No. 51

21 DECEMBER 2013

UNITED STATES OF AMERICA

NOTICE TO MARINERS

Published Weekly by the
National Geospatial-Intelligence Agency

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

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Visit the Maritime Safety Web site at http://msi.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 5105.60, 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, USCG Light Lists, NGA List of Lights 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 Safety Office	571-557-8384	N/A	571-558-3213
World Wide Navigational Warning Service	571-557-5455	547-5455	571-558-3426
Maritime Safety Web site	571-557-7103	547-7103	N/A
Notice to Mariners: Regions 1 and 2	571-557-8282	547-8282	571-558-3213
Notice to Mariners: Regions 3 thru 9	571-557-8383	547-8383	571-558-3213
Sailing Directions, Fleet Guides	571-557-5831	547-5831	571-558-3213
Navigation Publications	571-557-8080	547-8080	571-558-3213
NGA/DLIS 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://msi.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: The **Charles W. Morgan,** Americas oldest commercial ship still afloat, was launched from the yard of Jethro and Zachariah Hillman in New Bedford, Massachusetts on July 21, 1841. Whaling was at its height when she was designed and constructed and over an 80-year whaling career, the Morgan embarked on 37 voyages, most lasting three years or more. Upon spying a whale, she would lower her boats and the crew would set out to harpoon their prey. If successful, the whale would be towed back to the ship to be processed for its oil, bone, teeth, baleen, and other materials. She typically sailed with a crew of about 35 and measures 113 feet in length, has a beam of 27 feet 6 inches and a draft of over 14 feet fully loaded. Her main truck is 110 feet above the deck and when fully-rigged, she is capable of carrying approximately 13,000 square feet of sail. The huge try-pots used for converting blubber into whale oil are forward; below are the cramped quarters in which her officers and men lived. In 1968 it was decided to restore her to the rig of a double-topsail bark, which she carried from 1867 through the end of her whaling career. The focus of the recent five-year restoration in the Henry B. duPont Preservation Shipyard at Mystic Seaport, was to address structural issues in the bow and stern and the hull below the waterline, the majority of which dated to the ships original construction. The final phase will involve rigging, restoring her interior, and installing temporary systems necessary to take her back to sea for a ceremonial 38th Voyage in late May 2014. The **Charles W. Morgan** is a National Historic Landmark on display at Mystic Seaport in Mystic, CT. Photo courtesy of Mystic Seaport.

INFORMATION OF SPECIAL INTEREST OR IMPORTANCE TO MARINERS

HYDROGRAM

National Geospatial-Intelligence Agency
Springfield, VA 22150-7500

SPECIAL ANNOUNCEMENTS
NEW PRODUCTS OR SERVICES
IMPORTANT CHANGES

NM 51/13

21 December 2013

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.

NEW EDITIONS OF SAILING DIRECTIONS

PUB. 157, SAILING DIRECTIONS (ENROUTE) COASTS OF KOREA AND CHINA, SIXTEENTH EDITION, 2013 AND PUB. 193, SAILING DIRECTIONS (ENROUTE) SKAGERRAK AND KATTEGAT, FOURTEENTH EDITION, 2013 ARE AVAILABLE AT THE MARITIME SAFETY WEB SITE. THESE EDITIONS ARE PRODUCED BY NGA IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND III.

NEW EDITION OF WORLD PORT INDEX

PUB. 150, WORLD PORT INDEX, TWENTY-THIRD EDITION, 2014, IS AVAILABLE AT THE MARITIME SAFETY WEB SITE. THIS EDITION IS PRODUCED BY NGA IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND III.

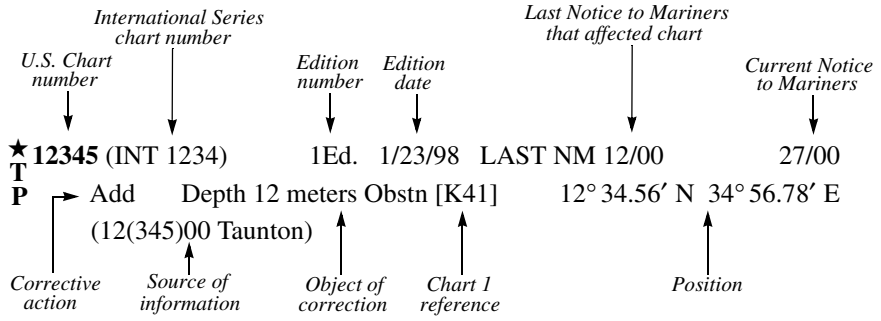
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY'S IMPLEMENTATION OF A HARDCOPY TO DIGITAL TRANSITION STRATEGY

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, USCG Light Lists, NGA List of Lights 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.

Position coordinates are referred to the horizontal datum of the affected chart.

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 Coast Pilots, *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.

500 (INT 810) 8Ed. 6/03 LAST NM 42/12 51/13
Delete Depth 11 meters "Rep", blue tint and enclosing dotted-line circle centered 54° 19′ N 160° 54′ W
(NOS)

521 11Ed. 7/18/81 LAST NM 43/13 51/13
Delete Depth 6 fathoms "Rep (1947)" and enclosing depth contour (10-fathom) centered 54° 19′ N 160° 54′ W
(NOS)

523 8Ed. 7/6/96 LAST NM 43/13 51/13
Delete Depth 6 fathoms "Rep" and enclosing dashed-line circle centered 54° 15′ N 160° 49′ W
(NOS)

530 33Ed. 10/10 LAST NM 50/13 51/13
Delete Depth 6 fathoms "Rep", blue tint and enclosing depth contour (10-fathom) centered 54° 19′ N 160° 52′ W
(NOS)

532 17Ed. 2/3/96 LAST NM 43/13 51/13
Delete Depth 6 fathoms "Rep (1949)" and enclosing depth contour (10-fathom) centered 54° 19′ N 160° 54′ W
(NOS)

803 1Ed. 6/12/67 LAST NM 21/13 51/13
Delete Depth 6 fathoms "Rep (1947)" and enclosing depth contour (10-fathom) centered 54° 11′ N 160° 47′ W
(NOS)

★11370 29Ed. 9/13 NEW EDITION 51/13
(NOS)

★11374 37Ed. 10/13 NEW EDITION 51/13
(NOS)

★11423 9Ed. 10/12/13 NEW EDITION N51/13
Change Period of buoy "C12" to 4s 27° 29.9′ N 83° 43.3′ W
Period of buoy "C10" to 4s 27° 10.2′ N 82° 55.6′ W
Period of buoy "C13" to 4s 26° 03.3′ N 83° 04.4′ W
(Previously published N46/13)

Change Shape of buoy "N" to nun 24° 38.3′ N 82° 47.2′ W
Light to "22" QR 5m 5M 24° 34.3′ N 81° 19.6′ W
(NGA)

★11435 15Ed. 10/5/13 NEW EDITION N51/13
Change Change characteristic of Racon at buoy "2" to (T) 24° 25.8′ N 82° 25.5′ W

Add Superbuoy ODAS "42080" Y, Fl(4) Y 20s 24° 23.8′ N 81° 56.0′ W

"Dump site (discontinued) (dredged material) NOTE NO 1" area bound by fish haven area and dashed line joining 24° 26.9′ N 81° 45.6′ W
24° 26.4′ N 81° 45.6′ W
24° 26.4′ N 81° 44.6′ W
24° 27.4′ N 81° 44.6′ W
24° 27.4′ N 81° 45.4′ W
(NGA)

★11490 20Ed. 1/11 LAST NM 32/13 51/13
(Inset)
Add Tabulation of controlling depths from Subsection I-2
(Supersedes 30/12-11490)
(NOS)

★11491 38Ed. 6/12 LAST NM 32/13 51/13
(Side A)
Change Legend to "35 FT JAN 2013" 30° 23′ 23.1″N 81° 31′ 57.6″W
Legend to "32 FT JAN 2013" 30° 24′ 17.5″N 81° 32′ 47.9″W

Add Tabulation of controlling depths from Subsection I-2

(Side B)
Change Legend to "23 FT 2013" 30° 21′ 31.1″N 81° 37′ 05.8″W
Legend to "20 FT 2013" 30° 19′ 23.4″N 81° 37′ 34.6″W

Add Tabulation of controlling depths from Subsection I-2
(NOS)

11505 4Ed. 10/10 LAST NM 36/13 51/13
Add Tabulation of controlling depths from Subsection I-2
(See 35/13-11505)
(NOS)

★11506 45Ed. 8/12 LAST NM 35/13 51/13
Add Tabulation of controlling depths from Subsection I-2
(Supersedes 35/13-11506)
(NOS)

★11512 63Ed. 4/13 LAST NM 36/13 51/13
Add Tabulation of controlling depths from Subsection I-2
(See 35/13-11512)
(NOS)

11514 30Ed. 10/08 LAST NM 35/13 51/13
(Side A)
Add Tabulation of controlling depths from Subsection I-2
(See 35/13-11514)
(NOS)

11518 38Ed. 5/12 LAST NM 17/13 51/13
(Side A)
Add Chartlet, depicting changes in channel limits, from Subsection I-2 32° 47′ 30.0″N 79° 55′ 10.0″W
(NOS)

★11524 53Ed. 12/11 LAST NM 49/13 51/13
Change Visibility (range) of light "D" to 5M 32° 49′ 00.9″N 79° 55′ 36.0″W

Add Chartlet, depicting changes in channel limits, from Subsection I-2 32° 47′ 30.0″N 79° 55′ 30.0″W
(NOS; 42/13 CG7)

★11534 38Ed. 9/13 NEW EDITION 51/13
(NOS)

★11536 19Ed. 8/10 LAST NM 11/13 51/13
Add Buoy "AR430" Y, can (Priv) 33° 52′ 11″N 78° 10′ 00″W
(48/13 CG5)

14860 36Ed. 6/05 LAST NM 47/13 51/13
Change Light to "2" Fl R 6s 54ft 5 St M 43° 50.7′ N 82° 38.0′ W
(40, 41/13 CG9)

★14862 28Ed. 4/13/02 LAST NM 12/13 51/13
Change Visibility (range) of light "1" to 11 St M 43° 50′ 37″N 82° 37′ 51″W
Light to "2" Fl R 6s 54ft 5 St M 43° 50′ 45″N 82° 37′ 51″W

(Inset Harbor Beach)
Delete Light (undesignated) 43° 50′ 44.4″N 82° 37′ 53.1″W

Change Visibility (range) of light "1" to 11 St M 43° 50′ 37.8″N 82° 37′ 51.8″W

Add Light "2" Fl R 6s 54ft 5 St M 43° 50′ 44.2″N 82° 37′ 52.1″W
(40, 41/13 CG9)

★14918 27Ed. 3/1/04 LAST NM 20/13 51/13
Change Legend to "25 ½ FT FOR MID-WIDTH OF 150 FT AUG 2013" 44° 33′ 58.7″N 87° 59′ 25.2″W

(continued on next page)

14918 (Continued)
Note to
"NOTE B
A depth of 24 feet for a mid-width of 150 feet is available from the channel entrance to buoy 15.
The Corps of Engineers should be consulted for changes to the above information.
Aug 2013"
44° 35′ 23.9″N 88° 03′ 06.7″W
(See 20/13-14918)
(NOS)

16006 35Ed. 4/08 LAST NM 37/13 51/13
Delete Depth 6 fathoms "Rep", blue tint and enclosing depth contour (10-fathom) centered 54° 19.5′ N 160° 52.6′ W
(NOS)

16011 38Ed. 8/12 LAST NM 43/13 51/13
Delete Depth 6 fathoms "Reported", blue tint and enclosing dotted-line circle centered 54° 19.1′ N 160° 52.5′ W
(NOS)

★16528 18Ed. 9/12 LAST NM 47/12 51/13
Add Stranded wreck [K24] (PA) 53° 56′ 11″N 166° 26′ 54″W
(48/13 CG17)

★16531 7Ed. 2/16/02 LAST NM 20/13 51/13
Delete Depth 14 fathoms 54° 10′ 19″N 166° 05′ 21″W

Add Depth 5 ¼ fathoms 54° 04′ 16″N 164° 57′ 42″W
Depth 2 ¼ fathoms 54° 10′ 24″N 166° 05′ 18″W
(NOS)

★16540 13Ed. 10/10 LAST NM 37/13 51/13
Delete Depth 6 fathoms "Reported (1949)", blue tint and enclosing depth contour (10-fathom) centered 54° 19.6′ N 160° 54.0′ W
(NOS)

21033 46Ed. 8/17/96 LAST NM 42/13 51/13
Change Characteristic of light to Fl(3) 20s 1° 35.8′ N 79° 01.5′ W
(See 11/13-21033)
(29(3146)13 Taunton)

22050 4Ed. 4/5/97 LAST NM 16/13 51/13
(Panel A)
Change Characteristic of light to Fl(3) 20s 1° 35.8′ N 79° 02.0′ W
(See 16/13-22050)
(29(3146)13 Taunton)

22081 1Ed. 1/19/07 LAST NM 42/13 51/13
Change Characteristic of light to Fl(3) 20s 1° 38′ 03″N 79° 00′ 35″W
(See 11/13-22081)
(29(3146)13 Taunton)

22102 20Ed. 10/6/12 LAST NM N11/13 N51/13
Delete Depth 10.7 meters 2° 11′ 01.0″S 80° 57′ 55.1″W
Depth 15.5 meters 2° 09′ 56.7″S 80° 56′ 47.2″W
(NTM0007/2013)

★22433 5Ed. 9/21/13 NEW EDITION N51/13
(NGA)

24380 2Ed. 3/6/99 LAST NM 42/13 51/13
Delete Light 6° 54.0′ N 58° 28.9′ W

(Plan)
Delete Light 6° 53′ 57″N 58° 28′ 51″W
(36(3853)13 Taunton)

25669 1Ed. 10/11 LAST NM 46/13 51/13
Add Double solid line (footbridge) [De] between
18° 27′ 48.9″N 66° 06′ 24.8″W
18° 27′ 49.1″N 66° 06′ 22.0″W
(NOS)

★25670 44Ed. 6/11 LAST NM 46/13 51/13
Substitute Dashed line with legend "Ruins" [F33.1] for solid line joining 18° 27′ 49.3″N 66° 06′ 21.8″W
18° 27′ 47.9″N 66° 06′ 22.7″W
18° 27′ 46.6″N 66° 06′ 18.7″W
18° 27′ 51.4″N 66° 06′ 16.0″W

Add Double solid line [De] with legend "Footbridge rep (2013)" between 18° 27′ 48.9″N 66° 06′ 24.8″W
18° 27′ 49.1″N 66° 06′ 21.9″W
(NOS)

★26146 1Ed. 5/22/10 LAST NM 42/13 51/13
Delete Buoy (undesignated) 19° 46′ 33.8″N 72° 11′ 13.2″W

Add Buoy "3A" G, pillar 19° 46′ 32.8″N 72° 11′ 13.8″W
Buoy "6A" pillar 19° 45′ 49.1″N 72° 11′ 07.8″W
(42, 43/13 CG7)

★26218 3Ed. 9/14/13 NEW EDITION N51/13
(NGA)

★37111 2Ed. 9/28/13 NEW EDITION N51/13
(NGA)

★37162 14Ed. 9/28/13 NEW EDITION N51/13
(NGA)

37221 14Ed. 6/21/08 LAST NM 49/13 51/13
Add Buoy "22" R, pillar, Fl R 4s 54° 14.6′ N 8° 39.5′ E
Buoy "24" R, pillar, Fl R 4s 54° 14.9′ N 8° 39.7′ E
(23(105)12 Hamburg)

37232 13Ed. 6/14/08 LAST NM N50/13 N51/13
Substitute Depth 10.6 meters for 11.2 meters
53° 30′ 52.8″N 8° 09′ 46.2″E

Add Depth 9.5 meters 53° 30′ 43.8″N 8° 10′ 37.2″E
and extend depth contour (10-meter) and blue tint W to enclose

(Plan)
Add Depth 10.6 meters 53° 30′ 52.8″N 8° 09′ 46.2″E
(23(7)12 Hamburg)

37235 11Ed. 6/27/98 LAST NM 10/13 51/13
(Panel 1)
Relocate Buoy"85"from53° 21′ 32.3″N 8° 29′ 56.0″Eto
53° 21′ 36.2″N 8° 29′ 55.9″E
(23(5)12 Hamburg)

★37244 13Ed. 9/28/13 NEW EDITION N51/13
(NGA)

★44200 10Ed. 9/7/13 NEW EDITION N51/13
(NGA)

44366 1Ed. 5/27/89 LAST NM 43/13 51/13
Delete Dashed line and legend "252° 42′ -072° 42′ " joining 60° 34′ 29″N 28° 24′ 22″E
60° 34′ 48″N 28° 26′ 15″E
60° 34′ 50″N 28° 26′ 48″E

Dashed line and legend "223° 18′ -043° 18′ " between 60° 26′ 52″N 28° 20′ 09″E
60° 27′ 30″N 28° 21′ 19″E

Dashed line and legend "180° -000° " between
60° 27′ 30″N 28° 21′ 18″E
60° 32′ 44″N 28° 21′ 15″E

Change First line of NOTE to "The Traffic Separation Scheme(s), OFF SOMMERS ISLAND, is approved by the" 60° 31′ 57″N 28° 03′ 17″E

(continued on next page)

44366 (Continued)
Add Purple heavy dashed line (outside limit of traffic lane) [M15] joining 60° 24′ 11″N 28° 05′ 35″E
60° 24′ 23″N 28° 05′ 54″E
60° 26′ 17″N 28° 18′ 20″E
60° 28′ 22″N 28° 22′ 17″E
60° 32′ 51″N 28° 22′ 21″E
60° 34′ 18″N 28° 24′ 56″E

Purple heavy dashed line (outside limit of traffic lane) [M15] joining 60° 24′ 49″N 28° 04′ 00″E
60° 25′ 57″N 28° 12′ 12″E
60° 28′ 17″N 28° 20′ 10″E
60° 31′ 43″N 28° 20′ 13″E

Purple heavy dashed line (outside limit of traffic lane) [M15] between 60° 32′ 23″N 28° 19′ 57″E
60° 34′ 40″N 28° 23′ 53″E

Pilot station symbol [T1.1] 60° 34′ 05″N 28° 23′ 39″E

Purple tint line (traffic separation line) [M12] between 60° 24′ 32″N 28° 04′ 55″E
60° 25′ 45″N 28° 12′ 43″E

Purple tint line (traffic separation line) [M12] between 60° 28′ 16″N 28° 21′ 16″E
60° 32′ 44″N 28° 21′ 16″E

Purple tint area (traffic separation zone) [M13] bound by limit joining 60° 25′ 45″N 28° 12′ 43″E
60° 26′ 34″N 28° 18′ 08″E
60° 28′ 16″N 28° 21′ 16″E

Dashed line (recommended track) [M4] joining
60° 34′ 30″N 28° 24′ 19″E
60° 35′ 13″N 28° 25′ 38″E
60° 34′ 59″N 28° 26′ 48″E

Open-outlined arrow indicating flow of traffic [M10] oriented 252° 42′ 60° 25′ 24″N 28° 09′ 40″E
Open-outlined arrow indicating flow of traffic [M10] oriented 072° 42′ 60° 25′ 18″N 28° 11′ 01″E
Open-outlined arrow indicating flow of traffic [M10] oriented 239° 12′ 60° 26′ 42″N 28° 15′ 36″E
Open-outlined arrow indicating flow of traffic [M10] oriented 043° 60° 26′ 55″N 28° 19′ 18″E
Open-outlined arrow indicating flow of traffic [M10] oriented 180° 60° 30′ 54″N 28° 20′ 46″E
Open-outlined arrow indicating flow of traffic [M10] oriented 000° 60° 30′ 54″N 28° 21′ 46″E

Buoy BYB, pillar, double cone topmark bases together, Q(3) 10s [Q130.3] 60° 23′ 18″N 28° 01′ 46″E
Buoy BY, pillar, double cone topmark points upward, Q [Q130.3] 60° 24′ 33″N 28° 07′ 01″E
Buoy BY, pillar, double cone topmark points upward, Q [Q130.3] 60° 25′ 44″N 28° 14′ 34″E
Buoy BY, pillar, double cone topmark points upward, Q [Q130.3] 60° 27′ 00″N 28° 17′ 27″E
Buoy YB, pillar, double cone topmark points downward, Q(6) + L Fl 15s [Q130.3]
60° 27′ 47″N 28° 17′ 56″E
Buoy "2" RW, pillar, ball topmark, L Fl 6s
60° 28′ 16″N 28° 21′ 16″E
Buoy "3" RW, pillar, ball topmark, L Fl 6s
60° 32′ 44″N 28° 21′ 16″E
Buoy BY, pillar, double cone topmark points upward, Q [Q130.3] 60° 35′ 00″N 28° 25′ 48″E

Legend "OFF SOMMERS ISLAND"
60° 21′ 39″N 28° 03′ 19″E
(NTM0015/2013; 12(1533, 1536)05, 2(33)07, 7(887)12 St. Petersburg; UKHO ARCS 2264-0, 2264-1)

★53093 4Ed. 9/28/13 NEW EDITION N51/13
(NGA)

62032 16Ed. 2/1/03 LAST NM 49/13 51/13
Add Platform (lighted) [L10] 26° 43.2′ N 52° 21.1′ E
Platform (lighted) [L10] 26° 41.5′ N 52° 23.6′ E
Platform (lighted) [L10] 26° 55.9′ N 52° 21.0′ E
(27(3022)13 Taunton)

62033 3Ed. 2/1/03 LAST NM N49/13 N51/13
Add Platform (lighted) [L10] 26° 43.2′ N 52° 21.1′ E
Platform (lighted) [L10] 26° 41.5′ N 52° 23.6′ E
Platform (lighted) [L10] 26° 55.9′ N 52° 21.0′ E
(27(3022)13 Taunton)

62480 2Ed. 3/1/03 LAST NM 49/13 51/13
Add Platform (lighted) [L10] 26° 43.2′ N 52° 21.1′ E
Platform (lighted) [L10] 26° 41.5′ N 52° 23.6′ E
Platform (lighted) [L10] 26° 55.9′ N 52° 21.0′ E
(27(3022)13 Taunton)

62520 6Ed. 3/15/03 LAST NM 48/13 51/13
Add Platform (lighted) [L10] 26° 43.2′ N 52° 21.1′ E
Platform (lighted) [L10] 26° 41.5′ N 52° 23.6′ E
Platform (lighted) "SPD-14D" [L2] 26° 55.9′ N 52° 21.0′ E
(27(3022)13 Taunton)

62521 4Ed. 3/15/03 LAST NM N48/13 N51/13
Add Platform (lighted) [L10] 26° 43.2′ N 52° 21.1′ E
Platform (lighted) [L10] 26° 41.5′ N 52° 23.6′ E
Platform (lighted) "SPD-14D" [L2] 26° 55.9′ N 52° 21.0′ E
(27(3022)13 Taunton)

62550 3Ed. 2/22/03 LAST NM 48/13 51/13
Add Platform (lighted) [L10] 26° 43′ 14″N 52° 21′ 08″E
Platform (lighted) [L10] 26° 41′ 28″N 52° 23′ 37″E
(27(3022)13 Taunton)

71005 1Ed. 1/25/92 LAST NM 38/13 51/13
Add Depth 32 meters Wk [K26] 1° 57.7′ N 102° 10.6′ E
Dangerous wreck [K28] (PA) 3° 55.4′ N 100° 40.4′ E
(115, 127T/13 Malaysia)

71027 9Ed. 9/19/98 LAST NM 46/13 51/13
Add Platform (lighted) [L10] 4° 38.6′ N 113° 37.2′ E
Platform (lighted) [L10] 5° 10.6′ N 114° 18.5′ E
Platform (lighted) [L10] 4° 56.9′ N 112° 31.7′ E
(99, 100, 104/13 Sarawak)

71275 4Ed. 3/8/08 LAST NM 40/13 51/13
Add Depth 32 meters Wk [K26] 1° 57.7′ N 102° 10.6′ E
(115/13 Malaysia)

71295 3Ed. 1/30/10 LAST NM 30/11 51/13
Add Dangerous wreck [K28] (PA) 3° 55.4′ N 100° 40.4′ E
(127T/2013 Malaysia)

71305 2Ed. 1/2/99 LAST NM 42/13 51/13
Add Light Fl Y 3s 12m 5M 6° 22.1′ N 99° 54.6′ E
Light Fl Y 5s 12m 5M 6° 21.6′ N 99° 54.7′ E
Light Fl Y 6s 12m 5M 6° 22.2′ N 99° 55.5′ E
Light Fl Y 5s 12m 5M 6° 23.7′ N 100° 07.3′ E
Light Fl Y 10s 12m 5M 6° 23.1′ N 100° 07.5′ E
(15/11 Malaysia)

