



U.S. Department
of Homeland Security
**United States
Coast Guard**

LOCAL NOTICE TO MARINERS

District: 9

Week: 05/16

Issued by: Commander (dpw)
Ninth Coast Guard District
1240 East Ninth Street,
Cleveland, OH 44199-2060
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Direct questions about this LNM to the above address.

All distances in this publication are STATUTE MILES unless otherwise noted.

District Nine Internet Address <http://www.uscg.mil/d9/uscgd9.html>

District Nine Local Notice to Mariners email Address D09-DG-District-D9-LocalNoticetoMariners

** Navigation Information Service watchstander, 24 hours a day at (703) 313-5900 ** **Internet Address** <http://www.navcen.uscg.gov/>

Light List Reference: Commandant Publication P16502.7, VOL VII, 2016 Edition

Coast Pilot Reference: 2015 U.S. Coast Pilot 6 Great Lakes 45th Edition

Coast Pilots, along with corrections are available at: <http://nauticalcharts.noaa.gov/nsd/cpdownload.htm>

The Local Notice to Mariners is available on the Internet at <http://www.navcen.uscg.gov/?pageName=InmMain> You will also have links to other government agencies- web pages including the US Army Corps of Engineers and the National Ocean Service.

REPORT DISCREPANCIES IN AIDS TO NAVIGATION TO THE NEAREST COAST GUARD UNIT

The Ninth District and all Sector offices for their areas of responsibility issue a BROADCAST NOTICE TO MARINERS.

The following Broadcast Notice to Mariners have been incorporated into this week's Local Notice to Mariners:

Sector Buffalo, NY - B002-16 through B002-16

Ninth District - C008-16 through C008-16

Sector Detroit, MI - D006-16 through D007-16

Sector Lake Michigan, WI - M021-16 through M027-16

Sector Sault Ste Marie, MI - S019-16 through S019-16

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, is staffed 24 hours a day, 7 days a week. The NIS provides information on the current operational status, effective policies, and general information for GPS and DGPS. The

NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM), and the latest Notice Advisory to Navstar Users (NANU). NANU notices can be obtained via email subscription through the USCG Navigation Center website: <http://cgls.uscg.mil/mailman/listinfo/nanu>. In addition, the NIS investigates all reports of degradation or loss of GPS, DGPS or AIS service. Users are encouraged to report all degradation or loss of radio navigation services to the NIS via any of the following: Phone: (703) 313-5900, mail to: webmaster@smtp.navcen.uscg.mil, or on the internet at: <http://www.navcen.uscg.gov>

ABBREVIATIONS

A through H

ADRIFT - Buoy Adrift
AICW - Atlantic Intracoastal Waterway
AI - Alternating
B - Buoy
BKW - Breakwater
bl - Blast
BNM - Broadcast Notice to Mariner
bu - Blue
C - Canadian
CHAN - Channel
CGD - Coast Guard District
C/O - Cut Off
CONT - Contour
CRK - Creek
CONST - Construction
DAYMK/Daymk - Daymark

I through O

I - Interrupted
ICW - Intracoastal Waterway
IMCH - Improper Characteristic
INL - Inlet
INOP - Not Operating
INT - Intensity
ISL - Islet
Iso - Isophase
kHz - Kilohertz
LAT - Latitude
LB - Lighted Buoy
LBB - Lighted Bell Buoy
LHB - Lighted Horn Buoy
LGB - Lighted Gong Buoy
LONG - Longitude
LNM - Local Notice to Mariners

P through Z

PRIV - Private Aid
Q - Quick
R - Red
RACON - Radar Transponder Beacon
Ra ref - Radar reflector
RBN - Radio Beacon
REBUILT - Aid Rebuilt
RECOVERED - Aid Recovered
RED - Red Buoy
REFL - Reflective
RRL - Range Rear Light
RELIGHTED - Aid Relit
RELOC - Relocated
RESET ON STATION - Aid Reset on Station
RFL - Range Front Light
RIV - River

DBN/Dbn - Daybeacon
 DBD/DAYBD - Dayboard
 DEFAC - Defaced
 DEST - Destroyed
 DISCON - Discontinued
 DMGD/DAMGD - Damaged
 ec - eclipse
 EST - Established Aid
 ev - every
 EVAL - Evaluation
 EXT - Extinguished
 F - Fixed
 fl - flash
 Fl - Flashing
 G - Green
 GIWW - Gulf Intracoastal Waterway
 HAZ - Hazard to Navigation
 HBR - Harbor
 HOR - Horizontal Clearance
 HT - Height

LT - Light
 LT CONT - Light Continuous
 LTR - Letter
 LWB - Lighted Whistle Buoy
 LWP - Left Watching Properly
 MHz - Megahertz
 MISS/MSNG - Missing
 Mo - Morse Code
 MRASS - Marine Radio Activated Sound Signal
 MSLD - Misleading
 N/C - Not Charted
 NGA - National Geospatial-Intelligence Agency
 NO/NUM - Number
 NOS - National Ocean Service
 NW - Notice Writer
 OBSCU - Obscured
 OBST - Obstruction
 OBSTR - Obstruction
 Oc - Occulting
 ODAS - Anchored Oceanographic Data Buoy

RRASS - Remote Radio Activated Sound Signal
 s - seconds
 SEC - Section
 SHL - Shoaling
 si - silent
 SIG - Signal
 SND - Sound
 SPM - Single Point Mooring Buoy
 SS - Sound Signal
 STA - Station
 STRUCT - Structure
 St M - Statute Mile
 TEMP - Temporary Aid Change
 TMK - Topmark
 TRLB - Temporarily Replaced by Lighted Buoy
 TRLT - Temporarily Replaced by Light
 TRUB - Temporarily Replaced by Unlighted Buoy
 USACE - Army Corps of Engineers
 W - White
 Y - Yellow

Additional Abbreviations Specific to this LNM Edition:

LIB - Lighted Ice Buoy

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

CAUTION TO BE USED IN RELIANCE UPON AIDS TO NAVIGATION

The aids to navigation depicted on charts comprise a system of fixed and floating aids to navigation with varying degrees of reliability. Prudent mariners will not rely solely on any single aid to navigation, particularly a floating aid to navigation. With respect to buoys, the buoy symbol is used to indicate the approximate position of the buoy body and the sinker which secures the buoy to the seabed. The approximate position is used because of the practical limitations in positioning and maintaining buoys and their sinkers in precise geographical locations. These limitations include, but are not limited to, inherent imprecision in position fixing methods, prevailing atmospheric and sea conditions, slope of and the material making up the seabed, the fact that buoys are moored to sinkers by varying length of chain, and the fact that the buoy body and/or sinker positions are not under continuous surveillance, but are normally checked only during periodic maintenance visits which often occur more than a year apart. Due to the forces of nature, the position of the buoy body can be expected to shift inside and outside the charted symbol. The mariner is also cautioned that buoys may be extinguished or sound signals may not function as the result of ice, running ice, or other natural causes, collisions, or other accidents. For the foregoing reasons, a prudent mariner must not rely completely upon the position or operation of floating aids to navigation, but will also utilize bearings from fixed objects and aids to navigation on shore. Further, a vessel attempting to pass close aboard always risks collision with a yawing buoy or with the obstruction that the buoy marks.

