	*Current US Chart No.*	*Foreign Chart No.*	*Originally Announced in NTM*	*Later Edition*
14002	14ACO14000	Can. 4023	23/04	
14005	14ACO14001	Can. 4012	23/04	
14006	14ACO14334	Can. 4016	9/09	
14009	14ACO14004	Can. 4015	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	
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	
14342	14BCO14336	Can. 4626	11/10	
14349	14AHA14339	Can. 4622	10/09	
14350	14AHA14334	Can. 4841	12/10	
14351	14AHA14334	Can. 4841	12/10	
14360	14ACO14348	Can. 4017	12/10	
14364	14AHA14359	Can. 4846	25/09	
14366	14AHA14359	Can. 4846	25/09	
14373	14BHA14362	Can. 4847	12/10	
14415	14ACO14377	Can. 4020	12/10	
14812	14XHA14809	Can. 2085	6/09	
15008	15ACO15001	Can. 4730	12/10	
15011	15ACO15002	Can. 7050	16/08	
15017	15ACO15003	Can. 5450	33/07	
15018	15ACO15004	Can. 4700	12/10	
15020	15ACO15005	Can. 7011	12/10	
15041	**15ACO15007**	Can. 4731	41/08	
15061	15ACO15014	Can. 4732	42/08	
15070	15BHA15024	Can. 5143	6/09	
15080	15BHA15027	Can. 5023	46/07	
15120	15ACO15030	Can. 4775	31/07	
15140	15ACO15031	Can. 4776	12/10	

15160	15ACO15032	Can. 5300	34/08	
15312	15ACO15035	Can. 5400	6/09	
15670	15XCO15672	Can. 7570	44/09	
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. 3858	41/08	
17438	17BHA17418	Can. 3960	43/08	
17438	17BHA17419	Can. 3959	41/08	
17438	17BHA17440	Can. 3956	12/10	
17441	17BHA17442	Can. 3927	12/07	
17441	17BHA17447	Can. 3746	25/07	
17444	17XHA17448	Can. 3955	32/08	
17445	17BHA17439	Can. 3957	12/10	
17464	17XHA17450	Can. 3924	12/10	
17465	**17XHA17451**	Can. 3742	41/08	
17480	17ACO17454	Can. 3744	12/10	
17485	17XHA17456	Can. 3936	44/09	
17486	**17XCO17458**	Can. 3727	13/09	
17489	17XHA17488	Can. 3598	12/10	
17495	17ACO17493	Can. 3605	6/07	
17513	17XHA17497	Can. 3539	8/05	1/08
17515	17XHA17496	Can. 3513	6/09	
17517	17XHA17498	Can. 3512	44/09	
17518	17BHA17499	Can. 3463	31/07	
17519	17BHA17500	Can. 3526	23/07	
17543	17ACO17501	Can. 3604	1/08	
17546	**17XCO17510**	Can. 3306	31/10	
17548	17BCO17511	Can. 3671	31/07	
17550	17ACO17514	Can. 3602	24/07	
18401	18BHA18404	Can. 3459	42/08	44/10
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	39/10
35136	35ACO35058	UK 2250	27/07	39/10
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	39/10
35160	35ACO35066	UK 1233	27/07	
35163	35ACO35067	UK 3272	27/07	
35166	35ACO35068	UK 3283	27/07	39/10
35169	35ACO35071	UK 3281	29/07	39/10
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	39/10
35237	**35AHA35089**	UK 2208	30/07	12/10
35239	**35AHA35090**	UK 2210	28/07	
35243	**35BHA35091**	UK 3146	37/07	6/08
35246	35ACO35092	UK 1795	21/07	13/10
35247	35AHA35093	UK 1796	28/07	39/10
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	26/10
35011	35XCO35172	UK 219	8/08	33/09
36010	36ACO36000	UK 1121	26/06	
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	26/10
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	39/10
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	39/10
37081	37AHA37017	UK 2045	32/05	4/06
37083	37AHA37019	UK 2037	25/05	39/10
37084	37AHA37020	UK 2036	5/06	38/08
37086	37AHA37021	UK 2631	31/05	16/08
37119	37AHA37027	UK 1698	8/06	
37122	37AHA37028	UK 1828	19/05	6/10
37141	37AHA37040	UK 1607	9/05	22/09
37145	37AHA37051	UK 1185	37/04	52/08
37147	37BHA37052	UK 1975	36/04	7/08
37150	37ACO37055	UK 1504	37/04	17/05

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	26/10
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	44/10
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	
74205	74BHA74244	Aus. 245	45/10	
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	45/10
74252	74BHA74258	Aus. 263	41/10	
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	44/10
74376	74BCO74377	Aus. 715	35/07	
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
74517	74ACO74031	Aus. 743	12/06	
74521	75AHA75147	Aus. 744	19/06	
74555	74ACO74593	Aus. 334	34/07	
74581	74AHA74585	Aus. 112	18/07	

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	
75170	75ACO75166	Aus. 788	14/06	
75170	75ACO75167	Aus. 789	14/06	
75170	75ACO75168	Aus. 790	17/06	
75171	75AHA75164	Aus. 144	44/10	
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 out 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).