71313 8Ed. 1/31/98 LAST NM 23/11 51/13
Delete Buoy 7° 04′ 23″N 117° 07′ 13″E

Add Beacon G, Fl G 5s 5M 7° 04′ 27″N 117° 07′ 27″E
(9/08 Sabah; UKHO ARCS 948-0)

71314 5Ed. 11/21/81 LAST NM 23/11 51/13
Delete Buoy 7° 04′ 30″N 117° 07′ 00″E

Add Beacon G, Fl G 5s 5M 7° 04′ 27″N 117° 07′ 27″E
(9/08 Sabah; UKHO ARCS 948-0)

71315 2Ed. 5/1/99 LAST NM 22/13 51/13
Add Light Fl Y 3s 12m 5M 6° 22′ 03″N 99° 54′ 37″E
Light Fl Y 5s 12m 5M 6° 21′ 33″N 99° 54′ 44″E
Light Fl Y 6s 12m 5M 6° 22′ 11″N 99° 55′ 28″E
Light Fl Y 5s 12m 5M 6° 23′ 42″N 100° 07′ 20″E
Light Fl Y 10s 12m 5M 6° 23′ 03″N 100° 07′ 28″E
(15/11 Malaysia)

71330 13Ed. 4/2/94 LAST NM 49/13 51/13
Add Platform (lighted) [L10] Mo(U) 15s
4° 38′ 36″N 113° 37′ 02″E
Platform (lighted) [L10] 5° 10′ 39″N 114° 18′ 18″E
(100, 104/13 Sarawak)

71340 12Ed. 7/6/13 LAST NM N44/13 N51/13
Add Platform (lighted) [L10] Mo(U) 15s 4° 38.6′ N 113° 37.2′ E
(100/13 Sarawak)

71401 2Ed. 6/2/12 LAST NM N36/12 N51/13
Change Characteristic of buoy "Fairway" to Fl R 4s
3° 12′ 27.6″N 113° 00′ 52.3″E
(96/13 Sarawak)

71402 1Ed. 7/6/91 LAST NM 51/11 51/13
Change Characteristic of buoy "Fairway" to Fl R 4s
3° 12′ 28″N 113° 00′ 52″E
(96/13 Sarawak)

74023 1Ed. 3/29/94 LAST NM N13/07 N51/13
Substitute Foul ground symbol [K31.1] for beacon
25° 58′ 29″S 114° 04′ 26″E
(23(1145)13 Wollongong)

74180 1Ed. 2/18/00 LAST NM N4/13 N51/13
Relocate Beacon "No 6" from
27° 19.218′ S 153° 12.226′ E to 27° 19.202′ S 153° 12.235′ E
(24(1196)13 Wollongong)

74258 1Ed. 5/11/01 LAST NM N14/13 N51/13
Delete Light 16° 56′ 26.3″S 145° 46′ 43.7″E
(24(1193)13 Wollongong)

74302 1Ed. 6/13/03 LAST NM N43/13 N51/13
Substitute Depth 12.1 meters Wk [K26] for dangerous
wreck 12° 28.4′ S 130° 48.1′ E
(23(1140)13 Wollongong)

74345 1Ed. 7/17/09 LAST NM N10/12 N51/13
Relocate Beacon from 28° 44.79′ S 114° 36.42′ E to
28° 44.76′ S 114° 36.54′ E
(23(1143)13 Wollongong)

74380 4Ed. 9/13/97 LAST NM 48/10 51/13
Add Depth 1.7 meters 11° 12.7′ S 132° 29.8′ E
(23(1139)13 Wollongong)

74397 1Ed. 8/22/03 LAST NM N49/13 N51/13
Delete Dangerous wreck 12° 28.43′ S 130° 47.96′ E
Dangerous wreck 12° 28.49′ S 130° 48.04′ E
Depth 17.3 meters 12° 28.49′ S 130° 48.19′ E

Add Depth 12.1 meters Wk [K26] 12° 28.44′ S 130° 48.08′ E
(23(1140)13 Wollongong)

74491 4Ed. 4/22/95 LAST NM 12/09 51/13
Add Buoy Y, pillar, Fl Y 3s [Q130.6] 20° 12′ 36″S 118° 33′ 44″E
(23(1144)13 Wollongong)

74493 3Ed. 8/9/97 LAST NM 33/10 51/13
Add Buoy Y, pillar, Fl Y 3s [Q130.6] 20° 12′ 36″S 118° 33′ 44″E
(23(1144)13 Wollongong)

★**91060** 2Ed. 8/31/13 NEW EDITION N51/13
(NGA)

91240 5Ed. 3/23/96 LAST NM 8/12 51/13
Add Submarine cable [L30.1] joining 16° 32′ 44″N 120° 19′ 12″E
16° 32′ 03″N 120° 16′ 07″E
16° 34′ 59″N 120° 11′ 02″E

Submarine cable [L30.1] joining 16° 32′ 44″N 120° 19′ 11″E
16° 33′ 08″N 120° 15′ 45″E
16° 35′ 49″N 120° 12′ 26″E
(5(78)10 Port Klang; UKHO ARCS 4411-0)

93006 3Ed. 3/15/08 LAST NM 46/13 51/13
Add Submarine cable [L30.1] joining 22° 10.5′ N 114° 32.8′ E
21° 45.7′ N 115° 25.8′ E
21° 10.7′ N 115° 46.8′ E
21° 06.6′ N 115° 48.7′ E
(5(78)10 Port Klang)

93036 12Ed. 2/9/13 LAST NM N46/13 N51/13
Add Submarine cable [L30.1] joining 22° 10.5′ N 114° 32.8′ E
21° 45.7′ N 115° 25.8′ E
21° 10.7′ N 115° 46.8′ E
21° 06.6′ N 115° 48.5′ E
(5(78)10 Port Klang)

93721 6Ed. 4/26/08 LAST NM N48/13 N51/13
Delete Buoy 22° 16′ 28″N 113° 43′ 21″E
Buoy 22° 17′ 28″N 113° 43′ 21″E
(See N9/13-93721)

Add Buoy Y, pillar, "X" topmark, Mo(O) [Q130.6]
22° 16′ 20″N 113° 42′ 44″E
Buoy Y, pillar, "X" topmark, Mo(O) [Q130.6]
22° 17′ 23″N 113° 42′ 45″E
(24(59)13 Hong Kong)

96044 10Ed. 7/3/93 LAST NM 39/13 51/13
Change First line of Caution No. 2 to "In areas No. 97,
98, 99-A and 313, anchoring, bottom fishing,"
42° 47′ 39.6″N 133° 05′ 12.8″E

Add Submarine cable [L30.1] between
42° 48′ 18.8″N 132° 53′ 03.0″E
42° 47′ 59.5″N 132° 53′ 31.1″E

Purple composite line joining 42° 48′ 23.5″N 132° 53′ 10.5″E
42° 48′ 01.3″N 132° 53′ 40.0″E
42° 47′ 59.1″N 132° 53′ 36.5″E

Purple composite line joining 42° 47′ 52.9″N 132° 53′ 24.6″E
42° 48′ 15.3″N 132° 52′ 57.0″E
42° 48′ 18.9″N 132° 53′ 02.7″E

Legend "AREA NO 97 CAUTION NO 2"
42° 48′ 07.9″N 132° 53′ 20.5″E
(9(1084)06 St. Petersburg)

Chart 11518 (Side A) NM 51/13

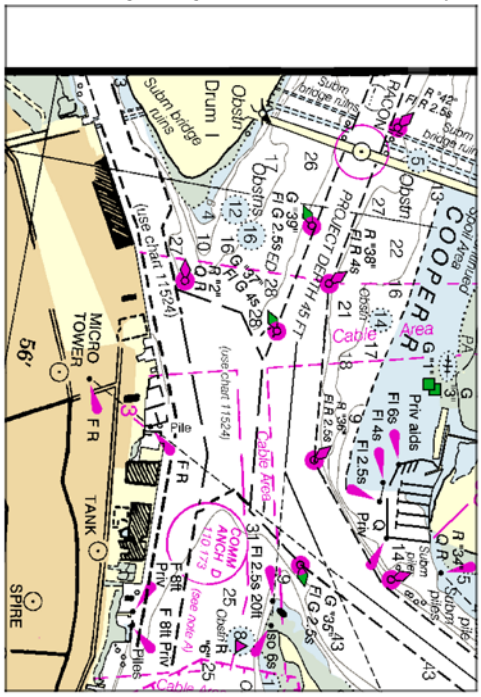


Chart 11524 NM 51/13

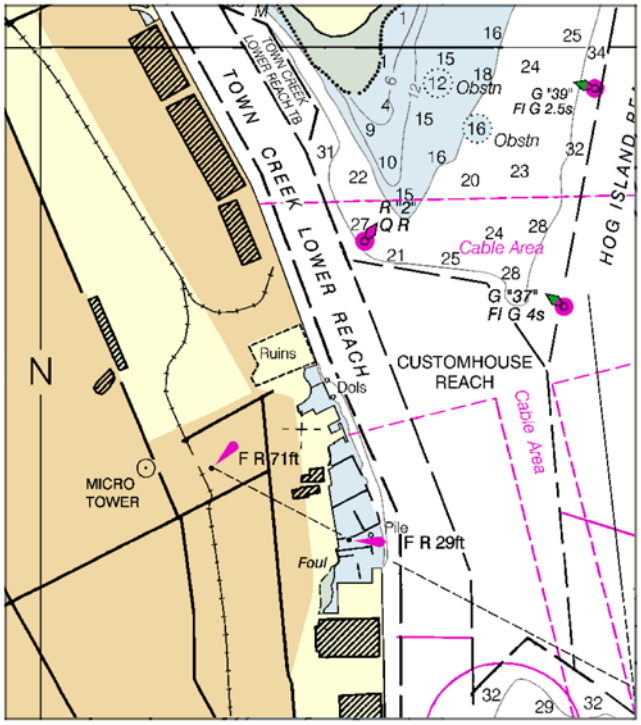


Chart 11490 (Inset) NM 51/13

ST. JOHNS RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2013 AND SURVEYS TO MAY 2013

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)
ST. JOHNS BAR CUT RANGE, EAST SECTION	45.0	48.0	49.0	47.0	2-12;1,5-13	800	3.2	42
ST. JOHNS BAR CUT RANGE, WEST SECTION	39.0	40.0	40.0	40.0	1,5-13	750-800	1.6	40
MAYPORT ENTRANCE CHANNEL	38.1	48.9	48.3	48.3	1-13	500	0.8	42
PILOT TOWN CUT RANGE	39.0	42.0	43.0	42.0	5-13	850-900	0.9	40

NOTES-(1) THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11491 (Side A) NM 51/13

ST. JOHNS RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2013
AND SURVEYS TO MAY 2013

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)
ST. JOHNS BAR CUT RANGE, EAST SECTION	45.0	48.0	49.0	47.0	2-12; 1,5-13	800	3.2	42
ST. JOHNS BAR CUT RANGE, WEST SECTION	39.0	40.0	40.0	40.0	1,5-13	750-800	1.6	40
MAYPORT ENTRANCE CHANNEL	38.1	48.9	48.3	48.3	1-13	500	0.8	42
PILOT TOWN CUT RANGE	39.0	42.0	43.0	42.0	5-13	850-900	0.9	40
MAYPORT CUT RANGE	43.0	42.0	42.0	42.0	2-12; 5-13	1025	0.5	40
SHERMAN CUT RANGE	43.0	43.0	43.0	38.0	2-12; 5-13	625	0.4	40
MILE POINT LOWER RANGE AND TURN	39.0	41.0	40.0	38.0	2-12; 5-13	625	0.8	40
TRAINING WALL REACH	40.0	41.0	41.0	39.0	2-12	475-625	1.2	40
SHORT CUT TURN	38.0	42.0	42.0	41.0	2-12; 1-13	525-575	0.5	40
WHITE SHELLS CUT RANGE	37.0	40.4	41.9	42.1	12-12	575-900	0.8	40
ST. JOHNS BLUFF REACH	37.7	40.9	37.0	36.0	12-12; 5-13	600-750	0.9	40
DAMES PT.-FULTON CUTOFF	34.6	39.6	39.6	38.8	1,5-13	475-837	2.9	40
DAMES PT. TURN THRU QUARANTINE I. UPPER RANGE	38.1	41.1	37.6	39.8	12-12; 5-13	525-1175	1.3	40
BRILLS CUT RANGE	34.3	40.7	40.7	36.1	1,5-13	425-600	1.2	40
BROWARD POINT TURN	17.0	37.0	41.0	42.0	1,5-13	490-830	0.9	40
BLOUNT ISLAND CHANNEL	28.0	33.1	33.4	26.3	1,5-13	300-1000	2.0	28
BLOUNT ISLAND EAST CHANNEL	15.3	19.4	20.6	19.6	1,5-13	300	1.0	30

NOTE: THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11491 (Side B) NM 51/13

ST. JOHNS RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2013
AND SURVEYS TO MAY 2013

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)
DAMES PT TURN THRU QUARANTINE I. UPPER RANGE	38.1	41.1	37.6	39.8	12-12; 5-13	525-1175	1.3	40
BRILLS CUT RANGE	34.3	40.7	40.7	36.1	1,5-13	425-600	1.2	40
BROWARD POINT TURN	17.0	37.0	41.0	42.0	1,5-13	490-830	0.9	40
DRUMMOND CREEK RANGE	37.8	41.3	41.0	37.8	12-12;5-13	375-865	1.5	40
TROUT RIVER CUT RANGE	36.8	41.0 A	39.7	39.1	12-12	400-860	1.1	40
CHASEVILLE TURN	40.1	42.4	42.3	39.4	12-12	450-800	0.7	40
LONG BRANCH RANGE	34.4	39.5	40.5	34.8	12-12	650-1340	0.8	40
TERMINAL CHANNEL	21.8	27.3	19.6	18.4	12-12	559-1340	3.8	30-40

A: EXCEPT FOR A 36 FT OBSTRUCTION LOCATED BY AN NOS SURVEY AT 30°23'37.1" N, 081°37'25.6" W
NOTE: THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11505 NM 51/13

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2013

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)
TYBEE RANGE	42.0	42.0	43.5	40.5	9-13	600	3.79	44
BLOODY POINT RANGE	40.5	42.0	42.0	39.0	9-13	600	3.41	44
JONES ISLAND RANGE	42.5	41.5	43.5	43.0	9-13	600	1.33	44
TYBEE KNOLL CUT RANGE	42.0	43.5	42.5	42.0	9-13	500	2.84	42

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

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

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

Chart 11506 NM 51/13

BRUNSWICK HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2013

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)
ENTRANCE THRU TURTLE RIVER								
ST. SIMONS RANGE	31.5	H33.5	33.0	32.0	8,9-13	500	9.7	38
PLANTATION CREEK RANGE (A)	36.0	39.0	41.0	42.0	8,9-13	400	1.8	36
JEKYLL ISLAND RANGE (B)	39.0	38.5	38.0	37.5	9-13	400	1.9	36
CEDAR HAMMOCK RANGE (C)	34.5	34.5	32.5	31.0	9-13	400	1.4	36
BRUNSWICK POINT CUT RANGE	35.0	36.5	37.0	36.0	9-13	400	2.4	36
TURTLE RIVER LOWER RANGE	37.0	37.5	37.5	36.5	9-13	400	1.8	36
BLYTHE ISLAND RANGE	29.0	29.0	27.5	27.0	9-13	300	1.5	30
TURTLE RIVER UPPER RANGE	30.5	30.0	28.5	27.0	9-13	300	2.7	30
EAST RIVER (D)								
ENTRANCE TO SECOND AVE (E)	35.0	35.0	35.0	35.0	9-13	400	1.2	37- 41
SECOND AVE TO MAYOR'S POINT	I36.0	37.0	37.0	36.0	9-13	400	1.0	36
SOUTH BRUNSWICK RIVER (F & G)	36.0	37.5	37.0	36.0	9-13	400	1.3	36

A. THE WIDENER AT INTERSECTION OF PLANTATION CREEK RANGE AND JEKYLL ISLAND RANGE LEAST DEPTHS WERE 45.0 FEET, LOCATED 100 FEET INSIDE THE CHANNEL LIMIT, AND 52.0 FEET, LOCATED 400 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE.

B. THE WIDENER AT INTERSECTION OF JEKYLL ISLAND RANGE AND CEDAR HAMMOCK RANGE LEAST DEPTH WAS 37.0 FEET, LOCATED 75 FEET INSIDE THE CHANNEL LIMIT FROM THE RIGHT SIDE.

C. THE WIDENER AT INTERSECTION OF CEDAR HAMMOCK RANGE AND BRUNSWICK POINT CUT RANGE LEAST DEPTH WAS 36.0 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT FROM THE RIGHT SIDE.

D. THE EAST RIVER TURNING BASIN LEAST DEPTHS WERE 37.0 FEET 100 FEET FROM BACKSIDE, 36.0 FEET 400 FEET FROM BACKSIDE AND 35.0 FEET 600 FEET FROM BACKSIDE.

E. THE EAST RIVER ENTRANCE TO SECOND AVE WIDENER LEAST DEPTHS WERE 34.0 FEET LOCATED 50 FEET INSIDE THE CHANNEL LIMIT AND 38.0 FEET LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE, AND 41.0 FEET LOCATED 75 FEET INSIDE THE CHANNEL LIMIT FROM THE RIGHT SIDE.

F. THE SOUTH BRUNSWICK RIVER TURNING BASIN LEAST DEPTHS WERE 40.0 FEET,100 FEET AND 40.0 FEET, 400 FEET FROM THE LEFT SIDE AND 39.0 FEET, 100 FEET AND 38.0 FEET, 400 FEET FROM THE RIGHT SIDE.

G. THE SOUTH BRUNSWICK RIVER GPA DOCK LEAST DEPTHS WERE 32.0 FEET ALONG THE DOCK AND 36.0 FEET ON THE RIGHT SIDE.

H. EXCEPT FOR A 35 FEET OBSTRUCTION LOCATED BY A NOS SURVEY OF JUL 2006 AT 31°04'15.5"N, 081°16'57.4"W.

I. EXCEPT FOR A DANGEROUS WRECK LOCATED IN APPROXIMATE POSITION 31°08'49.8"N, 81°29'59.3"W.

NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN)

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

Chart 11512 NM 51/13

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2013

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)
TYBEE RANGE	42.0	42.0	43.5	40.5	9-13	600	3.79	44
BLOODY POINT RANGE	40.5	42.0	42.0	39.0	9-13	600	3.41	44
JONES ISLAND RANGE	42.5	41.5	43.5	43.0	9-13	600	1.33	44
TYBEE KNOLL CUT RANGE	42.0	43.5	42.5	42.0	9-13	500	2.84	42
NEW CHANNEL RANGE (A)	39.0	42.5	43.0	41.5	9-13	500	1.89	42
L. I. CROSSING RANGE	41.5	41.5	42.5	42.0	9-13	500	3.03	42
LOWER FLATS RANGE	41.5	43.5	43.5	39.5	9-13	500	1.52	42
UPPER FLATS RANGE	43.5	45.0	44.5	41.0	9-13	500	1.33	42
THE BIGHT CHANNEL	44.0	46.0	46.5	46.5	9-13	500	1.7	42
FT. JACKSON RANGE	42.5	46.0	44.5	42.5	9-13	500	0.76	42
OGLETHORPE RANGE	43.0	44.5	44.5	43.5	9-13	500	1.33	42
WRECKS CHANNEL (B)	42.0	42.5	45.0	42.5	9-13	500	1.7	42
CITY FRONT CHANNEL	43.5	44.5	42.5G	40.0	9-13	500	1.7	42
MARSH ISLAND CHANNEL (C)	36.0H	41.5	42.0	39.0	9-13	500	1.9	42
KINGS ISLAND CHANNEL (D)	35.5	42.0	42.5	39.0I	9-13	500	2.46	42
WHITEHALL CHANNEL (E)	32.5	34.0	36.0	38.0	9-13	400	0.66	42-36
PORT WENTWORTH CHANNEL (F)	30.0J	25.5	23.5	32.0	12-94; 9-13	200	1.33	30

A. OYSTER BED I. TURNING BASIN-CONTROLLING DEPTH 42.0 FT, 41.0 FT 100 FT FROM BACKSIDE.
B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 37.0 FT, 27.0 FT 100 FT FROM BACKSIDE.
C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 28.0 FT, 20.5 FT 100 FT FROM BACKSIDE.
D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 48.0 FT, 48.0 FT 100 FT FROM BACKSIDE.
E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 28.0 FT 100 FT FROM BACKSIDE.
F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 24.0 FT, 15.0 FT 100 FT FROM BACKSIDE.
G. EXCEPT FOR A 41 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'00.06"N 81°05'27.07"W
H. EXCEPT FOR A 39 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'18.29"N 81°05'58.99"W
I. EXCEPT FOR A 38 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°07'27.45"N 81°08'02.29"W
J. EXCEPT FOR A 31 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°09'15.04"N 81°09'11.46"W

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.
NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.
NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11514 NM 51/13

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2013

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)
OGLETHORPE RANGE	43.0	44.5	44.5	43.5	9-13	500	1.33	42
WRECKS CHANNEL (A)	42.0	42.5	45.0	42.5	9-13	500	1.7	42
CITY FRONT CHANNEL	43.5	44.5	42.5F	40.0	9-13	500	1.7	42
MARSH ISLAND CHANNEL (B)	36.0G	41.5	42.0	39.0	9-13	500	1.9	42
KINGS ISLAND CHANNEL (C)	35.5	42.0	42.5	39.0H	9-13	500	2.46	42
WHITEHALL CHANNEL (D)	32.5	34.0	36.0	38.0	9-13	400	0.66	42-36
PORT WENTWORTH CHANNEL (E)	30.0I	25.5	23.5	32.0	12-94; 9-13	200	1.33	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 37.0 FT, 27.0 FT 100 FT FROM BACKSIDE.
B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 28.0 FT, 20.5 FT 100 FT FROM BACKSIDE.
C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 48.0 FT, 48.0 FT 100 FT FROM BACKSIDE.
D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 28.0 FT 100 FT FROM BACKSIDE.
E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 24.0 FT, 15.0 FT 100 FT FROM BACKSIDE.
F. EXCEPT FOR A 41 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'00.06"N 81°05'27.07"W
G. EXCEPT FOR A 39 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'18.29"N 81°05'58.99"W
H. EXCEPT FOR A 38 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°07'27.45"N 81°08'02.29"W
I. EXCEPT FOR A 31 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°09'15.04"N 81°09'11.46"W

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.
NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.
NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHARTS AFFECTED BY NOTICE TO MARINERS NM 1/13 THROUGH NM 51/13