LNM: 06/14

IMPORTANT SAFETY NOTICE ABOUT THE RELIABLE OPERATION OF ECDIS

Following an announcement by the International Maritime Organization (IMO) concerning potential display anomalies in some ECDIS systems, the International Hydrographic Organization (IHO) issued an ENC Data Presentation and Performance Check in October 2011. This check is intended to assist mariners and to help determine the extent of the anomalies. IHO has received reports from mariners confirming that a number of ECDIS fail to display some significant underwater features in the "Standard" display mode. For all significant objects to be visible to the mariner, these ECDIS must be operated in "Full display" or "All display" mode until a software upgrade is made available from the manufacturer. Mariners are strongly encouraged to use the IHO ENC Data Presentation and Performance Check issued through ENC service providers and also available directly from the IHO website (www.iho.int) to check the operation of their ECDIS and to determine whether their system is affected. IHO Circular Letter 33/2012 is available on the Coast Guard's Navigation Center website (<http://www.navcen.uscg.gov>) under the heading News and Notices.

LNM: 12/12

RANGE STRUCTURES

The U.S. Coast Guard has become aware that Coast Guard information used to depict a rangeline on NOAA Electronic Navigational Charts (ENC) may not be of sufficient accuracy to accurately portray the rangeline on the ENC. Mariners are cautioned that the position of a rangeline as shown on an ENC may not reflect its true position.

LNM: 04/11

USACE NOTICE TO NAVIGATION INTERESTS

Current Federal Channel conditions, shoaling, and the most recent channel surveys are available at the following Army Corps of Engineers web sites:

Buffalo: <http://www.lrb.usace.army.mil/>
Detroit: <http://www.lre.usace.army.mil/>
Chicago: <http://www.lrc.usace.army.mil/>
Rock Island: <http://www.mvr.usace.army.mil/>

LNM: 28/12

GREAT LAKES- AIS PROGRAM

The following aids to navigation have been established as either synthetic or virtual ATON. Synthetic AIS ATON is a signal broadcasted from an AIS base station to coincide with an existing physical aid to navigation. Virtual AIS ATON is a signal broadcasted from an AIS base station that is electronically charted, but non-existent as a physical aid to navigation. Buoys and lighted buoys that are replaced by a can or nun winter mark will be synthetic AIS ATON year round. Buoys and lighted buoys that are not replaced with a can or nun winter mark will be synthetic AIS ATON during their advertised season in the light list and virtual AIS ATON when not on station.

LNM: 42/15

St. Lawrence Seaway - Carleton Island to Charity Shoal - Chart 1430 (C)

Tibbetts Point Light (LLNR 1735)

LNM: 42/15

Lake Erie - Erie Harbor - Chart 14835

Erie Harbor Entrance Lighted Bell Buoy "1" (LLNR 3515)

Erie Harbor Entrance Lighted Buoy "5" (LLNR 3535)

LNM: 42/15

Lake Erie - Toledo Harbor - Chart 14847

Maumee Bay Entrance Lighted Buoy "1" (LLNR 6045)

Maumee Bay Lighted Buoy "10" (LLNR 6090)

Maumee Bay Lighted Buoy "21" (LLNR 6155)

Maumee Bay Lighted Buoy "30" (LLNR 6195)

LNM: 42/15

Lake Erie - Sandusky harbor - Chart 14845

Moseley Channel Lighted bell Buoy "1" (LLNR 4580)

Moseley Channel Lighted Buoy "2" (LLNR 4585)

LNM: 42/15

Lake Erie - Monroe Harbor - Chart 14846

Monroe Harbor Lighted Buoy "1" (LLNR 6570)

Monroe Harbor Lighted Buoy "2" (LLNR 6575)

LNM: 42/15

Detroit River - Chart 14848

East Outer Channel Lighted Buoy "16" (LLNR 6960)

Amherstburg Channel Lighted Buoy "23" (LLNR 6965)

River Rouge Canal Entrance Lighted Buoy "2" (LLNR 8160)

Belle Isle Lower Junction Lighted Buoy (LLNR 8205)

Belle Isle North Lighted Buoy "113" (LLNR 8245)

Peche Island Lighted Buoy "114" (LLNR 8255)

LNM: 42/15

Lake St. Clair - Chart 14850

Lake St. Clair Lighted Buoy "2" (LLNR 8420)

Lake St. Clair Lighted Buoy "8" (LLNR 8450)

Lake St. Clair Lighted Buoy "29" (LLNR 8565)

Lake St. Clair Lighted Buoy "30" (LLNR 8570)

LNM: 42/15

St. Clair River - Chart 14852

Russel Island Shoal Lighted Buoy "R1" (LLNR 9745)
Fawn Island Lighted Buoy "38" (LLNR 9780)
Marine City Shoal Lighted Buoy "40" (LLNR 9790)
St. Clair Middle Ground Lighted Buoy "52" (LLNR 9885)
Stag Island Lighted Buoy "58" (LLNR 9935)

LNM: 42/15

Lake Huron - Lake Huron Cut - Chart 14862

Lake Huron Cut Lighted Buoy "1" (LLNR 10035)
Lake Huron Cut Lighted Buoy "11" (LLNR 10085)
Lake Huron Cut Lighted Buoy "12" (LLNR 10090)

