No. 28

13 JULY 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. Marine Information Report and Suggestion sheets received during the past week were submitted by the following observers:

Observer	**Ship/Organization**
Capt. Walter Hardman, Master	OSG Intrepid
Second Officer Jim Byrne	USNS RICHARD E. BYRD

Cover Photo: USS LEYTE GULF (CG-55) is the ninth *Ticonderoga-class* AEGIS Guided Missile Cruiser and the eighth built by Ingalls Shipbuilding in Pascagoula, MS. She commemorates the largest naval battle in modern history, fought 23-26 October 1944 in the Philippines. The battle marked the end of centuries of naval warfare tradition employing battleships, and was showcased by three separate primary engagements: The Battle of Surigao Straits, the Battle off Samar Island, and the Battle of Cape Engano. Called the last of the great sea battles, the Battle of Leyte Gulf used every known weapon of naval war, except mines, and in sheer destruction the battle has no rival in naval history. *Ticonderoga-class* cruisers are multi-mission surface combatants [Air Warfare (AW), Undersea Warfare (USW), Naval Surface Fire Support (NSFS) and Surface Warfare (SUW)] capable of supporting carrier battle groups, amphibious forces, or of operating independently and as flagships of surface action groups. **LEYTE GULF** is 567 feet in length, has a beam of 55 feet, displaces 9600 tons fully loaded and is powered by four General Electric LM 2500 gas turbine engines that provide 80,000 shaft horsepower total. Her armament includes the MK-41 vertical launching system Standard Missile; Vertical Launch ASROC Missile; Tomahawk Cruise Missile; six MK-46 torpedoes (from two triple mounts); two MK-45 5-inch/54 caliber lightweight guns and two Phalanx close-in-weapons systems. She also employs two SH-60 Seahawk (LAMPS III) helicopters. The homeport of **USS LEYTE GULF** is Norfolk, VA.

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 28/13

13 July 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.

NGA CHART NEW EDITIONS AND THEIR AVAILABILITY

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

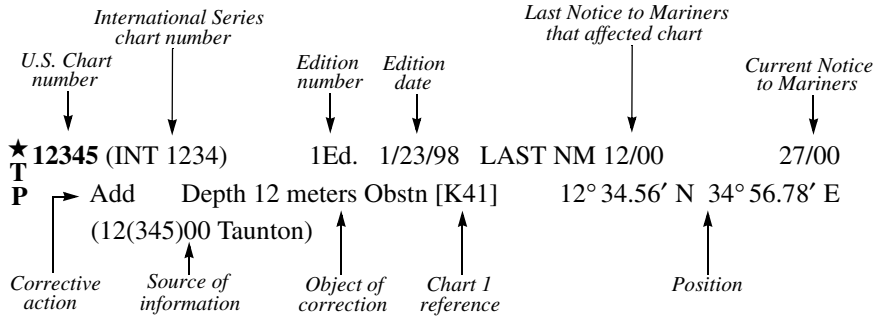
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY'S IMPLEMENTATION OF A HARDCOPY TO DIGITAL TRANSITION STRATEGY

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.

501 (INT 801) 13Ed. 6/09 LAST NM 17/13 28/13
Delete Light symbol 40° 26′ N 124° 24′ W
(23/13 CG11)

530 33Ed. 10/10 LAST NM 17/13 28/13
Delete Light 40° 27′ N 124° 24′ W
(23/13 CG11)

★11330 22Ed. 4/13 NEW EDITION 28/13
Delete Submerged platform (ruins) (PA) 28° 09.4′ N 92° 47.9′ W
Submerged platform (ruins) (PA) 28° 23.1′ N 92° 45.0′ W
(Previously published 20/13)

Delete Platform 28° 17.2′ N 93° 06.1′ W
(Previously published 25/13)

Add Danger circle "Obstn" [K40] (PA) 29° 34.4′ N 93° 03.2′ W
(Previously published 25/13)

Substitute Platform [L10] for submerged well (cov 144ft) and buoy 28° 30.5′ N 93° 09.5′ W
Platform [L10] for submerged well (cov 138ft) and buoy 28° 34.1′ N 92° 46.9′ W
(Previously published 27/13)
(NOS)

11477 6Ed. 2/15/97 LAST NM N8/13 N28/13
Add Tabulation of controlling depths from Subsection I-2
(Supersedes N39/12-11477)
(NOS)

★11481 8Ed. 4/13 NEW EDITION 28/13
(NOS)

★11512 63Ed. 4/13 NEW EDITION 28/13
Add Dangerous wreck [K28] 31° 53′ 42.0″N 80° 51′ 24.0″W
(Previously published 26/13)
(NOS)

★11537 39Ed. 4/13 LAST NM 24/13 28/13
(Left Panel)
Add Tabulation of controlling depths from Subsection I-2
(NOS)

11547 38Ed. 9/11 LAST NM 24/13 28/13
Add Tabulation of controlling depths from Subsection I-2
(Supersedes 12/13-11547)
(NOS)

★12327 105Ed. 4/12 LAST NM 27/13 28/13
Add Tabulations (2) of controlling depths from Subsection I-2
(See 4/13, 18/13-12327)
(NOS)

12331 32Ed. 1/10 LAST NM 4/13 28/13
Add Tabulation of controlling depths from Subsection I-2
(Supersedes 4/13-12331)
(NOS)

12332 23Ed. 11/10 LAST NM 4/13 28/13
Add Tabulation of controlling depths from Subsection I-2
(Supersedes 4/13-12332)
(NOS)

12333 37Ed. 12/12 LAST NM 19/13 28/13
Add Tabulation of controlling depths from Subsection I-2
(NOS)

12334 71Ed. 6/11 LAST NM 27/13 28/13
Add Tabulation of controlling depths from Subsection I-2
(Supersedes 1/12-12334)
(NOS)

★13272 52Ed. 4/12 LAST NM 25/13 28/13
Delete Buoy "C" 42° 21′ 26.8″N 71° 02′ 38.7″W
(25/13 CG1)

16016 22Ed. 8/12 LAST NM 44/12 28/13
Substitute Depth 68 fathoms for 168 fathoms 57° 56.7′ N 136° 45.9′ W
(NOS)

★16220 6Ed. 5/13 NEW EDITION 28/13
Delete Depth 18.3 meters, blue tint and enclosing depth contours (20-meter and 30-meter) centered 65° 23.7′ N 168° 27.5′ W
(Previously published 21/13)
(NOS)

18007 33Ed. 2/09 LAST NM 27/13 28/13
Delete Light 40° 26.6′ N 124° 24.5′ W
(23/13 CG11)

18008 8Ed. 7/28/07 LAST NM N20/13 N28/13
Delete Light 40° 26.5′ N 124° 24.1′ W
(23/13 CG11)

18010 22Ed. 9/12 LAST NM 27/13 28/13
Delete Light 40° 26.3′ N 124° 24.3′ W
(23/13 CG11)

18020 39Ed. 1/12 LAST NM 20/13 28/13
Delete Light 40° 26.3′ N 124° 24.3′ W
(23/13 CG11)

18620 24Ed. 2/12 LAST NM 20/13 28/13
Delete Light 40° 26.4′ N 124° 24.4′ W
(23/13 CG11)

★18623 12Ed. 1/12 LAST NM 10/12 28/13
Delete Light 40° 26′ 23.2″N 124° 24′ 21.6″W
(23/13 CG11)

18652 36Ed. 2/11 LAST NM 27/13 28/13
(Page C, Inset Benicia)
Change Legend to "36 FT APR 2013" 38° 02′ 09″N 122° 07′ 48″W
(NOS)

18656 56Ed. 8/10 LAST NM 21/13 28/13
Change Legend to "36 FT APR 2013"
38° 02′ 08.5″N 122° 07′ 47.5″W
(NOS)

★18657 19Ed. 11/05 LAST NM 45/12 28/13
Change Legend to "36 FEET FOR WIDTH OF 400 FT APR 2013" 38° 02′ 08.5″N 122° 07′ 47.8″W
(NOS)

18660 3Ed. 9/05 LAST NM 45/12 28/13
(Lower Panel)
Delete Purple dashed-line area in vicinity
38° 05′ 23.2″N 121° 42′ 34.2″W

Legend "RESTRICTED ANCHORAGE AREA 162.205 (see note A)"
38° 05′ 32.0″N 121° 42′ 50.0″W
(NOS)

18661 30Ed. 3/09 LAST NM 11/13 28/13
(Side A)
Delete Purple dashed-line area in vicinity
38° 05′ 36.1″N 121° 42′ 33.5″W

Legend "RESTRICTED ANCHORAGE AREA 162.205 (see note A)"
38° 05′ 30.7″N 121° 43′ 10.1″W

(continued on next page)

18661 (Continued)
(Side B)
Delete Purple dashed-line area in vicinity
38° 05′ 13.3″N 121° 42′ 42.1″W

Legend "RESTRICTED ANCHORAGE AREA 162.205 (see note A)"
38° 05′ 30.7″N 121° 43′ 10.1″W
(NOS)

18740 43Ed. 7/11 LAST NM 27/13 28/13
Delete Buoy 32° 47.3′ N 117° 16.6′ W

Add Wreck [K29] 32° 46.3′ N 117° 17.1′ W
(22/13 CG11)

18741 20Ed. 12/1/12 LAST NM N27/13 N28/13
Delete Buoy 32° 47.3′ N 117° 16.6′ W

Add Wreck [K29] 32° 46.3′ N 117° 17.1′ W
(22/13 CG11)

18746 38Ed. 11/09 LAST NM 26/13 28/13
Change Height of light "1" to 30ft 33° 20′ 43″N 118° 19′ 19″W
Height of light "2" to 30ft 33° 20′ 55″N 118° 19′ 27″W
(23/13 CG11)

18749 43Ed. 4/10 LAST NM 20/13 28/13
Delete Buoy 33° 43′ 27.6″N 118° 15′ 54.4″W
Buoy 33° 43′ 37.2″N 118° 15′ 57.9″W
Buoy 33° 43′ 45.3″N 118° 16′ 00.5″W
(23/13 CG11)

★18751 46Ed. 8/09 LAST NM 20/13 28/13
Delete Buoy 33° 43′ 27.5″N 118° 15′ 54.5″W
Buoy 33° 43′ 37.1″N 118° 15′ 57.9″W
Buoy 33° 43′ 45.2″N 118° 16′ 00.5″W
(23/13 CG11)

★18757 11Ed. 9/04 LAST NM 9/08 28/13
Change Height of light "1" to 30ft 33° 20′ 42″N 118° 19′ 19″W
Height of light "2" to 30ft 33° 20′ 54″N 118° 19′ 27″W

(Inset Avalon Bay)
Change Height of light "1" to 30ft 33° 20′ 42.3″N 118° 19′ 19.2″W
Height of light "2" to 30ft 33° 20′ 54.0″N 118° 19′ 25.8″W
(23/13 CG11)

18760 8Ed. 12/8/12 LAST NM N27/13 N28/13
Add Wreck [K29] 32° 46.3′ N 117° 17.1′ W
(22/13 CG11)

★18765 17Ed. 11/10 LAST NM 23/13 28/13
Delete Buoy 32° 47′ 19″N 117° 16′ 42″W

Add Wreck [K29] 32° 46′ 21″N 117° 17′ 07″W
(22/13 CG11)

18766 7Ed. 11/26/83 LAST NM 23/13 28/13
Delete Buoy 32° 47′ 20″N 117° 16′ 39″W

Add Wreck [K29] 32° 46′ 21″N 117° 17′ 07″W
(22/13 CG11)

18768 6Ed. 12/1/12 LAST NM N23/13 N28/13
Delete Buoy 32° 47.3′ N 117° 16.6′ W

Add Wreck [K29] 32° 46.3′ N 117° 17.1′ W
(22/13 CG11)

18774 12Ed. 7/11 LAST NM 9/13 28/13
Change Height of light "1" to 30ft 33° 20′ 43″N 118° 19′ 18″W
Height of light "2" to 30ft 33° 20′ 55″N 118° 19′ 25″W
(23/13 CG11)

24434 4Ed. 10/29/94 LAST NM 19/12 28/13
Delete Depth 8.2 meters, blue tint and enclosing depth contour (10-meter) in vicinity
10° 15′ 26″N 64° 33′ 14″W

Add Depth 13 meters enclosed by depth contour (20-meter) centered 10° 15′ 23″N 64° 33′ 18″W
(20(2213)13 Taunton)

24435 5Ed. 10/29/94 LAST NM 19/12 28/13
Delete Depth 8.2 meters, blue tint and enclosing depth contour (10-meter) in vicinity
10° 15′ 26.0″N 64° 33′ 10.3″W

Depth 11.9 meters 10° 14′ 57.9″N 64° 38′ 55.9″W

Add Depth 13 meters enclosed by depth contour (20-meter) centered 10° 15′ 23.4″N 64° 33′ 18.0″W
(20(2213)13 Taunton)

28170 1Ed. 7/23/94 LAST NM 30/12 28/13
Add Buoy RW, pillar, ball topmark, Mo(A) 6s [Q130.5] 15° 51′ 52.8″N 87° 57′ 57.0″W
(21(2334)13 Taunton)

44048 13Ed. 1/12/13 LAST NM N18/13 N28/13
Delete Sector limits from light 56° 18′ 08″N 12° 26′ 48″E
(NGA)

51160 21Ed. 12/3/05 LAST NM 52/12 28/13
Add Depth 684 meters "Rep (2007)" [I3.2] enclosed by dotted-line circle centered
36° 09.5′ N 7° 17.8′ W
Depth 340 meters "Rep (2007)" [I3.2] enclosed by dotted-line circle centered
36° 25.4′ N 6° 54.2′ W
Depth 325 meters "Rep (2007)" [I3.2] enclosed by dotted-line circle centered
36° 21.3′ N 6° 54.2′ W
Depth 314 meters "Rep (2007)" [I3.2] enclosed by dotted-line circle centered
36° 22.5′ N 6° 58.5′ W
Depth 349 meters "Rep (2007)" [I3.2] enclosed by dotted-line circle centered
36° 19.0′ N 7° 02.0′ W
(NTM0015/2013)

51168 2Ed. 6/25/94 LAST NM 52/12 28/13
Add Depth 340 meters "Rep (2007)" [I3.2] enclosed by dotted-line circle centered
36° 25′ 24″N 6° 54′ 12″W
Depth 325 meters "Rep (2007)" [I3.2] enclosed by dotted-line circle centered
36° 21′ 18″N 6° 54′ 12″W
Depth 314 meters "Rep (2007)" [I3.2] enclosed by dotted-line circle centered
36° 22′ 30″N 6° 58′ 30″W
(NTM0015/2013)

51580 13Ed. 11/9/96 LAST NM 19/11 28/13
Add Depth 119 meters "Rep (2007)" [I3.2] enclosed by dotted-line circle centered
12° 00.8′ N 17° 25.0′ W
Depth 119 meters "Rep (2007)" [I3.2] enclosed by dotted-line circle centered
11° 51.8′ N 17° 22.3′ W
Depth 20 meters "Rep (2007)" [I3.2] enclosed by dotted-line circle centered
9° 59.0′ N 16° 05.3′ W
(NTM0015/2013)

55103 3Ed. 10/25/08 LAST NM N25/13 N28/13
Change Range light, rear to QG (Occas)
44° 34′ 51.2″N 33° 23′ 59.2″E
(46(6938)12 St. Petersburg)

55104 2Ed. 4/20/96 LAST NM 26/13 28/13
Change Range light, rear to QG (Occas) 44° 34′ 51″N 33° 23′ 59″E
(46(6938)12 St. Petersburg)

55128 3Ed. 8/23/08 LAST NM N23/13 N28/13
Delete Dashed line joining 44° 43′ 20.3″N 37° 48′ 54.8″E
44° 43′ 13.8″N 37° 48′ 48.4″E
44° 43′ 19.1″N 37° 49′ 03.8″E

(continued on next page)

55128 (Continued)
Legend "Works in progress (2002)"
44° 43′ 32.8″N 37° 48′ 54.8″E
Legend "Works in progress (2007)"
44° 43′ 15.5″N 37° 48′ 28.1″E

Add Land tint to area bound by shore and solid line
[F13] joining 44° 43′ 20.3″N 37° 48′ 54.8″E
44° 43′ 17.5″N 37° 48′ 56.9″E
44° 43′ 14.6″N 37° 48′ 49.7″E
44° 43′ 13.3″N 37° 48′ 50.2″E
and delete land tint seaward of above area

(Plan)
Delete Dashed line joining 44° 43′ 20.3″N 37° 48′ 54.8″E
44° 43′ 13.8″N 37° 48′ 48.4″E
44° 43′ 19.1″N 37° 49′ 03.8″E

Legend "Works in progress (2002)"
44° 43′ 25.1″N 37° 49′ 00.0″E
Legend "Works in progress (2007)"
44° 43′ 18.0″N 37° 48′ 47.5″E

Add Land tint to area bound by shore and solid line
[F13] joining 44° 43′ 20.3″N 37° 48′ 54.8″E
44° 43′ 17.5″N 37° 48′ 56.9″E
44° 43′ 14.6″N 37° 48′ 49.7″E
44° 43′ 13.3″N 37° 48′ 50.2″E
and delete all hydrography within above area
and delete land tint seaward of above
(42(5254)11 St. Petersburg; UKHO ARCS 3316-0)

62333 1Ed. 10/27/12 LAST NM N27/13 N28/13
Add Light QG 3m 5M 19° 40′ 47″N 57° 42′ 29″E
Light QR 3m 5M 19° 41′ 10″N 57° 43′ 37″E
(NTM0011/2013)

62343 4Ed. 10/7/06 LAST NM 27/13 28/13
Change Characteristic of superbuoy "No 3" to Fl(3) 10s
23° 39′ 07.0″N 58° 31′ 42.1″E
(28(3679)08 Taunton)

62355 7Ed. 10/7/06 LAST NM 27/13 28/13
Change Characteristic of superbuoy "No 3" to Fl(3) 10s
23° 39′ 07″N 58° 31′ 42″E
(28(3679)08 Taunton)

62360 5Ed. 3/11/95 LAST NM 27/13 28/13
Add Solid line (breakwater) [F4.1] between
23° 48.4′ N 57° 34.1′ E
23° 48.5′ N 57° 34.3′ E

Light Fl(3) 10s 4m 5M 23° 48.5′ N 57° 34.3′ E
(3(7)11 Muscat; UKHO ARCS 3511-0; UKHO LL)

62361 2Ed. 6/15/96 LAST NM N27/13 N28/13
Add Solid line (breakwater) [F4.1] between
23° 48.4′ N 57° 34.1′ E
23° 48.5′ N 57° 34.3′ E

Light Fl(3) 10s 4m 5M 23° 48.5′ N 57° 34.3′ E
(3(7)11 Muscat; UKHO ARCS 3511-0; UKHO LL)

62362 1Ed. 11/29/97 LAST NM 31/10 28/13
Delete Legend "Works in progress (2010)"
23° 48′ 26″N 57° 34′ 20″E

Add Solid line (breakwater) [F4.1] joining
23° 48′ 22″N 57° 34′ 04″E
23° 48′ 27″N 57° 34′ 06″E
23° 48′ 30″N 57° 34′ 11″E
23° 48′ 30″N 57° 34′ 15″E
23° 48′ 31″N 57° 34′ 20″E

Solid line (breakwater) [F4.1] joining
23° 48′ 18″N 57° 34′ 14″E
23° 48′ 23″N 57° 34′ 15″E
23° 48′ 27″N 57° 34′ 15″E

Light Fl(3) 10s 4m 5M 23° 48′ 31″N 57° 34′ 20″E
(3(7)11 Muscat; UKHO ARCS 3511-0; UKHO LL)

63005 18Ed. 2/26/94 LAST NM 27/13 28/13
Delete Danger circle, blue tint and legend "Discolored water Rep (1919)" 12° 09.9′ N 73° 21.0′ E
Depth 225 meters "Rep (1975)" and enclosing depth contour (1000-meter) in vicinity
10° 40.3′ N 72° 32.0′ E

Substitute Depth 38 meters for 36 meters "Rep (1966)"
13° 23.7′ N 73° 43.1′ E
(24(275)12, 1(33)13 Dehra Dun)

63015 11Ed. 2/4/84 LAST NM 2/13 28/13
Relocate Light from 14° 15.5′ N 80° 07.8′ E to
14° 17.1′ N 80° 08.3′ E
(24(280)12 Dehra Dun)

63065 6Ed. 2/17/96 LAST NM 34/12 28/13
Change Light to Fl(3) 10s 30m 12M Racon (B)
22° 57′ 40″N 70° 26′ 38″E
(1(31)13 Dehra Dun)

63091 4Ed. 3/12/83 LAST NM 27/13 28/13
Add Foul ground symbol [K31] 21° 36′ 46″N 72° 28′ 17″E
(1(32)13 Dehra Dun)

63120 2Ed. 9/19/81 LAST NM 47/12 28/13
Add V-AIS [S18.1] to dangerous wreck 12° 47.9′ N 74° 44.4′ E
(24(273)12 Dehra Dun)

63121 6Ed. 1/14/06 LAST NM 27/13 28/13
Add V-AIS [S18.1] to dangerous wreck
12° 47′ 55″N 74° 44′ 25″E
(24(273)12 Dehra Dun)

63150 1Ed. 5/3/86 LAST NM 27/13 28/13
(Panel B)
Delete Depth 225 meters "Rep (1975)" and enclosing depth contour (500-meter) in vicinity
10° 40.3′ N 72° 32.0′ E
(24(275)12 Dehra Dun)

63200 5Ed. 1/29/94 LAST NM 42/12 28/13
Add V-AIS [S18.2] to buoy 10° 08.2′ N 76° 02.9′ E
(See 34/12-63200)
(24(273)12 Dehra Dun)

63201 11Ed. 8/15/09 LAST NM N52/12 N28/13
Add Radio mast symbol [E28] 9° 58′ 22.8″N 76° 16′ 48.0″E
Cupola symbol [E10.4] 9° 58′ 37.2″N 76° 16′ 41.4″E

(Plan)
Add Radio mast symbol [E28] 9° 58′ 22.8″N 76° 16′ 48.0″E
Cupola symbol [E10.4] 9° 58′ 37.2″N 76° 16′ 41.4″E
(2(45)13 Dehra Dun)

63205 3Ed. 8/4/07 LAST NM N42/12 N28/13
Add V-AIS [S18.2] to buoy 10° 08′ 12″N 76° 02′ 54″E
(See N34/12-63205)
(24(273)12 Dehra Dun)

63270 7Ed. 9/1/84 LAST NM 23/13 28/13
Relocate Light from 14° 14.9′ N 80° 07.7′ E to
14° 17.1′ N 80° 08.3′ E
(24(280)12 Dehra Dun)