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	31/13
13	1	31/13
14	4	31/13
21	4	13,34/13
22	1	13,34/13
50	7	34,43,45/13
53	2	43/13
62	3	11,18/13
100	1	31/13
106	1	18/13
120	6	30,31/13
121	5	31/13
124	10	30/13
126	39	31/13
200	3	4,9,21/13
201	2	21/13
204	4	17/13
211	5	13,34/13
400	3	43/13
401	5	43/13
411	54	44/13*
500	8	51/13
501	13	2,3,7,12,17,28,32,34,36, 42,45,48/13
502	2	3,12,17,34,48/13
506	2	29,31,41/13
507	2	13/13
508	2	40/13
509	4	10,13,34,36,42/13
510	3	41/13
513	7	43/13
514	7	21/13
520	127	45/13
521	11	43,51/13
522	87	41,42/13
523	8	43,51/13
524	12	41/13
525	3	41/13
526	10	41/13
530	33	3,11,17,28,32,34,36,38, 42,43,45,48,50,51/13
531	24	2,36/13
532	17	21,43,51/13
541	2	31/13
550	7	11,13,40/13
609	2	18/13
625	4	18/13
632	8	16/13
700	4	40/13
702	5	29,35,46/13
707	2	31/13
800	4	21/13
803	1	21,51/13
1113A		21*,35,36,37,46/13
1114A		37,46/13
1115A		1,2,3,5,9,14,20,27,35,40, 42,47/13
1116A		23*,25,27,30,32,33,35, 37,40,43,44,47,48,49/13
1117A		5,13,14,17,21,37,43, 47/13
11004	8	13,14,21,27,32,33,42,43, 47/13
11006	34	44/13*
11009	39	6,8,40,44/13
11013	48	8,14,23,30,36,49/13
11299	1	N1,N5,N6/13
11300	43	5,13,14,17,21,37,43, 47/13
11301	25	9,26,37,40,43,47,49/13
11302	33	9,26,37,49/13
11305	2	N6,N13,N26,N48/13
11307	38	5/13
11308	24	48/13
11309	41	1,5,6,13,26,48/13
11310	2	N1,N6,N26/13
11311	24	6,13,33,49/13
11312	5	1,5,6,13,26,48/13
11313	24	5,9/13
11314	25	5/13
11316	42	1,5,9,49/13
11317	32	1,5,21,49/13
11318	2	N6,N13,N26,N48/13
11319	34	5,49/13
11320	1	N5/13
11321	30	9,33/13
11323	64	1,2,6,13,14,17,26,27,40, 47/13
11324	38	36/13*
11325	40	17*,26,30/13
11326	38	1,2,14,33,35,37,47/13
11327	36	7*,26,47/13
11328	27	13*,26,33,35/13
11329	38	9,26,33,35/13
11330	22	28*,35,44,48,49/13
11331	21	37/13
11332	33	13*,21,25,26,27,37,49/13
11339	4	18*,26,27,33,43,47/13
11340	77	26*,27,30,32,33,35,37, 40,43,44,47,48,49/13
11341	44	22*,25,26,37,43,47,49/13
11342	55	2*,13,14,18,26,37/13
11343	38	13,26,37/13
11344	39	9,13,18,20,25,26,43,47, 49/13
11345	35	25/13
11346	4	3,20,26,32,37,40,42, 49/13
11347	40	25*,27,33,43,44,47/13
11348	23	23*,43/13
11349	45	2,3,4,6,9,13,15,18,27,35, 37,40,48/13
11351	43	1,5,13,48,49/13
11352	42	3,27,40/13
11353	6	14,27,49/13
11355	30	38/13*
11356	40	36*,37,40,44,47,49/13
11357	42	1,2,3,9,15,21,27,33,37, 40,42,43,44,47,49/13
11358	57	1,6,20,32,33,37,40,43, 49/13
11360	44	1,2,3,5,9,14,20,27,35,40, 42,47/13
11361	77	27*,40,42,44,49/13
11362	5	N1,N2,N3,N5,N9,N14, N20,N27,N35,N40,N42, N47/13
11363	44	17*,20,27,30/13
11365	23	8*,20,27,37,49/13
11366	15	2,3,5,9,14,20,27,30,32, 33,35,37,40,42,43,47, 49/13
11367	36	27/13
11368	25	27/13
11370	29	51/13*
11371	40	27/13
11372	35	27,30,33/13
11373	50	9,14,20,27,30,33,37, 42/13
11374	37	51/13*
11375	38	27,42/13
11376	56	21/13*
11377	10	12/13*
11378	38	27/13*
11382	42	3/13*
11383	53	1/13
11384	37	3/13*
11389	34	26,49/13
11390	25	40/13
11391	25	12/13*
11393	22	8*,26,49/13
11400	36	37,46/13
11401	31	10/13*
11402	22	31/13*
11404	24	4/13*
11407	19	7/13*
11409	30	43/13*
11411	19	31*,32/13
11412	46	36/13*
11415	10	34/13*
11416	12	34*,43,44/13
11420	30	21*,35,36,37,46/13
11423	9	N51/13*
11424	20	17,46/13
11425	39	31*,32,46/13
11426	38	1,43/13
11427	35	1,43/13
11428	36	35/13*
11429	23	36/13
11430	27	36/13
11434	29	38/13*
11435	15	N51/13*
11438	14	11/13*
11439	27	25*,36/13
11441	42	22*,27,29,35,36,50/13
11442	36	6*,16,35,36,50/13
11445	31	16/13
11446	33	18*,27,29,35,36,50/13
11447	38	39/13*
11449	17	1/13
11450	11	5,30/13
11451	35	1,5,8,11,16,30/13
11452	22	16/13
11453	17	16/13
11460	43	5,8,15,30/13
11461	5	5,14,30/13
11462	27	18*,30/13
11463	19	10*,30/13
11464	17	1,5/13
11465	39	8,11,16,30/13
11466	39	6,15,16,29/13
11467	43	5,15,16,17,44,46/13
11468	43	5,16/13
11469	9	15/13
11470	39	5,15,44,46/13
11471	1	N5,N15/13
11472	35	6,15,29,40,44/13
11473	1	N15,N17/13
11474	11	8/13
11475	19	29,37/13
11476	22	1,40/13
11477	6	N8,N28,N29,N47/13
11478	23	20*,27,29,46,47/13
11479	6	N43/13*
11480	41	8,11,26,32,36,44/13
11481	8	28*,46,47/13
11482	1	N5/13
11484	24	1/13
11485	36	1,11/13
11488	28	1,11,36/13
11489	39	1,6,8,17,26,29,32,35,36, 44,47,50/13
11490	20	26,29,32,51/13
11491	38	26,32,51/13
11492	21	17/13
11493	10	N8,N16,N49,N50/13
11494	9	N6,N8,N16,N35,N49/13
11496	11	N45/13*
11502	33	44,47/13
11503	45	25*,35,49,50/13
11504	18	17,44,47/13
11505	4	6,11,16,26,27,32,35,36, 51/13
11506	45	6,11,16,27,29,35,51/13
11507	34	17,26/13
11509	32	8,26,32,36/13
11510	20	26/13
11512	63	28*,32,35,36,51/13
11513	26	16,36/13
11514	30	6,11,16,27,35,51/13
11516	31	17,35,49/13
11518	38	16,17,51/13
11520	44	6/13
11521	30	6,22,35,43,46/13
11522	21	43/13
11523	25	6,17,22,35,46/13
11524	53	6,8,11,16,17,22,27,35,37, 49,51/13
11525	8	N35*,N47/13
11527	18	8,16,25/13
11532	22	3*,6,8,27,35,36,49/13
11534	38	51/13*
11536	19	11,51/13
11537	39	24*,28,40,42/13
11541	40	19*,32,47/13
11542	18	34/13*
11543	24	3*,32,47/13
11544	40	6/13
11545	65	27*,42,47/13
11547	38	12,21,24,28,32,42,47/13
11550	30	3/13*
12200	50	1,7,8,11,17,23,24,31,34, 40/13
12201	27	N39*,N40/13
12204	38	10*,17/13
12205	33	17,31,41,44,47/13
12206	34	16*,22/13
12207	23	17*,31,41,44/13
12208	16	39*,47/13
12210	39	39/13*
12211	45	27*,34/13
12214	49	8/13
12221	81	7,17,20,27,44,46,47/13
12222	54	25*,27,30,44,45,47/13
12224	25	20,27/13
12225	60	4,7,8,20/13
12226	18	7,20/13
12228	33	4/13
12230	66	25*,39,46/13
12231	29	4,39/13
12233	37	4,11,27,44,46/13
12235	33	8/13
12237	27	8/13
12238	40	7,17,27/13
12241	22	7,17,27,32/13
12243	14	32/13
12245	68	34/13*
12248	43	12*,44/13
12251	24	38/13*
12252	25	13*,34,43,44/13
12253	47	22/13
12254	49	27,30,45,47/13
12255	17	30,45/13
12256	17	27,30,45/13
12261	30	10*,27/13
12263	56	4,25,27,46/13
12264	31	13*,27/13
12266	30	4/13
12270	35	25,46/13
12272	32	34/13*
12273	58	4,9,12,27,43,46/13
12274	36	27,43/13
12277	35	14,27,43/13
12278	78	3*,12,14,27,32,46/13
12280	10	4,7,9,11,12,20,27,39,44, 46,47/13
12281	54	4,14,32,42,44,46/13
12282	36	46/13
12285	41	19*,26,39/13
12286	31	4,10,26/13
12287	18	4,10,26/13
12288	20	26/13
12300	49	3,8,11,12,14,21,23,24,25, 30,40/13
12301	23	N47/13*
12304	46	8,26,42/13
12311	46	8,9,14,25,34,42,43/13
12312	56	7,8,9,13,25,41,43/13
12313	53	7,9,13,42,43/13
12314	33	13,18,42/13
12316	35	39/13
12318	45	12,14,23,24,25,39,40/13
12323	26	10*,12,14,23,34,40,42/13
12324	35	9,12,23,34,42,49/13
12326	52	34*,35,49/13
12327	105	4,13,18,25,27,28,29,32, 35,39,41,48,49/13
12331	32	4,28,39,49/13
12332	24	36*,49/13
12333	37	11*,13,19,28,32,49/13
12334	71	3,25,27,28,32,41,49/13
12335	45	3,27,29,32/13
12337	24	22*,32/13
12338	11	27*,29/13
12339	47	20/13*
12341	28	32/13
12342	24	27/13*
12343	20	21*,22,27,36/13
12346	12	43/13*
12350	60	35/13
12353	19	8/13
12354	44	1,11,13,17,18,25,35, 45/13
12358	21	25,35/13
12362	17	1/13
12363	41	13,18/13
12364	39	1,4,13,18/13
12365	27	18/13
12367	25	18/13*
12368	28	32/13*
12369	26	13/13
12371	25	16,18/13
12372	36	44*,45/13
12373	15	1,11/13
12374	14	11/13
12375	22	45/13
12401	11	18,48,49/13

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 1/13 THROUGH NM 51/13

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.
12402	12	48,49/13
13003	51	3,8,11,14,16,17,23,24,25, 34,40,45/13
13006	36	3,8,11,14,16,20,32,45/13
13009	35	8,11,16,20,32,36,45/13
13200	38	11,45/13
13201	12	N44*,N45/13
13203	14	27/13*
13205	39	3,18,21,25,30,36/13
13209	26	3,21,25/13
13212	39	18/13
13213	43	38/13*
13214	29	21,36/13
13215	20	3,30,36/13
13217	17	43/13*
13218	42	39/13*
13219	13	30/13
13221	59	1,16,17,19,32,37,40, 49/13
13223	43	37*,39/13
13224	40	25*,33,49/13
13225	34	18,19,33/13
13226	8	48/13*
13227	15	9/13
13229	32	36/13*
13230	50	4,43/13
13233	19	11,43/13
13235	7	4,43/13
13237	42	27/13*
13238	16	43/13
13241	17	27,43/13
13242	18	25,27/13
13244	41	43/13
13260	41	8,16,20,32,45/13
13263	9	N39*,N45/13
13267	36	48/13*
13270	64	35,40,41/13
13272	52	10,25,28,35,40,49/13
13274	28	11,16,17,35,41,48/13
13275	31	4,11/13
13276	23	4,11/13
13278	28	43*,48/13
13279	33	17,35/13
13282	12	17/13
13283	22	25/13*
13285	12	19/13*
13286	31	16,20,32/13
13287	13	37/13*
13288	43	8,36/13
13292	40	9/13
13295	12	27/13*
13296	26	35/13
13298	11	36/13*
13301	21	8,36/13
13302	23	8,25,35/13
13305	29	20,35/13
13309	29	14,25/13
13312	23	33/13*
13313	21	19/13*
13318	19	13/13*
13324	15	21/13*
13325	16	39/13*
13394	5	44/13*
13396	6	6*,17/13
13398	4	7/13*
14003	6	1,23/13
14500	27	20/13
14786	14	31,42/13
14800	10	1,31,45/13
14802	31	37/13
14803	27	31/13
14804	24	1,31/13
14806	24	45/13
14810	5	45/13
14813	21	31,42/13
14814	25	1/13
14815	23	31/13
14816	24	45/13
14820	21	1,2,33,37/13
14822	32	15,33,42,43,45/13
14823	31	9/13*
14830	32	1,2,35,37/13
14832	35	20*,40,42,43/13
14833	27	9*,15,33,40,42,43/13
14835	33	1/13*
14838	4	33,42,43/13
14839	37	2/13
14842	15	1,2,35/13
14844	32	35/13
14845	27	35/13
14846	14	1,2,35/13
14847	31	2,35/13
14848	58	37,50/13
14850	54	35/13
14852	46	35/13
14853	17	20,35,45,50/13
14854	14	20,45/13
14860	36	29,33,42,47,51/13
14862	28	12,51/13
14863	31	5,48/13
14864	27	29,33,35,42,47/13
14867	27	16*,45,47,48,50/13
14869	26	29,33,35,42,47/13
14880	32	33,35/13
14881	33	31,35/13
14883	43	30,50/13
14886	11	35/13
14901	15	4,20,29,34,40/13
14902	29	2,14,31,34/13
14904	27	9*,29,34,37,40,43/13
14905	31	34,37,45/13
14906	24	20/13
14907	27	20,34/13
14909	20	2/13
14912	17	14,31,34/13
14913	19	34/13
14916	10	20/13
14918	27	20,51/13
14919	28	35,45/13
14922	20	20,45/13
14924	29	9*,37,43,46/13
14925	23	2/13
14926	12	12,34,37,45,46,47/13
14927	25	37,47/13
14928	23	12,47/13
14929	25	12,46/13
14930	26	6*,14,47/13
14932	23	46/13
14933	25	48/13*
14934	29	25,30/13
14937	25	48/13*
14938	24	12,34/13
14942	26	48/13
14961	12	31,33,43/13
14962	20	43/13
14963	20	43/13
14964	21	33,35/13
14965	22	50/13
14966	27	31,40/13
14970	26	31,47/13
14972	26	12,33/13
14975	35	1,40,44/13
15880		N33/13
15881		N33/13
16003	17	21/13
16005	10	5,21/13
16006	35	21,30,33,37,51/13
16011	38	30,33,37,43,51/13
16013	30	34/13
16016	22	28/13
16190	1	27/13*
16200	14	5,21/13
16220	6	28/13*
16304	3	25/13*
16322	8	7,26/13
16338	4	33/13
16380	15	31/13
16382	11	31/13
16474	8	22/13
16500	10	43/13
16520	23	30/13
16528	18	51/13
16529	16	41/13
16530	7	41/13
16531	7	20,51/13
16532	6	20/13
16535	12	30/13
16540	13	37,51/13
16593	11	8/13
16594	13	3,8/13
16595	16	3*,8,40/13
16596	13	3*,8,40/13
16640	25	34/13
16645	20	34/13
16647	4	34/13
16660	31	12/13
16661	6	34/13
16663	9	12/13
16665	10	12/13
16700	32	3,29,34/13
16705	20	3,34/13
16707	13	29/13
16708	28	29,34/13
16709	25	34/13
16713	4	34/13
17003	4	4,36/13
17005	10	4,27,36/13
17300	32	3*,6/13
17312	3	1/13*
17315	25	18/13*
17318	8	7/13*
17320	18	26/13
17324	15	26/13
17326	17	26/13
17327	24	26/13
17331	9	23/13*
17333	10	23/13*
17335	9	23/13*
17336	10	16/13*
17360	36	20/13*
17385	18	4/13
17400	18	48/13*
17415	1	N4/13
17417	1	N4/13
17420	29	19/13*
17423	14	4/13
17448	1	N4/13
17514	1	N2,N27,N36/13
18000	8	3,7,14,16,17,35,43,48/13
18002	8	N12*,N14,N16,N17, N20,N26,N35,N39,N41, N43,N48,N49,N50/13
18003	20	2,20,24,27,31,36,42, 45/13
18005	6	N12*,N17,N32,N34, N38,N40,N48,N50/13
18006	5	N13*,N48/13
18007	33	2,20,27,28,31,34,36,40, 42,45/13
18008	8	N2,N20,N28,N31,N34, N36,N42,N45/13
18009	4	N12*,N33,N34,N40, N50/13
18010	22	12,18,27,28,31,33,34,40, 42,50/13
18013	2	N14/13
18020	39	3,7,11,12,14,16,17,20,28, 32,34,35,38,39,40,41,48, 49,50/13
18022	36	3,7,11,12,14,16,17,20,26, 27,32,33,34,35,38,39,40, 41,43,48,49,50/13
18400	49	2,6,24,27,33/13
18421	51	27*,33,40,41,47/13
18423	38	2,20,24,26,27,30,32,33, 40,41,42,47/13
18424	28	2/13
18427	24	27*,33,47/13
18428	10	26,42/13
18429	10	24,33/13
18430	9	2/13
18433	6	40/13
18434	7	40,41/13
18440	30	2,20,27,30,32,38,40,42, 45,47,49/13
18441	47	20,27,30,32,38,42,46/13
18444	17	46/13
18445	34	2,24,25,30,38,40,42,45, 46,47,49/13
18446	18	27,38/13
18448	35	2,38,40,45,47,49/13
18449	19	20,24,25,30,40,46,47/13
18450	19	7*,20,24,30,40/13
18453	27	20/13*
18454	5	N2,N38/13
18456	21	31/13
18460	14	13*,27/13
18461	1	N40/13
18464	25	27/13
18465	39	24,27,32/13
18468	19	27/13
18471	11	27,32/13
18473	8	42/13
18474	9	2,24,25,30,40,45,46, 47/13
18477	5	42/13
18480	32	12*,27,47/13
18484	12	2/13
18485	17	12*,27,30/13
18500	30	2,20,24,32,33,42/13
18502	87	6,24,32,33,35,40/13
18520	27	10,19,20,24,42,45/13
18521	74	4,6,20,31,32,35,36,40,42, 46,47/13
18523	57	4,26,31,35,42,46,47/13
18524	37	4,31,38,41,42,46,49/13
18525	37	2,4,18,20,31,38,40,46,47, 49/13
18526	60	2,4,18,31,38,40,46,49/13
18527	23	49/13
18528	11	26/13
18531	23	4,18,19,20,31,45,46/13
18532	21	18,47/13
18539	9	19/13
18542	10	41/13
18543	2	41,46/13
18558	39	6,24,39/13
18561	13	10/13
18580	22	19,31,45/13
18581	19	6,32/13
18583	40	4,39,41/13
18584	48	6,8,10,19,32,35,45/13
18587	71	6,10,24,26,31,38,42/13
18588	37	11,26,33/13
18600	15	11,18,34/13
18602	13	41/13
18603	17	34/13
18605	13	18,19/13
18620	24	18,20,28,42/13
18622	55	26,27,42,43/13
18623	12	28/13
18640	26	32*,33,40/13
18645	28	33*,40/13
18647	16	26/13
18649	68	35*,39,40,42,45,46,48/13
18650	56	5,9,11,12,16,21,31,33,35, 39,40,42,46,48/13
18652	36	4,5,9,11,12,16,17,21,27, 28,31,33,35,39,40,42,43, 45,46,48,49/13
18653	12	7*,18,21,27,35,39,45/13
18654	45	4/13
18655	59	4/13
18656	56	21,28,35,49/13
18657	19	28,35,49/13
18658	31	21,35/13
18659	16	35/13
18660	3	28,43/13
18661	30	11,28,43/13
18662	22	16/13
18663	6	11/13
18666	1	21,35/13
18680	32	33*,34,43,50/13
18685	34	33,43,50/13
18700	22	17,22,32,38/13
18703	26	21*,27,32,38,45/13
18704	13	38,45/13
18720	34	38*,39,50/13
18721	12	7,14,17,22,30,31,40/13
18724	3	36*,39,43/13
18725	30	32*,39/13
18728	9	26/13
18729	13	26,50/13
18730	2	N3/13
18740	44	39*,40,41,42,43,45,49, 50/13
18741	20	N13*,N16,N23,N27, N28,N41,N43/13
18746	39	37*,40,41,42,43,49/13
18749	43	8,12,19,20,28,31,32,40, 42,50/13
18751	46	12,19,20,28,40,50/13
18754	19	11,43,49/13
18755	10	27/13
18757	11	28/13
18758	7	9/13

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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.
18760	8	N12*,N14,N16,N20, N26,N27,N28,N33,N35, N39,N41,N43,N49, N50/13
18761	3	N12/13
18762	16	11,12/13
18763	11	11,12/13
18765	17	6,11,12,16,23,28,43/13
18766	7	6,11,16,23,28,43/13
18768	6	N12*,N16,N23,N28, N43/13
18769	4	N13*,N27/13
18772	48	8,11,23,38,43/13
18773	43	5,9,11,23,38,43,49/13
18774	12	3,9,28,41/13
18775	3	N12/13
19002	11	N9,N14,N30,N37,N44, N49/13
19004	39	9,14,30,37,44,49/13
19007	18	9,14,37,44/13
19008	5	9,14,37,44/13
19010	20	9,14,30,49/13
19013	19	9,14,30,37,44,49/13
19320	17	14,41/13
19324	22	41/13
19327	11	8,41/13
19330	11	15,41/13
19339	2	N9,N14,N17,N19,N30, N40,N49/13
19340	27	9,14,17,19,30,40,49/13
19342	11	14/13
19347	18	14/13
19357	25	22*,25,27,32,40/13
19359	12	1,5/13
19362	14	27,32/13
19366	37	19/13
19367	40	3*,19,25,35,45/13
19369	7	3*,19,25,45/13
19379	2	N44/13
19380	15	44/13
19381	9	44/13
19386	12	20/13*
19387	10	N44/13
21014	72	4,7/13
21017	50	4,7/13
21021	4	N6/13*
21033	46	8,9,11,17,19,42,51/13
21036	7	9,42/13
21120	27	7/13
21122	5	7/13
21140	1	12,16,23,43/13
21160	1	11/13
21180	1	11/13
21441	28	N4/13
21483	2	14/13
21540	37	38/13*
21601	4	13/13
21604	26	12/13
21605	7	13/13
22000	16	6/13
22004	38	4,5,6,7,8,15/13
22008	35	4,5,6,10/13
22012	31	5,9/13
22036	28	3,4,17,43/13
22040	1	6,17,42/13
22050	4	9,11,15,16,51/13
22051	19	1,11,12,19/13
22052	7	1,4,7,12,13,14,19,20,21, 24,36,37,47/13
22054	1	7,11/13
22055	1	1,4,7,11,12,13,14,19,20, 21,24,36,47/13
22080	3	7,8,11/13
22081	1	11,13,42,51/13
22082	5	11,42/13
22083	6	11,13,42/13
22084	4	6/13
22087	2	8/13
22090	2	4,7,8,15,30/13
22100	3	7/13
22102	20	N11*,N51/13
22103	3	N8/13*
22109	3	7,8,14/13
22111	4	7/13
22112	3	4,5,6,7,11,30/13
22113	8	5,6,7,34,35/13
22115	4	11/13
22117	3	7/13
22120	3	3,4,5,6,9/13
22121	9	4,9,31/13
22124	2	3,4,9,31/13
22130	2	4,6,33/13
22138	3	4,6/13
22140	2	6,10/13
22143	4	6/13
22160	2	6/13
22170	3	5,6/13
22172	9	N10/13*
22173	37	N7/13*
22180	2	9/13
22182	7	4/13
22183	4	9/13
22190	2	9/13
22221	20	14/13
22250	2	5/13
22259	5	25/13
22262	3	14/13
22281	10	26/13
22282	17	26/13
22285	1	26/13
22290	4	18/13
22305	2	3,18/13
22311	19	5,26/13
22312	3	N3,N30/13
22313	3	N44/13*
22314	1	3/13
22342	9	9/13
22346	1	3/13
22347	6	N9/13
22397	1	N4/13*
22398	1	N4/13*
22404	16	N9/13
22405	7	N9/13
22410	32	9,17/13
22420	2	17/13
22425	2	9,17/13
22430	6	22/13
22433	5	N51/13*
22471	31	4,27/13
22481	35	5/13
22492	3	3/13
22521	4	N6/13
22523	4	N6/13
22524	2	27/13
22526	3	27/13
22551	2	6/13
23000	5	3,4,17,43/13
23010	4	3,17,45,46/13
23020	4	4,5/13
23023	4	8,17,22/13
23030	6	8,21,24/13
23071	4	N3,N19/13
23101	5	8/13
23115	3	4,5,22,40/13
23121	7	5,9,25/13
23122	8	9,25,30/13
23123	4	N4/13*
23124	4	N5,N9,N48/13
23125	5	N8/13*
23126	6	N5,N9,N25/13
23127	4	N5,N9,N25/13
23128	4	N9,N25/13
23129	3	N30/13*
23131	7	4,12,48/13
23141	8	N5*,N48/13
23142	10	3,5,19,22/13
23145	4	N12*,N48/13
24000	39	8/13
24008	42	7/13
24016	53	8/13
24028	6	18,27/13
24050	12	N7*,N20,N26,N27,N47, N48/13
24051	1	20,24/13
24052	17	N5,N10,N11,N15,N16, N27,N40,N45/13
24053	17	N9,N11,N16/13
24055	7	N12*,N26,N27,N40, N45,N47/13
24057	6	N6,N8,N20,N26/13
24058	3	N14,N15,N26,N32,N43, N44/13
24060	2	8,20,24/13
24092	15	N16/13
24130	14	7/13
24131	8	7/13
24132	13	31/13
24141	4	7/13
24149	2	31/13
24154	13	N35/13*
24155	7	N11/13*
24156	3	13/13
24160	21	8/13
24162	10	N19/13
24170	14	7/13
24171	20	N8,N13,N31/13
24172	5	N8,N11,N13/13
24201	5	11,35/13
24203	36	11,35/13
24220	14	8/13
24222	3	11/13
24223	33	8/13
24240	6	N42/13*
24250	6	N42/13*
24251	24	N12/13*
24271	15	N6/13
24290	3	7/13
24292	4	7/13
24293	6	7,8/13
24294	23	7/13
24311	4	7/13
24350	2	13/13
24355	2	13/13
24360	1	13/13
24375	2	24/13
24376	1	34/13
24380	2	13,29,42,51/13
24388	2	13,21,42/13
24404	9	7,27,32,41,44,48,49/13
24405	12	N7,N32,N49/13
24406	32	N7,N32,N49/13
24423	2	42/13
24430	5	42,44/13
24434	4	28,44/13
24435	5	28,44/13
24444	2	39,47/13
24450	3	2,8,37/13
24453	5	8/13
24454	5	8/13
24455	15	8/13
24460	4	2,18,37/13
24461	4	2,7,37/13
24462	5	43/13
24463	7	N11/13*
24465	6	43/13
24468	1	13,15/13
24469	1	13,15/13
24470	4	3,30,37/13
24471	9	30/13
24480	1	3,7,17,18,24,25,27,36, 42/13
24481	7	48/13
24482	2	39/13
24484	3	39/13
24485	1	14,30/13
24486	1	18,25,27,47/13
24490	3	30,36/13
24491	3	8,14,27,30/13
24500	1	2,8,33/13
24501	3	8,17/13
24502	6	2,8,33/13
24504	7	3,17,18,24,25,43/13
24507	1	3,4,8,10,17,20,24,25,43, 47/13
24508	4	2,4,5,10,20,25/13
24509	3	4,8,10,43,47/13
24510	3	2,3,4,5,8,10,20,25,43, 47/13
24511	2	18,24,43/13
24512	3	7,18/13
24513	18	7/13
24514	1	7/13
24517	2	18,25,27,47/13
24521	3	27,34/13
25001	7	44/13
25017	6	N17,N34,N46,N47,N48, N49/13
25018	9	17,34,46,48,49/13
25400	2	18,27/13
25485	45	20/13
25524	43	14/13
25550	2	1/13
25561	24	19/13
25563	50	14,19/13
25564	7	17,19/13
25575	4	40/13
25600	47	17,34,37/13
25601	34	1/13
25607	4	1/13
25608	22	1,36/13
25609	5	17/13
25613	3	27,34/13
25640	45	13*,17,37,43,46,48,49/13
25641	28	11,17,37/13
25645	20	6*,36/13
25647	11	17/13
25650	36	11,17,43,47,48,49/13
25653	13	16/13
25654	13	16/13
25655	12	16/13
25661	12	43/13
25663	28	17,49/13
25664	17	17/13
25666	18	17/13
25668	21	6*,13,29,43,46/13
25669	1	46,51/13
25670	44	44,46,51/13
25671	19	37,43,46,48/13
25673	16	11,43/13
25677	22	38*,46/13
25679	10	43/13
25681	18	11/13
25683	20	3*,17,43/13
25687	12	43/13
25700	3	37,46,48/13
25720	3	43/13
25724	3	43/13
25800	3	39/13
25841	9	39/13
25849	13	39/13
26001	4	7,15,36,42,43/13
26060	1	13,16,36,41,42/13
26065	4	16/13
26066	12	1,37,41/13
26070	2	41/13
26080	1	N46/13
26081	9	N32,N48/13
26082	1	N17,N48/13
26100	4	1,23/13
26130	20	1,15/13
26142	10	12,42,43/13
26143	10	43/13
26146	1	29,42,51/13
26181	21	49/13
26184	5	49/13
26190	2	1/13
26210	3	39/13
26218	3	N51/13*
26224	32	23/13
26229	12	N34/13*
26230	13	N11/13
26237	3	5/13
26240	7	1/13
26244	3	1,33/13
26245	16	1,3,15/13
26247	19	33/13
26250	18	3/13
26259	2	3,5/13
26260	5	42/13
26295	1	31/13
26320	5	5,15,30/13
26323	4	4/13
27005	4	43/13
27040	5	23/13
27042	21	15/13
27044	27	6/13
27061	5	14/13
27062	41	15/13
27080	4	14/13
27082	6	15,31/13
27083	39	31/13
27084	4	21/13
27100	2	20,21/13
27102	11	35/13
27120	4	20/13
27122	5	20,31/13
27130	2	20/13
27141	5	16/13