LNM: 42/15

Lake Huron - Saginaw Bay - Chart 14867

Charity Island Shoal Lighted Bell Buoy "1" (LLNR 10530)
Charity Island Shoal Lighted Buoy "3" (LLNR 10535)
Saginaw Bay Channel Lighted Buoy "5" (LLNR 10600)
Saginaw Bay Channel Lighted Buoy "6" (LLNR 10605)
Saginaw Bay Channel Lighted Buoy "15" (LLNR 10660)
Saginaw Bay Channel Lighted Buoy "16" (LLNR 10665)

LNM: 42/15

Lake Huron - Harrisville to Forty Mile Point - Chart 14864

Alpena Junction Lighted Buoy "AL" (LLNR 11390)
Nordmeer Wreck Lighted Buoy "WR1" (LLNR 11505)

LNM: 42/15

Straits of Mackinac - De Tour Passage to Waugoshance Point - Chart 14881

Round Island Lighted Buoy "3" (LLNR 12575)
Round Island Lighted Buoy "5" (LLNR 12590)

LNM: 42/15

Lake Superior - Duluth Harbor - Chart 14975

Duluth Harbor Basin Traffic Buoy (LLNR 15870)

LNM: 42/15

Lake Michigan - Waugoshance to Seul Choix Point - Chart 14911

New Shoal Lighted Buoy "1" (LLNR 17740)
New Shoal Lighted Bell Buoy "3" (LLNR 17745)
Grays Reef passage Channel Lighted Buoy "7" (LLNR 17780)

LNM: 42/15

Lake Michigan - Platte Bay to Leland - Chart 14912

Pyramid Point Shoal Lighted Buoy "5" (LLNR 18350)
Sleeping Bear Lighted Bell Buoy "7" (LLNR 18365)

LNM: 42/15

Lake Michigan - Calumet and Indiana harbor - Chart 14929

Chicago Lake Front Northeast Shoal Lighted Buoy "2" (LLNR 19790)

LNM: 42/15

Lake Michigan - Upper Green Bay - Chart 14909

St. Martin Island Shoal Lighted Buoy "2" (LLNR 21435)
Chambers island West Shoal Lighted Bell Buoy "3" (LLNR 21900)
Green island Southeast Shoal Buoy "2" (LLNR 21975)

LNM: 42/15

Lake Michigan - Big Bay De Noc - Chart 14908

Southwest Drisco Shoal Lighted Buoy "DA" (LLNR 21605)

LNM: 42/15

Lake Michigan - Little Bay De Noc - Chart 14915

Little Bay De Noc Lighted buoy "8" (LLNR 21630)

LNM: 42/15

Lake Michigan - Menominee and Marinette Harbors - Chart 14917

Menominee Entrance Lighted Buoy "1" (LLNR 21920)

Menominee Entrance Lighted Buoy "2" (LLNR 21925)

LNM: 42/15

Lake Michigan - Lower Green Bay - Chart 14910

Sherwood Point Traffic Lighted Bell Buoy (LLNR 22005)

LNM: 42/15

Lake Michigan - Head of Green bay - Chart 14918

Green Bay Harbor Entrance Channel Lighted Buoy "1" (LLNR 22105)

Green Bay Harbor Entrance Channel Lighted Bell Buoy "2" (LLNR 22110)

Green Bay Harbor Entrance Channel Lighted Buoy "5" (LLNR 22125)

Green Bay Harbor Entrance Channel Lighted Buoy "9" (LLNR 22145)

Green Bay Harbor Entrance Channel Lighted Buoy "10" (LLNR 22150)

LNM: 42/15

SPECIAL NOTICE

USCG NATION-WIDE AUTOMATIC IDENTIFICATION SYSTEM (NAIS) NETWORK TESTING

On August 10, 2015, the U.S. Coast Guard will begin AIS Application Specific Message (AIS-ASM) testing. The test transmissions will occur between 0001-2359Z, 7 days/week. The test messages can be identified by their Maritime Mobile Service (MMSI) number: 300669139 or 00366613 and by the words "USCG TEST" within the contents of the message. Mariners are requested to contact the USCG Navigation Center at 1-703-313-5900 or TIS-PF-NISWS@uscg.mil with any questions, comments, or to report any safety and/or operational impacts caused by this testing.

Application Specific Messages to be tested include: messages 6, 8, 25, and 26, DAC=367, FI's=22, 29, 33, 35; AIS Safety Related Text (SRM) messages: 8 (DAC=001, FI=0) and 14. The messages will be of various lengths, using repetitions of the text "USCG TEST". For further information on AIS messages, DACs, and FI's visit <http://www.navcen.uscg.gov/?pageName=AISMessages>.

LNM: 31/15

REDUCED COVERAGE OF NATIONWIDE DIFFERENTIAL GLOBAL POSITIONING SYSTEM (NDGPS)

The U.S. Coast Guard, the U.S. Army Corps of Engineers (USACE), and the U.S. Department of Transportation (DOT) seek comment on a proposal to reduce coverage provided by the Nationwide Differential Global Positioning System (NDGPS). The proposal calls for the shutdown and decommissioning of 62 DGPS sites, leaving 22 operational sites available to users in coastal areas. Termination of the NDGPS broadcast at these sites is planned to occur on January 15, 2016. Comments must be received by November 16, 2015. The full notice and directions on submitting comments can be found via this link: <https://www.federalregister.gov/articles/2015/08/18/2015-20401/nationwide-differential-global-positioning-system-ndgps>.

LNM: 33/15

THE DATES OF LATEST EDITIONS, NAUTICAL CHARTS AND MISCELLANEOUS MAPS

Up to date information on latest editions, nautical charts and miscellaneous maps can be found at the following web address: <http://www.nauticalcharts.noaa.gov/>

LNM: 32/13

COAST PILOT 6-NEW EDITION

PUBLICATION—National Oceanic Atmospheric Administration (NOAA)—U.S. Coast Pilot 6, Great Lakes and their connecting waterways, 45th Edition, 2015, has been issued and is ready for free download and weekly updates at <http://nauticalcharts.noaa.gov/nsd/cpdownload.htm>.

Only Print-on-Demand (POD) bound copies are available for purchase; see <http://www.nauticalcharts.noaa.gov/staff/charts.htm#POD>.

The 2015 Edition cancels the preceding 2014 Edition, and incorporates all previous corrections.

LNM: 07/15

THE 2016 ELECTRONIC LIGHT LIST

The 2016 Light List is now available.