63271 9Ed. 3/3/07 LAST NM N23/13 N28/13
Change Characteristic of Racon at light to (K)
13° 15′ 16″N 80° 21′ 09″E
(24(279)12 Dehra Dun)

63330 9Ed. 4/13/91 LAST NM 8/12 28/13
Add Depth 10.4 meters Wk [K26] 22° 18.2′ N 91° 43.1′ E
Depth 6.3 meters Wk [K26] 22° 08.0′ N 91° 45.8′ E
Depth 3.2 meters Wk [K26] 22° 21.3′ N 91° 44.5′ E
(13(1409)13 Taunton)

63337 16Ed. 2/18/06 LAST NM 8/12 28/13
Add Depth 10.4 meters Wk [K26] 22° 18′ 12″N 91° 43′ 05″E
Depth 6.3 meters Wk [K26] 22° 08′ 01″N 91° 45′ 46″E

(Plan)
Add Depth 2.5 meters Wk [K26] 22° 15′ 26.4″N 91° 45′ 54.6″E
Depth 3.6 meters Wk [K26] 22° 15′ 11.4″N 91° 45′ 49.2″E
Depth 3.4 meters Wk [K26] 22° 14′ 09.6″N 91° 46′ 31.2″E
(13(1409)13 Taunton)

63420 2Ed. 10/10/87 LAST NM 15/12 28/13
Add Depth 6.1 meters Wk [K26] 14° 29.1′ N 97° 46.5′ E
(4(65)13 Dehra Dun)

71058 3Ed. 5/19/07 LAST NM N17/11 N28/13
Delete Buoy 5° 22′ 33.0″N 100° 19′ 09.6″E
(74/12 Malaysia)

71059 2Ed. 7/14/07 LAST NM N17/11 N28/13
Delete Buoy 5° 22′ 33.0″N 100° 19′ 09.6″E
(74/12 Malaysia)

74004 2Ed. 2/11/95 LAST NM 15/13 28/13
Add Depth 1330 meters "Rep (2007)" [I3.2]
enclosed by dotted-line circle centered
19° 43.7′ S 154° 44.1′ E
(NTM0015/2013)

76110 5Ed. 4/4/98 LAST NM 43/10 28/13
Add Wreck [K29] 44° 28.3′ S 167° 49.1′ E
(9(83)13 Wellington)

76171 10Ed. 8/22/98 LAST NM 42/12 28/13
Relocate Beacon "W. Otumoetai" from
37° 39′ 05.6″S 176° 08′ 55.2″E to
37° 39′ 05.4″S 176° 08′ 51.0″E
(11(112)13 Wellington)

76180 1Ed. 7/31/93 LAST NM 10/13 28/13
Add Wreck [K29] 44° 28.3′ S 167° 49.1′ E
(9(83)13 Wellington)

83567 3Ed. 8/7/93 LAST NM 21/09 28/13
(Plan)
Delete Legend "Vuna Wharf" 21° 07′ 50.0″S 175° 11′ 55.0″W

Add Light Fl R 21° 07′ 48.8″S 175° 11′ 47.9″W
Light Fl G 21° 07′ 46.2″S 175° 11′ 51.0″W
Legend "Vuna Wharf" 21° 07′ 58.5″S 175° 11′ 54.5″W

Land tint to area (wharf) [F13] bound by shore
and solid line joining 21° 08′ 00.0″S 175° 11′ 48.5″W
21° 07′ 53.3″S 175° 11′ 44.5″W
21° 07′ 49.3″S 175° 11′ 48.8″W
21° 07′ 53.5″S 175° 11′ 51.6″W
21° 07′ 49.9″S 175° 11′ 57.5″W
21° 07′ 51.6″S 175° 11′ 58.7″W
and delete land tint area seaward of above

Double solid line with land tint
(pier extension) [F14] joining
21° 07′ 51.0″S 175° 11′ 48.7″W
21° 07′ 48.8″S 175° 11′ 47.9″W
21° 07′ 46.2″S 175° 11′ 51.0″W
(10(101)13 Wellington)

93006 3Ed. 3/15/08 LAST NM 18/13 28/13
Substitute Depth 24 meters for 25.9 meters 22° 07.1′ N 114° 09.5′ E

Depth 28.5 meters Obstn [K41] for wreck
22° 08.4′ N 114° 20.1′ E
(See 18/13-93006)
(7(21), 8(24)13 Hong Kong)

93036 12Ed. 2/9/13 LAST NM N25/13 N28/13
Substitute Depth 28.5 meters Obstn [K41] for
16.1 meters Wk 22° 08.4′ N 114° 20.1′ E
(7(21), 8(24)13 Hong Kong)

93720 11Ed. 7/7/07 LAST NM 18/13 28/13
Delete Depth 21.1 meters Wk 22° 08.6′ N 114° 10.8′ E
(See 18/13-93720)

Substitute Depth 24 meters for 25.9 meters 22° 07.1′ N 114° 09.5′ E

Add Depth 18.9 meters Wk [K26] 22° 08.6′ N 114° 10.9′ E
Depth 28 meters Wk [K26] 22° 07.6′ N 114° 14.4′ E
(7(21)13 Hong Kong)

93721 6Ed. 4/26/08 LAST NM N27/13 N28/13
Delete Buoy "No 4" 22° 17′ 16″N 113° 50′ 02″E
(See N48/12-93721)

Add Buoy Y, pillar, "X" topmark, Mo(O) [Q130.6]
22° 14′ 00″N 113° 48′ 18″E
(8(26)13 Hong Kong)

93730 5Ed. 10/20/12 LAST NM N18/13 N28/13
Delete Buoy 22° 08.3′ N 114° 20.7′ E

Substitute Depth 18.9 meters Wk [K26] for
21.1 meters Wk 22° 08.6′ N 114° 10.9′ E
Depth 28.5 meters Obstn [K41] for
16.1 meters Wk 22° 08.4′ N 114° 20.1′ E

Add Depth 24 meters 22° 07.1′ N 114° 09.5′ E
(7(21), 8(24)13 Hong Kong)

93733 14Ed. 1/19/08 LAST NM N26/13 N28/13
Delete Depth 21.1 meters Wk 22° 08′ 35″N 114° 10′ 51″E
Depth 16.1 meters Wk 22° 08′ 26″N 114° 20′ 09″E
Buoy 22° 08′ 18″N 114° 20′ 13″E
(See N18/13-93733)

Substitute Depth 24 meters for 25.9 meters
22° 07′ 05″N 114° 09′ 32″E

Add Depth 18.9 meters Wk [K26] 22° 08′ 35″N 114° 10′ 52″E
Depth 28 meters Wk [K26] 22° 07′ 35″N 114° 14′ 23″E
Depth 29 meters Wk [K26] 22° 08′ 13″N 114° 18′ 33″E
Depth 28.5 meters Obstn [K41] 22° 08′ 26″N 114° 20′ 07″E
(7(21), 8(24)13 Hong Kong)

93734 13Ed. 10/20/07 LAST NM N26/13 N28/13
Delete Depth 25.9 meters 22° 07′ 04.8″N 114° 09′ 32.4″E
Depth 21.1 meters Wk 22° 08′ 34.9″N 114° 10′ 50.6″E
Depth 16.1 meters Wk 22° 08′ 26.5″N 114° 20′ 09.5″E
Buoy 22° 08′ 25.6″N 114° 20′ 12.5″E
(See N18/13-93734)

Add Depth 24 meters 22° 07′ 05.3″N 114° 09′ 30.7″E

Depth 18.9 meters Wk [K26]
22° 08′ 34.8″N 114° 10′ 51.6″E

Depth 28 meters Wk [K26] 22° 07′ 34.6″N 114° 14′ 23.0″E
Depth 29 meters Wk [K26] 22° 08′ 13.0″N 114° 18′ 32.6″E

Depth 28.5 meters Obstn [K41]
22° 08′ 26.1″N 114° 20′ 07.4″E
(7(21), 8(24)13 Hong Kong)

94028 8Ed. 9/26/09 LAST NM 25/13 28/13
Add AIS [S17.1] to light 35° 21.4′ N 129° 21.5′ E
(7(108)13 Inchon)

94123 10Ed. 4/30/11 LAST NM N21/12 N28/13
Delete Light 25° 09′ 28″N 121° 23′ 12″E
Light 25° 08′ 47″N 121° 19′ 29″E

Change Characteristics of light to Q(2) G 4s
25° 09′ 24″N 121° 22′ 19″E

Add Light "LT 7" Q(2) 5s 18m 10M 25° 08′ 50″N 121° 19′ 47″E
(10/13 Tso-ying)

94127 3Ed. 8/20/11 LAST NM N53/11 N28/13
(Panel B)
Delete Light 25° 09′ 28.2″N 121° 23′ 11.8″E
Light 25° 08′ 46.9″N 121° 19′ 28.7″E
Buoy "SB 4" 25° 09′ 02.3″N 121° 20′ 40.0″E

(continued on next page)

94127 (Continued)
Relocate Buoy "SB 2" from
25° 09′ 01.7″N 121° 20′ 13.5″E to
25° 09′ 01.7″N 121° 20′ 04.6″E

Change Characteristics of light to Q(2) G 4s
25° 09′ 23.6″N 121° 22′ 18.5″E

Add Light "LT 7" Q(2) 5s 18m 10M
25° 08′ 49.5″N 121° 19′ 47.0″E
(10/13 Tso-ying)

94160 9Ed. 8/4/07 LAST NM 25/13 28/13
Add Light Fl(2) 6s 15m 4M 27° 46.9′ N 121° 04.3′ E
(9(246)07 Tianjin)

95067 16Ed. 12/18/10 LAST NM N24/13 N28/13
Delete Buoy "A" 37° 29′ 35.0″N 126° 36′ 12.0″E
Buoy "C" 37° 29′ 45.0″N 126° 36′ 01.5″E
Buoy "D" 37° 29′ 14.0″N 126° 35′ 46.0″E
Buoy "E" 37° 29′ 22.0″N 126° 36′ 07.0″E
Buoy "F" 37° 29′ 32.0″N 126° 36′ 46.0″E
Buoy "G" 37° 29′ 25.0″N 126° 36′ 49.0″E
Buoy "H" 37° 29′ 08.0″N 126° 35′ 42.0″E
Buoy "A" 37° 29′ 31.0″N 126° 35′ 55.0″E
Buoy "B" 37° 29′ 35.0″N 126° 35′ 52.5″E

Purple composite line between
37° 29′ 45.0″N 126° 36′ 16.0″E
37° 29′ 10.0″N 126° 36′ 07.0″E

Add Buoy "A" Y, pillar, "X" topmark, Fl(3) Y 7s
37° 29′ 44.5″N 126° 35′ 59.5″E
Buoy "B" Y, pillar, "X" topmark, Fl(3) Y 7s
37° 29′ 32.5″N 126° 35′ 57.0″E

Depth 9.6 meters, blue tint and enclosing
depth contour (10-meter) centered
37° 29′ 32.0″N 126° 36′ 40.0″E
Depth 9.2 meters, blue tint and enclosing
depth contour (10-meter) centered
37° 29′ 32.0″N 126° 36′ 33.0″E
(7(93)12, 22(394)13 Inchon)

95068 3Ed. 9/15/12 LAST NM N26/13 N28/13
Relocate Buoy "No 15" from
36° 59′ 01.2″N 126° 49′ 15.6″E to
36° 59′ 00.8″N 126° 49′ 21.0″E
(24(44)13 Inchon)

95100 13Ed. 10/20/07 LAST NM 27/13 28/13
Relocate Beacon from 34° 17.0′ N 125° 59.4′ E to
34° 17.3′ N 125° 59.3′ E
(31(455)12 Inchon)

95101 9Ed. 7/30/11 LAST NM N20/12 N28/13
Relocate Beacon from 34° 17′ 07″N 125° 59′ 30″E to
34° 17′ 18″N 125° 59′ 15″E
(31(455)12 Inchon)

95136 1Ed. 4/14/12 LAST NM N23/13 N28/13
Delete Buoy "A" 34° 50′ 17.2″N 127° 47′ 10.2″E
(33(492)12 Inchon)

95138 9Ed. 7/7/07 LAST NM N17/12 N28/13
Delete Buoy 34° 50′ 17.3″N 127° 47′ 10.3″E
(33(492)12 Inchon)

95143 12Ed. 4/7/07 LAST NM N25/13 N28/13
Delete Buoy 34° 50′ 18″N 127° 47′ 10″E
(33(492)12 Inchon)

95160 14Ed. 9/5/09 LAST NM 25/13 28/13
Add AIS [S17.1] to light 35° 21.5′ N 129° 21.6′ E
(7(108)13 Inchon)

95161 18Ed. 1/15/11 LAST NM N27/13 N28/13
Delete Depth 12.8 meters 35° 26′ 40.7″N 129° 22′ 23.0″E

Add AIS [S17.1] to light 35° 21′ 33.0″N 129° 21′ 38.1″E
AIS [S17.2] to buoy 35° 21′ 47.9″N 129° 26′ 11.6″E
(7(108), 25(454)13 Inchon)

95164 5Ed. 4/7/12 LAST NM N22/12 N28/13
Add Buoy "No A" Y, pillar, "X" topmark [Q130.6]
35° 43′ 35.2″N 129° 29′ 33.7″E
Buoy "No B" Y, pillar, "X" topmark [Q130.6]
35° 43′ 18.1″N 129° 29′ 21.1″E
(4(60)13 Inchon)

97021 8Ed. 2/12/11 LAST NM 25/13 28/13
Add AIS [S17.1] to light 35° 21.5′ N 129° 21.6′ E
(7(108)13 Inchon)

97360 6Ed. 2/1/97 LAST NM 37/10 28/13
Add Depth 31 meters "Rep (2007)" [I3.2]
enclosed by dotted-line circle centered
30° 29′ 30″N 129° 26′ 48″E
(NTM0015/2013)

97380 7Ed. 8/23/97 LAST NM 8/13 28/13
Add Depth 51 meters "Rep (2007)" [I3.2]
enclosed by dotted-line circle centered
31° 36.5′ N 128° 18.4′ E
(NTM0015/2013)

97440 8Ed. 6/21/97 LAST NM 3/13 28/13
Add Depth 31 meters "Rep (2007)" [I3.2]
enclosed by dotted-line circle centered
30° 29.5′ N 129° 26.8′ E
(NTM0015/2013)

803427 1Ed. 4/16/11 LAST NM N23/13 N28/13
Delete Buoy "No A" 34° 50′ 17″N 127° 47′ 10″E
(33(492)12 Inchon)

806902 1Ed. 10/16/10 LAST NM N20/12 N28/13
Add Light Fl G 5s 14m 6M 35° 47′ 23″N 129° 29′ 41″E
(7(106)13 Inchon)

806939 1Ed. 12/11/10 LAST NM N25/13 N28/13
Add Light Fl G 5s 14m 6M 35° 47′ 23″N 129° 29′ 41″E

Buoy "No A" Y, pillar, "X" topmark [Q130.6]
35° 43′ 35″N 129° 29′ 34″E
Buoy "No B" Y, pillar, "X" topmark [Q130.6]
35° 43′ 18″N 129° 29′ 21″E

Light Fl(2) Y 6s 15m 7M 35° 41′ 58″N 129° 28′ 33″E
(4(60), 7(106)13 Inchon)

806973 1Ed. 7/7/12 LAST NM N26/13 N28/13
Relocate Buoy from 36° 59′ 01″N 126° 49′ 17″E to
36° 58′ 55″N 126° 49′ 21″E
(24(44)13 Inchon)

809121 1Ed. 2/5/11 LAST NM N27/13 N28/13
Add AIS [S17.2] to buoy 35° 21′ 48″N 129° 26′ 12″E
AIS [S17.1] to light 35° 21′ 33″N 129° 21′ 39″E
(7(108)13 Inchon)

Chart 11477 NM N28/13

PORT CANAVERAL CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2012

CONTROLLING DEPTHS FROM SEAWARD IN METERS 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 (METERS)	LENGTH (NAUT. MILES)	DEPTH MLLW (METERS)
OUTER REACH	12.4	12.0	12.0	11.7	12-12	122	4.7	13.4
MIDDLE REACH	12.3	12.0	12.0	11.3	12-12	122	0.9	13.4
INNER REACH	9.2	12.7	12.6	11.5	12-12	122	0.7	12.2

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

Chart 11537 (Left Panel) NM 28/13

WILMINGTON HARBOR CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2013
AND SURVEYS TO MAY 2013

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)			PROJECT DIMENSIONS		
NAME OF CHANNEL	MINIMUM DEPTH IN CHANNEL	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH MLLW (FEET)
HWY 74-76 BRIDGE TO BATTLESHIP					
REACH 5	25.5	2-13	400	0.3	32
REACH 4	26.2	2-13	400	0.1	32
REACH 3	24.8	2-13	400	0.1	32
REACH 2	24.4	2-13	400	0.1	32
REACH 1	20.4	2-13	400	0.4	32
BATTLESHIP TO HWY 133 BRIDGE INCLUDING TURNING BASIN					
REACH 3	18.2	2-13	VARIES	0.2	32
REACH 2	15.0	2-13	VARIES	0.5	32
REACH 1	29.0	2-13	VARIES	0.1	32
HWY 133 BRIDGE TO HILTON BRIDGE					
REACH 4	29.2	2-13	VARIES	0.1	32
REACH 3	29.0	2-13	300	0.1	32
REACH 2	29.1	2-13	300	0.2	32
REACH 1	29.9	2-13	VARIES	0.1	32
25 FT PROJECT					
REACH 4 (A)	29.8	5-13	VARIES	0.2	25
REACH 3	19.2	5-13	VARIES	0.3	25
REACH 2 (A)	15.4	5-13	VARIES	0.5	25
TURNING BASIN	7.9	5-13	VARIES	0.2	25
REACH 1	6.9	9-12	200	0.1	25

A. SPORADIC SHOAL OBSTRUCTIONS EXIST WITHIN THE CHANNEL BUT ARE NOT CHARTED. CONSULT CORPS OF ENGINEERS FOR LOCATION OF OBSTRUCTIONS.

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

Chart 11547 NM 28/13

MOREHEAD CITY HARBOR CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2013
AND SURVEYS TO APR 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 (STAT. MILES)	DEPTH MLLW (FEET)
RANGE A SECTION 3	41.5	45.3	45.1	40.8	2-13	450	6.0	47
RANGE A SECTION 2	15.7	23.5	40.2	30.3	2-13	450	0.9	47
RANGE A SECTION 1	17.4	18.4	31.1	10.0	4-13	450-650	0.8	47
CUTOFF	7.6	4.2	4.1	3.9	4-13	600-800	0.7	45
RANGE B	33.3	36.0	41.4	35.8	4-13	400	1.3	45
RANGE C	33.0	46.0	42.0	36.9	12-12	1888	0.6	45
EAST LEG	44.4	43.2	42.7	39.3	1-13	455-880	0.3	45
WEST LEG	29.2	31.7	36.3	36.7	1-13	775	0.5	35
NORTHWEST LEG	16.2	30.6	34.2	35.5	1-13	120-1200	0.5	35

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

Chart 12327 NM 28/13

ARTHUR KILL, KILL VAN KULL, NEWARK BAY, PORT NEWARK AND PORT ELIZABETH CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2013
AND SURVEYS TO DEC 2012

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ARTHUR KILL (A)								
OUTERBRIDGE REACH	32.5	35.1	35.9	34.2	4,5,6-12	600-840	1.60	35
PORT SOCONY REACH	31.4	33.6	34.2	31.1	4,5,6-12	600-800	0.87	35
PORT READING REACH	27.1	34.3	34.8	25.9	4,5,6-12	500-850	1.80	35
FRESH KILLS REACH	32.0	34.8	36.1	33.2	4,5,6-12	500	1.65	35
TREMLEY POINT REACH	30.0	36.4	35.6	34.2	4,5,6-12	500	0.85	35
PRALLS ISLAND REACH	30.8	34.2	36.2	28.7	4,5,6-12	500	1.13	35
GULFPORT REACH	28.2	36.5	35.9	29.4	4,5,6-12	500-600	1.03	35
ELIZABETHPORT REACH	40.1	43.1	43.9	39.7	1,2-11	600-800	0.91	35
NORTH OF SHOOTERS ISLAND REACH	40.9	43.4	39.3	36.8	1,2-11	600	0.97	35
SOUTH OF SHOOTERS ISLAND REACH	B6.5	B13.8	B14.5	B10.1	11-04	400	0.94	30
KILL VAN KULL (A)								
BERGEN POINT WEST REACH	46.4	52.7	53.0	45.3	12-12	800-1150	1.17	45
BERGEN POINT EAST REACH	49.0	52.8	52.8	48.6	12-12	800	0.95	45
CONSTABLE HOOK REACH	48.4	52.1	52.3	47.4	12-12	800-1970	2.48	45
NEWARK BAY								
REACH A : SOUTH REACH	45.3	48.3	49.1	40.8	5,6-12	1000-3410	1.31	45
REACH B : MIDDLE REACH	46.1	48.2	49.0	48.3	5,6-12	800-1700	0.88	45
REACH B1 : MIDDLE REACH	34.3	36.9	33.4	26.7	5,6-12	520-800	0.53	40
REACH C : NORTH REACH	17.5	21.5	19.3	7.4	5,6-12	520-1030	1.36	35
PORT NEWARK								
BRANCH REACH	26.4	37.4	35.2	29.5	6-11	400-1775	0.37	40
INSHORE REACH	33.0	31.7	30.7	30.6	6-11	400	1.06	40
PORT ELIZABETH BRANCH REACH	39.8	40.0	39.4	37.2	12-11	500-800	1.26	45

A. CONTROLLING DEPTHS IN ARTHUR KILL AND KILL VAN KULL ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM LOWER BAY.

B. NUMEROUS WRECKS AND OBSTRUCTIONS WITH MINIMUM DEPTH TO 4 FEET WITHIN CHANNEL LIMITS.

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

Chart 12327 NM 28/13

LOWER BAY, CHAPEL HILL, RARITAN BAY AND RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2013
AND SURVEYS TO JAN 2013

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
LOWER BAY:								
AMBROSE CHANNEL	39.9	45.9	45.8	41.7	4-03	2000	9.2	45
SANDY HOOK CHANNEL (EAST)	34.7	39.6	38.9	31.7	6-12	800-2160	4.5	35
SANDY HOOK CHANNEL (BAYSIDE)	27.6A	38.3	37.3	31.3	6-12	800	2.3	35
TERMINAL CHANNEL (NAVY)	45.0	45.0	45.0	45.0	9-09	400-1050	0.8	B45
TURNING BASIN (NAVY)	45.0	45.0	45.0	45.0	9-09	400-2300	0.6	B45
CHAPEL HILL:								
SOUTH CHANNEL (C)	*29.0	*29.3	*29.9	*20.5	2,3-12	1000	2.6	30
NORTH CHANNEL (C)	*29.0	*29.0	*27.2	*27.6	2,3-12	1000	2.2	30
RARITAN BAY:								
EAST REACH	32.5	38.6	37.7	32.8	4-12	600-800	3.9	35
WEST REACH	31.3	40.3	40.3	31.0	4-12	600	2.4	35
SEGUINE POINT BEND	28.9	34.3	35.7	18.6	4,5-12	600-1000	1.20	35
RED BANK REACH	33.2	40.9	40.8	32.9	4,5-12	600	1.23	35
WARD POINT BEND (EAST)	28.9	38.9	36.1	26.9	4,5-12	600-800	1.13	35
WARD POINT BEND (WEST)	34.3	35.3	32.7	29.0	4,5-12	600-800	1.35	35
WARD POINT SECONDARY CHANNEL	18.5	18.8	18.5	18.3	4,5-12	400	0.83	30
CUTOFF (D)	7.5	14.7	17.0	16.6	1-13	600-1740	1.0	20
RARITAN RIVER:								
GREAT BEDS REACH (E)	17.4	20.3	20.3	19.5	8-11	300	0.76	25
SOUTH AMBOY REACH (E)	17.8	19.8	19.8	16.4	8-11	300	1.2	25

A. AREA SUBJECT TO EXTENSIVE SHOALING. SHOALING TO 7.7 FEET EXISTS IN THE VICINITY OF 40°28'55.2"N, 74°00'17.0"W.

B. PROJECT DEPTHS IN THE TERMINAL CHANNEL AND TURNING BASIN ARE 45 FEET, EXCEPT AROUND PIERS 2 AND 3 WHERE THE PROJECT DEPTH IS 35 FEET. DEPTHS SHOALER THAN PROJECT DEPTHS ARE CHARTED IN CHANNELS.