CHARTS AFFECTED BY NOTICE TO MARINERS
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Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
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Chart No.	Ed. No.	Notice to Mariners No.
27142	5	16,32/13
27146	2	16/13
27160	2	48/13
27161	4	15,17,48/13
27180	2	15,34/13
27183	8	17/13
27206	18	10/13
27207	12	10/13
27211	22	15,34/13
28004	1	13/13
28006	1	15,32/13
28050	3	7,13,15/13
28082	19	47/13
28110	2	47/13
28120	1	10/13
28130	1	43/13
28140	1	43/13
28142	5	14/13
28150	3	14/13
28151	2	14/13
28170	1	28/13
28260	31	N31/13*
28320	6	4/13
28321	36	4/13
29002	9	22/13
29012	8	8/13
29101	6	9,40/13
29105	5	9,22/13
29106	5	8/13
29107	2	5/13
29141	3	8/13
29142	3	8/13
29281	1	8/13
29321	5	8/13
29322	3	8/13
35000	26	21,33/13
35002	1	N33/13
35006	2	N8/13*
35013	1	N35/13*
35015	3	N9/13
35019	2	N9/13
35020	1	N9,N21,N32/13
35024	2	N9,N21,N32/13
35045	2	N8/13*
35048	2	N11/13*
35050	2	N9/13*
35055	3	N34/13*
35056	2	N35/13*
35063	2	N11/13*
35066	2	N11/13*
35071	4	N25/13*
35072	3	N25/13*
35073	3	N10/13*
35075	3	N8/13*
35078	4	N27/13*
35079	5	N25/13*
35089	3	N25/13*
35090	2	N18/13*
35095	3	N17/13*
35097	3	N35/13*
35104	3	N8/13*
35121	1	N9/13
35126	2	N8/13*
35128	1	N9/13
35139	1	N9,N32/13
35140	1	N9,N21,N32/13
35147	2	N10/13*
35148		N21/13
35151	1	N21/13
35172	4	N17/13*
36000	1	N21/13
36001		N21,N32/13
36002		N21/13
36009	2	N9/13*
36011	3	N11/13*
36025	4	N24/13*
36032	1	N37/13*
36033	2	N34/13*
36034	3	N35/13*
36035	2	N10/13*
36036	3	N37/13*
36042	2	N40/13*
36049	2	N9/13*
37000	23	41/13
37005	18	N7*,N8,N31,N33, N41/13
37006	3	N34/13*
37007	2	N25*,N27/13
37008	4	N22/13*
37010	24	4,8,33,41/13
37015	2	N27/13
37016	3	N34/13*
37017	2	N25/13*
37019	3	N31/13*
37020	3	N27/13*
37021	3	N18/13*
37027	3	N8/13*
37028	4	N40/13*
37040	3	N10/13*
37055	1	N40/13*
37058	2	N33/13
37066	9	N37/13*
37111	2	N51/13*
37120	3	6,8,23,33,36,37,41,43/13
37129	7	N6,N21,N36,N41, N43/13
37140	34	23/13
37162	14	N51/13*
37163	21	N21,N41/13
37164	6	N44/13*
37165	4	N26*,N31,N33,N41, N43,N44,N48/13
37166	3	4,5,9,23/13
37200	16	8/13
37205	3	5,10,49/13
37221	14	5,6,8,9,10,11,12,13,44, 45,46,48,49,51/13
37222	14	N6,N8,N10,N11,N12, N21,N22,N45,N46, N49/13
37223	15	1,9,11,31,49/13
37224	12	N9*,N10,N22/13
37226	19	N25*,N44,N46/13
37228	15	N16*,N45/13
37229	16	N18/13*
37230	15	N16/13*
37231	19	N5,N8,N10,N11,N12, N13,N43,N44,N45, N49/13
37232	13	N8,N12,N44,N45,N50, N51/13
37234	14	N10,N13,N46,N49/13
37235	11	5,10,51/13
37238	7	N21,N22/13
37241	21	N45/13*
37242	12	N4/13
37244	13	N51/13*
37246	16	N6,N10,N21,N23,N27, N29,N30,N34,N49/13
37247	1	N1,N6,N13,N22,N29, N34,N44/13
37248	20	N9,N23,N33,N37,N43, N44,N49/13
37320	17	N36/13*
37342	4	N43/13*
37344	12	N42/13*
37380	3	N45/13*
37400	11	N43/13*
37445	2	N1/13*
37463	8	N15/13*
37464	3	N15/13*
38482	1	N1/13*
38541	5	N6/13*
38603	3	N39/13*
38604	2	N9,N13/13
38607	2	3,13/13
38610	1	13/13
38682	3	9/13
38683	3	9/13
38690	2	13/13
41000	2	24/13
42040	4	N36/13*
42620	5	38/13
42740	5	43/13
42742	3	23/13
42760	5	43/13
42762	4	N43/13
43000	5	34/13*
43030	25	N15/13*
43125	7	45/13
43127	5	35/13
43140	4	35/13
43141	6	N25/13*
43142	4	35/13
43148	5	N9/13*
43149	1	N45/13*
43168	3	N22/13*
43242	4	4/13
43263	7	31/13
43281	6	1/13
43285	5	1/13
43300	5	34/13
43320	5	33/13
43321	7	N36/13
43323	4	1,33/13
43324	4	1/13
43341	7	34/13
43360	22	N24/13*
43370	7	4,31/13
43371	13	4/13
43372	5	N5/13
43375	7	5/13
43379	2	N30/13*
43384	1	1,2/13
43385	1	2/13
43386	2	31/13
44015	9	5,11,33,35,42/13
44036	5	2/13
44041	8	N2/13
44048	13	N18*,N28/13
44049	11	N36/13*
44066	11	N8,N10/13
44067	23	43,44,50/13
44072	4	8/13
44073	2	10,45/13
44075	5	N12,N45/13
44076	4	N1,N8,N12,N43/13
44082	11	8,10,11,13,45,50/13
44083	8	10,11,13,41,45/13
44085	2	10,11,12,45,49/13
44087	1	N43,N50/13
44100	8	43/13
44140	9	35/13
44161	2	1/13
44164	1	49/13
44179	2	2,5/13
44180	6	42/13
44200	10	N51/13*
44206	1	2/13
44207	1	2/13
44282	1	26/13
44284	3	N25/13*
44289	1	N26/13*
44319	3	7,40,47/13
44320	4	7,38,39,42,47/13
44327	1	N27/13*
44340	12	36,38,39,40,42,47/13
44341	8	N1*,N42/13
44352	4	N8*,N39,N40,N42, N47/13
44353	1	N7,N39/13
44360	10	7,36,38,40,42/13
44361	7	N32,N37/13
44362	1	N32/13
44363	1	N7/13
44364	1	N35/13*
44365	2	N6*,N19,N24,N31/13
44366	1	43,51/13
44367	2	21,35/13
44400	5	7,20,33,38,39,40,42, 47/13
44401	9	N5,N10,N20,N43, N47/13
44410	5	33,39,42,47/13
44420	7	5,42,43/13
44430	3	5,11,20,35,42,43,48/13
44442	1	N5,N42,N43,N47/13
44443	1	N5,N6/13
44445	1	N47/13
44446	1	N11,N20,N35,N48/13
44461	10	35/13**
44462	5	N8,N11,N12,N13, N25/13
44463	10	N8,N9,N10/13
44465	3	N8/13
51100	7	11/13
51142	3	N41/13*
51143	5	N33/13
51144	4	N25,N33/13
51150	1	11/13
51155	2	N43/13*
51160	21	28/13
51168	2	28/13
51223	3	N1/13*
51261	23	25/13
51344	2	9/13
51580	13	28/13
52039	5	N25/13*
52047	12	N41/13*
52079	1	N38/13*
52080	14	44/13
52081	6	N4/13*
52084	3	N25/13*
52085	4	N39/13*
52092	2	N34/13*
52122	16	N21/13
52125	1	21/13
52126	1	N21/13
52140	7	N48/13*
52142	3	42,43,44/13
52160	7	27/13
52170	3	27,30/13
52172	2	30/13
52184	4	N30/13*
52186	4	N27/13*
52200	8	5/13
52220	7	30/13
52282	11	N30/13*
53065	3	N18/13*
53084	7	N36/13*
53093	4	N51/13*
53107	17	N18/13
53108	4	N4/13*
53111	4	5/13
53149	3	N5/13
53161	8	5/13
53162	7	5/13
53166	1	5/13
53203	12	N21/13*
53231	1	N4/13*
53263	1	5/13
53265	6	5/13
53266	4	5/13
53268	4	5/13
53269	5	5/13
53313	1	N11/13*
54081	5	N36/13*
54083	5	N7/13*
54085	3	N12/13*
54090	3	49/13
54151	1	6,48/13
54165	3	N37/13
54169	3	37/13
54222	4	10/13
54266	2	11,49/13
54267	1	11,49/13
54279	4	5,43,45/13
54280	11	5,6,43,45/13
54281	6	5,45/13
54285	1	5/13
54287	7	6/13
54289	8	2/13
54320	4	25/13
54324	9	5/13
54327	4	2/13
54333	3	2,4/13
54337	4	N2/13
54340	8	5/13
54343	10	5/13
54344	6	4,5/13
54359	2	6/13
54360	12	5/13
54361	10	6/13
54366	3	5/13
54367	3	5/13
54369	4	5/13
54380	7	N11/13*
54386	10	4/13
54389	8	2/13
54399	1	N12/13*
54400	8	4,5,6,48/13
54403	4	5,6/13
54404	4	5,6/13
54406	2	5/13
54407	4	1,44,48/13
54416	6	N12*,N44/13
54417	2	N6/13*
54418	4	48/13

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

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54423	5	43/13
54424	1	1/13
54430	1	5,27,44,46/13
54441	6	6,41,42,47/13
54462	5	29,35/13
54466	1	N43/13*
54480	9	N15*,N29,N35,N39, N40,N42,N47/13
54481	9	4,40,42,43/13
55001	4	8,23,30,46/13
55040	4	44/13
55041	7	48/13
55043	2	47/13
55046	5	N1,N3,N6,N49/13
55047	8	1,3/13
55048	12	3/13
55049	7	N24/13*
55061	1	48/13
55064	3	3/13
55082	9	9/13
55084	7	11,24,27/13
55085	9	11,23,24,26,47/13
55100	8	25,26,46/13
55101	5	23,27/13
55103	3	N9,N23,N25,N28/13
55104	2	9,26,28/13
55105	7	2,4,8,49/13
55110	2	46/13
55127	2	26,48/13
55128	3	N23,N28/13
55129	7	25,26/13
55130	2	8,23,25,26,30,44,47/13
55131	1	30,44/13
55133	4	N25,N27/13
55140	2	8,25/13
55150	2	2/13
55160	2	4,43/13
55161	2	N4/13
55170	2	4,8,24,25,27,31,49/13
55180	2	25,27/13
55190	2	27,30,49/13
55200	2	8,23,24,25,27,31/13
55205	1	8,23,25,27,30,47,48/13
56011	1	11/13
56031	1	5,7,44,47/13
56043	6	39/13
56060	9	44/13
56063	1	46/13
56064	6	36,45,46/13
56065	3	44/13
56081	21	N5/13*
56082	18	N5/13*
56083	4	N5/13*
56100	14	7,8/13
56101	7	8,34/13
56102	24	8/13
56103	8	N8/13
56104	3	7,42/13
57022	8	19/13
57029	9	11,14,15,16,19/13
57035	10	14,17,19/13
57063	6	N26/13*
57081	4	N1/13*
57320	4	19/13
57380	4	11,13,14,15,16/13
57381	13	N13/13
57400	5	11,14,16,19,26/13
57408	3	N14/13
57440	4	15,19/13
57460	5	14,17/13
57471	3	14,15,16/13
57480	9	11,14,15,16,17,36/13
57482	13	N15,N19,N26,N33/13
57483	12	N11,N19,N26,N33/13
57484	20	N15,N19/13
57488	7	N15/13
61000	20	16,17,36,37/13
61003	17	11/13
61015	8	21/13
61040	7	11,16,17,37/13
61050	5	16,17,19,36,49/13
61051	9	N16,N19,N26,N49/13
61060	7	N11,N14,N16,N17, N36/13
61061	11	N11,N14/13
61062	1	N14/13
61070	5	14/13
61071	10	N18/13
61080	4	14,36/13
61090	6	11,15/13
61091	7	N15,N36/13
61092	14	N26/13
61110	3	21/13
61111	13	29/13
61191	8	21,37,38/13
61200	7	21/13
61210	6	21/13
61211	8	N21/13
61212	3	N21/13
61250	4	44/13
61260	4	44/13
61450	2	43/13
61500	2	40/13
61592	5	N22,N35/13
62000	20	45/13
62001	5	9,10,13/13
62024	13	17,45/13
62028	15	18,48,49/13
62032	16	6,11,12,15,16,18,21,46, 47,48,49,51/13
62033	3	N6,N11,N12,N15,N16, N18,N21,N46,N47,N48, N49,N51/13
62090	7	16,21,45/13
62092	8	N18*,N21/13
62097	6	16/13
62100	7	14/13
62110	10	9,49/13
62120	6	44/13
62130	2	44/13
62144	4	N41/13*
62162	2	24/13
62177	4	N26/13*
62191	15	9,10,13/13
62193	18	N6*,N45/13
62194	8	9/13
62195	7	13,49/13
62230	3	47/13
62241	11	N7*,N45/13
62242	12	N26/13*
62270	5	44/13
62290	4	14,44/13
62310	2	45/13
62314	3	18/13
62320	2	17,45/13
62330	2	22/13
62333	1	N6*,N17,N27,N28,N38, N43/13
62334	1	N41*,N43/13
62340	3	22,43,46/13
62343	4	27,28/13
62350	3	27,44,46/13
62353	4	46/13
62355	7	17,23,24,27,28,30,44, 46/13
62360	5	11,18,27,28,44,47,48, 49/13
62361	2	N11,N18,N27,N28,N44, N47,N48,N49/13
62362	1	28,49/13
62364	1	23,25,27,44/13
62366	4	11,16,41,49/13
62388	3	N42/13
62392	8	18,48/13
62393	8	N35/13*
62394	11	N1/13*
62396	5	48/13
62400	17	6,10,47,48/13
62401	9	21/13
62402	10	46/13
62403	5	32/13
62405	8	21,44,47/13
62406	3	N21*,N47/13
62407	5	47/13
62408	7	6,10,15,16,21,47/13
62412	13	8,11,20,22,31,34/13
62413	13	8,11,15,34/13
62418	9	N1/13*
62419	6	12/13
62420	5	8,11,12,14/13
62431	8	21/13
62432	18	21/13
62434	12	N27/13*
62437	12	9,16/13
62440	8	6,10,15,21,46,47/13
62441	10	20/13
62442	7	N35/13*
62444	3	N12/13*
62446	4	N21/13
62447	3	N31/13*
62453	6	N8,N15,N34/13
62455	8	N5/13*
62458	1	14,22/13
62460	5	6,47,48/13
62462	3	N5/13*
62463	3	N6/13*
62464	4	N20/13
62480	2	6,8,11,12,15,16,18,21,42, 46,47,48,49,51/13
62490	2	8,11,12,20,21,42,46/13
62498	5	N6,N45,N47/13
62499	6	N20,N45/13
62510	3	6,10,11,18,47,48/13
62512	3	N6,N10,N11,N18,N47, N48/13
62520	6	6,10,15,16,21,46,47,48, 51/13
62521	4	N6,N10,N15,N16,N21, N46,N47,N48,N51/13
62530	6	6,8,11,12,14,21,22,42, 46/13
62531	4	N6,N8,N11,N12,N14, N21,N42,N46/13
62540	6	15,18,20,21,23,24/13
62541	3	N15,N18,N20,N21,N23, N24/13
62550	3	6,8,11,21,22,46,48,51/13
62552	1	46/13
62560	4	11,21/13
62570	4	11,17,23/13
62590	3	11,16,17,20/13
62591	4	N11,N17,N20/13
62592	1	11/13
63000	13	22,27,34,37,48/13
63005	18	22,27,28,34,37/13
63010	14	2,22,29,30,35,40,46/13
63015	11	2,28/13
63020	15	22,45/13
63050	3	21,48,49/13
63053	5	21,49/13
63055	3	11,21/13
63060	8	21,22,23,34,37,48,49/13
63062	8	2,27,34,37/13
63063	9	27/13
63065	6	28,37/13
63070	4	2,27,37/13
63080	6	22,34,35,37,45/13
63090	9	9,27,31,35,44,45/13
63091	4	22,27,28,34,37,45/13
63092	5	N24*,N37/13
63100	3	34/13
63101	17	N9,N22,N27,N31,N35, N44,N45/13
63102	21	N22,N27,N31/13
63103	19	N22,N31/13
63110	4	27/13
63112	1	N27/13
63113	1	N27/13
63120	2	28,44/13
63121	6	27,28/13
63150	1	22,27,28,29,34,35,37, 46/13
63200	5	28,34/13
63201	11	N28,N44/13
63205	3	N28,N34/13
63210	4	30,34/13
63220	5	40/13
63230	6	22,40/13
63231	9	N40/13
63233	16	40/13
63250	6	2,23/13
63252	2	N23/13
63260	6	2,22,27,44/13
63268	2	44/13
63270	7	23,28,34/13
63271	9	N23,N28/13
63290	8	N35/13
63291	9	37/13
63310	5	22,45/13
63320	8	37,47/13
63321	6	37,47/13
63330	9	28,42/13
63337	16	28/13
63383	6	N6*,N35/13
63390	2	23/13
63400	1	33/13
63410	6	33,42/13
63413	6	N27,N42/13
63417	3	N42/13
63420	2	28,33,42/13
71005	1	36,38,51/13
71006	5	37/13
71009	3	36/13
71012	4	N26/13*
71027	9	13,16,29,30,31,38,39,43, 44,45,46,51/13
71033	31	16/13
71040	5	22,37/13
71042	2	N22/13
71043	3	22/13
71044	2	22/13
71045	2	37/13
71052	1	N39/13
71058	3	N28,N32/13
71059	2	N28,N29,N32/13
71061	16	N29,N32,N42/13
71186	3	N34/13*
71243	6	4,6/13
71247	20	N26/13*
71248	3	N29/13
71251	13	N29/13
71252	3	N4/13
71253	12	N31/13*
71256	2	N4,N6,N29,N48/13
71262	7	29/13
71265	4	4,6,16,29,40,48/13
71271	12	N6/13
71273	5	N6/13
71275	4	29,38,40,51/13
71285	4	6/13
71295	3	51/13
71305	2	37,42,51/13
71311	4	39/13
71313	8	51/13
71314	5	51/13
71315	2	22,51/13
71320	2	N45/13*
71325	9	N7/13*
71326	1	N42/13
71330	13	42,43,49,51/13
71331	11	42,49/13
71340	12	N43*,N44,N51/13
71343	4	N13/13
71348	3	13,45/13
71349	3	N45/13*
71350	8	13,45/13
71401	2	N51/13
71402	1	51/13
71430	3	16/13
71440	2	16,29,40,46,48/13
71445	1	46/13
71450	1	46/13
72007	10	32/13
72035	8	32/13
72045	2	32/13
72142	6	29/13
72203	2	32/13
72204	2	N15/13*
73004	4	31/13
73014	10	8/13
73191	3	31/13
73341	8	8/13
73581	4	15/13
73590	6	15/13
73601	3	44/13
73653	1	11/13
74000	6	5,7,9,11/13
74004	2	15,28/13
74009	10	3,4,13/13
74012	10	3,50/13
74015	10	2/13
74023	1	N51/13
74044	2	N23/13*
74052	2	44/13
74150	3	N24/13*
74154	1	N5,N6,N8,N9,N11, N38/13