Coast Guard Light Lists are a means for communicating aids to navigation information to the maritime public. The last government printed Light Lists were the 2014 editions. While the Light Lists will no longer be available in government printed form, commercial reproductions may be available for purchase from maritime service providers. Local Notices to Mariners will continue to advertise Light List corrections and NAVCEN will continue to publish a compilation of corrections.

2016 Light Lists are available on the USCG Navigation Center's website at: <http://www.navcen.uscg.gov/?pageName=lightLists>

Complete versions of the 2016 Light Lists are updated weekly on the NAVCEN website and mariners should download applicable copies and updates as needed at: <http://www.navcen.uscg.gov/?pageName=lightListWeeklyUpdates>.

A summary of 2016 Light List corrections are available at: <http://www.navcen.uscg.gov/?pageName=lightListCorrections>

Guidance for use of electronic navigation publications onboard U.S. vessels can be found at: http://www.uscg.mil/hq/cgcv/cvc/policy/policy_letters/543/CG-543_pol10-05.pdf

LNM: 02/16

CORRECTIONS TO U.S. CHART NO. 1, EDITION 12

Corrections to U.S. Chart No. 1, Edition 12 can be found at http://www.nauticalcharts.noaa.gov/mcd/chart1/US_ChartNo1_2013.10.22.pdf

LNM: 46/13

GREAT LAKES - Great Lakes Water Levels

The expected water levels on the Great Lakes for February 05, 2016. Connecting Channels and the St. Lawrence River, given in inches above (+) or below (-) Low Water Datum (LWD). LWD is a plane of reference used on a navigation chart. It is also known as chart datum.

Great Lakes:

Lake Ontario +21, Lake Erie +29, Lake St. Clair +29, Lake Michigan-Huron +20, Lake Superior +10.

St Lawrence River:

Above Long Sault Dam +44, Above Iroquois Dam +29, Ogdensburg +26, Alexandria Bay +22, Head of River at Cape Vincent +21.

Detroit River:

Lake Erie at Pelee Passage +29, Mouth of River at Gibraltar +29, Fort Wayne +32, Head of River above Belle Isle +30.

St. Clair River:

Mouth of River at St. Clair Flats +29, Algonac +32, St. Clair +27, Blue Water Bridge +26, Head of River at Fort Gratiot +23, Lake Huron Approach Channel +20.

St. Marys River:

Mouth of River at Detour +20, West and Middle Neebish +19, Head of Little Rapids +20, U.S. Slip +19, Above Locks +13, Head of River at Point Iroquois +10.

Available water depth is determined for a location by adding (if +) or subtracting (if -) the amount from the above to the water depth shown on National Oceanic and Atmospheric Administration (NOAA) navigational charts. Caution: Depths so determined are representative of a still water surface elevation, disturbed by neither wind nor other causes. Depth, however, may be reduced or increased as much as several feet for short periods of time due to these disturbances, or when sections of channels develop shoals. Vessel masters should refer to the Local Notice to Mariners for extent of shoaling and scattered bedrock projections in all channels. For further information direct inquires to: Department of the Army, Detroit District Corps of Engineers P. O. Box 1027, Detroit, MI 48231, (313) 226-6443. Additional information can be found on the U.S. Army Corps of Engineers Information Center website at

<http://www.lre.usace.army.mil/Missions/GreatLakesInformation/GreatLakesWaterLevels/WaterLevelForecast/ConnectingChannelsForecast.asp>

LNM: 05/16

Lake Erie – OH - Toledo Harbor - Chart 14847

Manhattan Range Front Light (LLNR 6105) The structure that supports the light and day board was damaged by ice. The structure is leaning slightly and may not align with the rear range to mark the center of the channel as advertised on the nautical charts. Mariners should use caution not relying solely on the Manhattan Range and continuously check their position by other means in relationship to the channel center. The structure is scheduled to be replaced in 2016.

LNM: 18/14

LAKE ERIE - West End of Lake Erie - Chart 14846

Port Clinton East Pierhead Light "1" (LLNR 5870) The Day mark has been temporarily discontinued due to significant damage to the structure.

The light remains operational and will remain operational until construction. The pier and light structure are scheduled to be replaced during the summer of 2016. During the construction the aid to navigation structure will be removed to make way for the pier construction. A lighted buoy will mark the east side of the channel entrance at that time. Upon completion of the construction a new aid to navigation structure will be installed with a light and day mark. Future updates can be found in the Local Notice to Mariner as the construction progresses and aid to navigation signals change.

LNM: 47/15

Detroit River – MI — Chart 14848

In accordance with the provisions of United States 33 CFR part 162.134(d) governing the connecting Waters from Lake Erie to Lake Huron and the Canadian St Clair and Detroit River navigation safety Regulations paragraph 20(1) and (2) effective December 28, both up bound and down bound traffic will Be permitted in the Livingstone channel subject to the following conditions:

1. Vessels shall not meet or pass in the Livingstone channel between Livingstone channel upper Entrance light and bar point pier light d33.
2. Up bound vessels shall report to MCTS Sarnia on vhf channel 12 one hour prior to entering the Normal one way portion of the Livingstone channel and again upon exiting that portion of the channel.
3. Down bound vessels shall include in their normal reports to MCTS Sarnia at the belle isle light Calling-in-point an eta to entering the Livingstone channel and shall report again upon exit.
4. Down bound vessels reporting at grassy island light calling-in-point in advance of the Livingstone Channel will normally have the right of way over up bound vessels which have not reported at the Detroit River light. However, ice and weather conditions may dictate that up bound vessels are Allowed to clear the Livingstone channel prior to down bound transits. MCTS Sarnia will prioritize Traffic as necessary to resolve conflict between up bound and down bound traffic.

The Amherstburg channel remains open to navigation but mariners are advised that aids to navigation Remain in an unmonitored status.

LNM: 52/15

Lake St. Clair - MI - Chart 14850

Lake St. Clair Light 30 has been replaced with a year round lighted buoy "30". The damaged light tower has been removed. The buoy has been established in position: 42-30-30.728N 082-41-54.471W. The light characteristic is Q R with a range of 4 statute miles.

LNM: 13/15

LAKE HURON– MI – Straits of Mackinac – Chart 14881

In accordance with 33 CFR 165.901 Captain of the Port Sault Ste Marie will close the following waterways effective 0900 local January 22nd 2016, the waters between Cheboygan Michigan and Bois Blanc Island Michigan known as south channel, and Gray's reef passage.