C. AN * DENOTES A SHOAL OBSTRUCTION. SPORADIC SHOAL OBSTRUCTIONS EXIST WITHIN THE CHANNEL BUT ARE NOT CHARTED. CONSULT CORPS OF ENGINEERS FOR LOCATION OF OBSTRUCTIONS.

D. CONTROLLING DEPTHS ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM RARITAN RIVER.

E. THE CORPS OF ENGINEERS REPORTS MIDDLE HALF OF CHANNEL.

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

Chart 12331 NM 28/13

RARITAN BAY, ARTHUR KILL AND RARITAN RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2013 AND SURVEYS TO JAN 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)
RARITAN BAY								
EAST REACH	32.5	38.6	37.7	32.8	4-12	600-800	3.9	35
WEST REACH	31.3	40.3	40.3	31.0	4-12	600	2.4	35
SEGUINE POINT BEND	28.9	34.3	35.7	18.6	4,5-12	600-1000	1.20	35
RED BANK REACH	33.2	40.9	40.8	32.9	4,5-12	600	1.23	35
WARD POINT BEND (EAST)	28.9	38.9	36.1	26.9	4,5-12	600-800	1.13	35
WARD POINT BEND (WEST)	34.3	35.3	32.7	29.0	4,5-12	600-800	1.35	35
WARD POINT SECONDARY CHANNEL	18.5	18.8	18.5	18.3	4,5-12	400	0.83	30
CUTOFF (A)	7.5	14.7	17.0	16.6	1-13	600-1740	1.0	20
ARTHUR KILL								
OUTERBRIDGE REACH	32.5	35.1	35.9	34.2	4,5,6-12	600-840	1.60	35
PORT SOCONY REACH	31.4	33.6	34.2	31.1	4,5,6-12	600-800	0.87	35
PORT READING REACH	27.1	34.3	34.8	25.9	4,5,6-12	500-850	1.8	35
FRESH KILLS REACH	32.0	34.8	36.1	33.2	4,5,6-12	500	1.65	35
RARITAN RIVER:								
GREAT BEDS REACH (B)	17.4	20.3	20.3	19.5	8-11	300	0.76	25
SOUTH AMBOY REACH (B)	17.8	19.8	19.8	16.4	8-11	300	1.2	25

A. CONTROLLING DEPTHS ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM RARITAN RIVER.
B. THE CORPS OF ENGINEERS REPORTS MIDDLE HALF OF CHANNEL.

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

Chart 12332 NM 28/13

RARITAN BAY AND ARTHUR KILL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2013 AND SURVEYS TO JAN 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)
RARITAN BAY:								
WARD POINT BEND (EAST)	28.9	38.9	36.1	26.9	4,5-12	600-800	1.13	35
WARD POINT BEND (WEST)	34.3	35.3	32.7	29.0	4,5-12	600-800	1.35	35
WARD POINT SECONDARY CHANNEL	18.5	18.8	18.5	18.3	4,5-12	400	0.83	30
CUTOFF (A)	7.5	14.7	17.0	16.6	1-13	600-1740	1.0	20
AUTHUR KILL:								
OUTERBRIDGE REACH	32.5	35.1	35.9	34.2	4,5,6-12	600-840	1.60	35

A. CONTROLLING DEPTHS ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM RARITAN RIVER.

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

Chart 12333 NM 28/13

ARTHUR KILL, KILL VAN KULL, NEWARK BAY, PORT NEWARK AND PORT ELIZABETH CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2013
AND SURVEYS TO DEC 2012

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)
ARTHUR KILL (A)								
FRESH KILLS REACH	32.0	34.8	36.1	33.2	4,5,6-12	500	1.65	35
TREMLEY POINT REACH	30.0	36.4	35.6	34.2	4,5,6-12	500	0.85	35
PRALLS ISLAND REACH	30.8	34.2	36.2	28.7	4,5,6-12	500	1.13	35
GULFPORT REACH	28.2	36.5	35.9	29.4	4,5,6-12	500-600	1.03	35
ELIZABETHPORT REACH	40.1	43.1	43.9	39.7	1,2-11	600-800	0.91	35
NORTH OF SHOOTERS ISLAND REACH	40.9	43.4	39.3	36.8	1,2-11	600	0.97	35
SOUTH OF SHOOTERS ISLAND REACH	B6.5	B13.8	B14.5	B10.1	11-04	400	0.94	30
KILL VAN KULL (A)								
BERGEN POINT WEST REACH	46.4	52.7	53.0	45.3	12-12	800-1150	1.17	45
BERGEN POINT EAST REACH	49.0	52.8	52.8	48.6	12-12	800	0.95	45
CONSTABLE HOOK REACH	48.4	52.1	52.3	47.4	12-12	800-1970	2.48	45
NEWARK BAY								
REACH A : SOUTH REACH	45.3	48.3	49.1	40.8	5.6-12	1000-3410	1.31	45
REACH B : MIDDLE REACH	46.1	48.2	49.0	48.3	5,6-12	800-1700	0.88	45
REACH B1 : MIDDLE REACH	34.3	36.9	33.4	26.7	5,6-12	520-800	0.53	40
REACH C : NORTH REACH	17.5	21.5	19.3	7.4	5,6-12	520-1030	1.36	35
PORT NEWARK								
BRANCH REACH	26.4	37.4	35.2	29.5	6-11	400-1775	0.37	40
PORT ELIZABETH BRANCH REACH	39.8	40.0	39.4	37.2	12-11	500-800	1.26	45

A. CONTROLLING DEPTHS IN ARTHUR KILL AND KILL VAN KULL ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM LOWER BAY.

B. NUMEROUS WRECKS AND OBSTRUCTIONS WITH MINIMUM DEPTH TO 4 FEET WITHIN CHANNEL LIMITS.

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

Chart 12334 NM 28/13

KILL VAN KULL CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2013
AND SURVEYS TO DEC 2012

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)
KILL VAN KULL (A)								
CONSTABLE HOOK REACH	48.4	52.1	52.3	47.4	12-12	800-1970	2.48	45

A. CONTROLLING DEPTHS ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM LOWER BAY.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 1/13 THROUGH NM 28/13

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.
21	4	13/13
22	1	13/13
62	3	11,18/13
106	1	18/13
200	3	4,9,21/13
201	2	21/13
204	4	17/13
211	5	13/13
411	53	8,21/13
501	13	2,3,7,12,17,28/13
502	2	3,12,17/13
507	2	13/13
509	4	10,13/13
514	7	21/13
530	33	3,11,17,28/13
531	24	2/13
532	17	21/13
550	7	11,13/13
609	2	18/13
625	4	18/13
632	8	16/13
800	4	21/13
803	1	21/13
1113A		21/13*
1115A		1,2,3,5,9,14,20,27/13
1116A		23*,25,27/13
1117A		5,13,14,17,21/13
11004	8	13,14,21,27/13
11006	33	9,14,27/13
11009	39	6,8/13
11013	48	8,14,23/13
11299	1	N1,N5,N6/13
11300	43	5,13,14,17,21/13
11301	25	9,26/13
11302	33	9,26/13
11305	2	N6,N13,N26/13
11307	38	5/13
11309	41	1,5,6,13,26/13
11310	2	N1,N6,N26/13
11311	24	6,13/13
11312	5	1,5,6,13,26/13
11313	24	5,9/13
11314	25	5/13
11316	42	1,5,9/13
11317	32	1,5,21/13
11318	2	N6,N13,N26/13
11319	34	5/13
11320	1	N5/13
11321	30	9/13
11323	64	1,2,6,13,14,17,26,27/13
11324	37	1,2,14,26/13
11325	40	17*,26/13
11326	38	1,2,14/13
11327	36	7*,26/13
11328	27	13*,26/13
11329	38	9,26/13
11330	22	28/13*
11332	33	13*,21,25,26,27/13
11339	4	18*,26,27/13
11340	77	26*,27/13
11341	44	22*,25,26/13
11342	55	2*,13,14,18,26/13
11343	38	13,26/13
11344	39	9,13,18,20,25,26/13
11345	35	25/13
11346	4	3,20,26/13
11347	40	25*,27/13
11348	23	23/13*
11349	45	2,3,4,6,9,13,15,18,27/13
11351	43	1,5,13/13
11352	42	3,27/13
11353	6	14,27/13
11356	39	1,3,5,6,9,13,15,17,21/13
11357	42	1,2,3,9,15,21,27/13
11358	57	1,6,20/13
11360	44	1,2,3,5,9,14,20,27/13
11361	77	27/13*
11362	5	N1,N2,N3,N5,N9,N14, N20,N27/13
11363	44	17*,20,27/13
11365	23	8*,20,27/13
11366	15	2,3,5,9,14,20,27/13
11367	36	27/13
11368	25	27/13
11370	28	3,13,17,20,27/13
11371	40	27/13
11372	35	27/13
11373	50	9,14,20,27/13
11374	36	20,27/13
11375	38	27/13
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	26/13
11391	25	12/13*
11393	22	8*,26/13
11401	31	10/13*
11404	24	4/13*
11407	19	7/13*
11411	18	17/13
11412	45	8,17/13
11415	9	17,27/13
11416	11	8,15,27/13
11420	30	21/13*
11424	20	17/13
11425	38	1,6,11,17/13
11426	38	1/13
11427	35	1/13
11438	14	11/13*
11439	27	25/13*
11441	42	22*,27/13
11442	36	6*,16/13
11445	31	16/13
11446	33	18*,27/13
11447	37	6,11,16/13
11449	17	1/13
11450	11	5/13
11451	35	1,5,8,11,16/13
11452	22	16/13
11453	17	16/13
11460	43	5,8,15/13
11461	5	5,14/13
11462	27	18/13*
11463	19	10/13*
11464	17	1,5/13
11465	39	8,11,16/13
11466	39	6,15,16/13
11467	43	5,15,16,17/13
11468	43	5,16/13
11469	9	15/13
11470	39	5,15/13
11471	1	N5,N15/13
11472	35	6,15/13
11473	1	N15,N17/13
11474	11	8/13
11476	22	1/13
11477	6	N8,N28/13
11478	23	20*,27/13
11479	5	N8,N15/13
11480	41	8,11,26/13
11481	8	28/13*
11482	1	N5/13
11484	24	1/13
11485	36	1,11/13
11488	28	1,11/13
11489	39	1,6,8,17,26/13
11490	20	26/13
11491	38	26/13
11492	21	17/13
11493	10	N8,N16/13
11494	9	N6,N8,N16/13
11496	10	N8,N11,N26/13
11503	45	25/13*
11504	18	17/13
11505	4	6,11,16,26,27/13
11506	45	6,11,16,27/13
11507	34	17,26/13
11509	32	8,26/13
11510	20	26/13
11512	63	28/13*
11513	26	16/13
11514	30	6,11,16,27/13
11516	31	17/13
11518	38	16,17/13
11520	44	6/13
11521	30	6,22/13
11523	25	6,17,22/13
11524	53	6,8,11,16,17,22,27/13
11525	7	N6/13
11527	18	8,16,25/13
11532	22	3*,6,8,27/13
11536	19	11/13
11537	39	24*,28/13
11541	40	19/13*
11543	24	3/13*
11544	40	6/13
11545	65	27/13*
11547	38	12,21,24,28/13
11550	30	3/13*
12200	50	1,7,8,11,17,23,24/13
12201	26	N1,N7,N8,N11,N17, N23,N24/13
12204	38	10*,17/13
12205	33	17/13
12206	34	16*,22/13
12207	23	17/13*
12208	15	6,7,9,24/13
12210	38	1,4,6,11,17/13
12211	45	27/13*
12214	49	8/13
12221	81	7,17,20,27/13
12222	54	25*,27/13
12224	25	20,27/13
12225	60	4,7,8,20/13
12226	18	7,20/13
12228	33	4/13
12230	66	25/13*
12231	29	4/13
12233	37	4,11,27/13
12235	33	8/13
12237	27	8/13
12238	40	7,17,27/13
12241	22	7,17,27/13
12245	67	6,27/13
12248	43	12/13*
12252	25	13/13*
12253	47	22/13
12254	49	27/13
12256	17	27/13
12261	30	10*,27/13
12263	56	4,25,27/13
12264	31	13*,27/13
12266	30	4/13
12270	35	25/13
12272	31	12/13
12273	58	4,9,12,27/13
12274	36	27/13
12277	35	14,27/13
12278	78	3*,12,14,27/13
12280	10	4,7,9,11,12,20,27/13
12281	54	4,14/13
12285	41	19*,26/13
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, 25/13
12301	22	N3,N8,N11,N12,N14, N21,N23,N24,N25/13
12304	46	8,26/13
12311	46	8,9,14,25/13
12312	56	7,8,9,13,25/13
12313	53	7,9,13/13
12314	33	13,18/13
12318	45	12,14,23,24,25/13
12323	26	10*,12,14,23/13
12324	35	9,12,23/13
12326	51	8,9,12,14/13
12327	105	4,13,18,25,27,28/13
12331	32	4,28/13
12332	23	4,28/13
12333	37	11*,13,19,28/13
12334	71	3,25,27,28/13
12335	45	3,27/13
12337	24	22/13*
12338	11	27/13*
12339	47	20/13*
12342	24	27/13*
12343	20	21*,22,27/13
12353	19	8/13
12354	44	1,11,13,17,18,25/13
12358	21	25/13
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	27	4,13,18/13
12369	26	13/13
12371	25	16,18/13
12372	35	1,11,16,18,21/13
12373	15	1,11/13
12374	14	11/13
12401	11	18/13
13003	51	3,8,11,14,16,17,23,24, 25/13
13006	36	3,8,11,14,16,20/13
13009	35	8,11,16,20/13
13200	38	11/13
13201	11	N11/13
13203	14	27/13*
13205	39	3,18,21,25/13
13209	26	3,21,25/13
13212	39	18/13
13213	42	12/13
13214	29	21/13
13215	20	3/13
13218	41	11/13
13221	59	1,16,17,19/13
13223	42	16/13
13224	40	25/13*
13225	34	18,19/13
13226	7	1/13
13227	15	9/13
13229	31	4,20,21/13
13230	50	4/13
13233	19	11/13
13235	7	4/13
13237	42	27/13*
13241	17	27/13
13242	18	25,27/13
13260	41	8,16,20/13
13263	8	N8,N16,N20/13
13267	35	4,16/13
13272	52	10,25,28/13
13274	28	11,16,17/13
13275	31	4,11/13
13276	23	4,11/13
13278	27	16,17/13
13279	33	17/13
13282	12	17/13
13283	22	25/13*
13285	12	19/13*
13286	31	16,20/13
13288	43	8/13
13292	40	9/13
13295	12	27/13*
13301	21	8/13
13302	23	8,25/13
13305	29	20/13
13309	29	14,25/13
13313	21	19/13*
13318	19	13/13*
13324	15	21/13*
13394	4	6*,17/13
13396	6	6*,17/13
13398	4	7/13*
14003	6	1,23/13
14500	27	20/13
14800	10	1/13
14804	24	1/13
14814	25	1/13
14820	21	1,2/13
14822	32	15/13
14823	31	9/13*
14830	32	1,2/13
14832	35	20/13*
14833	27	9*,15/13
14835	33	1/13*
14839	37	2/13
14842	15	1,2/13
14846	14	1,2/13
14847	31	2/13
14853	17	20/13
14854	14	20/13
14862	28	12/13
14863	31	5/13
14867	27	16/13*
14901	15	4,20/13
14902	29	2,14/13
14904	27	9/13*
14906	24	20/13
14907	27	20/13
14909	20	2/13
14912	17	14/13

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 1/13 THROUGH NM 28/13

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.
14916	10	20/13
14918	27	20/13
14922	20	20/13
14924	29	9/13*
14925	23	2/13
14926	12	12/13
14928	23	12/13
14929	25	12/13
14930	26	6*,14/13
14934	29	25/13
14937	24	6/13
14938	24	12/13
14972	26	12/13
14975	35	1/13
16003	17	21/13
16005	10	5,21/13
16006	35	21/13
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
16474	8	22/13
16531	7	20/13
16532	6	20/13
16593	11	8/13
16594	13	3,8/13
16595	16	3*,8/13
16596	13	3*,8/13
16660	31	12/13
16663	9	12/13
16665	10	12/13
16700	32	3/13
16705	20	3/13
17003	4	4/13
17005	10	4,27/13
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
17415	1	N4/13
17417	1	N4/13
17420	29	19/13*
17423	14	4/13
17448	1	N4/13
17514	1	N2,N27/13
18000	8	3,7,14,16,17/13
18002	8	N12*,N14,N16,N17, N20,N26/13
18003	20	2,20,24,27/13
18005	6	N12*,N17/13
18006	5	N13/13*
18007	33	2,20,27,28/13
18008	8	N2,N20,N28/13
18009	4	N12/13*
18010	22	12,18,27,28/13
18013	2	N14/13
18020	39	3,7,11,12,14,16,17,20, 28/13
18022	36	3,7,11,12,14,16,17,20,26, 27/13
18400	49	2,6,24,27/13
18421	51	2,24,27/13*
18423	38	2,20,24,26,27/13
18424	28	2/13
18427	24	27/13*
18428	10	26/13
18429	10	24/13
18430	9	2/13
18440	30	2,20,27/13
18441	47	20,27/13
18445	34	2,24,25/13
18446	18	27/13
18448	35	2/13
18449	19	20,24,25/13
18450	19	7*,20,24/13
18453	27	20/13*
18454	5	N2/13
18460	14	13*,27/13
18464	25	27/13
18465	39	24,27/13
18468	19	27/13
18471	11	27/13
18474	9	2,24,25/13
18480	32	12*,27/13
18484	12	2/13
18485	17	12*,27/13
18500	30	2,20,24/13
18502	87	6,24/13
18520	27	10,19,20,24/13
18521	74	4,6,20/13
18523	57	4,26/13
18524	37	4/13
18525	37	2,4,18,20/13
18526	60	2,4,18/13
18528	11	26/13
18531	23	4,18,19,20/13
18532	21	18/13
18539	9	19/13
18558	39	6,24/13
18561	13	10/13
18580	22	19/13
18581	19	6/13
18583	40	4/13
18584	48	6,8,10,19/13
18587	71	6,10,24,26/13
18588	37	11,26/13
18600	15	11,18/13
18605	13	18,19/13
18620	24	18,20,28/13
18622	55	26,27/13
18623	12	28/13
18640	25	17,18,22,25/13
18645	27	5,18,22,27/13
18647	16	26/13
18649	67	5,9,12,15,16,17,18,21, 27/13
18650	56	5,9,11,12,16,21/13
18652	36	4,5,9,11,12,16,17,21,27, 28/13
18653	12	7*,18,21,27/13
18654	45	4/13
18655	59	4/13
18656	56	21,28/13
18657	19	28/13
18658	31	21/13
18660	3	28/13
18661	30	11,28/13
18662	22	16/13
18663	6	11/13
18666	1	21/13
18680	31	12,17,18,22/13
18700	22	17,22/13
18703	26	21*,27/13
18720	33	3,7,14,17,18,22,27/13
18721	12	7,14,17,22/13
18724	2	26/13
18725	29	18,22/13
18728	9	26/13
18729	13	26/13
18730	2	N3/13
18740	43	3,6,11,12,16,20,22,23,25, 26,27,28/13
18741	20	N13*,N16,N23,N27, N28/13
18746	38	20,22,26,28/13
18749	43	8,12,19,20,28/13
18751	46	12,19,20,28/13
18754	19	11/13
18755	10	27/13
18757	11	28/13
18758	7	9/13
18760	8	N12*,N14,N16,N20, N26,N27,N28/13
18761	3	N12/13
18762	16	11,12/13
18763	11	11,12/13
18765	17	6,11,12,16,23,28/13
18766	7	6,11,16,23,28/13
18768	6	N12*,N16,N23,N28/13
18769	4	N13*,N27/13
18772	48	8,11,23/13
18773	43	5,9,11,23/13
18774	12	3,9,28/13
18775	3	N12/13
19002	11	N9,N14/13
19004	39	9,14/13
19007	18	9,14/13
19008	5	9,14/13
19010	20	9,14/13
19013	19	9,14/13
19320	17	14/13
19327	11	8/13
19330	11	15/13
19339	2	N9,N14,N17,N19/13
19340	27	9,14,17,19/13
19342	11	14/13
19347	18	14/13
19357	25	22*,25,27/13
19359	12	1,5/13
19362	14	27/13
19366	37	19/13
19367	40	3*,19,25/13
19369	7	3*,19,25/13
19386	12	20/13*
21014	72	4,7/13
21017	50	4,7/13
21021	4	N6/13*
21033	46	8,9,11,17,19/13
21036	7	9/13
21120	27	7/13
21122	5	7/13
21140	1	12,16,23/13
21160	1	11/13
21180	1	11/13
21441	28	N4/13
21483	2	14/13
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	3,4,17/13
22040	1	6,17/13
22050	4	9,11,15,16/13
22051	19	1,11,12,19/13
22052	7	1,4,7,12,13,14,19,20,21, 24/13
22054	1	7,11/13
22055	1	1,4,7,11,12,13,14,19,20, 21,24/13
22080	3	7,8,11/13
22081	1	11,13/13
22082	5	11/13
22083	6	11,13/13
22084	4	6/13
22087	2	8/13
22090	2	4,7,8,15/13
22100	3	7/13
22102	20	N11/13*
22103	3	N8/13*
22109	3	7,8,14/13
22111	4	7/13
22112	3	4,5,6,7,11/13
22113	8	5,6,7/13
22115	4	11/13
22117	3	7/13
22120	3	3,4,5,6,9/13
22121	9	4,9/13
22124	2	3,4,9/13
22130	2	4,6/13
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	N3/13
22313	2	5/13
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	3	3/13
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	3,4,17/13
23010	4	3,17/13
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	4,5,22/13
23121	7	5,9,25/13
23122	8	9,25/13
23123	4	N4/13*
23124	4	N5,N9/13
23125	5	N8/13*
23126	6	N5,N9,N25/13
23127	4	N5,N9,N25/13
23128	4	N9,N25/13
23131	7	4,12/13
23141	8	N5/13*
23142	10	3,5,19,22/13
23145	4	N12/13*
24000	39	8/13
24008	42	7/13
24016	53	8/13
24028	6	18,27/13
24050	12	N7*,N20,N26,N27/13
24051	1	20,24/13
24052	17	N5,N10,N11,N15,N16, N27/13
24053	17	N9,N11,N16/13
24055	7	N12*,N26,N27/13
24057	6	N6,N8,N20,N26/13
24058	3	N14,N15,N26/13
24060	2	8,20,24/13
24092	15	N16/13
24130	14	7/13
24131	8	7/13
24141	4	7/13
24154	12	7/13
24155	7	N11/13*
24156	3	13/13
24160	21	8/13
24162	10	N19/13
24170	14	7/13
24171	20	N8,N13/13
24172	5	N8,N11,N13/13
24201	5	11/13
24203	36	11/13
24220	14	8/13
24222	3	11/13
24223	33	8/13
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