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 1/13 THROUGH NM 51/13

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.
74155	1	N11/13
74163	1	N8,N9,N11,N47/13
74164	1	N8,N9,N11/13
74171	4	9/13
74172	5	9/13
74180	1	N4,N51/13
74181	8	4,9/13
74182	12	4,48/13
74184	10	48/13
74199	1	N49/13
74200	8	47,49/13
74209	1	N47,N49/13
74212	2	N44/13
74216	1	N14/13
74220	8	49/13
74223	1	N47/13
74227	1	N50/13
74228	3	N49/13
74230	7	43/13
74237	3	N14/13
74240	8	15,43/13
74243	1	N43,N47/13
74244	1	N44/13
74246	1	N50/13
74247	2	N26/13*
74248	1	N44,N50/13
74249	1	N44,N50/13
74251	8	43/13
74258	1	N14,N51/13
74262	1	N14,N15/13
74263	1	N15/13
74265	2	14,15/13
74280	2	N26/13*
74281	7	49/13
74290	12	35/13
74292	8	35/13
74295	3	35/13
74300	1	N35/13
74302	1	N2,N3,N4,N43,N51/13
74311	3	N25*,N35,N49/13
74342	1	N2,N3,N4,N14,N44/13
74345	1	N51/13
74347	1	N49/13
74380	4	51/13
74389	1	N10,N11,N13/13
74390	1	N4,N13/13
74396	1	N13/13
74397	1	N2,N3,N4,N14,N44, N49,N51/13
74398	2	N2,N3,N4,N14,N49/13
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NM 1/13 THROUGH NM 51/13

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

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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 1					
11XHA11370 (7642014010233)	Mississippi River-New Orleans to Baton Rouge	Various	29	9/13	NOS	51/13
11XHA11374 (7642014010235)	Dauphin Island to Dog Keys Pass	40,000	37	10/13	NOS	51/13
11AOA11423 (7642014010175)	Havana to Tampa Bay (Fleet Operating Areas -Vicinity of Key West)	470,940	9	10/13	DS	51/13
11AOA11435 (7642014010170)	Sombrero Key to Dry Tortugas- Key West Fleet Operating Areas (North Central Part)	180,000	15	10/13	DS	51/13
11XHA11534 (7642014010277)	Myrtle Grove Sound and Cape Fear River to Casino Creek	40,000	38	9/13	NOS	51/13
	REGION 2					
22BHA22433 (7642014011831)	Beagle Channel (Canal Beagle) 55 05 00S 68 39 00W 54 46 00S 67 33 24W Plan: Paso Mackinlay 54 56 30S 67 37 33W 54 53 19S 67 21 45W	80,000 40,000	5	9/13	DS	51/13
26AOA26218 (7642014012116)	Guantanamo Bay Operating Areas	150,000	3	9/13	DS	51/13
	REGION 3					
37AHA37111 (7642014015231)	Port of Dieppe 49 54 51N 1 00 28E 49 58 19N 1 08 25E	12,500	2	9/13	DS	51/13
37ACO37162 (7642014012420)	Goeree to Texel	150,000	14	9/13	DS	51/13
37ACO37244 (7642014012426)	West Hinder to Den Haag	150,000	13	9/13	DS	51/13
	REGION 4					
44ACO44200 (7642014012842)	Arholma to Kuson including Aland (Ahvenanmaa) 59 39 00N 17 01 00E 61 11 00N 21 24 00E	225,000	10	9/13	DS	51/13
	REGION 5					
53BHA53093 (7642014013070)	Approaches to Monaco	7,500	4	9/13	DS	51/13
	REGION 9					
91BHA91060 (7642014013945)	San Miguel and Lamit Bays 13 40 00N 122 54 46E 14 34 54N 123 34 56E	100,000	2	8/13	DS	51/13
	MISCELLANEOUS CHARTS AND PUBLICATIONS					
DNCDXVDU (7644014946812)	Digital Nautical Chart (DNC) - VPF Database Update (VDU)		151	10/13	DS	51/13
CDPUBQTLY (7644015310779)	Pub. 157, Coasts of Korea and China (Enroute), 2013		16			51/13
CDPUBQTLY (7644015310779)	Pub. 193, Skagerrak and Kattegat (Enroute), 2013		14			51/13

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
CDPUBQTLY (7644015310779)	Pub. 150, World Port Index, 2014		23			51/13

Price Categories effective 1 October 2013

A	22.75	D	14.25	E	11.75	F	11.75	G	7.25	H	11.75

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
JCG Japan Coast Guard
* Not for sale or reproduction outside U.S.A.

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SAILING DIRECTIONS CORRECTIONS

PUB 157 16 Ed 2013 NEW EDITION
(NGA) 51/13

PUB 193 14 Ed 2013 NEW EDITION
(NGA) 51/13

COAST PILOT CORRECTIONS

COAST PILOT 3 46 Ed 2013 24 NOV 2013
LAST NM 47/13

Chapter 6—Paragraph 137; read:

(137) **Mispillion River**, protected at the entrance by jetties, empties from the westward into Delaware Bay 13 miles northwest of Cape Henlopen. The jetties, about 200 feet apart, extend about 1 mile southeastward from shore. The jetties are marked at the seaward ends by lights. The river is used by pleasure and fishing craft, and oil barges bound for **Milford.**
(NOS 12304) 51/13

Chapter 10—Paragraph 28; read:

(28) Twin fixed highway bridges, both with a clearance of 35 feet, cross the Nansemond River about 12.5 miles above its mouth.
(L 1756-2013) 51/13

Chapter 10—Paragraph 38; read:

(38) **Jones Creek**, on the south side of Pagan River 0.7 mile above the mouth is marked by a light and a daybeacon at the entrance. A fixed highway bridge 0.5 mile above the mouth has a clearance of 17 feet. An overhead power cable close southward of the bridge has a clearance of 32 feet. A marina and fish pier are at **Rescue**, just below the bridge; some supplies, fuel, and a 30-ton mobile hoist are available; repairs can be made. A 45-foot marine railway is 100 yards above the bridge. The fixed highway bridge, 2.5 miles above the mouth, has a width of 40 feet and a clearance of 7 feet.
(L 1853-2013) 51/13

Chapter 14—Paragraph 284; read:

(284) **Rock Hall Harbor,** north of the entrance to Chester River and 5 miles north-northeastward of Love Point Light, is the base for local fishing vessels and pleasure craft. The entrance channel leads north between converging breakwaters to two channels within the harbor. One channel leads to an anchorage basin at the west end of the harbor, thence eastward paralleling the waterfront at **Rock Hall** to a basin at the east end of the harbor. The Rock Hall waterfront is a 500-foot long bulkhead permitting overnight tie-up. No facilities are at the bulkhead. There is a boat ramp west of the bulkhead. The second channel leads northeast from inside the entrance and connects with the channel paralleling the waterfront. The approach to the harbor is marked by a buoy and lights and daybeacons mark the channels inside the harbor. A seasonal sound signal is at the light on the west side of the entrance.
(NOS 12272) 51/13

COAST PILOT 6 43 Ed 2013 01 DEC 2013
LAST NM 48/13

Chapter 11—Paragraph 705.01, table; replace with below:
New table titled **Structures across Manitowoc River** from back of this Subsection.
(L 2287-2013) 51/13

COAST PILOT 7 46 Ed 2014 24 NOV 2013
LAST NM 48/13

Chapter 10—Paragraph 115; read:

(115) The channel to the turning basin is marked by a **198°30'** lighted range; lights mark the channel entrance.
(DD 23819) 51/13

Chapter 14—Paragraph 166; read:

(166) Pilots are available through the Hawaii Pilots Association. Mariners are requested to give 24 hours advance notice of arrival, gross tonnage, length, and draft of vessel by telephone (808-537-4169) or by e-mail at dispatch@hawaiipilots.net. The 31-foot long pilot boat PAUKAA has a black hull with yellow superstructure and displays the words 'HAWAII PILOTS' in large white letters on the sides of the cabin. The pilot boat displays the International Code Flag 'H' by day and shows the standard pilot lights at night, white over red. The pilot boat monitors VHF-FM channels 12 and 16 and can be reached by "HILO PILOTS". Additionally, vessels are requested to rig a pilot ladder 1 meter above the water on the leeward side. The pilot boarding area is 1.2 miles N of the harbor entrance.
(L 1797-2013) 51/13

Chapter 14—Paragraph 305; read:

(305) The pilot boat, NININI, is yellow and 22 feet long with the word "PILOT" written in black letters on the hull. The boat displays the standard pilot lights at night and the International Code flag "H" by day. The pilot boarding area is 1.5 miles WNW of the harbor entrance. The pilots monitor and work VHF-FM channel 12. Mariners are requested to give at least 24 hours advance notice of arrival with gross tonnage, length, and draft of vessel; telephone (808–537–4169). Additionally, vessels are requested to rig the pilot ladder 2 feet above the water on the lee side and maintain a

COAST PILOT 7 (Continued)

speed of not more than 5 knots.
(L 1797-2013) 51/13

Chapter 14—Paragraph 460; read:
(460) Pilotage is compulsory for all foreign vessels and for U.S. vessels under register in the foreign trade; it is optional for U.S. vessels in the coastwise trade with a Federal licensed pilot on board. Pilotage is available through the Hawaii Pilots Association. Mariners are requested to give 24 hours advance notice of arrival, gross tonnage, length, and draft of vessel by telephone (808–537–4169) or by e-mail at dispatch@hawaiipilots. net. The 31-foot long pilot boat PAUWELA has a black hull with yellow superstructure and displays the word 'PILOT' in large white letters on the sides of the cabin. The pilot boat displays the International Code Flag 'H' by day and shows the standard pilot lights at night, white over red. The pilot boat monitors VHF-FM channels 12 and 16 and can be reached by "KAHULUI PILOTS". Additionally, vessels are requested to rig a pilot ladder 1 meter above the water on the leeward side. The pilot boarding area is 2.2 miles N of the harbor entrance. The rough weather boarding area for Kahului is at Lahaina, 1 mile SW of the sea buoy.
(L 1797-2013) 51/13

Chapter 14—Paragraph 717; read:
(717) Pilotage is compulsory for all foreign vessels and U.S. vessels under register in foreign trade; it is optional for U.S. vessels in coastwise trade with a Federal licensed pilot on board. Pilots are available through the Hawaii Pilots Association. Mariners are requested to give 24 hours advance notice of arrival, gross tonnage, length, and draft of vessel by telephone (808–537–4169) or by e-mail at dispatch@hawaiipilots.net. The 41-foot long pilot boat HONOLULU has a black hull with yellow superstructure and displays the words 'HAWAII PILOTS' in large white letters on the sides of the cabin. The pilot boat displays the International Code Flag 'H' by day and shows the standard pilot lights at night, white over red. The pilot boat monitors VHF-FM channels 12 and 16 and can be reached by "HONOLULU PILOTS" call sign, WXZ-456. Additionally, vessels are requested to rig a pilot ladder 1 meter above the water on the leeward side. The pilot boarding area is 1 mile S of the sea buoy. The pilot station is at pier 19 and monitors VHF-FM channels 12 and 16. When pilots are boarding incoming vessels from the pilot boat, the vessel should maintain a speed of about 5 knots. Foreign and U.S. vessels under registry in foreign trade, and U.S. vessels in coastwise trade without a licensed Federal pilot on board must acquire pilot service before entering the anchorages.
(L 1797-2013) 51/13

Chapter 14—Paragraph 780; read:
(780) A state licensed pilot is required to enter the harbor. Pilots are available through the Hawaii Pilots Association. Mariners are requested to give 24 hours advance notice of arrival, gross tonnage, length and draft of vessel by telephone (809–537–4169) or by e-mail at dispatch@hawaiipilots.net. The 31-foot long pilot boat IWA has a black hull with yellow superstructure and displays the word 'PILOTS' in large white letters on the sides of the cabin. The pilot boat displays the International Code Flag 'H' by day and shows the standard pilot lights at night, white over red. The pilot boat monitors VHF-FM channels 12 and 16 and can be reached by "BARBERS POINT PILOTS". Additionally, vessels are requested to rig a pilot ladder 1 meter above the water on the leeward side. The pilot boarding area is 2 miles SW of the entrance buoys.
(L 1797-2013) 51/13

Chapter 14—Paragraph 908; read:
(908) Pilots are available through the Hawaii Pilots Association. Mariners are requested to give 24 hours advance notice of arrival, gross tonnage, length, and draft of vessel by telephone (808–537–4169) or by e-mail at dispatch@hawaiipilots.net. The 31-foot long pilot boat NININI has a black hull with yellow superstructure and displays the word 'PILOTS' in large white letters on the sides of the cabin. The pilot boat displays the International Code Flag 'H' by day and shows the standard pilot lights at night, white over red. The pilot boat monitors VHF-FM channels 12 and 16 and can be reached by "NAWILIWILI PILOTS". Additionally, vessels are requested to rig a pilot ladder 1 meter above the water on the leeward side. The pilot boarding area is 1.5 miles ESE of Ninini Point Light. The boarding area is generally very rough, open sea conditions. Vessel masters are advised that boarding a pilot in these conditions may take some time. They should not allow their vessel to stand in towards shore W of Ninini Point until a local pilot is on the bridge.
(L 1797-2013) 51/13

Chapter 14—Paragraph 961; read:
(961) Pilotage is compulsory for all foreign vessels and U.S. vessels under register in the foreign trade; it is optional for coastwise vessels who have on board a pilot licensed by the Federal government. The pilot boat, IWA, is a yellow 35-foot catamaran with the word PILOT in black letters on the side of the cabin. The boat displays the International Code flag "H" by day and the white and red signal lights at night. The pilot boarding area is 1.5 miles WSW of the harbor entrance. The pilots monitor and use VHF-FM channel 12. Mariners are advised to give at least 24 hours advance notice of arrival with overall length, gross tonnage, and draft of vessel; telephone 808–537–4169. Vessels are requested to rig a ladder no more than one meter on the lee side and to maintain a "dead slow ahead" speed, between 5 and 10 knots.
(L 1797-2013) 51/13

COAST PILOT 8 35 Ed 2013 24 NOV 2013
LAST NM 47/13

Chapter 4—Paragraphs 294 to 295; read:

(294) **Ward Cove**, entered about 0.7 mile N of Peninsula Point, is on the N side of Tongass Narrows about 5 miles NW of Ketchikan. The cove is about 0.3 mile wide at the entrance, wider inside, and has steep shores. A long log boom extends from the NE end of an inoperative pulpmill to the ledge. **East Island** is a wooded islet off the NW side of the entrance. A midchannel course leads safely into the cove, and there are no known dangers other than those mentioned.

(295) Anchorage may be had 0.1 mile E of East Island in 20 to 30 fathoms. The bottom of Ward Cove is strewn with logs throughout, with the highest concentration near the head. Within these areas of dense log concen- tration, there are numerous, potentially dangerous snags. Mariners are advised against anchoring in these areas and to use caution anchoring in all other areas of the cove. Small craft often tie up to the anchored log booms in the cove.

(FE-00614; DD 23453) 51/13

WORLD PORT INDEX CORRECTIONS

PUB 150 23 Ed 2014 NEW EDITION

(NGA) 51/13

Structures across Manitowoc River					
Name•Description•Type	Location	Miles*	Clear Width of Draw or Span Opening (feet)**	Clear Height above Low Water Datum (feet)	Information
Eighth Street Bridge (bascule)	44°05'32"N., 87°39'28"W.	0.29	120	12	Note 1
Tenth Street Bridge (bascule)	44°05'31"N., 87°39'38"W.	0.43	120	14	Note 1
Chicago & North Western Railroad Bridge (fixed)	44°05'49"N., 87°40'14"W.	1.75	60 (right draw) 60 (left draw)	11	
Overhead power cable	44°05'48"N., 87°40'14"W.	1.76		84	
Overhead power cable	44°05'47"N., 87°40'21"W.	1.86		64	
Overhead power cables	44°05'49"N., 87°40'25"W.	1.95		84	
Twenty-first Street Bridge (fixed)	44°05'49"N., 87°40'27"W.	1.97	107	16	
Overhead cables	44°05'50"N., 87°40'28"W.	2.02			
Overhead cable	44°06'01"N., 87°40'43"W.	2.30			
Canadian National Railroad Bridge (fixed)	44°06'02"N., 87°40'43"W.	2.33	45 (right draw) 45 (left draw)	11	Head of navigation

* Miles above the mouth of the river
** Clear width in feet proceeding upstream

Note 1 – See 33 CFR 117.1 through 117.59 and 117.1089, chapter 2, for drawbridge regulations.

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I ATLANTIC COAST, 2013

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9345	- Buoy 12	42-42-35.96N 70-47-29.47W				Red nun.	Maintained from Apr. 15 to Oct. 15. * 51/13
9350	- Buoy 13	42-42-40.84N 70-47-43.44W				Green can.	Maintained from Apr. 15 to Oct. 15. * 51/13
9375	- Buoy 14	42-42-42.10N 70-48-34.39W				Red nun.	Maintained from Apr. 15 to Oct. 15. * 51/13
9380	- Buoy 16	42-42-48.60N 70-48-49.71W				Red nun.	Maintained from Apr. 15 to Oct. 15. * 51/13
9385	- Buoy 18	42-43-00.89N 70-48-52.72W				Red nun.	Maintained from Apr. 15 to Oct. 15. * 51/13
9390	- Buoy 19	42-43-13.87N 70-48-46.93W				Green can.	Maintained from Apr. 15 to Oct. 15. * 51/13
9392	- Buoy 21	42-43-30.69N 70-48-44.80W				Green can.	Maintained from Apr. 15 to Oct. 15. * 51/13
9395	- Buoy 22	42-43-35.16N 70-48-40.62W				Red nun.	Maintained from Apr. 15 to Oct. 15. * 51/13
9397	- Buoy 23	42-43-38.04N 70-48-27.22W				Green can.	Maintained from Apr. 15 to Oct. 15. * 51/13
9400	- Buoy 23A	42-43-43.86N 70-48-06.61W				Green can.	Maintained from Apr. 15 to Oct. 15. * 51/13
9405	- Buoy 25	42-44-01.83N 70-48-04.33W				Green can.	Maintained from Apr. 15 to Oct. 15. * 51/13
9410	- Buoy 27	42-44-11.59N 70-48-13.63W				Green can.	Maintained from Apr. 15 to Oct. 15. * 51/13
9413	- Buoy 29	42-44-23.37N 70-48-39.69W				Green can.	Maintained from Apr. 15 to Oct. 15. * 51/13
9415	- Buoy 30	42-44-31.97N 70-49-01.98W				Red nun.	Maintained from Apr. 15 to Oct. 15. * 51/13

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II ATLANTIC COAST, 2013

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4385	- Buoy 5						*Remove from list.* * 51/13
4390	- Buoy 7						*Remove from list.* * 51/13
4395	- Buoy 9						*Remove from list.* * 51/13

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 II ATLANTIC COAST, 2013

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
7667	*UMCES Lighted Data Buoy TI*						*Remove from list.*	
							*	51/13

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2013

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
490 5910	*Doboy Sound Lighted Buoy D*	31-21-14.07N 81-11-24.03W	Mo (A) W		5	Red and white stripes with red spherical topmark.		
					*			51/13
2420	*- Channel Lighted Bell Buoy 18*	32-43-26.65N 79-48-37.07W	Q R		4	Red.		
					*			51/13
2870	*- Lighted Buoy 54*	32-52-16.79N 79-57-47.79W	Fl R 2.5s		5	Red.		
					*			51/13
5065	- LIGHT 16	32-08-11.28N 81-08-23.09W	Fl R 2.5s	16	5	TR on pile.		
					*			51/13
5910 490	*- Lighted Buoy D*	31-21-14.07N 81-11-24.03W	Mo (A) W		5	Red and white stripes with red spherical topmark.		
					*			51/13
36460	- LIGHT 112	31-43-28.45N 81-08-58.55W	Fl R 4s	16	5	TR-TY on pile.		
					*			51/13
36620	- LIGHT 135	31-34-37.05N 81-11-18.54W	Fl G 4s	16	4	SG-SY on pile.		
		*						51/13

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2013

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
2445	- EAST JETTY LIGHT 4	33-35-22.68N 117-52-38.70W	Fl R 4s	39	6	TR on post.		
				*				51/13
3630	- BREAKWATER SOUTH LIGHT 1	34-09-16.25N 119-13-49.17W	Fl G 6s	54	5	SG on square platform on white column.		
					*			51/13
4000	- HARBOR ENTRANCE RANGE FRONT LIGHT	36-48-33.65N 121-47-07.75W	Q G	15		KRW on red pile.	Visible 5.5° each side of range line.	
		*						51/13
4005	- HARBOR ENTRANCE RANGE REAR LIGHT 64 yards, 052.5° from front light.	36-48-34.81N 121-47-05.88W	Iso G 6s	25		KRW on red pile.	Visible 5.5° each side of range line.	
	*	*						51/13
4157	*San Francisco Outfall South Research Buoy*						*Remove from list.*	
							*	51/13
4158	*San Francisco Outfall North Research Buoy*						*Remove from list.*	
							*	51/13

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, 2013

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
13770	- LIGHT 16	46-40-21.22N 117-46-33.20W	Fl R 6s	25	5	TR on multi-pile structure.		
					*	*		51/13
14855	- LIGHT 2	45-39-11.70N 122-46-04.56W	Q R	37	3	TR on dolphin.		
					*			51/13
*16852.5	SHIPMATES LIGHT	47-37-14.96N 122-21-49.28W	Fl W 2.5s			In Myrtle Edwards Park.	Private aid.	
								51/13
18290	NOAA PIER CLEARANCE LIGHTS (2)	47-41-17.21N 122-15-34.61W	F Y			On northwest and northeast corners of pier.	Aid maintained by National Oceanic and Atmospheric Administration.	
		*	*	*				51/13
18480	GEDNEY ISLAND LIGHT 1	48-00-15.50N 122-17-49.52W	Fl G 2.5s	15	4	SG on pile.		
					*			51/13
18605	CAMANO HEAD LIGHT 1 Marks submerged rocks.	48-03-08.57N 122-21-28.08W	Fl G 6s	15	4	SG on multi-pile structure.		
					*	*		51/13
19150	- LIGHT 29	48-27-51.29N 122-31-07.09W	Fl G 6s	15	4	SG on pile.		
					*			51/13
19310	*Lummi Point Lighted Buoy 5*	48-44-04.93N 122-41-10.55W	Fl G 4s		4	Green.		
					*			51/13
19325	DAVIDSON ROCK LIGHT 1	48-24-47.71N 122-48-43.17W	Fl G 4s	28	5	SG on pile.		
						*	*	51/13
19457	*- Lighted Buoy 11*	48-33-19.32N 122-45-44.16W	Fl G 2.5s		4	Green.	Buoy may be submerged during periods of extreme current.	
					*			51/13
19485	*Buckeye Shoal Lighted Bell Buoy 14* Marks shoal west of Sinclair Island.	48-37-27.25N 122-43-46.76W	Fl R 6s		4	Red.		
					*			51/13
26315.65	Kasilof Entrance Channel Buoy 9	60-23-30.74N 151-18-35.60W				Green can.	Maintained from May 1 to Nov 1.	
		*						51/13
26315.7	Kasilof Entrance Channel Buoy 10	60-23-29.32N 151-18-29.20W				Red nun.	Maintained from May 1 to Nov 1.	
		*						51/13

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII GREAT LAKES, 2013

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
12885	- TWINS LIGHT	46-01-33.93N 83-53-29.34W	Fl W 2.5s	27 8	9	NG on post.		
					*			51/13
12905	**Sweets Point Light 13** Marks north side of shoal.	46-02-19.39N 83-56-09.71W	Fl G 2.5s	20 6	10	White cylindrical tower with green stripe in middle.	Higher intensity beam on bearings 316° and 121° diminishing around remainder of horizon.	
	*				*			51/13

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, 2013

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
15165	GULL ROCK LIGHT	47-25-41.09N 87-39-52.17W	Fl (2) W 5s 0.4s fl 0.6s ec. 0.4s fl 3.6s ec.	50 15	8	White square tower on dwelling.		
					*			51/13
21495	*- Lighted Bell Buoy 2*						*Remove from list.*	
							*	51/13

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, 2013 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
17279 *J 6836.5*	-Chalmers Point.						*Remove from list.* *	51/13

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2013 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
232 *G 3122*	**-Cabo Manglares.**	1° 38.0′ N 79° 00.6′ W	**Fl.(3)W.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 15.5s *	112 **34**	**17**	Red round tower, white band.		51/13

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2013 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
*22131 *F 1476.23*	Teluk Apau, No. 1.	6° 22.1′ N 99° 54.6′ E	**Fl.Y.** period 3s	39 **12**	5	Yellow column on piles.		51/13
*22131.1 *F 1476.24*	-No. 2.	6° 21.6′ N 99° 54.7′ E	**Fl.Y.** period 5s	39 **12**	5	Yellow column on piles.		51/13
*22131.2 *F 1476.22*	-No. 3.	6° 22.2′ N 99° 55.5′ E	**Fl.Y.** period 6s	39 **12**	5	Yellow column on piles.		51/13
*22138.1 *F 1472.11*	-No. 1.	6° 23.7′ N 100° 07.3′ E	**Fl.Y.** period 5s	39 **12**	5	Yellow column on piles.		51/13
*22138.2 *F 1472.12*	-No. 2.	6° 23.1′ N 100° 07.5′ E	**Fl.Y.** period 10s	39 **12**	5	Yellow column on piles.		51/13

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2013 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
*19165 *E 5699.5*	Imeretinsky Severnyy.	43° 24.9′ N 39° 55.5′ E	**Fl.G.** period 1.5s fl. 0.5s, ec. 1s	82 **25**	5	Red 4-sided metal framework tower, white band; 98.	Visible 295° -140° .	51/13
*19166 *E 5699.53*	Imeretinsky Range, E. front, 344.6° from common rear.	43° 24.3′ N 39° 56.3′ E	**Iso.G.** period 3s	62 **19**	5	Green round metal column, white band, reinforced concrete base; 23.		51/13

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 113, LIST OF LIGHTS, 2013 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
*19166.1 *E 5699.51*	-Common Rear.	43° 24.6′ N 39° 56.1′ E	**Iso.Y.** period 3s	69 **21**	6	White rectangular panel, red stripe; 49.	Visible 325° -120° .	51/13
*19166.2 *E 5699.52*	- W. front, 344.6° from common rear.	43° 24.3′ N 39° 56.2′ E	**Iso.R.** period 3s	62 **19**	5	Red round metal column, white band, reinforced concrete base; 23.		51/13

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 51/13

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

Publication	Ed.	Notice to Mariners No.
NGA/DLIS CATALOGS CATCDLIMDIS		
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Region 6	2013	46/13*
Region 7	2013	46/13*
Region 8	2013	46/13*
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CHART NO. 4	1988	N23/91*
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PUB 106	2002	42/03*
PUB 107	1998	30/99*
PUB 109	2001	49/02*
USCG NAVIGATION RULES		
COMDTINSTM166722 D	1999	44/99*;52/00;16/04; 24/13
NOS TIDE TABLES		
W PACIFIC/INDIAN OCEAN	2013	N46/12*
WEST ATLANTIC	2013	N46/12*
EUROPE/WEST AFRICA	2013	N46/12*
EAST PACIFIC	2013	N46/12*
TIDAL CURRENT TABLES		
ATLANTIC	2013	N46/12*
PACIFIC	2013	N46/12*

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 121600Z December 2013:

2011 series	2013 series	575(GEN)	647(11)	764(11)	783(GEN)
385(28)	208(GEN)	581(11)	707(25,26)	772(GEN)	784(12,25)
2012 series	255(28)	585(28)	711(11)	775(GEN)	
40(28)	286(24)	596(28)	712(24)	779(24)	
286(GEN)	298(28)	608(11)	726(11)	780(28)	
610(GEN)	361(28)	633(15)	727(28)	781(25)	
707(27,28)	362(28)	640(28)	746(11)	782(15)	

The summary of all NAVAREA IV messages in force as of 19 December 2012 is given in Section III of NM 52/12. Warnings issued during the subsequent quarters are issued in NM 13/13, 26/13 and 39/13.