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

_____

Email address _____

Date of Observation _____ Time of Observation (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

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

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

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

User Feedback (continue on additional sheets as necessary)

_____

_____

_____

_____

_____

FIRST-CLASS MAIL
POSTAGE & FEES PAID

NGA
PERMIT NO. G-2

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

HYDROARC 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): _____

_____

_____

_____

_____

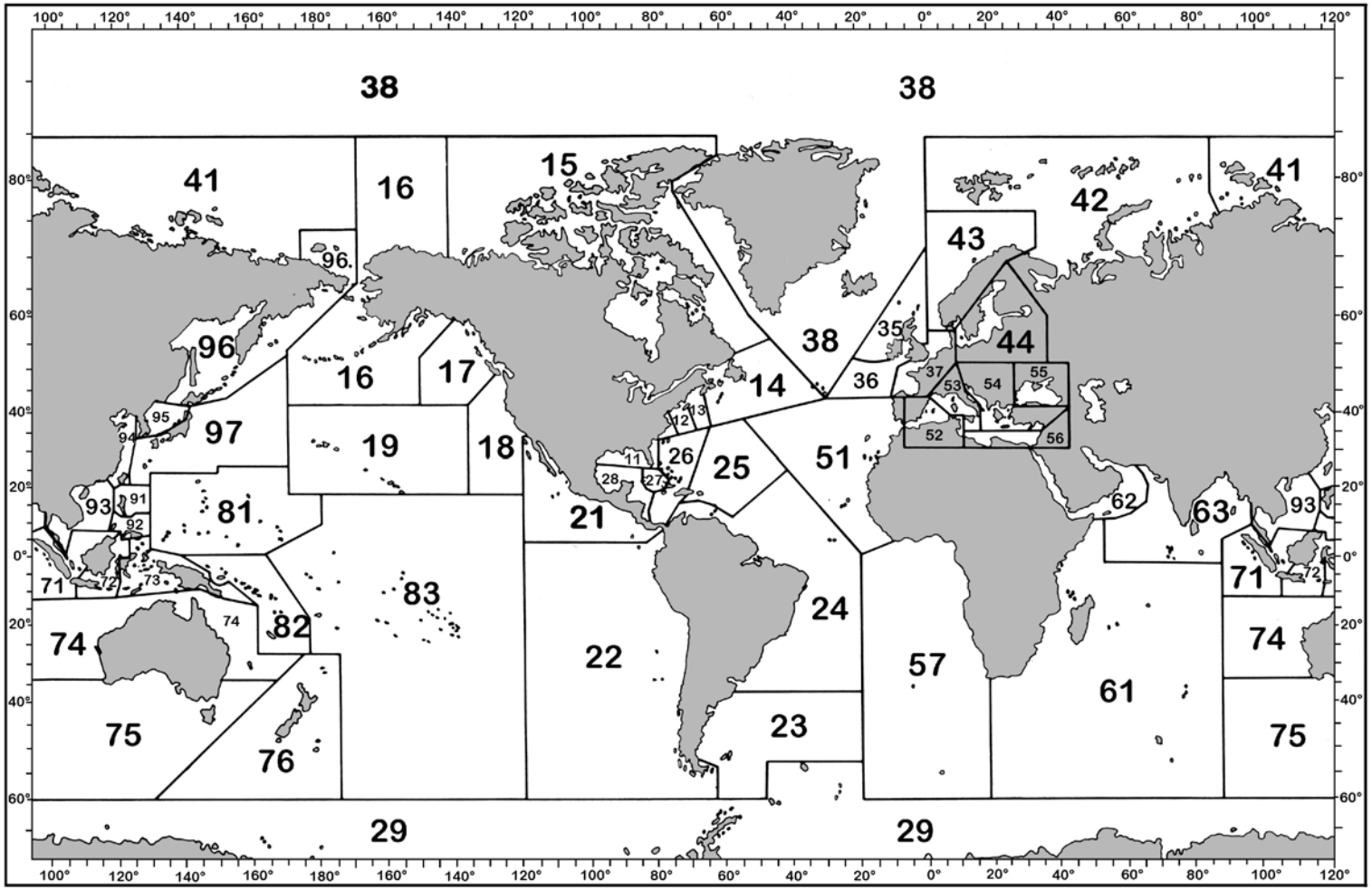
_____

_____

FIRST-CLASS MAIL
POSTAGE & FEES PAID

NGA
PERMIT NO. G-2

MARITIME DOMAIN
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