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 1/13 THROUGH NM 28/13

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Chart No.	Ed. No.	Notice to Mariners No.
24375	2	24/13
24380	2	13/13
24388	2	13,21/13
24404	9	7,27/13
24405	12	N7/13
24406	32	N7/13
24434	4	28/13
24435	5	28/13
24450	3	2,8/13
24453	5	8/13
24454	5	8/13
24455	15	8/13
24460	4	2,18/13
24461	4	2,7/13
24463	7	N11/13*
24468	1	13,15/13
24469	1	13,15/13
24470	4	3/13
24480	1	3,7,17,18,24,25,27/13
24485	1	14/13
24486	1	18,25,27/13
24491	3	8,14,27/13
24500	1	2,8/13
24501	3	8,17/13
24502	6	2,8/13
24504	7	3,17,18,24,25/13
24507	1	3,4,8,10,17,20,24,25/13
24508	4	2,4,5,10,20,25/13
24509	3	4,8,10/13
24510	3	2,3,4,5,8,10,20,25/13
24511	2	18,24/13
24512	3	7,18/13
24513	18	7/13
24514	1	7/13
24517	2	18,25,27/13
24521	3	27/13
25017	6	N17/13
25018	9	17/13
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
25600	47	17/13
25601	34	1/13
25607	4	1/13
25608	22	1/13
25609	5	17/13
25613	3	27/13
25640	45	13*,17/13
25641	28	11,17/13
25645	20	6/13*
25647	11	17/13
25650	36	11,17/13
25653	13	16/13
25654	13	16/13
25655	12	16/13
25663	28	17/13
25664	17	17/13
25666	18	17/13
25668	21	6*,13/13
25673	16	11/13
25677	21	11,17/13
25681	18	11/13
25683	20	3*,17/13
26001	4	7,15/13
26060	1	13,16/13
26065	4	16/13
26066	12	1/13
26082	1	N17/13
26100	4	1,23/13
26130	20	1,15/13
26142	10	12/13
26190	2	1/13
26218	2	23/13
26224	32	23/13
26229	11	11/13
26230	13	N11/13
26237	3	5/13
26240	7	1/13
26244	3	1/13
26245	16	1,3,15/13
26250	18	3/13
26259	2	3,5/13
26320	5	5,15/13
26323	4	4/13
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	15/13
27084	4	21/13
27100	2	20,21/13
27120	4	20/13
27122	5	20/13
27130	2	20/13
27141	5	16/13
27142	5	16/13
27146	2	16/13
27161	4	15,17/13
27180	2	15/13
27183	8	17/13
27206	18	10/13
27207	12	10/13
27211	22	15/13
28004	1	13/13
28006	1	15/13
28050	3	7,13,15/13
28120	1	10/13
28142	5	14/13
28150	3	14/13
28151	2	14/13
28170	1	28/13
28320	6	4/13
28321	36	4/13
29002	9	22/13
29012	8	8/13
29101	6	9/13
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	21/13
35006	2	N8/13*
35015	3	N9/13
35019	2	N9/13
35020	1	N9,N21/13
35024	2	N9,N21/13
35045	2	N8/13*
35048	2	N11/13*
35050	2	N9/13*
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	2	N5/13*
35104	3	N8/13*
35121	1	N9/13
35126	2	N8/13*
35128	1	N9/13
35139	1	N9/13
35140	1	N9,N21/13
35147	2	N10/13*
35148		N21/13
35151	1	N21/13
35172	4	N17/13*
36000	1	N21/13
36001		N21/13
36002		N21/13
36009	2	N9/13*
36011	3	N11/13*
36025	4	N24/13*
36035	2	N10/13*
36036	2	N11/13*
36042	1	N8/13*
36049	2	N9/13*
37005	18	N7*,N8/13
37007	2	N25*,N27/13
37008	4	N22/13*
37010	24	4,8/13
37015	2	N27/13
37017	2	N25/13*
37020	3	N27/13*
37021	3	N18/13*
37027	3	N8/13*
37028	3	N11/13*
37040	3	N10/13*
37066	8	N9/13*
37120	3	6,8,23/13
37129	7	N6,N21/13
37140	34	23/13
37162	13	N1,N5,N11,N22/13
37163	21	N21/13
37164	5	N4/13
37165	4	N26/13*
37166	3	4,5,9,23/13
37200	16	8/13
37205	3	5,10/13
37221	14	5,6,8,9,10,11,12,13/13
37222	14	N6,N8,N10,N11,N12, N21,N22/13
37223	15	1,9,11/13
37224	12	N9*,N10,N22/13
37226	19	N25/13*
37228	15	N16/13*
37229	16	N18/13*
37230	15	N16/13*
37231	19	N5,N8,N10,N11,N12, N13/13
37232	13	N8,N12/13
37234	14	N10,N13/13
37235	11	5,10/13
37238	7	N21,N22/13
37241	20	N5,N24/13
37242	12	N4/13
37244	12	N4,N5,N6,N8,N11, N21/13
37246	16	N6,N10,N21,N23, N27/13
37247	1	N1,N6,N13,N22/13
37248	20	N9,N23/13
37445	2	N1/13*
37463	8	N15/13*
37464	3	N15/13*
38482	1	N1/13*
38541	5	N6/13*
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
42742	3	23/13
43030	25	N15/13*
43141	6	N25/13*
43148	5	N9/13*
43168	3	N22/13*
43242	4	4/13
43281	6	1/13
43285	5	1/13
43323	4	1/13
43324	4	1/13
43360	22	N24/13*
43370	7	4/13
43371	13	4/13
43372	5	N5/13
43375	7	5/13
43379	1	4/13
43384	1	1,2/13
43385	1	2/13
44015	9	5,11/13
44036	5	2/13
44041	8	N2/13
44048	13	N18*,N28/13
44066	11	N8,N10/13
44072	4	8/13
44073	2	10/13
44075	5	N12/13
44076	4	N1,N8,N12/13
44082	11	8,10,11,13/13
44083	8	10,11,13/13
44085	2	10,11,12/13
44161	2	1/13
44179	2	2,5/13
44206	1	2/13
44207	1	2/13
44282	1	26/13
44284	3	N25/13*
44289	1	N26/13*
44319	3	7/13
44320	4	7/13
44327	1	N27/13*
44341	8	N1/13*
44352	4	N8/13*
44353	1	N7/13
44360	10	7/13
44363	1	N7/13
44365	2	N6*,N19,N24/13
44367	2	21/13
44400	5	7,20/13
44401	9	N5,N10,N20/13
44420	7	5/13
44430	3	5,11,20/13
44442	1	N5/13
44443	1	N5,N6/13
44446	1	N11,N20/13
44462	5	N8,N11,N12,N13, N25/13
44463	10	N8,N9,N10/13
44465	3	N8/13
51100	7	11/13
51144	4	N25/13
51150	1	11/13
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*
52081	6	N4/13*
52084	3	N25/13*
52122	16	N21/13
52125	1	21/13
52126	1	N21/13
52160	7	27/13
52170	3	27/13
52186	4	N27/13*
52200	8	5/13
53065	3	N18/13*
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	4	N18/13
54083	5	N7/13*
54085	3	N12/13*
54151	1	6/13
54222	4	10/13
54266	2	11/13
54267	1	11/13
54279	4	5/13
54280	11	5,6/13
54281	6	5/13
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
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CHARTS AFFECTED BY NOTICE TO MARINERS
NM 1/13 THROUGH NM 28/13

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

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54380	7	N11/13*
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54389	8	2/13
54399	1	N12/13*
54400	8	4,5,6/13
54403	4	5,6/13
54404	4	5,6/13
54406	2	5/13
54407	4	1/13
54416	6	N12/13*
54417	2	N6/13*
54421	6	1/13
54424	1	1/13
54430	1	5,27/13
54441	6	6/13
54480	9	N15/13*
54481	9	4/13
55001	4	8,23/13
55046	5	N1,N3,N6/13
55047	8	1,3/13
55048	12	3/13
55049	7	N24/13*
55064	3	3/13
55082	9	9/13
55084	7	11,24,27/13
55085	9	11,23,24,26/13
55100	8	25,26/13
55101	5	23,27/13
55103	3	N9,N23,N25,N28/13
55104	2	9,26,28/13
55105	7	2,4,8/13
55127	2	26/13
55128	3	N23,N28/13
55129	7	25,26/13
55130	2	8,23,25,26/13
55133	4	N25,N27/13
55140	2	8,25/13
55150	2	2/13
55160	2	4/13
55161	2	N4/13
55170	2	4,8,24,25,27/13
55180	2	25,27/13
55190	2	27/13
55200	2	8,23,24,25,27/13
55205	1	8,23,25,27/13
56011	1	11/13
56031	1	5,7/13
56081	21	N5/13*
56082	18	N5/13*
56083	4	N5/13*
56100	14	7,8/13
56101	7	8/13
56102	24	8/13
56103	8	N8/13
56104	3	7/13
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	11,14,15,16,17/13
57482	13	N15,N19,N26/13
57483	12	N11,N19,N26/13
57484	20	N15,N19/13
57488	7	N15/13
61000	20	16,17/13
61003	17	11/13
61015	8	21/13
61040	7	11,16,17/13
61050	5	16,17,19/13
61051	9	N16,N19,N26/13
61060	7	N11,N14,N16,N17/13
61061	11	N11,N14/13
61062	1	N14/13
61070	5	14/13
61071	10	N18/13
61080	4	14/13
61090	6	11,15/13
61091	7	N15/13
61092	14	N26/13
61110	3	21/13
61191	8	21/13
61200	7	21/13
61210	6	21/13
61211	8	N21/13
61212	3	N21/13
61592	5	N22/13
62001	5	9,10,13/13
62024	13	17/13
62028	15	18/13
62032	16	6,11,12,15,16,18,21/13
62033	3	N6,N11,N12,N15,N16, N18,N21/13
62090	7	16,21/13
62092	8	N18*,N21/13
62097	6	16/13
62100	7	14/13
62110	10	9/13
62162	2	24/13
62177	4	N26/13*
62191	15	9,10,13/13
62193	18	N6/13*
62194	8	9/13
62195	7	13/13
62241	11	N7/13*
62242	12	N26/13*
62290	4	14/13
62314	3	18/13
62320	2	17/13
62330	2	22/13
62333	1	N6*,N17,N27,N28/13
62340	3	22/13
62343	4	27,28/13
62350	3	27/13
62355	7	17,23,24,27,28/13
62360	5	11,18,27,28/13
62361	2	N11,N18,N27,N28/13
62362	1	28/13
62364	1	23,25,27/13
62366	4	11,16/13
62392	8	18/13
62394	11	N1/13*
62400	17	6,10/13
62401	9	21/13
62405	8	21/13
62406	3	N21/13*
62408	7	6,10,15,16,21/13
62412	13	8,11,20,22/13
62413	13	8,11,15/13
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	6,10,15,21/13
62441	10	20/13
62444	3	N12/13*
62446	4	N21/13
62447	2	14/13
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62455	8	N5/13*
62458	1	14,22/13
62460	5	6/13
62462	3	N5/13*
62463	3	N6/13*
62464	4	N20/13
62480	2	6,8,11,12,15,16,18,21/13
62490	2	8,11,12,20,21/13
62498	5	N6/13
62499	6	N20/13
62510	3	6,10,11,18/13
62512	3	N6,N10,N11,N18/13
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62530	6	6,8,11,12,14,21,22/13
62531	4	N6,N8,N11,N12,N14, N21/13
62540	6	15,18,20,21,23,24/13
62541	3	N15,N18,N20,N21,N23, N24/13
62550	3	6,8,11,21,22/13
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	22,27/13
63005	18	22,27,28/13
63010	14	2,22/13
63015	11	2,28/13
63020	15	22/13
63050	3	21/13
63053	5	21/13
63055	3	11,21/13
63060	8	21,22,23/13
63062	8	2,27/13
63063	9	27/13
63065	6	28/13
63070	4	2,27/13
63080	6	22/13
63090	9	9,27/13
63091	4	22,27,28/13
63092	5	N24/13*
63101	17	N9,N22,N27/13
63102	21	N22,N27/13
63103	19	N22/13
63110	4	27/13
63112	1	N27/13
63113	1	N27/13
63120	2	28/13
63121	6	27,28/13
63150	1	22,27,28/13
63200	5	28/13
63201	11	N28/13
63205	3	N28/13
63230	6	22/13
63250	6	2,23/13
63252	2	N23/13
63260	6	2,22,27/13
63270	7	23,28/13
63271	9	N23,N28/13
63310	5	22/13
63330	9	28/13
63337	16	28/13
63383	6	N6/13*
63390	2	23/13
63413	6	N27/13
63420	2	28/13
71012	4	N26/13*
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71033	31	16/13
71040	5	22/13
71042	2	N22/13
71043	3	22/13
71044	2	22/13
71058	3	N28/13
71059	2	N28/13
71243	6	4,6/13
71247	20	N26/13*
71252	3	N4/13
71253	11	4/13
71256	2	N4,N6/13
71265	4	4,6,16/13
71271	12	N6/13
71273	5	N6/13
71285	4	6/13
71315	2	22/13
71325	9	N7/13*
71340	11	13/13
71343	4	N13/13
71348	3	13/13
71350	8	13/13
71430	3	16/13
71440	2	16/13
72204	2	N15/13*
73014	10	8/13
73341	8	8/13
73581	4	15/13
73590	6	15/13
73653	1	11/13
74000	6	5,7,9,11/13
74004	2	15,28/13
74009	10	3,4,13/13
74012	10	3/13
74015	10	2/13
74044	2	N23/13*
74150	3	N24/13*
74154	1	N5,N6,N8,N9,N11/13
74155	1	N11/13
74163	1	N8,N9,N11/13
74164	1	N8,N9,N11/13
74171	4	9/13
74172	5	9/13
74180	1	N4/13
74181	8	4,9/13
74182	12	4/13
74216	1	N14/13
74237	3	N14/13
74240	8	15/13
74247	2	N26/13*
74258	1	N14/13
74262	1	N14,N15/13
74263	1	N15/13
74265	2	14,15/13
74280	2	N26/13*
74302	1	N2,N3,N4/13
74311	3	N25/13*
74342	1	N2,N3,N4,N14/13
74389	1	N10,N11,N13/13
74390	1	N4,N13/13
74396	1	N13/13
74397	1	N2,N3,N4,N14/13
74398	2	N2,N3,N4,N14/13
74410	3	3,4/13
74518	1	N3/13
74580	1	N4,N20/13
74588	1	N20/13
75035	18	5,7,8,9,11/13
75166	1	N3/13
75174	3	N25/13*
75178	3	N24/13*
75240	4	11/13
75251	5	8,9,11,13/13
75252	1	N3/13
75253	1	N5,N8,N9,N11,N13/13
75266	1	N5,N6,N8,N9,N11, N14/13
75267	1	N14/13
75269	1	N14/13
75274	1	N5,N6,N7,N8,N9, N11/13
76015	1	8,14,15/13
76050	8	8/13
76052	9	N26/13*
76054	5	11/13
76056	3	18/13
76070	9	14,15/13
76081	7	12/13
76110	5	28/13
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76151	7	10/13
76160	4	18/13
76161	10	18/13
76171	10	28/13
76180	1	10,28/13
81048	10	6/13
81054	16	6/13
81067	9	5/13
81071	8	17*,18/13
81076	13	12/13*
81237	2	24/13*
81711	7	8/13
82374	9	17/13
83026	32	10/13
83385	20	N12/13*
83484	12	25/13
83567	3	28/13
91005	6	4,6,13/13
91008	1	7,11/13
91020	5	4/13
91025	8	3/13
91030	3	4,8/13
91120	3	19/13
91160	4	10/13
91170	2	10/13
91175	3	19/13
91280	8	N3,N4,N5,N8/13
91286	11	N5,N8/13
91289	19	5,8/13
91360	2	4,8/13
92006	5	2,5,14/13
92020	2	5,14/13
92025	3	4/13
92030	4	4/13
92033	5	5,14/13
92110	3	4/13
92120	3	4/13

CHARTS AFFECTED BY NOTICE TO MARINERS NM 1/13 THROUGH NM 28/13

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

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92410	4	4/13
93006	3	7,18,28/13
93010	6	22/13
93018	8	22/13
93020	2	6,12,14,24/13
93022	4	6/13
93025	5	8,9,10/13
93030	7	6,21/13
93032	4	8,9,12,18/13
93036	12	N24*,N25,N28/13
93045	2	6/13
93046	1	27/13
93049	1	24/13
93180	8	N22/13
93240	12	22/13
93241	10	N10*,N22/13
93244	8	22/13
93245	7	N22/13
93248	1	22/13
93260	9	22/13
93261	5	22/13
93340	4	12/13
93342	6	N12/13*
93385	7	N8/13*
93404	7	N22/13*
93406	5	N24/13*
93503	7	N8/13*
93600	4	N12/13
93610	3	9/13
93620	5	N6/13*
93650	2	9,12,18/13
93652	2	12/13
93680	3	8,9,10/13
93688	3	N9/13
93690	3	8,9/13
93695	1	N8,N9,N10/13
93698	3	8,9,10/13
93710	3	8,10/13
93717	1	N8,N9/13
93720	11	9,18,28/13
93721	6	N6,N9,N13,N27,N28/13
93726	5	13/13
93730	5	N6*,N9,N13,N18, N28/13
93733	14	N5,N9,N13,N18,N26, N28/13
93734	13	N13,N18,N26,N28/13
93736	25	N5,N26,N27/13
93778	8	8,10,11,13/13
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94016	3	3,12/13
94028	8	10,14,16,25,28/13
94033	6	10,16,19,20,23/13
94042	10	N1/13*
94060	12	11/13
94061	6	12,13/13
94082	9	12/13
94083	12	12/13
94084	1	12/13
94120	7	4,11/13
94123	10	N28/13
94127	3	N28/13
94160	9	4,9,11,25,28/13
94164	2	12,14,25,26/13
94165	4	13,14/13
94180	10	12/13
94188	2	9/13
94201	1	12/13
94203	10	8,9,10,12,13,14,15,16, 17/13
94206	3	8,9,10,11,16/13
94216	9	N8/13
94217	7	N8/13
94218	6	N8/13
94220	5	8,10/13
94260	7	N1*,N16/13
94280	7	N1/13*
94281	7	N15/13
94282	9	7,8,12,13/13
94283	8	N7,N8,N10,N11,N12, N13/13
94290	3	10/13
94360	7	N15,N20/13
94363	5	N15,N20/13
94364	1	N15,N19/13
94380	5	N11/13*
94420	4	10/13
94421	11	13/13
94423	13	N17,N19/13
94427	2	N18/13
94440	4	N16/13
95060	15	N17*,N19,N23,N27/13
95065	7	N23,N25/13
95066	13	N19,N20,N21,N22,N23, N24,N25,N26,N27/13
95067	16	N22,N23,N24,N28/13
95068	3	N6*,N19,N20,N21,N22, N26,N28/13
95080	15	N11/13*
95085	5	N26,N27/13
95086	6	N26,N27/13
95100	13	27,28/13
95101	9	N28/13
95102	9	N27/13
95120	10	N22/13
95136	1	N23,N28/13
95138	9	N28/13
95140	16	21,25/13
95141	9	N25/13
95143	12	N22,N25,N28/13
95144	10	21/13
95151	19	N1/13*
95160	14	22,25,28/13
95161	18	N23,N25,N27,N28/13
95164	5	N28/13
95173	3	N27/13
95174	2	N27/13
95200	7	N17/13*
95263	1	N10,N11/13
95271	5	N5/13**
95272	3	1/13**
95277	1	N5/13*
95278	1	N1/13*
96028	5	3/13
96032	3	3,8/13
96036	2	5,21/13
96041	12	N1/13*
96042	11	13/13
96043	8	13/13
96600	4	8/13
96740	12	3/13
97000	3	3,11/13
97021	8	22,25,28/13
97022	1	N21,N22/13
97028	1	N16/13*
97050	2	N1/13*
97054	1	N16/13*
97063	2	16/13
97140	17	4/13
97183	9	16/13**
97235	2	27/13**
97254	1	N27/13*
97320	6	8/13
97342	14	3/13
97360	6	28/13
97380	7	8,28/13
97397	8	N16/13
97400	4	16/13
97420	17	8/13
97440	8	3,28/13
97441	6	N10/13*
97460	7	3,11/13
97461	10	N12/13*
97480	9	11/13
97483	7	11/13
97521	6	11/13
800564	2	N13/13**
800669	9	N12/13
800744	1	N21/13**
800778	2	N25/13**
801208	1	N25/13*
801902	9	N16/13
802202	8	N4/13
802260	6	N12/13
802659	1	N5/13
803222	1	N19,N20,N21,N22,N23, N24,N25,N27/13
803406	1	N20/13*
803427	1	N23,N28/13
803496	1	N19,N20,N23,N24,N25, N27/13
803601	1	N5/13*
803628	1	N25/13*
804344	1	N22,N23,N24,N27/13
804567	4	N11/13
805118	4	N5/13
805170	2	N25/13**
805647	2	N19/13
806902	1	N28/13
806918	1	N11/13
806939	1	N25,N28/13
806947	1	N25/13*
806959	1	N27/13
806973	1	N17*,N19,N20,N21, N26,N28/13
806978	1	N25/13*
806979	1	N13*,N23/13
807370	5	N17/13
808528	1	N25/13**
809121	1	N23,N25,N27,N28/13
809122	1	N17/13*
809144	1	N21*,N25/13
809164	1	N13/13*
809170	1	N25/13*
809187	1	N25/13*
809679	2	N13/13**

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
	REGION 1					
11ACO11330 (7642014010098)	Mermentau River to Freeport	250,000	22	4/13	NOS	28/13
11BHA11481 (7642014014489)	Approaches to Port Canaveral	25,000	8	4/13	NOS	28/13
11AHA11512 (7642014010161)	Savannah River and Wassaw Sound	40,000	63	4/13	NOS	28/13
16BCO16220 (7642014011263)	Bering Sea-St. Lawrence Island to Bering Strait	315,350	6	5/13	NOS	28/13
	MISCELLANEOUS CHARTS AND PUBLICATIONS					
DNCDX024 (7644014482139)	Sea of Okhotsk		12	5/13	DS	28/13
TOD0X015 (7644014853365)	Gulf of Mexico/Straits of Florida		5	6/13	DS	28/13
TOD0X016 (7644014853367)	Bahamas/Bermuda		6	6/13	DS	28/13
TOD0X017 (7644014853371)	Eastern United States		7	6/13	DS	28/13
TOD0X018 (7644014853369)	Northeastern United States/Canada		8	6/13	DS	28/13
TOD0X026 (7644014853372)	British Columbia		8	6/13	DS	28/13

Price Categories effective 1 October 2012

A	22.25	E	11.50	G	7.00
D	13.75	F	11.50	H	11.50

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
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COAST PILOT CORRECTIONS

COAST PILOT 1 43 Ed 2013 23 JUN 2013
LAST NM 27/13

Chapter 9—Paragraph 343; read:

(343) Local knowledge is necessary to keep in the narrow unmarked channel, which is seldom used except by small craft. An overhead power cable crosses the river about 2.4 miles above the bridge with an authorized clearance of 32 feet.