NAVAREA IV WARNINGS issued from 051500Z to 121600Z December 2013.

766/13 thru 771/13. CANCELED.

772/13(GEN).
1. NAVAREA IV WARNINGS IN FORCE 071000Z DEC 13.
2011 SERIES: 385(28).
2012 SERIES: 40(28), 286(GEN), 610(GEN), 707(27,28).
2013 SERIES: 208(GEN), 255(28), 286(24), 298(28), 361(28), 362(28), 575(GEN), 581(11), 585(28), 596(28), 608(11), 633(15), 640(28), 647(11), 707(25,26), 711(11), 712(24), 726(11), 727(28), 742(51), 746(11), 764(11), 767(GEN), 768(15), 770(GEN), 771(GEN).
2. THE SUMMARY OF ALL NAVAREA IV WARNINGS IN FORCE AS OF 19 DEC 2012 IS GIVEN IN SEC III OF NM 52/12. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/13, 26/13 AND 39/13.
3. CANCEL NAVAREA IV 753/13.

(071114Z DEC 2013)

773/13 and 774/13. CANCELED.

775/13(GEN).
GPS SATELLITE SYSTEM.
1. PRN 01 UNUSABLE 121400Z TO 131400Z DEC.
2. CANCEL THIS MSG 131500Z DEC 13.

(082151Z DEC 2013)

776/13 thru 778/13. CANCELED.

779/13(24).
CARIBBEAN SEA.
COLOMBIA-NORTH COAST.
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V WESTERN PRIDE TOWING ONE SEVEN MILE LONG CABLE IN AREA BOUND BY
12-59.352N 071-31.099W, 13-29.883N 071-29.749W,
13-30.062N 072-58.735W, 12-29.168N 073-00.050W,
12-59.656N 072-05.824W.
EIGHT MILE BERTH REQUESTED.

(102230Z DEC 2013)

780/13(28).
MEXICO.
YUCATAN-NORTHEAST COAST.
1. CABLE LAYING OPERATIONS 11 THRU 13 DEC BY CABLESHIP ILE DE BATZ WITH SUBMERSIBLE ALONG TRACKLINE JOINING
21-03.68N 086-46.01W,
21-03.67N 086-46.23W,
21-03.70N 086-46.44W.
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 14 DEC 13.

(110046Z DEC 2013)

781/13(25).
WESTERN NORTH ATLANTIC.
1. DERELICT S/V WITH CONTAINER ADRIFT VICINITY
17-33N 055-27W AT 110130Z DEC.
2. CANCEL THIS MSG 140441Z DEC 13.

(110442Z DEC 2013)

782/13(15).
ARCTIC.
CANADA-NORTHEAST COAST.
RADIO SERVICES.
1. IQALUIT MCTS CENTRE HF8 NBDP BROADCASTS OFF AIR FOR SEASON.
2. CANCEL NAVAREA IV 768/13.
3. CANCEL THIS MSG 20 DEC 13.

(111358Z DEC 2013)

783/13(GEN).
NORTH AMERICAN ICE SERVICE (NAIS) ICEBERG BULLETIN.
1. 120001Z DEC ICEBERG LIMIT ALONG TRACKLINE JOINING
52-00N 055-55W, 51-00N 054-30W, 51-00N 053-00W,
54-00N 051-30W, 55-00N 052-00W, 60-00N 059-30W.
2. SEA ICE LIMIT ALONG TRACKLINES JOINING:
A. 50-15N 065-50W, 50-05N 066-00W, 49-55N 066-45W,
49-15N 067-15W, 49-05N 068-05W, 48-55N 068-00W,
49-20N 066-00W, 49-15N 065-05W, 49-15N 065-00W.
B. 48-30N 064-15W, 48-10N 064-25W, 48-00N 064-10W,
47-15N 064-55W, 47-05N 064-40W, 47-10N 063-55W,
46-30N 063-25W.
C. 46-05N 063-00W, 46-05N 063-35W, 46-00N 063-55W.
D. 50-15N 064-10W, 50-05N 064-00W, 50-00N 062-00W,
50-00N 060-00W, 51-05N 058-05W, 51-25N 057-10W.
E. 52-15N 055-35W, 53-30N 055-30W, 54-40N 057-00W,
56-20N 060-20W, 59-00N 062-30W, 59-10N 061-35W,
59-40N 060-25W, 61-15N 062-00W, 62-00N 060-25W,
64-25N 057-50W.
3. REPORT POSITION AND TIME OF ANY ICEBERGS OR
STATIONARY RADAR TARGETS THAT MAY LIKELY BE ICEBERGS TO
THE NEAREST CANADIAN COAST GUARD MARINE COMMUNICATIONS
AND TRAFFIC SERVICE STATION OR USING INMARSAT CODE 42.
4. CANCEL THIS MSG 130001Z DEC 13.

(112200Z DEC 2013)

784/13(12,25).
WESTERN NORTH ATLANTIC.
ROCKETS.
1. HAZARDOUS OPERATIONS 170315Z TO 170445Z DEC,
ALTERNATES 180300Z TO 180430Z, 190230Z TO 190400Z,
200200Z TO 200345Z, 210145Z TO 210315Z,
220115Z TO 220300Z, 230100Z TO 230230Z AND
240030Z TO 240215Z DEC IN AREAS BOUND BY:
A. 37-29-59N 074-48-38W, 37-19-05N 074-58-41W,
37-17-37N 075-42-35W, 38-00-28N 075-28-34W,
37-55-18N 075-04-31W.
B. 37-29-59N 074-48-38W, 37-01-21N 074-07-47W,
36-55-16N 074-13-51W, 37-19-05N 074-58-41W.
C. 27-13-02N 061-11-10W, 22-58-51N 056-52-28W,
21-50-53N 058-39-34W, 25-56-11N 062-41-48W.
2. CANCEL THIS MSG 240315Z DEC 13.

(121004Z DEC 2013)

HYDROLANTS

Messages in force 121600Z December 2013:

2011 series	277(24)	2093(24)	2907(57)	3073(24)	3175(56)
483(24)	345(24)	2094(55)	2937(35)	3087(57)	3176(56)
881(56)	565(35,37)	2139(54,56)	2940(55)	3100(57)	3178(56)
1291(37)	572(37)	2245(24)	2956(24)	3103(51)	3181(51)
1331(37,43)	618(37)	2296(GEN)	2958(52)	3114(51)	3182(24)
1401(24)	620(GEN)	2397(35,37)	2965(24)	3115(37)	3184(52)
1652(35)	846(51)	2530(24)	2982(37,43)	3118(55)	3185(11,26)
1879(24)	856(35)	2586(24)	2983(37)	3121(23)	3187(35)
1966(37)	857(35)	2624(24)	2990(57)	3133(51)	3189(37)
2012 series	946(24)	2666(55)	2991(54)	3134(37)	3190(52,53)
117(53)	1151(37)	2700(57)	2994(37)	3136(55)	3192(23,24)
641(35,43)	1230(37)	2758(57)	3002(54)	3137(53)	3193(24)
751(37)	1306(44)	2760(54)	3003(24)	3139(24)	3195(54)
1956(24)	1390(55)	2768(25)	3005(52)	3143(57)	3196(12)
2118(35)	1406(36)	2771(36)	3007(36)	3145(11,26)	3197(56)
2305(24)	1565(55)	2776(GEN)	3022(51)	3146(54,56)	3198(37)
2501(37)	1566(55)	2788(51)	3025(52)	3147(55)	3202(35)
2839(37)	1583(37)	2812(51)	3028(37)	3155(24)	3203(54)
2908(37)	1605(57)	2828(GEN)	3033(54)	3158(GEN)	3204(35)
2013 series	1613(36)	2837(37)	3034(57)	3163(52,53)	3205(37)
7(54)	1637(37)	2845(24)	3036(24)	3166(25)	3206(35)
9(54)	1680(44)	2849(35)	3047(57)	3168(53)	3208(24)
10(54)	1880(24)	2861(57)	3055(55)	3169(GEN)	3209(23)
11(54)	1981(37)	2872(54,56)	3056(56)	3173(11)	
202(24)	2044(35)	2898(37)	3057(56)	3174(56)	

The summary of all HYDROLANTS in force as of 19 December 2012 is given in Section III of NM 52/12. Warnings issued during the subsequent quarters are issued in NM 13/13, 26/13 and 39/13.

HYDROLANT WARNINGS issued from 051500Z to 121600Z December 2013.

3132/13. CANCELED.

3133/13(51).
EASTERN NORTH ATLANTIC.
MOROCCO.
CHART 51280
CAP HADID LIGHT 31-41.9N 009-39.8W UNLIT.

(051344Z DEC 2013)

3134/13(37).
ENGLAND-SOUTH COAST.
CHART 37095
DANGEROUS WRECK IN 50-42.34N 000-22.05W.

(051435Z DEC 2013)

3135/13. CANCELED.

3136/13(55).
BLACK SEA.
RUSSIA.
GUNNERY.
1. GUNNERY EXERCISES 0500Z TO 1300Z DAILY
09 THRU 14 DEC IN AREA BOUND BY
44-12N 036-39E, 44-31N 036-43E,
44-31N 037-02E, 44-19N 037-00E.
2. CANCEL THIS MSG 141400Z DEC 13.

(051728Z DEC 2013)

3137/13(53).
EASTERN MEDITERRANEAN SEA.
MALTA.
GUNNERY.
1. GUNNERY EXERCISES 0700Z TO 1500Z DAILY
09 AND 11 DEC, ALTERNATE 12 AND 13 DEC
WITHIN EIGHT MILES OF 35-30.5N 014-11.0E.
2. CANCEL THIS MSG 131600Z DEC 13.

(051748Z DEC 2013)

3138/13. CANCELED.

3139/13(24).
BRAZIL-SOUTHEAST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 140159Z DEC
BY M/V WESTERN NEPTUNE TOWING 12
FIVE MILE LONG CABLES IN AREA BOUND BY
24-26S 042-52W, 25-08S 041-38W,
25-42S 042-00W, 24-59S 043-14W.
SEVEN MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 3061/13.
3. CANCEL THIS MSG 140259Z DEC 13.

(052014Z DEC 2013)

3140/13 thru 3142/13. CANCELED.

3143/13(57).
GULF OF GUINEA.
1. SEISMIC SURVEY IN PROGRESS UNTIL 050001Z FEB 14
BY M/V BGP PROSPECTOR TOWING EIGHT
FIVE MILE LONG CABLES IN AREA BOUND BY
05-08.5N 003-03.6E, 04-35.3N 003-03.6E,
04-35.6N 001-47.2E, 05-08.5N 001-47.2E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 050101Z FEB 14.

(060907Z DEC 2013)

3144/13. CANCELED.

3145/13(11,26).
WESTERN NORTH ATLANTIC.
FLORIDA TO BAHAMAS.
34 FOOT S/V RAINBEAU, WHITE HULL WITH GREEN STRIPE,
ONE PERSON ON BOARD, OVERDUE ST. AUGUSTINE (29-53.7N 081-18.7W)
TO WEST END (26-41.2N 078-58.5W). VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO U.S. COAST GUARD MIAMI, PHONE: 305 415 6800,
E-MAIL:RCCMIAMI@USCG.MIL.

(061022Z DEC 2013)

3146/13(54,56).
EASTERN MEDITERRANEAN SEA.
SYRIA.
CHART 54480
JAZIRAT ARWAD LIGHT 34-51.4N 035-51.3E UNLIT.

(061024Z DEC 2013)

3147/13(55).
BLACK SEA.
1. OCEANOGRAPHIC OPERATIONS 06 DEC THRU 14 FEB 14
BY M/V MARIA S. MERIAN IN AREA BOUND BY
44-15.0N 029-45.0E, 44-15.0N 031-20.0E,
43-27.0N 031-19.6E, 43-26.3N 031-18.5E,
43-19.9N 031-06.5E, 43-38.2N 030-28.6E,
43-40.9N 029-45.0E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 15 FEB 14.

(061029Z DEC 2013)

3148/13 thru 3154/13. CANCELED.

3155/13(24).
BRAZIL-SOUTHEAST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 140159Z DEC BY
M/V OCEANIC ENDEAVOUR TOWING 12
FIVE MILE LONG CABLES IN AREA BOUND BY
23-35.68S 039-37.22W, 23-46.20S 039-56.75W,
23-49.82S 040-28.42W, 22-40.28S 040-08.73W.
SEVEN MILE BERTH REQUESTED.
2. CANCEL THIS MSG 140259Z DEC 13.

(070637Z DEC 2013)

3156/13 and 3157/13. CANCELED.

3158/13(GEN).
1. HYDROLANT WARNINGS IN FORCE 071000Z DEC 13. ONLY THOSE
WARNINGS ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2013 SERIES: 2700(57), 2758(57), 2760(54), 2768(25), 2771(36),
2776(GEN), 2788(51), 2812(51), 2828(GEN), 2837(37), 2845(24),
2849(35), 2860(56), 2861(57), 2872(54,56), 2898(37), 2907(57),
2937(35), 2940(55), 2956(24), 2958(52), 2965(24), 2973(54),

2982(37,43), 2983(37), 2990(57), 2991(54), 2994(37), 3002(54),
3003(24), 3005(52), 3007(36), 3015(54,56), 3022(51), 3025(52),
3028(37), 3033(54), 3034(57), 3036(24), 3047(57), 3053(55),
3055(55), 3056(56), 3057(56), 3069(23,24), 3073(24), 3081(35),
3087(57), 3100(57), 3103(51), 3107(37), 3109(24), 3110(24),
3111(24), 3112(24), 3114(51), 3115(37), 3118(55), 3119(55),
3121(23), 3123(24), 3124(24), 3125(24), 3133(51), 3134(37),
3136(55), 3137(53), 3139(24), 3141(24), 3142(24), 3143(57),
3145(11,26), 3146(54,56), 3147(55), 3148(53), 3149(54),
3151(35), 3152(35), 3153(24), 3154(25), 3155(24), 3157(35,37).
2. THE SUMMARY OF ALL HYDROLANT WARNINGS IN FORCE AS OF
19 DEC 2012 IS GIVEN IN SEC III OF NM 52/12.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS
ARE SUMMARIZED IN NM 13/13, 26/13 AND 39/13.
3. CANCEL HYDROLANT 2021/13, 2060/13, 2582/13,
2993/13, 3030/13, 3045/13, 3058/13, 3066/13,
3068/13, 3079/13, 3084/13, 3088/13.

(071116Z DEC 2013)

3159/13 thru 3162/13. CANCELED.

3163/13(52,53).
WESTERN MEDITERRANEAN SEA.
SPAIN.
1. S/V SEYCHELLES III, TWO PERSONS ON BOARD,
IN NEED OF ASSISTANCE BETWEEN
CAP DE CREUS (42-19N 003-19E) AND
ISLAS BALEARES (39-30N 003-00E). VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC LA GARDE,
TELEX: 430024, PHONE: 334 9461 1616,
FAX: 334 9427 1149, E-MAIL: LAGARDE@MRCCFR.EU.
2. CANCEL HYDROLANT 3148/13.

(072338Z DEC 2013)

3164/13 and 3165/13. CANCELED.

3166/13(25).
EASTERN CARIBBEAN SEA.
GUADELOUPE.
10.5 METER S/V ZEN, WHITE HULL, TWO PERSONS ON BOARD,
OVERDUE FROM DESHAIES 16-18N 061-48W.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC FORT DE FRANCE,
INMARSAT-C: 422 799 024, TELEX: 42 912 008,
PHONE: 596 596 709 292, FAX: 596 596 632 450,
E-MAIL: ANTILLES@MRCCFR.EU.

(081607Z DEC 2013)

3167/13. CANCELED.

3168/13(53).
EASTERN MEDITERRANEAN SEA.
STRAIT OF SICILY.
VESSEL, WHITE HULL, 55 PERSONS ON BOARD,
SINKING IN 36-35N 012-12E AT 081825Z DEC. VESSELS
IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC ROME,
INMARSAT-C: 424744220,
PHONE: 39 065 908 4527, 39 065 908 4409,
FAX: 39 06 592 2737, 39 065 908 4409,
E-MAIL: ITMRCC@MIT.GOV.IT.

(082025Z DEC 2013)

3169/13(GEN).
GPS SATELLITE SYSTEM.
1. PRN 01 UNUSABLE 121400Z TO 131400Z DEC.
2. CANCEL THIS MSG 131500Z DEC 13.

(082152Z DEC 2013)

3170/13 thru 3172/13. CANCELED.

3173/13(11).
GULF OF MEXICO.
33 FOOT F/V ACTION II DISABLED AND ADRIFT IN
27-49.37N 091-54.48W AT 090230Z DEC. VESSELS
IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO U.S. COAST GUARD
DISTRICT EIGHT, PHONE: 504 589 6225,
E-MAIL: D8COMMANDCENTER@USCG.MIL, SCCNOLA@USCG.MIL.

(090900Z DEC 2013)

3174/13(56).
EASTERN MEDITERRANEAN SEA.
LIBYA.
VESSEL, NUMEROUS PERSONS ON BOARD, IN NEED OF ASSISTANCE
IN 33-14N 013-15E AT 090635Z DEC. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC ROME, INMARSAT-C: 424744220,
PHONE: 39 065 908 4527, 39 065 908 4409,
FAX: 390 6592 2737, 3906 5908 4793,
E-MAIL: ITMRCC@MIT.GOV.IT.

(091003Z DEC 2013)

3175/13(56).
EASTERN MEDITERRANEAN SEA.
LIBYA.
1. VESSEL, NUMEROUS PERSONS ON BOARD, IN NEED OF ASSISTANCE
IN 33-15N 013-08E AT 090953Z DEC. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC ROME, INMARSAT-C: 424744220,
PHONE: 39 065 908 4527, 39 065 908 4409,
FAX: 390 6592 2737, 3906 5908 4793,
E-MAIL: ITMRCC@MIT.GOV.IT.
2. CANCEL HYDROLANT 3164/13(23).

(091237Z DEC 2013)

3176/13(56).
EASTERN MEDITERRANEAN SEA.
LIBYA.
VESSEL, 200 PERSONS ON BOARD, IN NEED OF ASSISTANCE
IN 33-31N 013-30E AT 091055Z DEC. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC ROME, INMARSAT-C: 424744220,
PHONE: 39 065 908 4527, 39 065 908 4409,
FAX: 390 6592 2737, 3906 5908 4793,
E-MAIL: ITMRCC@MIT.GOV.IT.

(091253Z DEC 2013)

3177/13. CANCELED.

3178/13(56).
EASTERN MEDITERRANEAN SEA.
LIBYA.
VESSEL, 75 PERSONS ON BOARD, TAKING ON WATER,
IN NEED OF ASSISTANCE IN 33-49N 013-33E AT 091340Z DEC.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC ROME,
INMARSAT-C: 424744220,
PHONE: 39 065 908 4527, 39 065 908 4409,
FAX: 390 6592 2737, 3906 5908 4793,
E-MAIL: ITMRCC@MIT.GOV.IT.

(091541Z DEC 2013)

3179/13 and 3180/13. CANCELED.

3181/13(51).
EASTERN NORTH ATLANTIC.
THE GAMBIA.
CABLE REPAIR OPERATIONS IN PROGRESS UNTIL
FURTHER NOTICE BY CABLESHIP PETER FABER
VICINITY 13-34.1N 017-13.1W.
WIDE BERTH REQUESTED.

(092324Z DEC 2013)

3182/13(24).
BRAZIL-NORTH COAST.
CHART 24290, 24320
ILHA DO MACHADINHO LIGHT 00-10.8S 048-45.9W UNLIT.

(100023Z DEC 2013)

3183/13. CANCELED.

3184/13(52).
WESTERN MEDITERRANEAN SEA.
TUNISIA-NORTH COAST.
CHART 52200
GALITON DE L'OUEST LIGHT 37-29.9N 008-52.6E AT REDUCED INTENSITY.

(101202Z DEC 2013)

3185/13(11,26).
WESTERN NORTH ATLANTIC.
FLORIDA TO BAHAMAS.
DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM 38 FOOT S/V LEGACY,
WHITE HULL, ONE PERSON ON BOARD, BETWEEN MIAMI (25-46N 080-13W)
AND BIMINI (25-44N 079-15W). VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO U.S. COAST GUARD MIAMI, PHONE: 305 415 6800,
E-MAIL:RCCMIAMI@USCG.MIL.

(101225Z DEC 2013)

3186/13. CANCELED.

3187/13(35).
NORTH SEA.
SCOTLAND.
1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V POLARCUS NAILA TOWING EIGHT 6000 METER
LONG CABLES IN AREA BETWEEN
58-25N 58-00N AND 000-16W 002-00W.
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 3186/13(25), VESSEL ASSISTED.
3. CANCEL HYDROLANT 3165/13.

(101330Z DEC 2013)

3188/13. CANCELED.

3189/13(37).
SOUTHERN NORTH SEA.
ORDNANCE.
CHART 37166
UNEXPLODED ORDNANCE REPORTED IN 51-56.60N 002-29.65E.

(101502Z DEC 2013)

3190/13(52,53).
STRAIT OF SICILY.
TUNISIA TO SICILY.
VESSEL, NUMEROUS PERSONS ON BOARD, IN NEED OF ASSISTANCE
BETWEEN KELIBIA (36-51N 011-06E) AND MAZARA DEL VALLO
(37-39N 012-35E). VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC ROME, INMARSAT-C: 424744220,
PHONE: 39 065 908 4527, 39 065 908 4409,
FAX: 390 6592 2737, 3906 5908 4793,
E-MAIL: ITMRCC@MIT.GOV.IT.