LNM: 03/16

Lake Michigan - Waugoshance Point to Seul Choix Point - Chart 14911

An uncharted object has been reported north of the LCA track lines east of Lansing Shoal in approximate position 45-54.647'N 085-24.970'W. The object appears to be 23-24 feet below the surface at low water datum.

LNM: 30/15

Lake Michigan - WI - Port Washington to Waukegan - Chart 14904

An uncharted white buoy three feet by two feet is anchored in position 42-46.685N and 087-43.413W, mariners are requested to transit the area with caution.

LNM: 38/15

Illinois River - IL- SPRING VALLEY

The Coast Guard has received multiple reports of groundings on the Illinois River IVO MM215 and MM209. The drafts of the reported groundings range from 9' to 9'6". All mariners transit this area with caution.

LNM: 33/15

Chicago River – IL – Chicago – Chart 14928

A temporary 60 foot floating dock for paddle craft is positioned on the southern bank of the South Branch of the Chicago River at mile 322.5, approximately 1000 feet west of the S. Halsted St Bridge through December, 2016. Mariners should be aware of the structure and be on the lookout for arriving/departing paddle craft.

LNM: 44/15

ST. MARYS RIVER - Chart 14884 - Chart 14883 - Chart 14882

The aids in the St. Mary's River previously advertised in the Advanced Section, Section V of the Local Notice to Mariner to become synthetic AIS ATON have been turned off due to coverage issues. This problem is being resolved and the aid's should be turned back on prior to the Spring

2016 navigation season.

LNM: 50/15

ST MARYS RIVER – MI –Chart 14883

In accordance with 33 CFR 162.117 VTS St. Mary's River will close Pipe Island passage to the east of Pipe Island shoal and north of Pipe Island twins. Pipe Island course will be a two way route, effective 1300 local January 16th 2016.

LNM: 03/16

ST MARYS RIVER – MI –Chart 14883

In accordance 33 CFR 162.117 VTS St Mary's river has closed the west Neebish channel. Alternating one way traffic will be established in the Munuscong and Middle Neebish channels effective 1300 local 16 Jan. 2016.

LNM: 03/16

LAKE SUPERIOR - Duluth Harbor - Chart 14975

Duluth Harbor Basin Traffic Buoy (LLNR 15870) is not operating as an AIS ATON as previously advertised. The aid will become an AIS ATON prior to the beginning of the Spring 2016 navigation season.

Duluth Harbor Basin Lighted Buoy "3" (LLNR 15880) is currently operating as an AIS ATON.

LNM: 50/15

SECTION II - DISCREPANCIES

This section lists all reported and corrected discrepancies related to Aids to Navigation in this edition. A discrepancy is a change in the status of an aid to navigation that differs from what is published or charted.

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
65	St. Lawrence Seaway Light 10 Sector (C)	LT EXT		B295-15	52/15	
965	St. Lawrence Seaway Lighted Buoy 132 (C)	LT EXT		B297-15	52/15	
2975.1	Bird Island Reef EU Buoy 6 (C)	SINKING		B277-15	48/15	
6760	West Breakwater Light (C)	LT EXT		B298-15	01/16	
8080	Trenton Channel Lighted Buoy 21	OFF STA	14853	D006-16	04/16	
9825	Fawn Island Upper End Lighted Buoy 42	ADRIFT	14853	D194-15	51/15	
9950	Lighted Buoy A60 (C)	OFF STA		D007-16	05/16	
11730	Spectacle Reef Light	LT EXT	14881	S001-16	01/16	
13280	Middle Neebish South Range Rear Light	DAYMK MISSING	14887	S004-16	02/16	
14100	Little Rapids Cut Light 98	LT IMCH	14883	S006-16	02/16	
15905	Duluth Harbor Basin Lighted Buoy 5	OFF STA	14975		05/16	
19545	Michigan City East Pierhead Light	LT EXT	14926	M599-15	52/15	
21635	Escanaba Light	LT EXT	14915	M003-16	01/16	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
13365	Lower Nicolet West Range Front Light	WATCHING PROPERLY	14887	S005-16	02/16	05/16
17915	Petoskey Light	WATCHING PROPERLY	14913		05/16	05/16
19825	Calumet Harbor Lighted Buoy 7	WATCHING PROPERLY	14926	M024-16	05/16	05/16

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
1473	Rock Island Light	LT EXT	14773	B266-15	47/15	
4451	Vermillion Museum Lighthouse	LT EXT	14826		04/16	
8695	Grosse Point Club Harbor Entrance West Light	LT EXT	14853	D179-15	42/15	

15935	Duluth Marine Terminal South Light	LT EXT	14975	S053-15	17/15
20135	Wilson Avenue Intake Crib Light	LT IMCH	14926	M502-15	39/15
20413	Prairie Harbor Entrance South Pier Light 1	DAYMK MISSING	14904	M292-15	25/15
20705	Milwaukee Tanker Pier Buoy 1	MISSING	14924	M402-15	31/15
20710	Milwaukee Tanker Pier Buoy 2	MSLD SIG	14924	M403-15	31/15

DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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None

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

TEMPORARY CHANGES

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
15185	Copper Harbor Range Front Light	DISCONTINUED	14964	S144-15	40/15	
15190	Copper Harbor Range Rear Light	DISCONTINUED	14964	S145-15	40/15	

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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None

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

SECTION IV - CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.

This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only. It is up to the mariner to decide which chart(s) are to be corrected. The following example explains individual elements of a typical chart correction.

Chart Number	Chart Edition	Edition Date	Last Local Notice to Mariners	Horizontal Datum Reference	Source of Correction	Current Local Notice to Mariners
12327	91st Ed.	19-APR-97	Last LNM: 26/97	NAD 83		27/97
Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER						
Main Panel 2245 NEW YORK HARBOR					CGD01	
(Temp) ADD	NATIONAL DOCK CHANNEL BUOY 3				at 40-41-09.001N	074-02-48.001W
	Green can					
Corrective Action	Object of Corrective Action				Position	

(Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true. Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles (NM) unless otherwise noted.