(L 1022-2013) 28/13

COAST PILOT 2 42 Ed 2013 23 JUN 2013
LAST NM 27/13

Chapter 11—Paragraph 344; read:

(344) Shoals, obstructions, and numerous wrecks are along both sides of the dredged channel in Kill Van Kull. Numerous sunken and visible wrecks are in the channel southward of Shooters Island; caution is advised.

(33 CFR 165.165) 28/13

COAST PILOT 7 45 Ed 2013 23 JUN 2013
LAST NM 27/13

Chapter 4—Paragraph 371; read:

(371) **Point Dume** is the seaward end of a rather low plateau that terminates in a dome-shaped head, about 200 feet high, rising from a bold rocky bluff. The bluff is reddish, with white cliffs E and W. A small bare rock is 150 yards S of the point, and a reef that uncovers is 150 yards farther out. Foul ground extends about 500 yards E of the reef.

(NOS 18744; LL 2013) 28/13

Chapter 8—Paragraph 157; read:

(157) **Blunts Reef**, 2.6 miles W of Cape Mendocino, is one of the outermost visible dangers in the area. The reef consists of two small black rocks awash about 230 yards apart. **Blunts Reef Lighted Bell Buoy 40** (40°26'25"N., 124°30'06"W.), is 1.6 miles WSW of the outer rock. The currents at the buoy are described in the Tidal Current Tables.

(LL 2013; LNM 23/13 CG11; NOS 18623) 28/13

Chapter 8—Paragraph 168; read:

(168) **Humboldt Bay**, 21 miles N of Cape Mendocino, is the first important harbor N of San Francisco and is used by vessels drawing up to 38 feet. Humboldt Bay is the second largest natural bay on the coast of California and as such contains many environmentally and economically important wetland habitats. In addition to being a nursery area for many species of commercially and recreationally important fish and invertebrates, Humboldt Bay also produces more than 50 percent of the oysters harvested in California. Due to Humboldt Bay's location on the Pacific Flyway, it is also an important feeding, resting and nesting area for thousands of migratory shorebirds and waterfowl. Along Humboldt Bay's shoreline, thousands of acres have been set aside by State, Federal and local agencies as wildlife habitat for a variety of threatened and endangered species. Humboldt Bay can be used as a harbor of refuge in impending bad weather, providing a vessel can get inside before the bar becomes impassable. The bay consists of two shallow basins, South Bay in the S and Arcata Bay in the N part, connected by a narrow channel about 5 miles long. Due to the sensitive nature of Humboldt Bay's environment, extreme care should be taken to utilize all best management practices when transiting Humboldt Bay, fueling or transferring fuels or lubricants and transferring cargo.

(LNM 23/13 CG11) 28/13

Chapter 8—Paragraph 179; read:

(179) From a position 1.5 miles 260° from Blunts Reef Lighted Bell Buoy 40, steer **356½°** for 5 miles, when Cape Mendocino Light (Removed; LNM 23/13) bears 126°; thence a **038½°** course made good for 20 miles leads to Humboldt Bay Entrance Lighted Whistle Buoy HB. In thick weather, after passing False Cape Rock, all dangers will be cleared by keeping in a depth of over 15 fathoms until up with the lighted whistle buoy, where anchorage should be made until a pilot is obtained.

(LNM 23/13 CG11) 28/13

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	
15294	*- Lighted Buoy MH*	41-17-18.20N 70-14-25.90W	Mo (A) W			Red and white.	Private aid.	
		*						28/13
15301	Eel Point Channel Buoy 4	41-18-28.90N 70-11-36.60W				Red nun.	Private aid.	
		*						28/13
15301.1	Eel Point Channel Buoy 4A	41-18-24.60N 70-12-01.00W				Red nun.	Private aid.	
		*						28/13
15301.5	Eel Point Channel Buoy 5	41-18-20.30N 70-12-07.90W					Private aid.	
		*						28/13
15302	Eel Point Channel Buoy 6	41-18-20.60N 70-12-12.50W				Red nun.	Private aid.	
		*						28/13
15302.1	Eel Point Channel Buoy 6A	41-18-13.10N 70-12-17.60W				Red nun.	Private aid.	
		*						28/13
15302.2	Eel Point Channel Buoy 7	41-18-11.20N 70-12-11.30W				Green can.	Private aid.	
		*						28/13
15303	Eel Point Channel Buoy 8	41-17-53.80N 70-12-17.40W				Red nun.	Private aid.	
		*						28/13
15311	- Buoy 6	41-17-02.60N 70-13-29.40W		4		Red nun	Private aid.	
		*						28/13
15319	- Buoy 15	41-17-19.60N 70-11-51.50W				Green can.	Private aid.	
		*						28/13
15320	*- Lighted Buoy 16*	41-17-17.10N 70-11-50.80W	Fl R 4s			Red.	Private aid.	
		*						28/13
15345	Tuckernuck Lagoon Buoy 2						*Remove from list.*	
							*	28/13
15345.5	*Tuckernuck Lagoon Lighted Buoy 3*						*Remove from list.*	
							*	28/13
15346	Tuckernuck Lagoon Buoy 4						*Remove from list.*	
							*	28/13
23490	- Channel Buoy 11	41-15-57.02N 72-31-24.10W				Green can.		
		*						28/13
23495	- Channel Buoy 11A	41-16-00.06N 72-31-23.99W				Green can.		
		*						28/13
27340	*- Lighted Buoy 19*	40-41-57.12N 74-00-30.45W	Fl G 2.5s		3	Green.		
	*	*	*	*	*	*	*	28/13
27345	*- Lighted Buoy 20*	40-41-46.73N 74-00-44.81W	Q R		3	Red.		
	*	*	*	*	*	*	*	28/13

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 I ATLANTIC COAST, 2013

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*27350	*- Lighted Buoy 21*	40-41-52.28N 74-01-16.13W	Q G		3	Green.	28/13
29130	*- Lighted Buoy 3*	40-37-16.07N 73-19-18.60W *	Fl G 4s		2	Green.	Replaced by can when endangered by ice. 28/13
29135	*- Lighted Buoy 6*	40-37-55.61N 73-19-34.03W *	Q R		3	Red.	Replaced by nun when endangered by ice. 28/13
29140	- Buoy 5	40-37-36.11N 73-19-23.94W *				Green can.	28/13
29145	*- Lighted Buoy 8*	40-37-52.68N 73-18-38.49W *	Fl R 2.5s		3	Red.	Replaced by nun when endangered by ice. 28/13
31440	- Buoy 77	40-38-35.11N 73-15-23.22W *				Green can.	Maintained from Apr. 1 to Nov. 15. 28/13
31445	- Buoy 78	40-38-33.80N 73-15-33.40W *				Red nun.	Maintained from Apr. 1 to Nov. 15. 28/13
31450	- Buoy 79	40-38-36.77N 73-15-14.95W *				Green can.	Maintained from Apr. 1 to Nov. 15. 28/13
31455	- Buoy 80	40-38-36.20N 73-15-05.28W *				Red nun.	Removed when endangered by ice. 28/13
31460	- Buoy 82	40-38-38.64N 73-15-01.47W *				Green can.	Maintained from Apr. 1 to Nov. 15. 28/13
31462	- Buoy 82	40-38-35.98N 73-14-59.31W *				Red nun.	Removed when endangered by ice. 28/13
31465	- Buoy 84	40-38-32.94N 73-14-51.13W *				Red nun.	Removed when endangered by ice. 28/13
31480	- Buoy 88	40-38-30.86N 73-14-47.14W *				Red nun.	28/13

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
8940	- SOUTH RANGE REAR LIGHT 3,739 yards, 222.2° from front light. *	39-20-49.84N 76-06-35.00W	F W (Night) F W (Day)	203 200		On skeleton tower.	Lighted throughout 24 hours. DAY: Visible 0.5° either side of range line. NIGHT: Visible 4.0° either side of range line. Night range emergency light, of lower intensity, will be displayed when main light is inoperative and is only visible 1.5° either side of range line. 28/13
15695	- Buoy 52	38-08-37.90N 77-04-45.62W *				Red nun.	28/13

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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	
22840	- LIGHT 7	37-57-58.53N 75-52-37.86W	Q G	15	4	SG on pile.		
					*			28/13
28730.1	- *Channel Lighted Buoy 11A*	35-12-04.23N 75-44-36.66W	Fl G 4s		4	Green can.		
		*						28/13

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	
2445	- South Jetty Buoy 2	32-43-51.32N 79-51-00.31W				Red nun.		
						*		28/13
2450	- South Jetty Buoy 1	32-43-51.01N 79-51-05.50W				Green can.		
						*		28/13
4630	- REAR LIGHT 595 yards, 288° from front light.	32-02-37.62N 80-51-30.49W	Iso W 6s	42			Visible 1.5° each side of range line. Lighted throughout 24 hours.	
		*		*				28/13
4715	- REAR LIGHT 875 yards, 264° from front light.	32-01-57.09N 80-54-25.76W	Iso W 6s	65		KRW on square skeleton tower.	Visible 2° each side of range line.	
		*		*				28/13
4770	- FRONT LIGHT	32-02-21.45N 80-55-37.15W	Q G	29		KRW on skeleton tower on piles.	Visible all around; higher intensity on range line.	
		*		*				28/13
4775	- REAR LIGHT 1,202 yards, 279.3° from front light.	32-02-27.23N 80-56-18.49W	Iso G 6s	58		KRW on skeleton tower on piles.	Visible 2° each side of range line.	
	*	*		*				28/13
4880	- FRONT LIGHT	32-04-34.95N 80-59-01.81W	Q W	23		KRW on dolphin.	Visible 2° each side of range line.	
		*		*				28/13
4885	- REAR LIGHT 377 yards, 157.1° from front light.	32-04-24.65N 80-58-56.71W	Iso W 6s	65		KRW on skeleton tower on piles.	Visible 2° each side of range line.	
	*	*		*				28/13
4945	- LOWER RANGE FRONT LIGHT	32-06-07.61N 81-00-45.42W	Q G	23			Visible 1.5° each side of range line. Lighted throughout 24 hours.	
		*		*				28/13
4950	- LOWER RANGE REAR LIGHT 221 yards, 033.3° from front light.	32-06-13.11N 81-00-41.18W	Iso G 6s	45			Visible 1.5° each side of range line. Lighted throughout 24 hours.	
	*	*		*				28/13
4955	- INBOUND RANGE FRONT LIGHT	32-05-10.63N 81-01-29.21W	Fl G 2.5s	19			Visible 4° each side of range line. Lighted throughout 24 hours.	
		*		*				28/13
4960	- INBOUND RANGE REAR LIGHT 157 yards, 213.4° from front light.	32-05-06.73N 81-01-32.23W	Iso G 6s	43			Visible 4° each side of range line. Lighted throughout 24 hours.	
	*	*						28/13

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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	
4985	- REAR LIGHT 500 yards, 066° from front light.	32-05-29.31N 81-00-54.41W	Iso R 6s	36		KRW on skeleton tower on concrete base.	Visible 2° each side of range line.	
		*		*				28/13
5045	- RANGE FRONT LIGHT	32-07-34.78N 81-08-03.42W	Q Y	15		KYB on pile.	Visible all around.	
		*						28/13
5050	- RANGE REAR LIGHT 65 yards, 148.3° from front light.	32-07-33.14N 81-08-02.22W	Iso Y 6s	24		KYB on pile.	Visible all around.	
	*	*		*				28/13
7880	POPO POINT LIGHT 19	30-01-20.12N 81-40-16.72W	Fl G 4s	16	5	SG on pile.		
					*			28/13
14985	- APPROACH LIGHT 2	24-35-04.02N 81-46-16.75W	Fl R 4s	16	5	TR on pile.		
					*			28/13
22860	*- Lighted Buoy 1*	27-47-14.74N 82-30-52.27W	Q G		4	Green.		
					*			28/13
23225	*- Lighted Buoy 18*	27-49-49.39N 82-26-43.76W	Fl R 4s		5	Red.		
					*			28/13
29370	- ENTRANCE LIGHT 1	28-58-08.27N 82-49-43.33W	Q G	16	3	SG on pile.		
		*						28/13
31310	Isla de Ramos Buoy 2	18-18-38.06N 65-35-54.19W				Red nun.		
		*						28/13
35315	- RANGE FRONT LIGHT A	32-30-14.40N 80-40-34.38W	Q R	12		KRW-I on pile.	Visible all around; higher intensity on range line.	
		*						28/13
35320	- RANGE REAR LIGHT A 365 yards, 267.8° from front light.	32-30-14.00N 80-40-47.14W	Iso R 6s	29		KRW on skeleton tower on piles.	Visible 4° each side of range line.	
	*	*		*				28/13
37365	- LIGHT 27	31-01-18.03N 81-26-09.83W	Fl G 4s	12	5	SG-SY on pile.		
					*			28/13
37415	- LIGHT 39	30-55-38.76N 81-27-08.16W	Fl G 4s	16	5	SG-SY on dolphin.		
					*			28/13
38095	- LIGHT 33	30-34-15.60N 81-27-52.44W	Fl G 4s	16	5	SG-SY on pile.		
					*			28/13
50880	- LIGHT 6A	27-13-41.28N 80-17-18.63W	Fl R 4s	18	5	TR on pile.		
					*			28/13

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CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV GULF OF MEXICO, 2013

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
455	**Shell-138-13 RACON**	28-39-42.36N 89-33-04.60W	Q W			On Shell-WD-143 platform 1.	BAND: S, X. SIGN: SH-WD-143-1. RACON: G(– – •). Private aid.	
		*		*				28/13
*932	*Rooster-104-2 Lighted Buoy*	28-31-29.31N 92-57-01.92W	Fl W 2.5s			White with orange bands.	ROOSTER-EC-246. Private aid.	
								28/13
23915	- ENTRANCE INNER RANGE FRONT LIGHT	29-22-39.55N 94-48-43.40W	Q G	25		KRW on skeleton tower on piles.	Visible all around; higher intensity 4° each side of range line.	
		*						28/13
25168	- Daybeacon 21	29-42-31.29N 95-02-48.67W				SG on pile.	Private aid.	
		*						28/13
25170	- Daybeacon 22	29-42-36.92N 95-02-55.38W				TR on pile.	Private aid.	
		*						28/13
25225	- LIGHT 108						*Remove from list.*	
							*	28/13
25255	- LIGHT 110						*Remove from list.*	
							*	28/13
25290	BAYTOWN BEND RANGE FRONT LIGHT						*Remove from list.*	
							*	28/13
34370	SHIP ISLAND LIGHT 2	30-17-10.97N 88-52-00.02W	Mo (A) W	17	5	MR-I on pile.	Ra ref.	
	*	*						28/13

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	
82	*NOAA Environmental Lighted Buoy 46047*	32-24-03.57N 119-31-34.43W	Fl (4) Y 20s			Yellow disc-shaped buoy.	Aid maintained by NOAA.	
		*						28/13
181	*NOAA Environmental Lighted Buoy 46025*	33-44-49.14N 119-03-32.49W	Fl (4) Y 20s			Yellow disc-shaped buoy.	Aid maintained by NOAA.	
		*						28/13
181.6	*NOAA Environmental Lighted Buoy 46069*	33-40-28.23N 120-12-42.79W	Fl (4) Y 20s			Yellow disc-shaped buoy.	Aid maintained by NOAA.	
		*						28/13
*296	*NOAA Environmental Lighted Buoy 46044*	36-42-01.00N 122-23-24.00W	Fl (4) Y 20s			Yellow disc-shaped buoy.	Aid maintained by NOAA.	
								28/13
560	*St. George Reef Lighted Whistle Buoy 46*						*Remove from list.*	
							*	28/13
8775	*- Channel Lighted Bell Buoy 5*	43-21-12.86N 124-19-55.07W	Q G		3	Green.		
		*						28/13
8990	- Channel Buoy 27						*Remove from list.*	
							*	28/13
18550	- RANGE FRONT LIGHT	48-00-54.98N 122-13-27.80W	Q G	20		KRB on skeleton tower.	Visible all around; higher intensity on range line.	
		*		*				28/13

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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
18555	- RANGE REAR LIGHT 339 yards, 002.7° from front light.	48-01-05.02N 122-13-27.09W	Iso G 6s	41		KRB on skeleton tower. On same structure as Snohomish River Range C Rear Daybeacon.	Visible 14° each side of range line.
		*		*			28/13
18560	- Range A Front Daybeacon	48-00-35.78N 122-13-37.08W				KRB on tripod tower.	
		*				*	28/13
18565	- Range A Rear Daybeacon 135 yards, 213.4° from front daybeacon.	48-00-33.50N 122-13-39.32W				KRB on tripod tower.	
	*	*				*	28/13
18570	- Range B Front Daybeacon	48-00-52.85N 122-13-29.51W				KRB on tripod tower.	
		*				*	28/13
18575	- Range B Rear Daybeacon 171 yards, 236.1° from front daybeacon.	48-00-50.02N 122-13-35.77W				KRB on tripod tower.	
	*	*				*	28/13
18580	- Range C Front Daybeacon	48-01-07.12N 122-13-15.25W				KRB on tripod tower.	
		*				*	28/13
18585	- Range C Rear Daybeacon 276 yards, 255° from front daybeacon.	48-01-05.00N 122-13-27.03W				KRB on skeleton tower. On same structure as Snohomish River Range Rear Light.	
	*	*					28/13
24065	- ENTRANCE LIGHT 1	57-46-20.42N 134-56-04.16W	Fl G 4s	33	4	SG on spindle.	
					*		28/13
25460	KOKENHENIC BAR CHANNEL LIGHT K	60-13-29.24N 145-09-33.15W	Fl W 4s	12	6	NR on skeleton tower.	Maintained from May 1 to Oct. 1.
		*					28/13
25465	GRASS ISLAND BAR CHANNEL LIGHT G	60-15-19.57N 145-17-55.58W	Fl W 6s	12	5	NR on skeleton tower.	Maintained from May 1 to Oct. 1.
		*					28/13
25470	PETER DAHL BAR CHANNEL LIGHT P	60-18-23.39N 145-32-48.86W	Fl W 2.5s	12	5	NR on skeleton tower.	Maintained from May 1 to Oct. 1.
		*					28/13
*25608	CORDOVA BOAT HARBOR LIGHT 1	60-32-51.26N 145-46-05.54W	Fl G 4s		5	SG on skeleton tower.	
							28/13
25615.15	- South Channel Buoy 1A	60-27-35.35N 145-58-44.56W				Green can.	
		*					28/13
25615.25	- South Channel Buoy 3	60-27-56.37N 145-58-34.28W				Green can.	
		*					28/13
25615.45	- South Channel Buoy 7	60-28-54.08N 145-56-08.95W				Green can.	
		*					28/13
25615.65	- South Channel Buoy 11	60-30-00.58N 145-54-44.50W				Green can.	
		*					28/13