(101520Z DEC 2013)

3191/13. CANCELED.

3192/13(23,24).
WESTERN SOUTH ATLANTIC.
URUGUAY.
1. SEISMIC SURVEY BY M/V WESTERN REGENT TOWING TEN
8800 METER LONG CABLES:
A. 10 DEC ALONG TRACKLINE BETWEEN
36-20.65S 051-30.73W AND 35-55.82S 051-55.15W.
B. 10 AND 11 DEC ALONG TRACKLINE BETWEEN
35-53.07S 051-45.93W AND 36-16.38S 051-22.95W.
C. 11 DEC ALONG TRACKLINE BETWEEN
36-20.42S 051-30.50W AND 35-37.08S 052-12.93W.
D. 12 DEC TRACKLINE BETWEEN
35-32.87S 052-05.20W AND 36-16.17S 051-22.75W
EIGHT MILE BERTH REQUESTED.
2. CANCEL THIS MSG 13 DEC 13.

(101629Z DEC 2013)

3193/13(24) 24)
NORTH ATLANTIC.
1. DERELICT SEVEN METER S/V ADRIFT VICINITY
15-05.9N 035-50.6W AT 100600Z DEC.
2. CANCEL THIS MSG 131655Z DEC 13.

(101655Z DEC 2013)

3194/13. CANCELED.

3195/13(54).
AEGEAN SEA.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0400Z TO 1600Z DAILY
16 AND 17 DEC IN AREA BOUND BY

39-00.00N 025-48.00E, 38-45.00N 025-41.00E,
38-42.73N 026-10.00E, 38-53.53N 026-10.00E.
2. CANCEL THIS MSG 171700Z DEC 13.

(102355Z DEC 2013)

3196/13(12).
WESTERN NORTH ATLANTIC.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 35-55.4N 073-44.6W
AT 110211Z DEC. 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: RCCNORFOLK@USCG.MIL.

(110445Z DEC 2013)

3197/13(56).
EASTERN MEDITERRANEAN SEA.
LIBYA.
VESSEL, 60 PERSONS ON BOARD, IN NEED OF ASSISTANCE
IN 33-17.6N 012-13.3E AT 110845Z DEC. VESSELS
IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC ROME,
INMARSAT-C: 424744220,
PHONE: 3906 5908 4527, 3906 5908 4409,
FAX: 390 6592 2737, 3906 5908 4793,
E-MAIL: ITMRCC@MIT.GOV.IT.

(110926Z DEC 2013)

3198/13(37).
EASTERN NORTH ATLANTIC.
BAY OF BISCAY.
20 METER S/V LIBERDAD, OVERDUE. LAST KNOWN POSITION
VICINITY 45-40N 008-55W AT 101740Z DEC. VESSELS
IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC GRIS NEZ,
TELEX: 42130680, PHONE: 333 2187 2187,
FAX: 333 2187 7855.

(111010Z DEC 2013)

3199/13 thru 3201/13. CANCELED.

3202/13(35).
SCOTLAND-NORTH COAST.
ORKNEY ISLANDS.
CHART 35001
1. NOUP HEAD LIGHT 59-19.9N 003-04.2W UNLIT.
2. CANCEL HYDROLANT 3191/13.

(111702Z DEC 2013)

3203/13(54).
NORTHERN ADRIATIC SEA.
1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE BY M/V NORTHERN EXPLORER
IN AREA BOUND BY
44-44N 014-05E, 42-20N 017-02E,
41-53N 016-30E, 44-33N 013-22E.
FOUR MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 3149/13.

(112021Z DEC 2013)

3204/13(35).
EASTERN NORTH ATLANTIC.
SCOTLAND-WEST COAST.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0900Z TO 1800Z DAILY
12 AND 13 DEC WITHIN 20 MILES OF:
A. 57-16N 008-05W.
B. 57-30N 008-31W.
VESSELS INTENDING TO ENTER AREA SHOULD
CONTACT HEBRIDES RANGE CONTROL ON
VHF CH 16 OR PHONE: 187 060 4449 FOR ADVICE.
2. CANCEL THIS MSG 131900Z DEC 13.

(112152Z DEC 2013)

3205/13(37).
SOUTHERN NORTH SEA.
CHART 37057
ALL NAVIGATIONAL AIDS AT PLATFORM 48/25-PUR
53-15.5N 001-58.3E INOPERATIVE.

(112253Z DEC 2013)

3206/13(35).
SCOTLAND-WEST COAST.
SEA OF HERBRIDES.
CHART 35093
OIGH SGEIR LIGHT 56-58.2N 006-40.9W UNLIT.

(112258Z DEC 2013)

3207/13. CANCELED.

3208/13(24).
BRAZIL-SOUTH COAST.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 171500Z TO 180300Z DEC
IN AREA BOUND BY
25-20S 044-55W, 25-52S 044-29W,
26-44S 045-47W, 26-13S 046-14W.
2. CANCEL THIS MSG 180400Z DEC 13.

(120044Z DEC 2013)

3209/13(23).
WESTERN SOUTH ATLANTIC.
URUGUAY.
1. SEISMIC SURVEY IN PROGRESS UNTIL 13 DEC
BY M/V RAMFORM VANGUARD TOWING 12
7000 METER LONG CABLES
ALONG TRACKLINE BETWEEN
36-17.25S 053-04.58W AND 36-21.48S 052-08.68W.
NINE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 14 DEC 13.

(120152Z DEC 2013)

3210/13 and 3211/13. CANCELED.

NAVAREA XII

Messages in force 121600Z December 2013:

2012 series	2013 series	153(21)	239(21)	309(GEN)	313(18,19,81)
110(97)	95(GEN)	181(21)	268(21)	310(GEN)	
334(21)	119(21)	235(GEN)	302(18)	312(GEN)	

The summary of all NAVAREA XII messages in force as of 19 December 2012 is given in Section III of NM 52/12. Warnings issued during the subsequent quarters are issued in NM 13/13, 26/13 and 39/13.

NAVAREA XII WARNINGS issued from 051500Z to 121600Z December 2013.

307/13 and 308/13. CANCELED.

309/13(GEN).
1. NAVAREA XII WARNINGS IN FORCE AS OF 071000Z DEC 13.
2012 SERIES: 110(97), 334(21).
2013 SERIES: 95(GEN), 119(21), 153(21), 181(21),
235(GEN), 239(21), 268(21), 302(18), 307(16,17).
2. THE SUMMARY OF ALL NAVAREA XII WARNINGS IN FORCE
AS OF 19 DEC 2012 IS GIVEN IN SEC III OF NM 52/12.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS
ARE SUMMARIZED IN NM 13/13, 26/13 AND 39/13.
3. CANCEL NAVAREA XII 300/13.

(071406Z DEC 2013)

310/13(GEN).
GPS SATELLITE SYSTEM.
1. PRN 01 UNUSABLE 121400Z TO 131400Z DEC.
2. CANCEL THIS MSG 131500Z DEC 13.

(082151Z DEC 2013)

311/13. CANCELED.

312/13(GEN).
EASTERN NORTH PACIFIC.
CALIFORNIA.
RADIO SERVICES.
1. U.S. COAST GUARD STATION POINT REYES HF BROADCASTS
OFF AIR 121653Z TO 121735Z DEC.
2. CANCEL THIS MSG 121835Z DEC 13.

(112351Z DEC 2013)

313/13(18,19,81).
EASTERN NORTH PACIFIC.
MISSILES.
1. HAZARDOUS OPERATIONS:
A. 0909Z TO 1646Z DAILY 17 THRU 19 DEC
IN AREA BETWEEN
34-52N 34-46N AND 121-08W 120-34W.
B. 0909Z TO 1646Z DAILY 17 THRU 19 DEC
IN AREA BOUND BY
34-13N 125-04W, 34-46N 125-09W,
35-03N 122-01W, 34-30N 121-57W.
C. 0909Z TO 1646Z DAILY 17 THRU 19 DEC
IN AREA BOUND BY
32-35N 136-52W, 33-05N 137-00W,
33-20N 135-41W, 32-50N 135-33W.
D. 0909Z TO 1753Z DAILY 17 THRU 19 DEC
IN AREA BOUND BY
15-54N 175-58E, 17-10N 178-32E,
15-50N 179-14E, 14-35N 176-41E.
2. CANCEL THIS MSG 191853Z DEC 13.

(120949Z DEC 2013)

HYDROPACS

Messages in force 121600Z December 2013:

2011 series	1178(63)	3389(61)	3706(94)	3807(71)	3845(63)
1561(56)	1356(74)	3396(61)	3708(74)	3808(93)	3846(94)
1701(63)	1394(62)	3405(97)	3715(63)	3811(97)	3848(61)
2286(71)	1791(74)	3406(62)	3722(63)	3813(GEN)	3849(61)
2812(71)	2019(62)	3410(74)	3723(94)	3814(22)	3850(22)
2877(96)	2249(71)	3429(74)	3732(93)	3815(62)	3853(62)
3552(96)	2255(63)	3476(63)	3737(93)	3816(95)	3856(93)
2012 series	2493(93)	3520(61)	3738(63)	3818(18)	3857(95)
408(94)	2531(94)	3561(92)	3741(93)	3822(GEN)	3858(95)
1079(97)	2668(62)	3583(92)	3756(93)	3823(95,96)	3859(95)
1222(97)	2684(74)	3592(62)	3767(61)	3824(93)	3860(63)
1377(94,95)	2726(22)	3593(62)	3774(75)	3827(63)	3861(63)
1555(96)	2738(62)	3595(93)	3775(81,82)	3831(GEN)	3862(63,71)
1734(GEN)	2830(63)	3620(94)	3786(22)	3832(22)	3866(93)
1824(76)	2832(GEN)	3621(94)	3788(95)	3833(62)	3867(83)
1847(63)	2934(94)	3622(93)	3789(95)	3834(62)	3868(74)
2920(22)	2988(76,83)	3635(29)	3790(95)	3835(22)	3869(81)
3511(62)	3004(63)	3636(29)	3792(96)	3836(92)	3870(81)
2013 series	3056(71)	3650(63)	3796(GEN)	3837(83)	3872(81)
18(63)	3117(61)	3657(63)	3797(21)	3838(94)	
797(63)	3276(74)	3658(97)	3800(61)	3841(63)	
899(75)	3332(74)	3660(93)	3802(93)	3842(81)	
1076(63)	3355(22)	3703(97)	3804(21)	3843(76)	

The summary of all HYDROPACS in force as of 19 December 2012 is given in Section III of NM 52/12. Warnings issued during the subsequent quarters are issued in NM 13/13, 26/13 and 39/13.

HYDROPAC WARNINGS issued from 051500Z to 121600Z December 2013.

3805/13 and 3806/13. CANCELED.

3807/13(71).
SOUTH CHINA SEA.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 02-07.1N 106-47.6E
AT 052245Z DEC. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO SINGAPORE PORT OPERATIONS CONTROL CENTER,
PHONE: 656 226 5539, FAX: 656 227 9971,
E-MAIL: POCC@MPA.GOV.SG.

(060554Z DEC 2013)

3808/13(93).
NORTHERN SOUTH CHINA SEA.
1. PIPELAYING OPERATIONS IN PROGRESS UNTIL 31 DEC
VICINITY OF TRACKLINE BETWEEN
21-11.4N 115-01.4E AND 21-20.9N 114-59.0E.
2. CANCEL THIS MSG 01 JAN 14.

(060606Z DEC 2013)

3809/13 and 3810/13. CANCELED.

3811/13(97).
WESTERN NORTH PACIFIC.
JAPAN.
NAMPO SHOTO.
CHART 97521
1. VOLCANIC ACTIVITY REPORTED IN 27-14.6N 140-52.7E.
2. CANCEL HYDROPAC 3623/13.

(060911Z DEC 2013)

3812/13. CANCELED.

3813/13(GEN).
NORTHERN INDIAN OCEAN.
M/V PERGIWO, BLACK HULL, UNREPORTED TO GADANI (25-04.0N 066-42.0E).
LAST KNOWN POSITION 00-38.8N 090-30.1E ON 03 DEC.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS MRCC MUMBAI,
FAX: 9122 2431 6558, E-MAIL: INDSAR@VSNL.NET.

(061223Z DEC 2013)

3814/13(22).
EASTERN SOUTH PACIFIC.
GALAPAGOS ISLANDS.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 02-15.0S 093-37.2W.
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.

(061236Z DEC 2013)

3815/13(62).
PERSIAN GULF.
QATAR.
1. PIPELINE OPERATIONS 070001Z TO 140001Z DEC BY
M/V HORIZON SURVEYOR ALONG TRACKLINE BETWEEN
26-09.18N 052-04.39E AND 25-56.78N 051-31.28E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 140101Z DEC 13.

(061304Z DEC 2013)

3816/13(95).
YELLOW SEA.
GUNNERY.
1. GUNNERY EXERCISES 0100Z TO 0900Z DAILY
11 THRU 13 DEC IN AREA BETWEEN
37-25N 37-30N AND 124-43E 124-50E.
2. CANCEL THIS MSG 131000Z DEC 13.

(061320Z DEC 2013)

3817/13. CANCELED.

3818/13(18).
EASTERN NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 24-12.7N 121-55.1W.
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.

(061956Z DEC 2013)

3819/13 thru 3821/13. CANCELED.

3822/13(GEN).
1. HYDROPAC WARNINGS IN FORCE 071000Z DEC 13. ONLY THOSE
WARNINGS ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2013 SERIES: 3332(74), 3355(22), 3389(61), 3396(61), 3405(97),
3406(62), 3410(74), 3429(74), 3476(63), 3520(61), 3561(92),
3583(92), 3592(62), 3593(62), 3595(93), 3620(94), 3621(94),
3622(93), 3635(29), 3636(29), 3645(61), 3650(63), 3656(96),
3657(63), 3658(97), 3660(93), 3703(97), 3706(94), 3708(74),
3715(63), 3722(63), 3723(94), 3724(93), 3732(93), 3737(93),
3738(63), 3741(93), 3756(93), 3767(61), 3770(63), 3774(75),
3775(81,82), 3783(22), 3786(22), 3788(95), 3789(95), 3790(95),
3792(96), 3794(63), 3796(GEN), 3797(21), 3800(61),
3801(81,97), 3802(93), 3804(21), 3805(63), 3807(71), 3808(93),
3809(22), 3810(22), 3811(97), 3813(GEN), 3814(22), 3815(62),
3816(95), 3817(63), 3818(18), 3819(22).
2. THE SUMMARY OF ALL HYDROPAC WARNINGS IN FORCE AS OF
19 DEC 2012 IS GIVEN IN SEC III OF NM 52/12.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS
ARE SUMMARIZED IN NM 13/13, 26/13 AND 39/13.
3. CANCEL HYDROPAC 2533/12, 3640/13, 3717/13,
3725/13, 3739/13, 3745/13, 3747/13, 3766/13.

(071412Z DEC 2013)

3823/13(95,96).
SEA OF JAPAN.
GUNNERY.
1. GUNNERY EXERCISES 2100Z TO 0200Z COMMENCING DAILY
11 THRU 14 DEC AND 0400Z TO 0900Z DAILY
12 THRU 15 DEC IN AREAS BETWEEN:
A. 41-40N 42-15N AND 131-41E 132-15E.
B. 41-40N 42-15N AND 132-23E 132-49E.
2. CANCEL THIS MSG 151000Z DEC 13.

(071656Z DEC 2013)

3824/13(93).
SOUTH CHINA SEA.
F/V BD 97081 TS, 12 PERSONS ON BOARD, DISABLED AND ADRIFT
DUE TO ENGINE TROUBLE IN 10-15N 112-25E AT 072100Z DEC.

VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC VIETNAM,
PHONE: 844 3768 3050, FAX: 844 3768 3048,
E-MAIL: VMRCC@FPT.VN.

(080407Z DEC 2013)

3825/13 and 3826/13. CANCELED.

3827/13(63).
BAY OF BENGAL.
INDIA-EAST COAST.
VESSEL, THREE PERSONS ON BOARD, DISABLED AND ADRIFT
IN 13-48.76N 082-07.15E. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO MRCC CHENNAI,
PHONE: 91 442 539 5018, FAX: 91 442 346 0405,
E-MAIL: ISAREAST@DATAONE.IN,
ICGMRCC_CHENNAI@DATAONE.IN,
MRCC-EAST@INDIANCOASTGUARD.NIC.IN.

(080942Z DEC 2013)

3828/13 thru 3830/13. CANCELED.

3831/13(GEN).
GPS SATELLITE SYSTEM.
1. PRN 01 UNUSABLE 121400Z TO 131400Z DEC.
2. CANCEL THIS MSG 131500Z DEC 13.

(082153Z DEC 2013)

3832/13(22).
EASTERN SOUTH PACIFIC.
CHILE.
NAVTEX.
NAVTEX STATION PASCUA OFF AIR. TALCAHUANO RADIO
ASSUMES NAVTEX CONTROL AND VALPARAISO PLAYA ANCHA
RADIO WILL TRANSMIT VIA SAFETYNET.

(090225Z DEC 2013)

3833/13(62).
GULF OF ADEN.
PIRACY.
M/V ATTACKED IN 12-52N 047-52E AT 090357Z DEC.
VESSELS ARE ADVISED TO KEEP CLEAR OF THIS POSITION
AND TO EXERCISE EXTREME CAUTION. REPORTS TO UKMTO DUBAI,
PHONE: 971 50 552 3215, E-MAIL: UKMTO@EIM.AE.

(090701Z DEC 2013)

3834/13(62).
GULF OF ADEN.
PIRACY.
M/V ATTACKED IN 12-50N 047-49E AT 090357Z DEC.
VESSELS ARE ADVISED TO KEEP CLEAR OF THIS POSITION
AND TO EXERCISE EXTREME CAUTION.
REPORTS TO IMB PIRACY REPORTING CENTER,
PHONE: 603 2031 0014, FAX: 603 2078 5769,
E-MAIL: IMBKL@ICC-CCS.ORG, PIRACY@ICC-CCS.ORG.

(090736Z DEC 2013)

3835/13(22).
EASTERN SOUTH PACIFIC.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 00-42.1S 099-39.5W.
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.

(090911Z DEC 2013)

3836/13(92).
PHILIPPINES.
SULU SEA.
1. CABLE LAYING OPERATIONS IN PROGRESS UNTIL 31 DEC
BY CABLESHIP SUBARO VICINITY OF TRACKLINE JOINING
10-49.7N 119-31.2E, 10-55.3N 119-39.5E,
10-52.2N 119-44.0E, 10-45.1N 120-19.9E,
10-35.9N 120-44.3E, 10-36.0N 121-21.9E,
10-48.0N 121-56.8E.
2. CANCEL THIS MSG 01 JAN 14.

(091014Z DEC 2013)

3837/13(83).
WESTERN SOUTH PACIFIC.
FIJI.
CHART 83570
VANUATAMBU LIGHT 19-02.0S 178-29.0E UNLIT.

(091020Z DEC 2013)

3838/13(94).
PHILIPPINE SEA.
TAIWAN-EAST COAST.
GUNNERY.
1. GUNNERY EXERCISES 1300Z TO 1600Z DAILY
12 AND 13 DEC IN AREA BOUND BY
24-42N 122-20E, 24-42N 122-38E,
23-52N 122-50E, 22-30N 122-50E,
22-06N 122-30E, 22-06N 120-52E,
22-25N 120-56E, 22-36N 121-38E.
2. CANCEL THIS MSG 131700Z DEC 13.

(091025Z DEC 2013)

3839/13 and 3840/13. CANCELED.

3841/13(63).
INDIA-EAST COAST.
BAY OF BENGAL.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0230Z TO 0730Z DAILY
11, 12, 16 AND 17 DEC IN AREA BOUND BY
16-30.0N 083-30.0E, 16-00.0N 084-15.0E,
15-20.0N 084-05.5E, 15-45.0N 083-30.0E.
2. CANCEL THIS MSG 170830Z DEC 13.

(091221Z DEC 2013)

3842/13(81).
WESTERN NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 09-11.1N 142-37.0E
AT 091241Z DEC. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO U.S. COAST GUARD SECTOR GUAM,
PHONE: 671 355 4824, E-MAIL: RCCGUAM@USCG.MIL.

(091553Z DEC 2013)

3843/13(76).
WESTERN SOUTH PACIFIC.
NEW ZEALAND-SOUTHEAST COAST.
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V POLARCUS ALIMA TOWING 12 4.5 MILE LONG CABLES
VICINITY OF TRACKLINE JOINING
42-20S 174-48E, 44-14S 173-48E,
45-10S 171-46E.
FOUR MILE BERTH REQUESTED.

(092142Z DEC 2013)

3844/13. CANCELED.

3845/13(63).
BAY OF BENGAL.
1. SURVEY OPERATIONS 15 DEC THRU 31 JAN 14
BY M/V FUGRO EQUINOX IN AREAS BOUND BY:
A. 19-12.43N 092-32.60E, 19-07.01N 092-32.60E,
19-07.01N 092-38.31E, 19-12.45N 092-38.30E.
B. 19-32.28N 092-06.66E, 19-26.86N 092-06.70E,
19-26.90N 092-12.41E, 19-32.31N 092-12.38E.
C. 19-33.70N 091-51.80E, 19-28.28N 091-51.83E,
19-28.31N 091-57.55E, 19-33.73N 091-57.51E.
THREE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 01 FEB 14.

(101021Z DEC 2013)

3846/13(94).
PHILIPPINE SEA.
TAIWAN-EAST COAST.
GUNNERY.
1. GUNNERY EXERCISES 120400Z TO 120600Z
AND 130300Z TO 130600Z DEC:
A. IN AREA BOUND BY
23-43.0N 122-05.0E, 23-43.0N 122-38.0E,
23-20.0N 122-38.0E, 23-00.0N 122-05.0E.
B. WITHIN 31 MILES OF 23-26.5N 122-21.5E.
2. CANCEL THIS MSG 130700Z DEC 13.

(101131Z DEC 2013)

3847/13. CANCELED.

3848/13(61).
SOUTHWESTERN INDIAN OCEAN.
SOUTH AFRICA.
1. SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY M/V POLARCUS NADIA TOWING 6000 METER LONG CABLE
IN AREA BOUND BY
34-27.1S 026-02.3E, 34-05.3S 025-53.7E,
34-04.2S 025-56.3E, 33-57.9S 025-53.8E,
33-52.5S 025-53.9E, 33-52.5S 026-16.2E,
34-04.7S 026-21.1E, 34-04.7S 026-22.5E,
34-26.7S 026-31.5E.
FIVE MILE BERTH REQUESTED.
2. CANCEL HYDROPAC 3839/13.
(101349Z DEC 2013)

3849/13(61).
NORTHERN MOZAMBIQUE CHANNEL.
MOZAMBIQUE.
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V POLARCUS ADIRA TOWING 9000 METER LONG
CABLE IN AREA BOUND BY
11-13S 040-56E, 11-13S 041-36E,
12-04S 041-43E, 12-04S 041-03E.
SEVEN MILE BERTH REQUESTED.
(101408Z DEC 2013)

3850/13(22).
EASTERN SOUTH PACIFIC.
PERU.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 121800Z TO 122200Z DEC
IN AREA BETWEEN
11-35S 11-55S AND 077-50W 078-10W.
2. CANCEL THIS MSG 122300Z DEC 13.
(101736Z DEC 2013)

3851/13 and 3852/13. CANCELED.

3853/13(62).
GULF OF SUEZ.
CHART 62191
PLATFORM HILAL-B ESTABLISHED IN 27-50.38N 033-43.16E.
(102059Z DEC 2013)

3854/13 and 3855/13. CANCELED.

3856/13(93).
SOUTH CHINA SEA.
F/V QNG 94982-TS, 11 PERSONS ON BOARD, DISABLED AND ADRIFT
DUE TO ENGINE FAILURE IN 17-50N 111-00E AT 102000Z DEC.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC VIETNAM,
PHONE: 844 3768 3050, FAX: 844 3768 3048,
E-MAIL: VMRCC@FPT.VN.
(110547Z DEC 2013)

3857/13(95).
YELLOW SEA.
GUNNERY.
1. GUNNERY EXERCISES 0001Z TO 0800Z DAILY
16 THRU 20 DEC IN AREA BOUND BY
35-15-00N 124-41-28E, 35-15-01N 125-36-10E,
34-50-00N 125-36-12E, 34-50-00N 124-41-31E.
2. CANCEL THIS MSG 200900Z DEC 13.
(111150Z DEC 2013)

3858/13(95).
YELLOW SEA.
GUNNERY.
1. GUNNERY EXERCISES 0001Z TO 0800Z DAILY
16 THRU 20 DEC IN AREA BOUND BY
36-34-58N 124-41-19E, 36-35-00N 125-36-00E,
36-05-01N 125-36-04E, 36-04-58N 124-41-23E.
2. CANCEL THIS MSG 200900Z DEC 13.
(111155Z DEC 2013)

3859/13(95).
YELLOW SEA.
GUNNERY.
1. GUNNERY EXERCISES 0001Z TO 0800Z DAILY
16 THRU 20 DEC IN AREA BOUND BY
36-35-00N 125-36-00E, 36-35-00N 124-50-00E,
37-04-21N 124-50-00E, 37-05-08N 125-36-00E.
2. CANCEL THIS MSG 200900Z DEC 13.