Chart Number	Chart Edition	Edition Date	Last LNM	Horizontal Datum Reference	Source of Correction	Current Local Notice to Mariners
14867	27th Ed.	01-FEB-13	Last LNM: 02/15	NAD 83		05/16
Chart Title: Saginaw River						
Main Panel 1327 SAGINAW RIVER MICHIGAN. Page/Side: N/A						
DELETE	Low Water Line B PT 1 OF 3; Low Water Line			(NOS NW-25514)	NOS	43-39-31.220N 083-52-58.550W
DELETE	Low Water Line B PT 2 OF 3; Low Water Line			(NOS NW-25514)	NOS	43-39-34.500N 083-52-53.030W
DELETE	Low Water Line B PT 3 OF 3; Low Water Line			(NOS NW-25514)	NOS	43-39-36.330N 083-52-52.730W
SUBSTITUTE	Sounding in Feet; 5			(NOS NW-25514)	NOS	43-39-40.900N 083-52-44.600W
SUBSTITUTE	Sounding in Feet; 5			(NOS NW-25514)	NOS	43-39-43.400N 083-52-40.300W
ADD	Low Water Line C PT 1 OF 2; Low Water Line			(NOS NW-25514)	NOS	43-39-34.150N 083-52-55.350W
ADD	Low Water Line C PT 2 OF 2; Low Water Line			(NOS NW-25514)	NOS	43-39-36.340N 083-52-52.730W
ADD	Sounding in Feet; 4			(NOS NW-25514)	NOS	43-39-34.800N 083-52-53.500W
ADD	Sounding in Feet; 4			(NOS NW-25514)	NOS	43-39-38.100N 083-52-48.600W
ADD	Sounding in Feet; 6			(NOS NW-25514)	NOS	43-39-32.600N 083-52-56.300W

Chart Number	Chart Edition	Edition Date	Last LNM	Horizontal Datum Reference	Source of Correction	Current Local Notice to Mariners
14908	19th Ed.	01-JAN-16	Last LNM: 11/15	NAD 83		05/16
Chart Title: Dutch Johns Point to Fishery Point, including Big Bay de Noc and Little Bay de Noc;Manistique						
Main Panel 1383 DUTCH JOHNS PT. TO FISHERY PT.. Page/Side: A						
NEW EDITION	Scale 1: 80,000; New Edition (19 ed, 01/01/16) due to various general changes This NOAA chart is now available in both the Print-on Demand and digital raster formats. See http://nauticalcharts.noaa.gov/mcd/dole.htm for details.				NOS	--

SECTION V - ADVANCE NOTICES

This section contains advance notice of approved projects, changes to aids to navigation, or upcoming temporary changes such as dredging, etc. Mariners are advised to use caution while transiting these areas.

SUMMARY OF ADVANCED APPROVED PROJECTS

Approved Project(s)	Project Date	Ref. LNM
None		

Advance Notice(s)

LAKE ERIE - ISLAND IN LAKE ERIE - Chart 14844

Change the following unlighted buoys to lighted buoys as described below:

Ballast Island Channel Buoy "6" (LLNR 5660) to a lighted buoy with a light characteristic of I R 2.5s with a 4 statute mile range.
Ballast Island Channel Buoy "7" (LLNR 5665) to a lighted buoy with a light characteristic of FI G 4s with a 4 statute mile range.

LNM: 48/15

Detroit River - Trenton Channel - Chart 14848

Trenton Channel Lighted Buoy "11" (LLNR 8025) relocate approximately 70 yards south in position 42-09-25.950N / 083-09-55.680W.

Trenton Channel Buoy "10A" (LLNR 8010) establish in position 42-09-23.874N / 083-09-52.980. The aid will be a permanent red nun.

LNM: 05/16

Detroit River - Ecorse Channel - Chart 14848

Change the following permanent unlighted buoys to seasonal unlighted buoys maintained from April 7 to December 7:

Ecorse Channel Buoy "2" (LLNR 8090)
Ecorse Channel Buoy "4" (LLNR 8095)
Ecorse Channel Buoy "5" (LLNR 8100)
Ecorse Channel Buoy "6" (LLNR 8105)

LNM: 20/15

ST. CLAIR RIVER - Chart 14852

Harts landing Light (LLNR 9860) change the light characteristic from FG to FI G 6(1) and increase the range from 8 to 9 statute miles. It has been reported that the FG characteristic is difficult to see with the background lights.

LNM: 48/15

Lake Huron - Lake Huron Cut - Chart 14862

Lake Huron Cut Light "7" (LLNR 10065) Permanently discontinue the fog signal.

LNM: 43/15

Lake Huron - Saginaw Bay - Chart 14863

Tawas Light (LLNR 11240) Discontinue the light at the lighthouse and move it to Tawas Point where the fog signal is located in approximate position 44-14.9040N / 083-27.5477W. Change the characteristic Oc W 4s (R sector) to FI W 4(1). Eliminate the red sector. The range would remain 12 statute miles.

LNM: 44/13

Lake Huron - Port Huron to Pte Barques - Chart 14862

Port Sanilac Light (LLNR 10115) Reduce the range of the light from 16 statute miles to 14 statute miles.

LNM: 12/14

Lake Michigan - Algoma to Sheboygan - Chart 14903

Kewaunee Shoal Light (LLNR 20950) change the seasonal fog signal operation from Apr. 1 to Dec. 1, to Apr. 1 to Nov. 1.

LNM: 27/14

Lake Michigan - Upper Green Bay - Chart 14909

St. Martin Island Light (LLNR 21450) change the characteristic of the light from AL WR 10s to FI W 10s. The range would be reduced from 18 statute miles to 16 statute miles.

LNM: 31/14

Lake Michigan - Holland Harbor - Chart 14932

Holland Harbor South Pierhead Light (LLNR 19295) change the characteristic from AL WR 10s to FI R 10s and reduce the range of the light from 17 statute miles to 15 statute miles.

LNM: 39/12

Lake Michigan - Upper Green Bay - Chart 14909

Boyer Bluff Light (LLNR 21770) reduce the range of the light from 8 statute miles to 6 statute miles.
Eagle Bluff Light (LLNR 21825) reduce the range of the light from 7 statute miles to 6 statute miles.

LNM: 28/15

Lake Michigan - Indiana Harbor - Chart 14929

Indiana Harbor Light "6" (LLNR 19695) Remove the higher intensity beam on bearing 165.5 degrees.
Indiana Harbor Light "7" (LLNR 19700) Remove the higher intensity beam towards the lake.

LNM: 46/15

Lake Michigan - Port Washington to Waukegan - Chart 14904

Kenosha South Pier Light (LLNR 20435) Remove higher intensity beam lake ward.