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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
25615.75	- South Channel Buoy 13	60-30-42.77N 145-54-14.62W				Green can.	
		*					28/13
25615.8	- South Channel Buoy 14	60-31-00.00N 145-53-57.26W				Red nun.	
		*					28/13
25754	Mineral Creek Coast Guard Mooring Buoy						*Remove from list.*
							* 28/13
*26001	Thumb Cove Coast Guard Mooring Buoy	60-00-37.95N 149-17-43.62W				White with blue band.	
							28/13
28007.39	MFH1 FAD	21-17-30.00N 156-16-00.00W				Blue skiff.	Swing circle radius of up to 3.5 NM from charted position. Private aid.
	*						28/13
28007.41	MFH2 FAD	21-11-05.00N 155-50-00.50W				Blue skiff.	Swing circle radius of up to 3.5 NM from charted position. Private aid.
	*	*					28/13
28060	- RANGE FRONT LIGHT	19-43-56.87N 155-03-12.17W	F G	71		KRW on post.	Visible 4° each side of range line. Lighted throughout 24 hours.
		*					28/13
28065	- RANGE REAR LIGHT 468 yards, 097.2° from front light.	19-43-55.09N 155-02-57.60W	F G	127		KRW on square pyramidal skeleton tower.	Visible 4° each side of range line. Lighted throughout 24 hours.
		*					28/13
28165	- ENTRANCE DIRECTIONAL LIGHT	19-33-42.92N 155-57-43.52W	Q W (R & G sectors)	23	W 14 G 11 R 11	On same structure as Keauhou Bay Range Rear Daybeacon.	White 1° each side of channel centerline (bearing 069°). Red when right of white beam (068°-064°). Green when left of white beam (070°-074°) when entering from seaward.
		*					28/13
28170	- Range Front Daybeacon	19-33-42.71N 155-57-44.14W				KRW on post.	
		*					28/13
28175	- Range Rear Daybeacon 21 yards, 069.7° from front daybeacon.	19-33-42.92N 155-57-43.52W				KRW on post. On same structure as Keauhou Bay Entrance Light.	
		*					28/13
28340	- ENTRANCE RANGE FRONT LIGHT	20-53-26.78N 156-28-19.52W	F R	44		KRW on post.	Visible 4° each side of range line. Lighted throughout 24 hours.
		*					28/13
28345	- ENTRANCE RANGE REAR LIGHT 454 yards, 176.8° from front light.	20-53-13.30N 156-28-18.74W	F R	88		KRW on post.	Visible 4° each side of range line. Lighted throughout 24 hours.
		*					28/13
28420	- RANGE FRONT LIGHT	20-47-31.10N 156-30-40.57W	Q R	27		KRW on post.	Visible 4° each side of range line. Lighted during periods of darkness only.
		*					28/13

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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
28425	- RANGE REAR LIGHT 71 yards, 338.4° from front light.	20-47-33.01N 156-30-41.39W	Iso R 6s	44		KRW on post.	Visible 4° each side of range line. Lighted during periods of darkness only.
		*					28/13
28470	- RANGE FRONT LIGHT	20-52-20.81N 156-40-43.58W	Q G	14		KRW on post.	Visible 4° each side of range line.
		*					28/13
28475	- RANGE REAR LIGHT 42 yards, 044° from front light.	20-52-21.72N 156-40-42.65W	Iso G 6s	24		KRW on post.	Visible 4° each side of range line.
		*					28/13
28815	- RANGE REAR LIGHT 482 yards, 217.1° from front light.	21-25-53.82N 157-48-27.48W	Iso R 6s	94		KRW on post.	Visible 4° each side of range line.
		*					28/13
29190	- ENTRANCE CHANNEL RANGE REAR LIGHT 165 yards, 027.9° from front light.	21-18-23.45N 157-51-53.34W	F R	64		KRW on single pile mast.	Visible 4° each side of range line. Lighted throughout 24 hours.
		*					28/13
29245	- RANGE FRONT LIGHT	21-18-32.59N 157-53-43.04W	Q G	36		KRW on skeleton tower.	Visible 4° each side of range line.
		*					28/13
29250	- RANGE REAR LIGHT 677 yards, 007° from front light.	21-18-52.57N 157-53-40.41W	Iso G 6s	67		KRW on skeleton tower.	Visible 4° each side of range line.
		*					28/13
29510	- ENTRANCE RANGE FRONT LIGHT	21-21-07.15N 157-59-00.00W	Q G	34		KRW on skeleton tower.	Visible 4° each side of range line.
		*					28/13
29515	- ENTRANCE RANGE REAR LIGHT 300 yards, 323.5° from front light.	21-21-14.32N 157-59-05.25W	Iso G 6s	55		KRW on skeleton tower.	Visible 4° each side of range line.
		*					28/13
29652	- HARBOR ENTRANCE CHANNEL RANGE FRONT LIGHT	21-19-44.96N 158-06-53.15W	F G	50		KRW on post.	Visible 4° each side of range line.
		*					28/13
29653	- HARBOR ENTRANCE CHANNEL RANGE REAR LIGHT 125 yards, 045.9° from front light.	21-19-47.59N 158-06-50.35W	Iso G 6s	72		KRW on post.	Visible 4° each side of range line.
		*					28/13
30845	- RANGE FRONT LIGHT	14-08-11.85N 145-08-05.94E	Q G	37		KRW on post.	Visible 4° each side of range line.
							* 28/13
30850	- RANGE REAR LIGHT 30 yards, 117.2° from front light.	14-08-11.43N 145-08-06.76E	Iso G 6s	49		KRW on post.	Visible 4° each side of range line.
							* 28/13

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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
2100	*Oswego Harbor Canal Channel Lighted Buoy 6*	43-27-34.64N 76-30-41.10W	Fl R 6s		4	Red.	Maintained from May 14 to Nov. 1.
	*	*				*	* 28/13
4560	- Breakwater Light	41-29-57.15N 82-40-28.88W	Fl W 6s	30 9	12	White cylindrical tower with green band. 30	HORN: 1 blast ev 30s (3s bl-27s si). Operates by keying microphone five times on VHF channel 83A.
							* 28/13
6560	- RANGE FRONT LIGHT	41-53-46.21N 83-20-58.64W	Iso W 6s (Night)	51 16		KRW on square skeleton tower.	Lighted throughout 24 hours.
			Iso W 6s (Day)	48 15			
		*					28/13
9660	HARSENS ISLAND RANGE REAR LIGHT 525 feet, 023.5° from front light.	42-34-25.41N 82-34-29.94W	F G	38 12		White cylindrical tower.	Visible all around; higher intensity on range line.
		*		*		*	* 28/13
11565	- RANGE FRONT LIGHT	45-20-16.47N 83-29-25.11W	F G	23 7		KRW on skeleton tower.	Visible 14° each side of range line.
		*					* 28/13
11570	- RANGE REAR LIGHT 744 feet, 273.9° from front light.	45-20-16.98N 83-29-35.92W	F G	50 15		KRW on skeleton tower.	Visible 14° each side of range line.
	*	*		*			* 28/13
11790	- RIVER RANGE FRONT LIGHT	45-38-50.70N 84-28-22.03W	F R	48 15		KRW on building.	Visible 4° each side of range line. Lighted throughout 24 hours.
		*		*			28/13
11795	- RIVER RANGE REAR LIGHT 1,119 feet, 212.7° from front light.	45-38-41.41N 84-28-30.54W	F R	83 25		KRW on skeleton tower.	Visible 4° each side of range line. Lighted throughout 24 hours.
	*	*		*			28/13
11920	- Buoy 25	45-26-56.91N 84-34-42.92W				Green can.	Maintained from May 15 to Oct. 15.
	*	*				*	* 28/13
14820	- SOUTH RANGE FRONT LIGHT	46-59-36.50N 88-26-03.46W	Q W	25 8		KRW on gray skeleton tower.	Visible all around.
		*		*			28/13
14825	- SOUTH RANGE REAR LIGHT 1,673 feet, 136.2° from front light.	46-59-24.59N 88-25-46.75W	Iso W 6s	57 17		KRW on gray skeleton tower.	Visible 1.5° each side of range line.
	*	*		*			* 28/13
14860	PRINCESS POINT RANGE FRONT LIGHT	47-01-17.53N 88-28-29.30W	Q W	20 6		KRW on gray skeleton tower.	Visible all around; higher intensity on range line.
		*		*			28/13
14865	PRINCESS POINT RANGE REAR LIGHT 1,142 feet, 164.7° from front light.	47-01-06.67N 88-28-24.94W	Iso W 6s	41 12		KRW on gray skeleton tower.	Visible 1.5° each side of range line.
	*	*		*			* 28/13
15040	ROULEAU POINT RANGE FRONT LIGHT	47-11-33.22N 88-37-07.87W	Q W	26 8		KRW on skeleton tower.	Visible all around. Also serves as a leading light for Lily Pond Lower Canal.
		*		*			* 28/13

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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
15045	ROULEAU POINT RANGE REAR LIGHT 1,282 feet, 033.4° from front light.	47-11-43.78N 88-36-57.64W	F W	55 17		KRW on skeleton tower.	Visible 1.5° each side of range line.
	*	*		*			* 28/13
15185	COPPER HARBOR RANGE FRONT LIGHT	47-28-07.39N 87-51-59.25W	Q W	28 9		KWR on small red house with tower.	Visible 14° each side of range line.
		*		*		*	* 28/13
15190	COPPER HARBOR RANGE REAR LIGHT 412 feet, 190.5° from front light.	47-28-03.39N 87-52-00.34W	F W	40 12		KWR on white tapered skeleton tower.	Visible 14° each side of range line.
	*	*		*		*	* 28/13
15210	EAGLE HARBOR RANGE FRONT LIGHT	47-27-18.45N 88-09-05.25W	Q G	24 7		KRW on post.	Visible 4° each side of range line.
		*		*			* 28/13
15215	EAGLE HARBOR RANGE REAR LIGHT 1,055 feet, 149.7° from front light.	47-27-09.46N 88-08-57.51W	Iso G 6s	44 13		KRW on gray tower.	Visible 4° each side of range line.
	*	*		*			* 28/13
16323	St. Louis River Danger Buoy	46-41-43.98N 92-11-33.46W				White can with orange bands and diamonds.	
	*						28/13
21065	- RANGE FRONT LIGHT	44-48-42.59N 87-20-10.03W	Q W	26 8		KRW on skeleton tower.	Visible on range line only. Lighted throughout 24 hours.
		*		*			28/13
21070	- RANGE REAR LIGHT 1,658 feet, 120.4° from front light.	44-48-34.31N 87-19-50.19W	F W	46 14		KRW on skeleton tower.	Visible on range line only. Lighted throughout 24 hours.
	*	*		*			28/13
22180	- RANGE FRONT LIGHT	44-35-22.68N 87-57-27.74W	Q G	45 14		KRW on cylindrical tower.	Visible 5.5° each side of range line.
		*		*			* 28/13
22185	- RANGE REAR LIGHT 5,499 feet, 213.1° from front light.	44-34-37.20N 87-58-09.26W	Oc G 4s	92 28		KRW on white cylindrical tower.	Visible 4° each side of range line.
	*	*		*			* 28/13
22215	- INNER RANGE FRONT LIGHT	44-34-48.52N 87-58-59.80W	Q G	31 9		KRW on cylindrical tower.	Visible 14° each side of range line.
		*		*			* 28/13
22220	- INNER RANGE REAR LIGHT 2,498 feet, 237.5° from front light.	44-34-35.27N 87-59-28.92W	Iso G 6s	50 15		KRW on white cylindrical tower.	Visible 14° each side of range line.
	*	*		*			* 28/13

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CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2012 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
*3226 *K 4647.44*	- -Jetty, NW. head.	21° 07.8′ S 175° 11.8′ W	**Fl.G.**					28/13
*3226.5 *K 4647.45*	- - -SE., root.	21° 07.8′ S 175° 11.8′ W	**Fl.R.**					28/13

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2012 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
13960.05 *F 4663.2*	-Shoal Warning LT7.	25° 08.8′ N 121° 19.8′ E	**Q.(2)W.** period 5s fl. 0.4s, ec. 0.6s fl. 0.4s, ec. 3.6s	59 **18**	10	Black metal column.		
	*	*		*				28/13
13960.13 *F 4663.5*	- -S. head.	25° 09.4′ N 121° 22.3′ E	**Q.(2)G.** period 4s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 2.5s	33 **10**	10	Green metal pole; 25.		
			*			*		28/13
13961.5 *F 4664.2*	-S. breakwater.						*Remove from list.*	
							*	28/13
*16672.3 *M 4397.85*	Jeonchon Hang.	35° 47.3′ N 129° 29.7′ E	**Fl.R.** period 5s	49 **15**	6	Red round concrete tower; 33.		
								28/13
*16672.5 *M 4397.86*	-S. breakwater.	35° 47.4′ N 129° 29.7′ E	**Fl.G.** period 5s	46 **14**	6	White round concrete tower; 33.		
								28/13
*16672.6 *M 4397.77*	Jukjeon, breakwater.	35° 42.0′ N 129° 28.5′ E	**Fl.(2)Y.** period 6s	49 **15**	7	Yellow round beacon; 30.		
								28/13
16712 *M 4378*	**Kanjol Gap.**	35° 21.6′ N 129° 21.6′ E	**Fl.W.** period 15s	115 **35**	**26**	White octagonal concrete tower; 55.	**AIS** (MMSI 994401544). Visible 165° -045° . **Horn:** 1 bl. ev. 55s (bl. 5s, si. 50s).	
							*	28/13
17561 *M 4249.6*	Taema-Do.	34° 17.3′ N 125° 59.2′ E	**Q.(6)+L.Fl.W.** period 15s	33 **10**	8	S. CARDINAL YB, tower, topmark; 25.		
*		*						28/13
*19084.5 *F 3657.57*	Qicaobitou.	27° 46.9′ N 121° 04.2′ E	**Fl.(2)W.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	49 **15**	4	Metal framework beacon; 16.		
								28/13

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CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2012 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
27060 *F 0952*	**Krishnapatnam.**	14° 17.1′ N 80° 08.3′ E	**Fl.(3)W.** period 15s	112 **34**	**18**	White round masonry tower, black bands; 98.	
	RACON		**C(– • – •)**				
		*		*			28/13
	***Add Heading:** ***MADRAS HARBOR:**						
*27071 *F 0947*	Ennur, N. breakwater, head.	13° 15.3′ N 80° 21.1′ E	**Fl.G.** period 6s	36 **11**	8		
	RACON		**K(– • –)**				
							28/13
	***Delete Heading:** ***MADRAS HARBOR:**						
27072 *F 0936*	**-Madras.**	13° 02.4′ N 80° 16.7′ E	**Fl.(2)W.** period 10s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s	187 **57**	**28**	White triangular tower, red bands; 151.	
	-RACON		**K(– • –)**				
							28/13
28376 *F 0370*	-Navlakhi Island, NW. end.	22° 57.7′ N 70° 26.6′ E	**Fl.(3)W.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	98 **30**	12	White round concrete tower, red bands; 98.	
	-RACON		**B(– • • •)**				
				*		*	28/13
*28591 *D 7324.835*	-Wudam, breakwater, head.	23° 48.5′ N 57° 34.3′ E	**Fl.(3)W.** period 10s	13 **4**	5	Grey metal post; 7.	
							28/13
28617 *D 7315.8*	Duqm, E. breakwater, head.	19° 41.6′ N 57° 43.7′ E	**Iso.R.** period 4s	23 **7**	6	Red metal post, red square daymark; 10.	
		*					28/13
28617.1 *D 7315.81*	-N. breakwater, head.	19° 41.4′ N 57° 43.3′ E	**Iso.G.** period 4s	23 **7**	6	Green metal post, green triangular daymark; 10.	
		*					28/13
*28617.3 *D 7315.85*	-Government Berths.	19° 40.8′ N 57° 42.5′ E	**Q.G.**	10 **3**	5	Galvanized steel beacon; 3.	
							28/13
*28617.5 *D 7315.9*	-Drydock, jetty.	19° 40.1′ N 57° 43.1′ E	**Iso.W.** period 4s	23 **7**	5	Metal post;10.	
							28/13
*28617.7 *D 7315.92*	-Commercial Quay, S. corner.	19° 40.0′ N 57° 43.4′ E	**Mo.(V)W.**	23 **7**	3	Metal post; 6.	
							28/13

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CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2012 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*28617.9 *D 7315.96*	--N. corner.	19° 41.2′ N 57° 43.6′ E	**Q.R.**	10 **3**	5	Galvanized steel beacon; 3.	

28/13

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PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 28/13

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

Publication	Ed.	Notice to Mariners No.
NGA/DLIS CATALOGS CATCDLIMDIS		
Region 1	2005	11*,12,13,14,15,16,18,21,22,23,24,25,26,27,28,29,31,32,33,34,35,36,38,39,40,41,42,43,45,46,47,48,49,50,51,53/05;2,3,4,5,6,8,9,10,11,12,14,15,16,17,19,20,21,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,45,46,48,49,50,51,52/06;1,3,4,6,7,8,10,11,12,13,14,17,19,20,22,23,24,25,26,30,31,32,33,34,36,37,38,40,41,43,44,45,46,47,49,50,51,52/07;1,5,6,7,8,11,12,13,15,16,17,18,19,20,21,22,23,24,25,27,28,30,31,32,33,34,36,38,39,40,41,42,43,44,46,47,48,50,51/08;1,3,6,7,8,9,10,11,13,14,15,17,19,22,23,24,25,26,27,28,29,30,31,32,34,35,37,39,40,41,42,44,46,47,48,52/09;1,3,4,5,9,10,11,12,15,17,18,19,23,24,26,27,28,31,32,34,35,37,38,40,41,43,44,46,48,51,52/10;2,3,4,8,10,11,13,14,15,16,17,18,19,20,21,22,23,27,28,31,32,33,34,35,36,40,41,43,44,45,47,48,49,50,51,52,53/11;2,3,4,6,7,8,10,11,14,16,18,22,23,25,27,29,31,32,33,34,35,36,37,38,39,43,44,45,46,47,52/12;1,2,3,4,6,7,8,9,10,11,12,13,16,17,18,19,20,21,22,23,24,25,26,27,28/13
Region 2	2005	11*,25,41/05;8,12,13,14,20,23,25,26,27,29,31,37,39,42/06;3,10,12,13,21,24,32,34,51/07;21,31,34,45,48,49/08;1,3,7,23,25,30,31,39,41,48,50/09;6,8,10,11,16,17,19,24,26,27,28,30,32,35,37,38,40,43,46,47,49/10;7,8,9,10,14,15,18,19,21,23,26,27,29,34,35,41,45,49,51,53/11;3,4,6,7,8,10,16,17,21,22,25,26,34,36,37,38,39,44/12;3,4,5,6,7,8,10,11,12,13/13
Region 3	2005	11*,12,13,14,16,17,19,23,24,25,27,31,32,34,35,37,40,45,46,47,51/05;4,5,8,12,15,17,18,20,21,22,23,25,26,27,29,30,32,40,42,43,47,52/06;2,3,4,5,6,7,9,11,12,13,14,20,21,24,27,28,29,30,37,38,42,44/07;6,7,8,10,16,21,25,26,27,31,32,33,36,37,38,46,49,52/08;4,5,16,20,22,25,33,34,39,40,41,42,43/09;6,7,12,13,18,22,26,31,37,39,46/10;14,18,21,26,29,32,34,37,38,40,43,44,53/11;1,2,3,4,5,6,13,21,24,26,29,30,31,34,37,38,39,40,41,42,44,45,51,52/12;1,5,6,7,8,9,10,11,15,16,17,18,22,24,25,26,27/13
Region 4	2005	11/05*;20,43/07;17,20,25,43,45/08;5,26,29,35,39,42,43,44,45,49/09;5,11,12,18,19,27,30,32,44,49/10;7,8,9,11,15,16,17,18,21,23,27,34,42,44,45,48/11;4,5,8,20,21,34,36,38,40,41,43/12;1,6,8,9,15,18,22,24,25,26,27/13
Region 5	2005	11*,14,18,20,22,23,28,36,41,43,45,49/05;4,5,7,9,10,12,14,27,32,45/06;3,20,23,25,28,30,31,41/07;8,13,17,20,22,25,29,31,33,36,38,40,51/08;1,5,6,7,8,9,10,11,12,16,18,19,24,25,30,31,38,39,41,44,48,50/09;5,10,11,16,17,18,22,26,27,28,32,37,38,39,46/10;9,10,14,15,17,20,21,22,28,34,42,43,44,53/11;6,16,21,22,24,25,29,31,33,34,37,39,41,42,43,48,52/12;1,4,5,6,7,8,11,12,15,18,21,24,25,26,27/13
Region 6	2005	11*,18,23,28,43,46,52/05;5,7,10,12,14,16,25,30,35,36,40,41,42,43,45,50/06;3,6,7,10,12,20,28,30,35,39,41,42,50/07;3,7,8,11,13,15,20,22,32,34,37,43,45,46/08;7,8,14,16,18,23,38,41,48/09;10,19,28,32,46/10;9,10,11,37/11;1,11,17,20,21,22,26,29,32,33,34,36,37,42,52/12;1,5,6,7,12,18,21,24,26,27/13
Region 7	2005	11*,14,43,47,52/05;12,14,15,17,18,19,20,21,25,27,35,42,45,46,47,48,49,52/06;3,4,8,9,10,11,12,13,14,15,16,17,18,19,20,23,30,34,35,36,39,42,50/07;1,7,10,16,17,20,22,25,26,37,42,43,48/08;1,8,10,11,12,13,14,20,22,41,43/09;17,22,36,39,41,42,44,45,46,47,49/10;9,17,34,35,52/11;4,6,22,36,42,47/12;7,15,23,24,25,26/13
Region 8	2005	11*,23,53/05;15,16,25,32,35,39,52/06;10,20,23,39,40,41/07;8,21,36,39,49,51/08;5,7,14/09;19,22,24,32,37,42,49/10;27/11;12,17,24/13
Region 9	2005	11*,43,47,52/05;2,4,5,8,21,22,25,27,29,32,39,40,42,45/06;3,4,7,10,13,21,22,28,29,34,38,40,41,50/07;3,7,8,10,17,19,20,24,25,32,33,34,36,38,43,45,48,49/08;1,5,8,9,10,13,14,18,24,25,30,33,34,35,39,43,44,48,50/09;5,10,12,19,32,38,44,46/10;9,10,11,12,18,21,22,33,34,44,45,46,48,49,50,51,52,53/11;1,3,4,5,6,8,9,10,12,13,14,16,17,20,21,22,26,27,29,33,34,36,37,38,39,41,42,44,45,46,51,52/12;1,5,6,8,10,11,12,16,17,22,24,27/13

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS THROUGH NM 28/13

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

Publication	Ed.	Notice to Mariners No.
Miscellaneous Charts and Publications	2005	11*,12,13,14,15,16, 18,19,20,21,22,24, 25,27,28,29,31,32, 33,35,36,37,38,39, 41,42,43,44,46,47, 48,50,52,53/05;1,3, 4,5,6,7,9,10,11,13, 14,15,16,17,18,19, 20,22,23,24,25,26, 27,28,29,30,31,32, 35,36,39,40,41,42, 44,45,46,49,50,51, 52/06;1,3,4,6,7,10, 13,17,18,19,21,22, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,43,44,45, 46,47,48,49,50,51, 52/07;1,2,3,4,6,7,8, 9,10,11,12,13,14,16, 17,18,19,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 44,45,46,47,48, 52/08;1,2,3,4,6,7,8, 9,10,11,12,13,17,18, 19,20,22,24,25,26, 27,28,29,30,31,32, 34,35,36,37,38,39, 40,41,42,43,45,46, 47,48,49,50,51, 52/09;2,3,4,5,6,7,8, 9,10,11,12,13,14,15, 17,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32,33,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,50/10;3,4,5,6,7,8, 9,10,11,12,13,14,15, 16,17,18,19,20,21, 22,23,24,25,26,27, 29,30,31,32,33,34, 35,36,38,39,40,41, 42,43,44,45,46,47, 48,50,51,52,53/11;2, 3,4,5,6,7,10,12,13, 14,16,17,18,19,20, 21,22,23,24,25,26, 27,29,30,31,32,33, 34,35,36,37,38,39, 40,41,43,45,46,47, 48,49,52/12;1,2,4,5, 6,7,8,10,11,12,13, 15,16,17,18,19,20, 21,22,23,24,25,26, 27,28/13
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PUB 110	2013	18*,21,22,23,24,25, 27/13
PUB 111	2012	34*,36,38,39,41,42, 44,45,46,47,48,49, 50,52/12;3,4,5,6,7,8, 9,10,11,13,14,15,18, 19,28/13
PUB 112	2012	49*,51,52/12;2,4,6, 7,8,9,10,11,12,13, 14,15,16,17,18,19, 20,21,22,23,25,26, 27,28/13
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PUB 191	2010	43/10*
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PUB 194	2013	26/13*
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DIGITAL PUBS - QUARTERLY	2013	N18/13*
FLEET GUIDES		
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PUB 941	2012	N49/12*
NOS MISCELLANEOUS PUBLICATIONS		
CATALOG A	2012	22/12*
CATALOG G	2012	18/12*
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AIR ALMANAC	2014	27/13*
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COAST PILOT 1	43	12*,27,28/13
COAST PILOT 2	42	41*,46,50,51/12;7,8, 11,16,20,21,22,23, 27,28/13
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PUB 9	2002	36/02*;14,38/03; 40/05
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PUB 102	2003	20/03*
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PUB 1310	2001	51/01*
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PUB 229 VOL. 2	1970	11/71*
PUB 229 VOL. 3	1970	7/71*
PUB 229 VOL. 4	1970	3/71*
PUB 229 VOL. 5	1970	3/71*
PUB 229 VOL. 6	1970	23/70*
SIGHT REDUCTION TABLES (AIR)		
PUB 249 VOL. 1	2007	38/07*
PUB 249 VOL. 2	1952	46/52*
PUB 249 VOL. 3	1952	46/52*
CHART NO. 1		
CHART NO. 1	2013	25/13*
CHART NO. 4		
CHART NO. 4	1988	N23/91*
ATLAS OF PILOT CHARTS		
PUB 106	2002	42/03*
PUB 107	1998	30/99*
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COMDTINSTM166722 D	1999	44/99*;52/00;16/04; 24/13
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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 021400Z July 2013:

2011 series	610(GEN)	208(GEN)	314(24)	362(28)	383(GEN)
385(28)	707(27,28)	255(28)	333(GEN)	364(GEN)	385(GEN)
2012 series	2013 series	286(24)	341(26,27,28)	368(11)	
40(28)	167(GEN)	293(11)	350(11)	371(28)	
286(GEN)	183(11)	298(28)	359(28)	375(28)	
460(24,25)	188(11)	304(51)	361(28)	380(GEN)	

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 and 26/13.