(111200Z DEC 2013)

3860/13(63).
INDIA-WEST COAST.
1. DERELICT 40 METER BARGE, BROWN HULL,
CAPSIZED AND ADRIFT VICINITY 18-47.98N 072-48.15E.
2. CANCEL THIS MSG 141230Z DEC 13.

(111231Z DEC 2013)

3861/13(63).
INDIA WEST-COAST.
ARABIAN SEA.
1. SEISMIC SURVEY 13 THRU 31 DEC BY M/V VYACHESLAV TIKHONOV
TOWING SIX 4.7 MILE LONG CABLES IN AREA BOUND BY
21-42.98N 068-33.88E, 21-50.11N 069-00.26E,
21-40.08N 069-01.75E, 21-33.20N 068-36.55E.
6.5 MILE BERTH REQUESTED.
2. CANCEL THIS MSG 01 JAN 14.

(111252Z DEC 2013)

3862/13(63,71).
NORTHERN INDIAN OCEAN.
BAY OF BENGAL.
1. DERELICT VESSEL, WHITE AND GRAY HULL WITH BLUE
STRIPE, PARTIALLY SUBMERGED AND ADRIFT VICINITY
06-07.8N 092-58.9E AT 110437Z DEC.
2. CANCEL THIS MSG 141517Z DEC 13.

(111515Z DEC 2013)

3863/13 thru 3865/13. CANCELED.

3866/13(93).
SOUTH CHINA SEA.
1. F/V BV6708TS REPORTS TWO PERSONS RECOVERED.
ONE PERSON MISSING IN 07-54N 107-06E AT
110800Z DEC. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC VUNGTAU, PHONE: 064 385 0950,
FAX: 064 381 0353.
2. CANCEL HYDROPAC 3865/13.

(120611Z DEC 2013)

3867/13(83).
EASTERN SOUTH PACIFIC.
1. NOAA BUOY 32412 ADRIFT IN 22-15S 134-09W AT
101300Z DEC. UPDATED POSITIONS CAN BE FOUND AT:
WWW.NDBC.NOAA.GOV/STATION_PAGE.PHP?STATION=32412.
2. CANCEL THIS MSG 150858Z DEC 13.

(120858Z DEC 2013)

3868/13(74).
AUSTRALIA-NORTHEAST COAST.
CHART 74263
ISOLATED DANGER BUOY 16-07.7S 145-31.2E UNLIT.

(120902Z DEC 2013)

3869/13(81).
WESTERN NORTH PACIFIC.
MARIANA ISLANDS.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 121400Z TO 122359Z DEC
WITHIN TEN MILES OF 16-01N 146-04E.
2. CANCEL THIS MSG 130059Z DEC 13.

(120905Z DEC 2013)

3870/13(81).
NORTH PACIFIC.
MARSHALL ISLANDS.
MISSILES.
1. HAZARDOUS OPERATIONS 170839Z TO 171639Z DEC,
ALTERNATE 190923Z TO 191723Z DEC:

A. IN AREA BOUND BY
09-17N 167-23E, 09-23N 167-33E,
09-32N 167-29E, 09-40N 167-37E,
09-56N 167-55E, 10-21N 168-40E,
09-39N 169-03E, 09-15N 168-18E,
09-09N 167-55E, 08-59N 167-34E.
B. WITHIN 18 MILES OF 12-38N 171-50E.
C. WITHIN 18 MILES OF 13-49N 171-31E.
D. WITHIN 18 MILES OF 14-29N 172-30E.
E. WITHIN 18 MILES OF 14-02N 173-48E.
F. WITHIN 18 MILES OF 12-48N 173-59E.
G. WITHIN 18 MILES OF 12-04N 173-00E.
2. CANCEL THIS MSG 191823Z DEC 13.

(120934Z DEC 2013)

3871/13. CANCELED.

3872/13(81).
WESTERN NORTH PACIFIC.
20 FOOT VESSEL, WHITE HULL, THREE PERSONS ON BOARD,
DISABLED AND ADRIFT IN 14-28.64N 145-15.13E AT
120800Z DEC. VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO
U.S. COAST GUARD SECTOR GUAM, PHONE: 671 355 4824,
E-MAIL: RCCGUAM@USCG.MIL.

(121052Z DEC 2013)

HYDROARCS

Messages in force 121600Z December 2013:

2010 series	160(42)	256(16,96)	132(15)	223(15)	281(15)
56(15)	2012 series	260(42)	133(15)	229(16)	282(GEN)
71(15)	112(15)	2013 series	171(GEN)	238(42)	284(GEN)
102(15)	160(15,16)	96(16,96)	186(15)	242(16)	285(42)
103(16,41)	193(15)	118(15)	187(15)	258(16)	286(15)
2011 series	220(GEN)	127(41)	216(16)	280(42)	

The summary of all HYDROARCS messages in force as of 19 December 2012 is given in Section III of NM 52/12. Warnings issued during the subsequent quarters are issued in NM 13/13, 26/13 and 39/13.

HYDROARCS WARNINGS issued from 051500Z to 121600Z December 2013.

283/13. CANCELED.

284/13(GEN).
GPS SATELLITE SYSTEM.
1. PRN 01 UNUSABLE 121400Z TO 131400Z DEC.
2. CANCEL THIS MSG 131500Z DEC 13.

(082153Z DEC 2013)

285/13(42).
ARCTIC.
BARENTS SEA.
ROCKETS.
1. HAZARDOUS OPERATIONS 0600Z TO 1110Z DAILY
13 THRU 16 DEC IN AREA BOUND BY
69-20N 051-10E, 69-00N 052-20E,
68-20N 050-30E, 68-30N 049-20E.
2. CANCEL THIS MSG 161210Z DEC 13.

(100551Z DEC 2013)

286/13(15).
ARCTIC.
CANADA-NORTHEAST COAST.
RADIO SERVICES.
1. IQALUIT MCTS CENTRE HF8 NBDP BROADCASTS OFF AIR FOR SEASON.
2. CANCEL HYDROARC 283/13.
3. CANCEL THIS MSG 20 DEC 13.

(111356Z DEC 2013)

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://msi.nga.mil/NGAPortal/MSI.portal), by referring to Section I (paragraph 49) of US Notice to Mariners 1/13 for those in-force as of 26 December 2012, or by contacting the Maritime Administration, Office of Security, Code MAR-420, Room W25-308, 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 12 December 2013: 00-7, 05-1, 06-1, 07-1, 10-6, 11-3, 11-5, 12-1, 13-1, 13-2, 13-3, 13-4 and 13-5.

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://msi.nga.mil/NGAPortal/MSI.portal) or by referring to Section I (paragraph 5) of US Notice to Mariners 1/13 for those in-force as of 26 December 2012.

SPECIAL WARNINGS in force 12 December 2013: 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: Print-on-Demand (POD) and traditional paper charts.
- Print-on-Demand (POD) charts are distributed by OceanGrafix (http://www.OceanGrafix.com), and East View Geospatial, Inc. (http://www.geospatial.com/Default.aspx?tabid=120)

- Civilian users may obtain traditional NOAA/NOS paper charts through a local NOAA chart agent at http://aeronav.faa.gov/agents.asp (Note that this is an FAA site that lists both aeronautical and nautical chart agents), and
- DOD and other authorized U.S. Government users may obtain traditional NOAA/NOS paper charts through the Defense Logistics Agency (DLA).

The Print-on-Demand Chart is available one to two days 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 x 105. Dates of Latest Editions for charts are listed at http://nauticalcharts.noaa.gov.

12237	28th Ed. Nov 2013 NEW EDITION	NAD 83	(NOS Silver Spring, MD)	
	VIRGINIA - RAPPAHANNOCK RIVER - Corrotoman River to Fredericksburg (New edition due to numerous Notice to Mariner changes)			1:40,000
18523	58th Ed. Nov 2013 NEW EDITION	NAD 83	(NOS Silver Spring, MD)	
	WEST COAST - OREGON - WASHINGTON - COLUMBIA RIVER - Harrington Point to Crims Island (New edition due to various general changes)			1:40,000

NEW EDITIONS OF SAILING DIRECTIONS

Pub. 157, Sailing Directions (Enroute) Coasts of Korea and China, Sixteenth Edition, 2013, is now available through electronic access at the Maritime Safety Web site (http://msi.nga.mil/NGAPortal/MSI.portal). This edition will be available on the Digital Nautical Publications-Quarterly Update, 4th Quarter 2013, DVD-ROM.

Pub. 157 has been corrected to 16 November 2013, including Notice to Mariners No. 46 of 2013.

Pub. 193, Sailing Directions (Enroute) Skagerrak and Kattegat, Fourteenth Edition, 2013, is now available through electronic access at the Maritime Safety Web site (http://msi.nga.mil/NGAPortal/MSI.portal). This edition will be available on the Digital Nautical Publications-Quarterly Update, 4th Quarter 2013, DVD-ROM.

Pub. 193 has been corrected to 23 November 2013, including Notice to Mariners No. 47 of 2013.

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://msi.nga.mil/NGAPortal/MSI.portal).

NEW EDITION OF WORLD PORT INDEX

Pub. 150, World Port Index, Twenty-third Edition 2014, is now available through electronic access at the Maritime Safety Web site (http://msi.nga.mil/NGAPortal/MSI.portal). This edition will be available on the Digital Nautical Publications-Quarterly Update, 4th Quarter 2013, DVD-ROM.

This publication has been corrected to 14 December 2013, including Notice to Mariners No. 50 of 2013.

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, Japan, 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, Japanese, 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

Japan Coast Guard and List of Agents Web sites: http://www1.kaiho.mlit.go.jp/jhd-E.html

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://msi.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, Japanese, 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	
14041	14XHA14019	Can. 4011	29/04	
14042	14XHA14020	Can. 4396	1/05	35/12
14043	14AHA14021	Can. 4116	8/05	42/08
14044	14AHA14022	Can. 4117	14/05	36/12
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	14AHA14035	Can. 4211	18/11	
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
14227	14XHA14215	Can. 1316	39/03	38/12
14240	14XHA14217	Can. 1236	43/03	38/12
14241	14XHA14218	Can. 1233	39/03	38/12
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	39/12
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. 3853	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. 3724	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. 3603	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	49/11
18406	18BHA18435	Can. 3481	23/07	36/12
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	1/12
35009	35ACO35004	UK 273	19/04	1/12
35009	35ACO35005	UK 278	23/04	4/07
35009	35ACO35006	UK 1191	24/04	8/13
35009	35ACO35010	UK 1192	28/04	12/06
35009	35ACO35013	UK 1409	23/04	35/13
35009	35ACO35014	UK 1407	23/04	33/09
35016	35ACO35015	UK 2635	26/06	31/12
35022	35ACO35017	UK 1128	16/08	21/12
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	42/12
35082	35BHA35037	UK 735	31/04	2/12
35084	35BHA35045	UK 1481	32/04	8/13
35086	35BHA35048	UK 736	32/04	11/13
35088	35BHA35050	UK 190	28/04	9/13
35100	35ACO35013	UK 1409	23/04	49/04
35101	35BHA35052	UK 223	33/04	3/12
35120	35ACO35055	UK 115	23/04	34/13
35130	35ACO35056	UK 1942	12/06	35/13
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	11/13
35155	35ACO35064	UK 1234	27/07	
35159	35ACO35065	UK 3271	30/07	39/10
35160	35ACO35066	UK 1233	27/07	11/13
35163	35ACO35067	UK 3272	27/07	
35166	35ACO35068	UK 3283	27/07	39/10
35169	35ACO35071	UK 3281	29/07	25/13
35170	35ACO35072	UK 3282	30/07	25/13

35200	35ACO35001	UK 1954	28/04	33/09
35205	35ACO35073	UK 2720	27/07	10/13
35210	35ACO35074	UK 1785	27/07	6/08
35220	35ACO35075	UK 2721	37/07	8/13
35230	35ACO35078	UK 1794	24/07	27/13
35236	**35AHA35079**	UK 2207	28/07	39/10
35237	35AHA35089	UK 2208	30/07	25/13
35239	**35AHA35090**	UK 2210	28/07	18/13
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	17/13
35255	**35AHA35096**	UK 2171	30/07	
35256	35AHA35097	UK 2390	24/07	35/13
35260	35ACO35104	UK 2722	27/07	8/13
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	51/12
35279	35BHA35115	UK 2397	29/06	
35295	35BHA35116	UK 2481	22/06	42/12
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	8/13
35308	35ACO35127	UK 2198	25/06	44/12
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	10/13
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	17/13
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	44/12
36063	36BHA36009	UK 1447	12/07	9/13
36081	36BHA36011	UK 1753	7/07	11/13
36098	36AHA36012	UK 2221	47/05	
36103	36BHA36014	UK 2126	9/07	
36104	36BHA36016	UK 2220	6/07	
36106	36BHA36017	UK 2131	47/05	38/11
36108	36BHA36018	UK 2000	4/06	13/12
36110	36BHA36019	UK 2007	8/06	18/11
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	24/13
36127	36BHA36030	UK 3746	32/06	13/12
36128	36BHA36030	UK 3746	32/06	13/12
36137	36AHA36032	UK 1478	39/04	37/13
36138	36AHA36033	UK 3275	39/04	34/13
36139	36BHA36034	UK 3274	39/04	35/13
36140	36ACO36035	UK 1178	39/04	10/13
36141	36BHA36036	UK 2878	41/04	37/13
36161	36BHA36039	UK 1152	52/04	45/12
36162	36BHA36041	UK 1182	1/05	45/12
36163	36BHA36042	UK 1176	1/05	40/13
36165	36BHA36044	UK 1165	17/05	52/12
36180	36ACO36049	UK 2565	27/05	9/13
37043	37AHA37003	UK 1267	15/06	
37044	37AHA37004	UK 30	25/05	39/10
37045	37AHA37006	UK 1901	25/05	34/13
37046	37AHA37007	UK 1613	34/05	25/13
37047	37XHA37008	UK 1902	25/05	22/13
37060	36ACO36050	UK 442	25/05	
37075	37ACO37015	UK 2454	25/08	1/12
37079	37AHA37016	UK 2625	32/05	34/13
37081	37AHA37017	UK 2045	32/05	25/13
37083	37AHA37019	UK 2037	25/05	31/13
37084	37AHA37020	UK 2036	5/06	27/13
37086	37AHA37021	UK 2631	31/05	18/13
37119	37AHA37027	UK 1698	8/06	8/13
37122	37AHA37028	UK 1828	19/05	40/13
37141	37AHA37040	UK 1607	9/05	10/13
37145	37AHA37051	UK 1185	37/04	52/08
37147	37BHA37052	UK 1975	36/04	5/12
37150	37ACO37055	UK 1504	37/04	40/13
37170	37ACO37057	UK 1503	38/04	8/08
37175	37ACO37058	UK 1187	38/04	8/08
37180	37ACO37059	UK 1190	38/04	18/11
37182	37AHA37062	UK 109	38/04	33/09
37183	37BHA37066	UK 1188	6/05	37/13
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	26/13
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	25/13
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
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	25/13
75173	75AHA75174	Aus. 158	18/06	
75175	75AHA75178	Aus. 154	18/06	24/13
75261	75AHA75274	Aus. 808	11/07	
75264	75AHA75269	Aus. 201	12/07	
75264	75AHA75267	Aus. 202	48/06	
75265	75AHA75266	Aus. 197	17/07	
95261	95BCO95263	Jpn. W145	9/12	
95264	95BHA95266	Jpn. W1155A	5/12	
95268	95BHA95122	Jpn. W1162A	52/12	
95271	95BHA95277	Jpn. W1183	5/13	
95272	95BHA95278	Jpn. W1162B	1/13	
95273	95BHA95279	Jpn. W1197	5/12	
95276	95BHA95284	Jpn. W1193	46/10	

95282	95BHA95288	Jpn. W1167	10/11	
95285	95BHA95289	Jpn. W1166	29/12	
95342	95AHA95339	Jpn. W1265	46/12	
96940	96BHA96933	Jpn. W7	51/12	
96942	96BHA96931	Jpn. W5	21/11	
96961	96BHA96951	Jpn. W1033A	46/10	
97041	97BHA97044	Jpn. W65	21/11	38/12
97042	97XHA97045	Jpn. W71	46/11	
97043	97XHA97046	Jpn. W1091	45/11	12/12
97060	97ACO97050	Jpn. W54	46/11	1/13
97063	97XHA97054	Jpn. W1099	16/13	
97063	97XHA97058	Jpn. W1093	36/13	
97064	97BHA97055	Jpn. W1100	39/12	
97082	97BHA97084	Jpn. W64A	9/12	
97083	97BHA97085	Jpn. W64B	9/12	
97108	97BHA97095	Jpn. W1049	38/12	30/13
97141	97BHA97132	Jpn. W1067	52/12	
97143	97AHA97133	Jpn. W1062	11/11	
97144	97AHA97134	Jpn. W1081	9/11	52/12
97146	97AHA97135	Jpn. W1083	46/10	
97148	97XHA97136	Jpn. W1085	18/11	
97149	97AHA97137	Jpn. W66	46/10	
97150	97XHA97139	Jpn. W67	46/10	
97151	97AHA97168	Jpn. W1061	21/11	
97154	97BHA97171	Jpn. W1042	52/11	
97155	97AHA97172	Jpn. W1065	21/11	
97156	97BHA97173	Jpn. W92	49/11	
97181	97BHA97089	Jpn. W1051	42/12	
97182	97BHA97090	Jpn. W1053	21/12	
97183	97BHA97028	Jpn. W95	16/13	
97184	97BHA97030	Jpn. W1055A	49/11	37/13
97185	97BHA97031	Jpn. W1057B	49/11	
97188	97BHA97033	Jpn. W1052	38/12	
97189	97BHA97034	Jpn. W1055B	49/11	
97204	97AHA97191	Jpn. W131	11/11	
97218	97BHA97216	Jpn. W134B	37/13	
97220	97AHA97197	Jpn. W1103	29/12	
97221	97AHA97198	Jpn. W106	11/11	
97225	97AHA97210	Jpn. W150A	46/11	
97226	97XHA97211	Jpn. W1110	3/12	
97227	97XHA97212	Jpn. W1146	30/13	
97229	97AHA97214	Jpn. W101A	29/12	
97230	97AHA97215	Jpn. W101B	20/12	
97233	97BHA97252	Jpn. W153	12/11	
97234	97BHA97253	Jpn. W137A	45/11	
97235	97BHA97254	Jpn. W165	27/13	
97236	97BHA97255	Jpn. W137B	46/11	
97237	97BHA97256	Jpn. W1121	6/12	
97241	97BHA97259	Jpn. W1124	21/11	
97261	97BHA97293	Jpn. W141	12/11	49/11
97262	97BHA97294	Jpn. W104	12/11	
97263	97BHA97295	Jpn. W132	9/11	
97263	97BHA97965	Jpn. W1361	45/11	
97272	97BHA97306	Jpn. W126	46/11	
97274	97AHA97308	Jpn. W127	9/11	
97277	97AHA97311	Jpn. W1102	40/13	
97280	97BHA97315	Jpn. W1106	45/11	

97285	97AHA97319	Jpn. W1262	11/11	45/12
97286	97AHA97321	Jpn. W1263	11/11	52/12
97287	97AHA97322	Jpn. W1264	11/11	
97303	97BHA97324	Jpn. W110	6/12	
97340	97ACO97327	Jpn. W1221	42/13	
97360	97ACO97333	Jpn. W1222	40/13	
97383	97BHA97337	Jpn. W206	3/12	
97410	97XHA97358	Jpn. W166	6/12	
97465	97BHA97370	Jpn. W222A	49/11	
97466	97AHA97371	Jpn. W243	13/12	
97469	97AHA97373	Jpn. W228B	48/11	
97481	97BCO97375	Jpn. W1205	49/11	
97563	97AHA97568	Jpn. W50	4/12	

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 43 (Worldwide Navigational Warning 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) _____

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User Feedback (continue on additional sheets as necessary)

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NGA
PERMIT NO. G-2

MARITIME SAFETY OFFICE
MAIL STOP N64-SH
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
7500 GEOINT DRIVE
SPRINGFIELD, VA 22150-7500

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): _____

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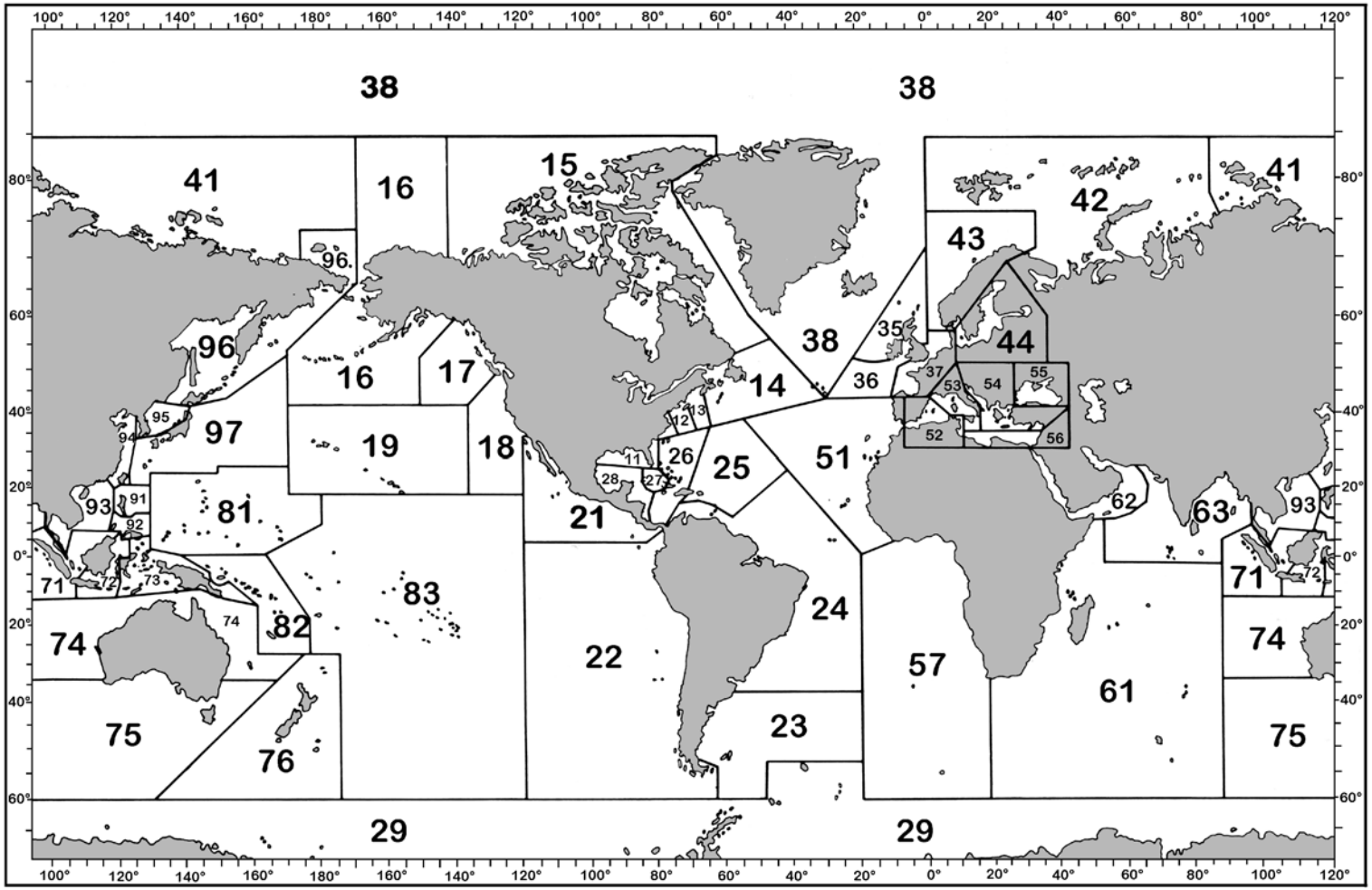

GEOGRAPHIC LOCATOR

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