LNM: 47/15

LAKE MICHIGAN -Calumet River - Chart 14929

Calumet Harbor Breakwater South End Light (LLNR 19800) Change the fog signal from operating continuously to "Fog Signal operates by keying microphone five times on VHF FM Channel 83A".

LNM: 48/15

Lake Michigan - Waugoshance Point to Seul Choix Point - Chart 14911

St. James Light (LLNR 17845) increase the range of the light from 10 statute miles to 12 statute miles.

LNM: 22/13

SECTION VI - PROPOSED CHANGES

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond in writing to the District office unless otherwise noted (see banner page for address).

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

<u>Proposed Project(s)</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
None			

Proposed Change Notice(s)

Lake Superior - Big Bay Point to Redridge - Chart 14964

Point Abbaye Shoal Bell Buoy "3" (LLNR 14740) Change from an unlighted bell buoy to a lighted bell buoy with a light characteristic of FI G 4s, 4 statute mile range.

Copper Harbor Entrance Bell Buoy "CH" (LLNR 15180) Change from an unlighted bell buoy to a lighted bell buoy with a light characteristic of Mo (A) W, 5 statute mile range.

Eagle Harbor Shoal Gong Buoy "1" (LLNR 15205) Change from an unlighted gong buoy to a lighted bell buoy with a light characteristic of FI G 4s, 4 statute mile range.

LNM: 47/15

For any comments or questions on these proposed changes please contact:

Mr. Doug Sharp of the Ninth District Aids to Navigation office at (216) 902-6070.

LNM: 30/13

SECTION VII - GENERAL

This section contains information of general concern to the Mariners. Mariners are advised to use caution while transiting these areas.

Waterways Analysis and Management System Study - 2016

The Coast Guard is conducting a Waterways Analysis and Management System Study on the following waterways during 2016. The study focuses on the area's aid to navigation system, waterborne commerce, marine casualty information, emergency response plans, routine and emergency communication capabilities, and future development projects. Any company or individual wishing to comment on the waterway reviews listed below is encouraged to contact the Coast Guard unit listed or email comments to william.d.sharp@uscg.mil. Any comments emailed will be forwarded to the appropriate unit for use in the WAMS project. A survey is attached to the Local Notice to Mariner and can be used to comment on these reviews or on any waterways located in the Great Lakes.

Waterways Analysis and Management System Study - 2016

Sackets Harbor (LLNR 1755 - 2024.9)
Oswego Harbor (LLNR 2025 - 2140)
Sodus Bay (LLNR 2145 -2275)
Buffalo Black Rock Canal (LLNR 2665 - LLNR 3360)
Dunkirk Harbor (LLNR 3365 - LLNR 3492)
Commander
Sector Buffalo
1 Fuhrmann Blvd.
Buffalo, N.Y. 14203
(716) 843-9524

Huron Harbor (LLNR 4430 - LLNR 5455)
Commanding Officer
USCGC Bristol Bay (WTGB 102)
110 Mt. Elliot Avenue
Detroit, Mi. 48207
(313) 568-9548

Munising/Grand Marais (LLNR 14550 - LLNR 14615)
Marquette (LLNR 14620 - LLNR 14720)
Commander
Sector Sault Ste. Marie
337 Water St.
Sault Ste. Marie, Mi. 49783
(906) 635-3270

Keweenaw Waterway (LLNR 14725 - LLNR 15250)
Commanding Officer
USCGC Alder (WLB 216)
1201 Minnesota Avenue
Duluth, Mn. 55802
(218) 529-3131

LNM: 39/12

GREAT LAKES - Marine Events

Marine events such as races, parades, regattas, and fireworks displays are frequently held in the Great Lakes region. Advance information on specific events is contained in enclosure (2) of this publication. The public is reminded to listen to the local broadcast notice to mariners for the most up-to-date information on a marine event. Mariners are advised that some events may require temporary aids to navigation that are not displayed on a chart or in the Light List, and that they should exercise additional caution while operating in the vicinity of a scheduled marine event.

LNM: 24/13

NEW YORK BARGE CANAL – NY – Erie Canal – Chart 14786 – Bridge Maintenance

From December 7, 2015 through April 21, 2016 equipment and cofferdams will be in the waterway at the E145, East Henrietta Road Bridge at Mile 260 over the Erie Canal at Rochester, NY. Vessels will be unable to pass the work area until all equipment is removed.

LNM: 49/15

LAKE ONTARIO – NY – Irondequoit Bay – Chart 14804 – Bridge Winter Hours

From November 2, 2015 to April 1, 2016 the Seasonal Irondequoit Bay Outlet Bridge at the mouth of Irondequoit Bay will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 44/15

NEW YORK BARGE CANAL – NY – Erie Canal – Chart 14786 – Bridge Maintenance

From April 1, 2016 through October 31, 2017, two platforms will be installed under the E-63A, I-81 Bridges at Mile 150.7 over the Erie Canal at Hastings, NY that are 8 feet wide and hang approximately 4 feet below low steel. Flashing red lights will be displayed on the bottom four-corners of the platforms and a minimum of 85 feet horizontal clearance will be clear of any obstructions to allow vessels to pass under the bridge.

LNM: 45/15

LAKE ERIE – OH – Maumee River - Chart 14846 – Bridge Replacement

From July 1, 2015 through December 31, 2017, Bridge demolition and construction activities will be performed at the State Route 109 Bridge at Mile 44.4 over the Maumee River near Napoleon, Ohio. Mariners should use caution when transiting the area.

LNM: 20/14

LAKE ERIE – OH – Ashtabula Harbor - Chart 14836 – Bridge Winter Hours

From December 13, 2015 through March 29, 2016 the Fifth Street Bridge at Mile 0.15 over the Ashtabula River will require a 12 hour advance notice for openings. Mariners should provide advance notice by calling: 440-576-2816, or 440-969-4919, or 440-536-2941, or 440-645-9041.

LNM: 45/15

LAKE ERIE – OH – Cleveland Harbor - Chart 14839 – Bridge Discrepancy

The Willow Avenue Bridge at Mile 1.02 over the Old River channel of the Cuyahoga River will only open at 0700 and 1900 daily. Mariners intending to pass through the bridge during an opening should notify the drawtender in advance by calling: 216-664-4767 or 216-857-7520.