NAVAREA IV WARNINGS issued from 271500Z June to 021400Z July 2013.

376/13 thru 379/13. CANCELED.

380/13(GEN).
1. NAVAREA IV WARNINGS IN FORCE AS OF 291000Z JUN 13.
   2011 SERIES: 385(28).
   2012 SERIES: 40(28), 286(GEN), 460(24,25), 610(GEN), 707(27,28).
   2013 SERIES: 167(GEN), 183(11), 188(11), 208(GEN), 255(28), 286(24), 293(11), 298(28), 304(51), 309(28), 312(28), 314(24), 333(GEN), 341(26,27,28), 350(11), 358(28), 359(28), 360(28), 361(28), 362(28), 364(GEN), 368(11), 371(28), 375(28), 378(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 AND 26/13.
3. CANCEL NAVAREA IV 365/13.

(291027Z JUN 2013)

381/13 and 382/13. CANCELED.

383/13(GEN).
GPS SATELLITE SYSTEM.
PRN 03 UNUSABLE.

(301840Z JUN 2013)

384/13. CANCELED.

385/13(GEN).
NORTH AMERICAN ICE SERVICE (NAIS) ICEBERG BULLETIN.
1. 020001Z JUL ICEBERG LIMIT ALONG TRACKLINE JOINING 47-55N 053-05W, 48-15N 048-15W, 48-45N 047-30W, 51-15N 047-30W, 55-00N 052-00W, 60-00N 059-45W.
2. WESTERN ICEBERG LIMIT ALONG TRACKLINE BETWEEN 50-15N 061-00W AND 49-15N 058-15W.
3. SEA ICE LIMIT ALONG TRACKLINE JOINING 54-10N 057-25W, 54-25N 055-35W, 55-15N 054-35W, 56-25N 056-50W, 57-00N 058-15W, 58-00N 059-00W, 61-00N 060-30W, 64-00N 057-55W.
4. 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.
5. CANCEL THIS MSG 030001Z JUL 13.

(012200Z JUL 2013)

386/13 thru 388/13. CANCELED.

HYDROLANTS

Messages in force 021400Z July 2013:

2008 series	2275(24)	618(37)	1291(37)	1464(GEN)	1568(52)
1354(24)	2305(24)	620(GEN)	1293(11,26)	1473(11,26)	1570(24)
1463(24)	2501(37)	799(GEN)	1296(42,43)	1490(35,36)	1571(24)
2010 series	2565(24)	808(43)	1300(11,26)	1491(25)	1572(24)
845(24)	2788(55)	846(51)	1306(44)	1495(13)	1573(24)
2011 series	2839(37)	856(35)	1310(43)	1496(35,37)	1574(24)
483(24)	2842(24)	857(35)	1320(35,43)	1503(24)	1577(GEN)
881(56)	2908(37)	902(24)	1331(56)	1505(37,43)	1578(35)
1291(37)	2977(24)	903(24)	1334(26,28)	1516(53)	1579(GEN)
1331(37,43)	2994(24)	906(43)	1336(54,56)	1518(43)	1580(57)
1401(24)	2013 series	922(35)	1365(37)	1530(35)	1582(12)
1652(35)	7(54)	945(37)	1378(57)	1531(28)	1583(37)
1681(24)	9(54)	946(24)	1390(55)	1541(37)	1584(GEN)
1879(24)	10(54)	1018(57)	1392(43)	1547(51)	1585(37)
1966(37)	11(54)	1020(57)	1395(55)	1551(24)	1586(23,29,57)
2012 series	202(24)	1038(24)	1400(GEN)	1555(24)	1589(51)
117(53)	277(24)	1076(24)	1401(57)	1557(44)	1590(24)
441(24)	281(24)	1105(37)	1402(57)	1558(37)	1591(23)
641(35,43)	345(24)	1151(37)	1406(36)	1561(25)	1592(57)
751(37)	420(52)	1174(52)	1425(37)	1562(37)	
1491(35)	525(24)	1230(37)	1426(24)	1563(57)	
1956(24)	565(35,37)	1269(37)	1428(57)	1565(55)	
2057(24)	566(51,57)	1273(24)	1430(24)	1566(55)	
2118(35)	572(37)	1277(55)	1440(36)	1567(52)	

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 and 26/13.

HYDROLANT WARNINGS issued from 271500Z June to 021400Z July 2013.

1558/13(37).
EASTERN NORTH ATLANTIC.
BAY OF BISCAY.
GUNNERY.
1. GUNNERY EXERCISES 021830Z TO 021930Z,
031730Z TO 031930Z AND 042000Z TO 042130Z JUL
WITHIN 15 MILES OF 47-24.23N 005-28.20W.
2. CANCEL THIS MSG 042230Z JUL 13.

(271436Z JUN 2013)

1559/13 and 1560/13. CANCELED.

1561/13(25).
EASTERN CARIBBEAN SEA.
GUADELOUPE.
SIX METER M/V KNOTTY, BLUE HULL, ONE PERSON ON BOARD,
OVERDUE FROM LE MOULE (16-19.8N 061-20.7W). VESSELS
IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC FORT DE FRANCE, INMARSAT-C: 422799024,
TELEX: 42912008, PHONE: 59 659 670 9292,
FAX: 59 659 663 2450, E-MAIL: ANTILLES@MRCCFR.EU.

(271639Z JUN 2013)

1562/13(37).
BAY OF BISCAY.
7.5 METER S/V TEU TEU, WHITE HULL WITH BLACK STRIPES,
DISABLED AND ADRIFT IN 44-30.7N 003-38.8W
AT 271720Z JUN. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC ETEL, TELEX: 42950519,
PHONE: 332 975 53535, FAX: 332 975 54934,
E-MAIL: ETEL@MRCCFR.EU.

(271932Z JUN 2013)

1563/13(57).
EASTERN SOUTH ATLANTIC.
NAMIBIA.
SOUTH AFRICA-WEST COAST.
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V OSPREY EXPLORER TOWING 8100 METER
LONG CABLE IN AREA BOUND BY

28-57.0S 012-00.0E, 28-54.0S 013-12.5E,
30-32.0S 013-32.5E, 30-40.0S 012-51.0E.
SIX MILE BERTH REQUESTED.

(280751Z JUN 2013)

1564/13. CANCELED.

1565/13(55).
BLACK SEA.
ROMANIA.
ORDNANCE.
CHART 55120
1. MINE IN 44-21.97N 028-50.65E.
NAVIGATION PROHIBITED WITHIN ONE MILE.
2. CANCEL HYDROLANT 1559/13.

(281257Z JUN 2013)

1566/13(55).
BLACK SEA.
ROMANIA.
ORDNANCE.
CHART 55120
POSSIBLE MINEFIELD IN AREA BOUND BY
44-14.1N 028-52.2E, 44-13.9N 028-51.9E,
44-20.4N 028-46.8E, 44-20.5N 028-47.2E.

(281316Z JUN 2013)

1567/13(52).
WESTERN MEDITERRANEAN SEA.
TUNISIA-NORTH COAST.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 01 THRU 31 JUL
IN AREA BETWEEN
37-45N 38-00N AND 010-15E 010-30E.
2. CANCEL THIS MSG 01 AUG 13.

(281329Z JUN 2013)

1568/13(52).
EASTERN MEDITERRANEAN SEA.
TUNISIA-EAST COAST.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 01 THRU 31 JUL
IN AREA BETWEEN
35-30N 35-40N AND 011-30E 011-50E.
2. CANCEL THIS MSG 01 AUG 13.

(281343Z JUN 2013)

1569/13. CANCELED.

1570/13(24).
BRAZIL-SOUTHEAST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 060259Z JUL
BY M/V SANCO STAR IN AREA BOUND BY
23-06.43S 041-08.03W, 23-10.20S 041-05.77W,
23-08.88S 041-03.20W, 23-08.85S 041-05.55W.
SEVEN MILE BERTH REQUESTED.
2. CANCEL THIS MSG 060359Z JUL 13.

(290040Z JUN 2013)

1571/13(24).
BRAZIL-SOUTHEAST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 060259Z JUL BY
M/V OCEAN EUROPE TOWING THREE 200 METER
LONG CABLES IN AREA BOUND BY
23-05.55S 041-08.63W, 23-11.17S 041-05.23W,
23-08.62S 041-00.30W, 23-03.02S 041-03.70W.
SEVEN MILE BERTH REQUESTED.
2. CANCEL THIS MSG 060359Z JUL 13.

(290047Z JUN 2013)

1572/13(24).
BRAZIL-SOUTHEAST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 060259Z JUL BY
M/V RAMFORM VIKING TOWING TEN 8100 METER
LONG CABLES IN AREA BOUND BY
23-27.42S 039-29.52W, 22-43.97S 040-01.83W,
23-12.60S 040-47.50W, 23-57.18S 040-15.35W.
SEVEN MILE BERTH REQUESTED.
2. CANCEL THIS MSG 060359Z JUL 13.

(290055Z JUN 2013)

1573/13(24).
BRAZIL-SOUTH COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 060259Z JUL
BY M/V WESTERN NEPTUNE TOWING 12
10000 METER LONG CABLES
IN AREA BOUND BY
24-37S 042-11W, 25-07S 041-19W,
26-54S 042-31W, 26-23S 043-25W.
SEVEN MILE BERTH REQUESTED.
2. CANCEL THIS MSG 060359Z JUL 13.

(290105Z JUN 2013)

1574/13(24).
BRAZIL-SOUTHEAST COAST.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0900Z TO 2130Z DAILY
03 AND 04 JUL IN AREA BOUND BY
22-58.72S 042-02.15W, 23-01.00S 042-00.00W,
23-07.00S 042-00.00W, 23-07.00S 042-04.48W,
23-01.20S 042-04.48W.
2. CANCEL THIS MSG 042230Z JUL 13.

(290114Z JUN 2013)

1575/13 and 1576/13. CANCELED.

1577/13(GEN).
1. HYDROLANT WARNINGS IN FORCE 291000Z JUN 13. ONLY THOSE
WARNINGS ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2013 SERIES: 1269(37), 1273(24), 1277(55), 1291(37), 1293(11,26),
1296(42,43), 1300(11,26), 1306(44), 1310(43), 1320(35,43),
1331(56), 1334(26,28), 1336(54,56), 1338(52), 1339(52), 1365(37),
1366(37), 1378(57), 1387(51), 1390(55), 1392(43), 1395(55),
1400(GEN), 1401(57), 1402(57), 1404(24), 1406(36), 1425(37),
1426(24), 1428(57), 1430(24), 1440(36), 1444(57), 1464(GEN),
1473(11,26), 1490(35,36), 1491(25), 1495(13), 1496(35,37),
1503(24), 1505(37,43), 1516(53), 1518(43), 1530(35), 1531(28),
1541(37), 1547(51), 1551(24), 1555(24), 1557(44), 1558(37),
1561(25), 1562(37), 1563(57), 1564(54,56), 1565(55), 1566(55),
1567(52), 1568(52), 1570(24), 1571(24), 1572(24), 1573(24),
1574(24), 1575(23,24), 1576(24).
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 AND 26/13.
3. CANCEL HYDROLANT 1497/13, 1513/13,
1517/13, 1527/13, 1529/13.

(291028Z JUN 2013)

1578/13(35).
EASTERN NORTH ATLANTIC.
IRELAND.
1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 23 JUL
BY M/V JAMES COOK WITH SUBMERSIBLE
IN AREA BOUND BY
55-57N 009-20W, 55-27N 010-15W,
55-20N 009-50W, 55-48N 008-30W.
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 24 JUL 13.

(291124Z JUN 2013)

1579/13(GEN).
EUROPE-NORTHWEST COAST.
1. LORAN-C STATION ANTHORN, RATE 6731-Y, OFF AIR
0700Z TO 1700Z DAILY 01 THRU 08 JUL.
2. CANCEL THIS MSG 081800Z JUL 13.

(291142Z JUN 2013)

1580/13(57).
GULF OF GUINEA.
NIGERIA.
1. SEISMIC SURVEY 010001Z JUL TO 152359Z SEP
BY M/V WG TASMAN TOWING 12 600 METER
LONG CABLES IN AREA BOUND BY
04-02N 008-09E, 03-49N 008-18E,
03-37N 008-02E, 03-51N 007-52E.
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 160059Z SEP 13.

(291705Z JUN 2013)

1581/13. CANCELED.

1582/13(12).
WESTERN NORTH ATLANTIC.
39 FOOT S/V ELUSIVE, BLUE HULL, DISABLED AND ADRIFT
VICINITY 38-08.4N 073-07.9W. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC NORFOLK, PHONE: 757 398 6390,
OR NEAREST COAST GUARD UNIT.

(292347Z JUN 2013)

1583/13(37).
ENGLAND-SOUTHEAST COAST.
CHART 37140
ORFORD NESS LIGHT 52-05.0N 001-34.6E DISCONTINUED.

(300451Z JUN 2013)

1584/13(GEN).
GPS SATELLITE SYSTEM.
PRN 03 UNUSABLE.

(301842Z JUN 2013)

1585/13(37).
SOUTHERN NORTH SEA.
CHART 37057
1. ALL NAVIGATIONAL AIDS AT PLATFORMS INOPERATIVE:
A. 49/17-CD 53-25.4N 002-22.5E.
B. 49/17-HD 53-29.8N 002-19.4E.
2. PLATFORMS UNLIT:
A. 49/17-DD 53-26.4N 002-23.6E.
B. 49/17-GD 53-26.8N 002-15.3E.
3. CANCEL HYDROLANT 1366/13.

(302309Z JUN 2013)

1586/13(23,29,57).
SOUTH ATLANTIC.
SCOTIA SEA.
ICE.
1. ICEBERGS REPORTED:
A. B15B, 56-18S 16-11W.
B. A62, 55-58S 29-36W.
2. CANCEL THIS MSG 041715Z JUL 13.

(011718Z JUL 2013)

1587/13 and 1588/13. CANCELED.

1589/13(51).
EASTERN NORTH ATLANTIC.
WESTERN SAHARA.
1. SEISMIC SURVEY IN PROGRESS UNTIL 15 JUL
BY M/V BGP PROSPECTOR TOWING TEN
FIVE MILE LONG CABLES IN AREA BOUND BY
22-48.0N 017-21.0W, 22-43.0N 018-15.0W,
21-05.5N 018-04.0W, 21-11.0N 017-10.0W.
SEVEN MILE BERTH REQUESTED.
2. CANCEL THIS MSG 16 JUL 13.

(020644Z JUL 2013)

1590/13(24).
WESTERN SOUTH ATLANTIC.
URUGUAY.
1. SEISMIC SURVEY BY M/V RAMFORM VANGUARD
TOWING 12 7000 METER LONG CABLES:
A. 02 JUL ALONG TRACKLINE BETWEEN
35-17.92S 051-22.90W AND 34-37.92S 052-25.32W.
B. 02 AND 03 JUL ALONG TRACKLINE BETWEEN
35-34.50S 052-18.85W AND 35-14.28S 051-16.58W.
NINE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 04 JUL 13.

(020654Z JUL 2013)

1591/13(23).
WESTERN SOUTH ATLANTIC.
URUGUAY.
1. SEISMIC SURVEY 02 JUL BY M/V HAWK EXPLORER
TOWING 12000 METER LONG CABLE ALONG TRACKLINE BETWEEN
36-28.65S 051-59.83W AND 36-22.80S 050-22.82W.
TEN MILE BERTH REQUESTED.
2. CANCEL THIS MSG 03 JUL 13.

(020713Z JUL 2013)

1592/13(57).
EASTERN SOUTH ATLANTIC.
NAMIBIA.
1. SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE BY M/V EXPLORER IN AREA BOUND BY
27-13.1S 015-12.5E, 28-13.8S 015-09.6E,
28-01.8S 015-37.2E, 28-00.0S 015-39.0E.
ONE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 1444/13.

(020841Z JUL 2013)

1593/13. CANCELED.

NAVAREA XII

Messages in force 021400Z July 2013:

2012 series	334(21)	95(GEN)	152(21)	157(18)	161(19)
110(97)	2013 series	119(21)	153(21)	159(GEN)	162(GEN)
200(17)	83(GEN)	144(GEN)	154(GEN)	160(18,19)	163(18)

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 and 26/13.

NAVAREA XII WARNINGS issued from 271500Z June to 021400Z July 2013.

157/13(18).
EASTERN NORTH PACIFIC.
CALIFORNIA.
MISSILES.
1. HAZARDOUS OPERATIONS 1500Z TO 2000Z DAILY
02 AND 03 JUL IN AREA BOUND BY
34-00-24N 119-47-04W, 33-39-16N 119-07-02W,
33-11-53N 119-07-02W, 32-17-52N 120-10-50W,
33-47-15N 121-09-59W, 34-05-24N 120-30-04W,
33-49-00N 120-30-04W.
2. CANCEL THIS MSG 032100Z JUL 13.

(271620Z JUN 2013)

158/13. CANCELED.

159/13(GEN).
1. NAVAREA XII WARNINGS IN FORCE AS OF 291000Z JUN 13.
2012 SERIES: 110(97), 200(17), 334(21).
2013 SERIES: 83(GEN), 95(GEN), 119(21), 137(18),
144(GEN), 152(21), 153(21), 154(GEN), 157(18).
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 AND 26/13.
3. CANCEL NAVAREA XII 156/13.

(291031Z JUN 2013)

160/13(18,19).
EASTERN NORTH PACIFIC.
MISSILES.
1. HAZARDOUS OPERATIONS 051800Z TO 060027Z JUL,
ALTERNATE 1800Z TO 2227Z DAILY 06 AND 07 JUL
IN AREAS:
A. BETWEEN 34-50N 34-52N AND 120-36W 120-49W.
B. BOUND BY
34-58N 123-55W, 34-57N 120-50W,
34-38N 120-50W, 34-38N 123-55W.
C. BOUND BY
34-32N 126-20W, 34-55N 126-21W,
34-57N 125-47W, 34-33N 125-45W.
D. BOUND BY
30-25N 152-13W, 32-03N 152-47W,
32-27N 151-12W, 33-00N 149-28W,
33-49N 143-35W, 32-23N 143-13W,
32-05N 143-13W.
E. BOUND BY
27-06N 170-21W, 31-24N 157-45W,
28-24N 156-24W, 24-06N 169-00W.
2. CANCEL THIS MSG 072327Z JUL 13.

(300642Z JUN 2013)

161/13(19).
NORTH PACIFIC.
MISSILES.
1. HAZARDOUS OPERATIONS 051830Z TO 060030Z JUL,
ALTERNATE 1830Z TO 2230Z DAILY 06 AND 07 JUL
IN AREA BOUND BY
30-24N 158-24W, 29-12N 161-24W,
27-54N 160-36W, 29-06N 157-36W.
2. CANCEL THIS MSG 072330Z JUL 13.

(300648Z JUN 2013)

162/13(GEN).
GPS SATELLITE SYSTEM.
PRN 03 UNUSABLE.

(301843Z JUN 2013)

163/13(18).
EASTERN NORTH PACIFIC.
CALIFORNIA.
MISSILES.
1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY IN AREA BOUND BY 34-02N 119-04W, 33-52N 119-06W, 33-29N 118-37W, 33-20N 118-37W, 32-11N 120-16W, 31-54N 121-35W, 35-09N 123-39W, 35-29N 123-00W, 35-57N 121-32W, 34-04N 119-04W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON VHF CHANNEL 11 OR 16 BEFORE ENTERING AREA AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS AS POSSIBLE DURING THE SPECIFIC PERIODS. AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING IN VICINITY OF THE SEA RANGE IF TRANSITING VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 137/13.

(010918Z JUL 2013)

HYDROPACS

Messages in force 021400Z July 2013:

2011 series	2533(62)	995(93)	1579(74)	1857(94)	1899(76)
1561(56)	2920(22)	1063(63)	1589(74)	1858(94)	1900(GEN)
1701(63)	3511(62)	1076(63)	1590(74)	1860(95)	1904(63)
2286(71)	3618(74)	1110(76)	1604(93)	1861(95)	1906(63)
2812(71)	3678(63)	1178(63)	1620(96)	1862(95)	1907(81)
2877(96)	2013 series	1211(22)	1632(73)	1864(94)	1909(62)
3539(95)	18(63)	1247(93)	1643(71)	1866(19)	1910(63)
3552(96)	97(63)	1290(63)	1657(62)	1872(76)	1915(63)
2012 series	220(63)	1314(93)	1719(74,75,76)	1875(22)	1916(93)
408(94)	320(63)	1346(74)	1720(74)	1877(62)	1918(62)
1079(97)	487(61)	1356(74)	1791(74)	1878(61,63)	1919(81)
1222(97)	598(63)	1374(74)	1801(62)	1885(93)	1920(63)
1377(94,95)	797(63)	1394(62)	1837(93)	1891(GEN)	1922(81)
1555(96)	822(74)	1456(61)	1838(63)	1894(22)	1923(71)
1734(GEN)	836(63)	1481(74)	1840(63)	1895(22)	
1824(76)	865(GEN)	1537(73)	1855(63)	1896(21)	
1847(63)	899(75)	1550(22)	1856(97)	1898(81)	

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 and 26/13.

HYDROPAC WARNINGS issued from 271500Z June to 021400Z July 2013.

1870/13 and 1871/13. CANCELED.

1872/13(76).
NEW ZEALAND.
NORTH ISLAND-WEST COAST.
1. SEISMIC SURVEY 30 JUN UNTIL FURTHER NOTICE
IN AREA BOUND BY
39-03.21S 174-02.85E, 38-57.70S 174-07.32E,
38-57.93S 174-11.75E, 38-59.00S 174-14.55E.
500 METER BERTH REQUESTED.
2. CANCEL HYDROPAC 1870/13(71), PERSON RESCUED.

(280427Z JUN 2013)

1873/13 and 1874/13. CANCELED.

1875/13(22).
EASTERN SOUTH PACIFIC.
CHILE.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 1130Z TO 2359Z DAILY
02 THRU 05 JUL IN AREA BOUND BY
22-30S 071-30W, 22-30S 071-00W,
23-25S 071-00W, 23-23S 071-30W.
2. CANCEL HYDROPAC 1874/13(18), FALSE ALERT.
3. CANCEL THIS MSG 060059Z JUL 13.

(280530Z JUN 2013)

1876/13. CANCELED.

1877/13(62).
PERSIAN GULF.
U.A.E.
CHART 62498
ISOLATED DANGER BUOY 25-25.3N 055-06.2E UNLIT.

(280826Z JUN 2013)

1878/13(61,63).
WESTERN INDIAN OCEAN.
1. F/V CHUN YING DESTROYED BY FIRE IN 01-13.28N 055-24.17E.
DERELICT LIFERAFT RECOVERED IN 01-06N 055-25E.
15 PERSONS REMAIN MISSING. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO IMB PIRACY REPORTING CENTER,
PHONE: 603 2031 0014, FAX: 603 2078 5769,
E-MAIL: IMBKL@ICC-CCS.ORG, PIRACY@ICC-CCS.ORG.
2. CANCEL HYDROPAC 1851/13.

(281053Z JUN 2013)

1879/13 thru 1884/13. CANCELED.

1885/13(93).
SOUTH CHINA SEA.
1. SEISMIC SURVEY 02 JUL THRU 05 SEP BY M/V VIKING II
TOWING EIGHT 7500 METER LONG CABLES
IN AREA BOUND BY
08-11-59N 107-37-09E, 08-12-32N 108-37-45E,
07-40-45N 108-37-56E, 07-40-16N 107-37-24E.
FIVE MILE BERTH REQUESTED.
2. CANCEL HYDROPAC 1387/13.
3. CANCEL THIS MSG 06 SEP 13.

(281543Z JUN 2013)

1886/13 thru 1890/13. CANCELED.

1891/13(GEN).
1. HYDROPAC WARNINGS IN FORCE 291000Z JUN 13. ONLY THOSE
WARNINGS ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2013 SERIES: 1456(61), 1481(74), 1520(97), 1537(73), 1550(22),
1579(74), 1589(74), 1590(74), 1604(93), 1620(96), 1629(63),
1632(73), 1633(63), 1643(71), 1657(62), 1719(74,75,76),
1720(74), 1729(97), 1791(74), 1801(62), 1802(GEN), 1825(81,97),
1837(93), 1838(63), 1840(63), 1855(63), 1856(97), 1857(94),
1858(94), 1859(91), 1860(95), 1861(95), 1862(95), 1864(94),
1866(19), 1868(63), 1872(76), 1875(22), 1877(62), 1878(61,63),
1883(72), 1885(93), 1887(71), 1889(76), 1890(63).
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 AND 26/13.
3. CANCEL HYDROPAC 1648/13, 1675/13, 1687/13,
1696/13, 1783/13, 1803/13, 1811/13,
1817/13, 1829/13, 1888/13.

(291034Z JUN 2013)

1892/13 and 1893/13. CANCELED.

1894/13(22).
EASTERN SOUTH PACIFIC.
CHILE.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 1600Z TO 2000Z DAILY
04 AND 08 JUL IN AREA BETWEEN
33-07S 33-22S AND 072-15W 071-57W.
2. CANCEL THIS MSG 082100Z JUL 13.

(292126Z JUN 2013)

1895/13(22).
EASTERN SOUTH PACIFIC.
CHILE.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 1100Z TO 1900Z DAILY
04 AND 05 JUL IN AREA BETWEEN
36-20.0S 36-30.0S AND 073-13.6W 073-01.2W.
2. CANCEL THIS MSG 052000Z JUL 13.

(292136Z JUN 2013)

1896/13(21).
EASTERN NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED IN 07-04N 106-00W. 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.

(292252Z JUN 2013)

1897/13. CANCELED.

1898/13(81).
NORTH PACIFIC.
MARSHALL ISLANDS.
MISSILES.
1. HAZARDOUS OPERATIONS 051830Z TO 060030Z JUL,
ALTERNATE 1830Z TO 2230Z DAILY 06 AND 07 JUL
IN AREA BOUND BY
08-50N 167-36E, 09-18N 168-42E,
09-30N 168-42E, 12-18N 171-58E,
14-15N 174-24E, 14-36N 174-12E,
13-12N 172-20E, 11-58N 170-42E,
09-40N 168-00E, 09-06N 167-30E.
2. CANCEL THIS MSG 072330Z JUL 13.

(300653Z JUN 2013)

1899/13(76).
NEW ZEALAND.
NORTH ISLAND-WEST COAST.
CHART 76060
1. DANGEROUS WRECK VICINITY 37-49.6S 174-45.9E.
2. CANCEL HYDROPAC 1893/13.

(301036Z JUN 2013)

1900/13(GEN).
GPS SATELLITE SYSTEM.
PRN 03 UNUSABLE.

(301845Z JUN 2013)

1901/13 thru 1903/13. CANCELED.

1904/13(63).
ARABIAN SEA.
INDIA-WEST COAST.
MAN OVERBOARD FROM M/V ALIGOTE VICINITY 21-44N 067-46E
AT 010545Z JUL. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC MUMBAI, INMARSAT-C: 441907210,
PHONE: 9122 2438 8065, FAX: 9122 2431 6558,
9122 2433 3727, E-MAIL: INDSAR@VSNL.NET,
ICGMRCCMUMBAI@MTNL.NET.IN.

(010711Z JUL 2013)

1905/13. CANCELED.

1906/13(63).
ARABIAN SEA.
INDIA-WEST COAST.
1. THREE CONTAINERS ADRIFT IN:
A. 22-37.00N 068-58.00E.
B. 22-33.03N 068-55.53E.
C. 22-49.50N 069-03.30E.
2. CANCEL HYDROPAC 1890/13.
3. CANCEL THIS MSG 040753Z JUL 13.

(010753Z JUL 2013)

1907/13(81).
NORTH PACIFIC.
MARIANA ISLANDS.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 020001Z TO 021355Z JUL
AND 2000Z TO 1355Z COMMENCING DAILY
03 THRU 06 JUL WITHIN TEN MILES OF
16-01-06N 146-03-35E.
2. CANCEL THIS MSG 071455Z JUL 13.

(010952Z JUL 2013)

1908/13. CANCELED.

1909/13(62).
SOUTHERN PERSIAN GULF.
UNITED ARAB EMIRATES.
1. GEOPHYSICAL SURVEY IN PROGRESS UNTIL 03 JUL
BY M/V FUGRO ADVENTURER IN:
A. 24-56.3N 053-02.7E.
B. 24-57.0N 053-02.5E.
C. 24-57.8N 053-02.2E.
D. 24-58.6N 053-02.0E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 04 JUL 13.

(011111Z JUL 2013)

1910/13(63).
INDIA-EAST COAST.
CHART 63270
1. PULICAT DGPS STATION 13-25.15N 080-19.36E OFF AIR.
2. CANCEL HYDROPAC 1004/13(62), SURVEY COMPLETED.

(011241Z JUL 2013)

1911/13 thru 1914/13. CANCELED.

1915/13(63).
ARABIAN SEA.
INDIA-WEST COAST.
MAN OVERBOARD FROM PLATFORM VICINITY 19-35N 071-19E AT
010952Z JUL. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC MUMBAI,
INMARSAT-C: 441907210, PHONE: 9122 2438 8065,
FAX: 9122 2431 6558, 9122 2433 3727,
E-MAIL: INDSAR@VSNL.NET, ICGMRCCMUMBAI@MTNL.NET.IN.

(020422Z JUL 2013)

1916/13(93).
SOUTH CHINA SEA.
1. F/V BTH 96996 TS SANK IN 10-35N 110-50E. 18 PERSONS
RECOVERED, ONE PERSON REMAINS MISSING. 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.
2. CANCEL HYDROPAC 1908/13.

(020450Z JUL 2013)

1917/13. CANCELED.

1918/13(62).
PERSIAN GULF.
ORDNANCE.
1. UNDERWATER ORDNANCE DETONATIONS 020300Z TO 051600Z JUL
WITHIN 3000 METERS OF:
A. 27-48.64N 050-29.16E.
B. 26-50.00N 051-19.00E.
2. CANCEL THIS MSG 051700Z JUL 13.

(020633Z JUL 2013)

1919/13(81).
NORTH PACIFIC.
MARIANA ISLANDS.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 030300Z TO 031355Z JUL
WITHIN TEN MILES OF 16-01-06N 146-03-35E.
2. CANCEL THIS MSG 031455Z JUL 13.

(020734Z JUL 2013)

1920/13(63).
INDIA-WEST COAST.
CHART 63063
SUBMERGED CONTAINER VICINITY 22-31.41N 069-03.27E.

(020833Z JUL 2013)

1921/13. CANCELED.

1922/13(81).
WESTERN NORTH PACIFIC.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN
12-36.2N 137-24.9E. 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.

(020838Z JUL 2013)

1923/13(71).
EASTERN INDIAN OCEAN.
INDONESIA.
1. DERELICT FIVE METER VESSEL PARTIALLY SUBMERGED
AND ADRIFT VICINITY 08-59.3S 106-13.6E AT 020427Z JUL.
2. CANCEL THIS MSG 050904Z JUL 13.

(020904Z JUL 2013)

1924/13. CANCELED.

HYDROARCS

Messages in force 021400Z July 2013:

2010 series	161(15)	148(16)	220(GEN)	17(43)	61(42)
56(15)	2012 series	160(15,16)	221(15)	22(43)	64(42)
71(15)	102(16,96)	193(15)	227(16,41,96)	45(15)	67(42)
102(15)	112(15)	197(15)	256(16,96)	47(42,43)	70(GEN)
103(16,41)	131(16)	198(15)	260(42)	52(43)	
2011 series	138(16)	206(16)	2013 series	58(42,43)	
160(42)	144(15)	212(16)	16(GEN)	59(GEN)	

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 and 26/13.

HYDROARCS WARNINGS issued from 271500Z June to 021400Z July 2013.

65/13 and 66/13. CANCELED.

67/13(42).
ARCTIC.
BARENTS SEA.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0400Z TO 1600Z DAILY
03 AND 04 JUL IN AREA BETWEEN
69-32.5N 69-38.5N AND 034-19.5E 034-48.0E.
2. CANCEL THIS MSG 041700Z JUL 13.

(281912Z JUN 2013)

68/13 and 69/13. CANCELED.

70/13(GEN).
GPS SATELLITE SYSTEM.
PRN 03 UNUSABLE.

(301846Z JUN 2013)

71/13 and 72/13. CANCELED.

MARAD ADVISORIES

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

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NGA Maritime Safety Web site (http://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 2 July 2013: 00-7, 05-1, 06-1, 07-1, 10-3, 10-6, 10-7, 11-3, 11-5, 12-1, 13-1, 13-2, 13-3 and 13-4.

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 2 July 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.

11324 38th Ed. Jun 2013 NEW EDITION NAD 83 (NOS Silver Spring, MD)
GULF COAST - TEXAS - GALVESTON BAY ENTRANCE - Galveston and Texas City Harbors 1:25,000
(New edition due to numerous Notice to Mariner, hydrographic, and topographic changes)

12332 24th Ed. Jun 2013 NEW EDITION NAD 83 (NOS Silver Spring, MD)
EAST COAST - NEW JERSEY - RARITAN RIVER - Raritan Bay to New Brunswick 1:20,000
(New edition due to numerous Notice to Mariner changes)

13287 13th Ed. Jun 2013 NEW EDITION NAD 83 (NOS Silver Spring, MD)
EAST COAST - MAINE - SACO BAY AND VICINITY 1:20,000
(New edition due to topographic changes)

13298 11th Ed. Jun 2013 NEW EDITION NAD 83 (NOS Silver Spring, MD)
EAST COAST - MAINE - KENNEBEC RIVER - Bath to Courthouse Point 1:15,000
(New edition due to various general changes)

18649 68th Ed. Jun 2013 NEW EDITION NAD 83 (NOS Silver Spring, MD)
WEST COAST - CALIFORNIA - ENTRANCE TO SAN FRANCISCO BAY 1:40,000
(New edition due to numerous Notice to Mariner changes)

NGA CHART NEW EDITIONS AND THEIR AVAILABILITY

NGA standard nautical hardcopy chart products are made available and distributed by three different authorized methods:

1) The mailing and shipping of charts to Department of Defense (DoD) customers and other authorized U.S. Government users by the Defense Logistics Agency (DLA)
2) The posting of selected new charts (as large .pdf print files) to NGA websites for access by Department of Defense (DoD) customers and other authorized U.S. Government users
3) The print-on-demand access of all public release NGA charts by the National Ocean Service (NOS) and official NOS chart agents, on behalf of NGA

The posting of selected new NGA charts (as large .pdf print files) to NGA websites for access by Department of Defense (DoD) customers and other authorized U.S. Government users is normally made the day after NGA clears the New Edition for release and the chart is sent to be printed in mass quantity for DLA stock. The traditional NGA printed paper chart is then usually available some six to eight weeks later from DLA and sent out on automatic distribution. For those charts set for public sale, they are available a week after NGA release from the National Ocean Service at http://www.nauticalcharts.noaa.gov/staff/charts.htm. Regardless of how the NGA chart is obtained by the customer (downloaded from NGA website, distributed from DLA, or obtained through NOS) each is official, should be put into service

immediately, and meets all Federal chart carriage requirements immediately upon its release. Each should also be updated from the dates shown in the lower left corner of the chart through the US Notice to Mariners. For questions, contact NGA at mcdepod@nga.mil.

Through a special arrangement between the National Ocean Service and NGA, all NOAA charts are also available (as large .pdf print files) on the NGA websites for Department of Defense (DoD) customers and other authorized U.S. Government users. These NOAA chart files are updated every week for all Notice to Mariners (NGA, USCG, and Canadian Coast Guard). The official NGA web sites for downloading selected NGA and NOAA charts are:

- JWICS: http://www.geoint.nga.ic.gov/products/dnc1/epods/index.htm
- NIPRNet: https://www.geointel.nga.mil/products/dnc/epods/index.htm
- SIPRNet: http://www.geoint.nga.smil.mil/products/dnc1/epods/index.htm

This week's new editions released by NGA are listed below. These NGA charts are now available for download as large .pdf print files at the above mentioned web sites.

38603	3rd Ed. June 1, 2013 NEW EDITION	WGS-84	(NGA Springfield, VA)
	REYKJAVIK		1:15,000
	(Correct through NM 22/13).		Limited Distribution
52079	1st Ed. June 29, 2013 NEW CHART	WGS-84	(NGA Springfield, VA)
	PORT OF VALENCIA		1:10,000
	(Correct through NM 26/13).		Limited Distribution

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	49/04
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	5/12
35130	35ACO35056	UK 1942	12/06	
35135	35ACO35057	UK 2249	27/07	39/10
35136	35ACO35058	UK 2250	27/07	39/10
35141	35ACO35059	UK 2162	21/07	33/09
35144	35XCO35062	UK 2584	27/07	49/08
35150	35ACO35063	UK 1119	27/07	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	5/13
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	
36138	36AHA36033	UK 3275	39/04	29/12
36139	36BHA36034	UK 3274	39/04	45/12
36140	36ACO36035	UK 1178	39/04	10/13
36141	36BHA36036	UK 2878	41/04	11/13
36161	36BHA36039	UK 1152	52/04	45/12
36162	36BHA36041	UK 1182	1/05	45/12
36163	36BHA36042	UK 1176	1/05	8/13
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	20/07
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	39/10
37081	37AHA37017	UK 2045	32/05	25/13
37083	37AHA37019	UK 2037	25/05	39/10
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	11/13
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	17/05
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	9/13
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
97064	97BHA97055	Jpn. W1100	39/12	
97082	97BHA97084	W64A	9/12	
97083	97BHA97085	W64B	9/12	
97108	97BHA97095	Jpn. W1049	38/12	
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	
97185	97BHA97031	Jpn. W1057B	49/11	
97188	97BHA97033	Jpn. W1052	38/12	
97189	97BHA97034	Jpn. W1055B	49/11	
97204	97AHA97191	Jpn. W131	11/11	
97220	97AHA97197	Jpn. W1103	29/12	
97221	97AHA97198	Jpn. W106	11/11	
97225	97AHA97210	Jpn. W150A	46/11	

97226	97XHA97211	Jpn. W1110	3/12	
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	
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	
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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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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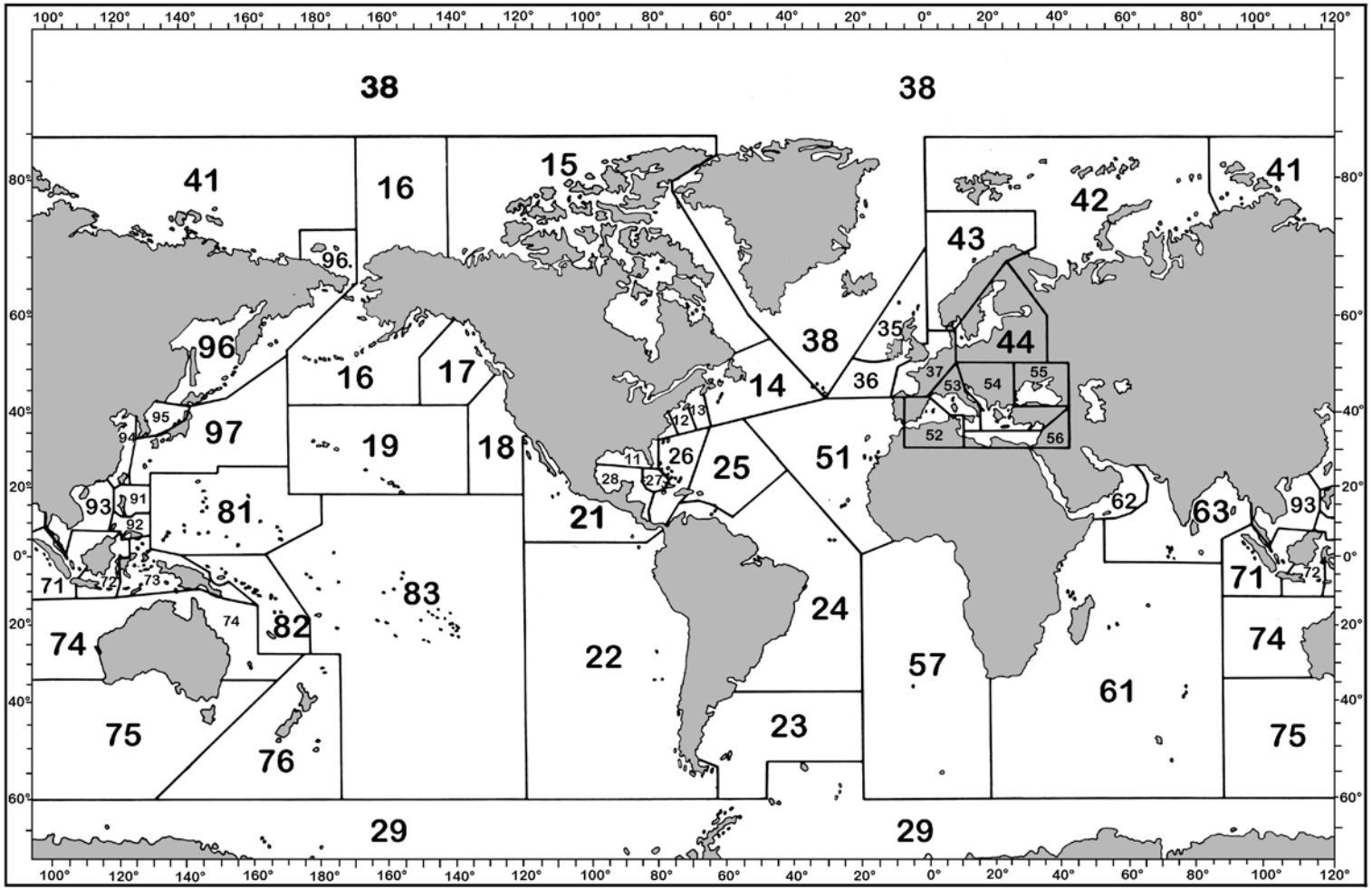

GEOGRAPHIC LOCATOR

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