LNM: 51/15

LAKE ERIE – NY – Niagara River – Chart 14822 – Bridge Maintenance

From July 10, 2016 through May 18, 2019 scaffolding that extends approximately 6 feet below low steel will be installed under the Peace Bridge at Mile 1.5 over the Black Rock Canal. Amber lights will mark the bottom and four corners of the scaffolding hanging below low steel. Scaffolding under the bridge over the Niagara River will remain above low steel.

LNM: 16/15

LAKE ERIE – OH – Maumee River - Chart 14846 – Bridge discrepancy

The Coast Guard has received a report that the lights on the CSX Railroad Bridge at Mile 11.38 over the Maumee River are extinguished.

LNM: 14/15

LAKE ERIE – OH – Cleveland Harbor - Chart 14839 – Bridge Winter Hours

From December 28, 2015 through March 21, 2016 all city of Cleveland operated bridges will require a 12 hour advance notice for openings. Mariners should provide advance notice directly to the Carter Road Bridge operator by calling: 216-664-4767 or 216-857-7520 or by emailing rpliodzinkas@city.cleveland.oh.us.

LNM: 49/15

LAKE ERIE – OH – Cleveland Harbor - Chart 14839 – Bridge Construction

From January 15 through March 21, 2016 between the hours of 0600 and 1800 Monday through Friday, a 180 foot by 52 foot barge will be working at the new Inner Belt Freeway Bridge at Mile 3.38 over the Cuyahoga River. The barge will move if an 8 hour advance notice is provided by calling: 330-419-2744 or 330-590-3135 or 330-351-4614.

LNM: 49/15

LAKE ERIE – OH – Maumee River – Chart 14847 – Bridge Maintenance

On January 27 and February 3, 2016 between the hours of 0700 and 1900 each day the Norfolk Southern Railroad Bridge at Mile 5.76 over the Maumee River will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 04/16

LAKE ERIE – OH – Lake Erie Islands – Chart 14844 – Bridge Maintenance

On January 27 and February 3, 2016 between the hours of 0700 and 1900 each day the Norfolk Southern Railroad Bridge at Mile 1.5 over the Portage River and the Norfolk Southern Railroad Bridge at Mile 3.5 over the Sandusky Bay will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 04/16

LAKE ERIE – OH – Maumee River – Chart 14847 – Bridge Maintenance

From 0700 on February 15 to 0700 on February 28, 2016 the Norfolk Southern Railroad Bridge at Mile 5.76 over the Maumee River will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 05/16

DETROIT RIVER – MI – Trenton Channel – Chart 14848 – Bridge Winter Hours

From December 15, 2015 to March 15, 2016 the Grosse Ile Toll Bridge at Mile 8.80 over the Trenton Channel of the Detroit River will require a 12 hour advance notice for openings. Mariners should provide advance notice by calling 734-282-2914.

LNM: 44/15

LAKE ST. CLAIR – MI – Detroit River – Chart 14848 – Availability of Public Notice

All interested parties are notified that the U.S. Coast Guard has reinitiated the review of the permit application for the Ambassador Bridge Enhancement Project (ABEP). The applicant and owner of the existing Ambassador Bridge, the Detroit International Bridge Company (DIBC), has entered into an agreement with the City of Detroit allowing DIBC to construct the project as originally proposed and evaluated in the 2009 Coast Guard Final Environmental Assessment (EA) using portions of Riverside Park located in Detroit, Michigan.

WATERWAY AND LOCATION: Ambassador Bridge, Mile 19.5, Detroit River, City of Detroit, in Wayne County, Michigan.

CHARACTER OF WORK: Replacement of a fixed highway bridge over the Detroit River with a new 6-lane cable stayed bridge, just west of the existing Ambassador Bridge across the Detroit River between Detroit, Wayne County, Michigan, United States and Windsor, Ontario, Canada.

PROPOSED MINIMUM NAVIGATIONAL CLEARANCES: All proposed bridge piers will be placed on the shore of the river. The minimum navigation clearances for the proposed second span are greater than the existing bridge and are not expected to impact navigation. 162.57 feet of vertical

LAKE ST. CLAIR – MI – Detroit River – Chart 14848 – Availability of Public Notice

clearance, referred to Low Water Datum, Detroit River, Elevation 571.10, IGLD85 for passing vessels.

ENVIRONMENTAL CONSIDERATIONS: The Coast Guard, as lead federal agency under the National Environmental Policy Act (NEPA) for the proposed project, announces the availability of the Final EA Reevaluation and Draft Finding of No Significant Impact (FONSI) for a 30-day review period starting on January 8, 2016. There have been no substantial changes or significant circumstances related to environmental impacts of the proposed action since the Final EA was published in 2009. Therefore, the Coast Guard has determined through the reevaluation that a supplemental environmental assessment and an environmental impact statement are not required.

FOR MORE INFORMATION INCLUDING INSTRUCTIONS ON PROVIDING COMMENTS: The complete public notice including a brief summary of project impacts, directions on how to access the reevaluation, and a map of the location and plans for the proposed bridge will be available for viewing and download from the U.S. Coast Guard Navigation Center's web site:

<http://www.navcen.uscg.gov/?pageName=pnBridges&Active=1®ion=9>, or by contacting Mr. Allen Garneau via the above contact information. Comments received will be made part of the case record.

All federal, state and local agencies and public representatives are requested to submit an email address(s) to the project manager to obtain this public notice and announcements of future public notices from this office.

Interested parties are requested to express their views, in writing, on the proposed project giving sufficient detail to establish a clear understanding of their reasons for support or opposition to the proposed work. Comments will be received for the record by email at allen.m.garneau@uscg.mil or in writing at the office of: Commandant (CG-BRG-2), U.S. Coast Guard Headquarters, Stop 7418, 2703 Martin Luther King Jr. Avenue, SE, Washington, DC 20593-7418, for a 30 day period starting on January 8, 2016.

Mariners are requested to comment on the proposed vertical and horizontal navigational clearances and any other navigational safety issues including the extent of nighttime navigation past the proposed project's site.

LNM: 02/16

LAKE HURON – MI – Port Huron – Chart 14865 – Bridge Winter Hours

From December 1, 2015 through March 31, 2016 the Canadian National Railroad Bridge at Mile 1.56 over the Black River will require a 24 hour advance notice for openings. Mariners should provide advance notice by calling 708-332-3160 or 877-333-7989 or 248-431-0673.

LNM: 39/15

LAKE HURON – MI – Inland Route- Chart 14886 – Bridge Maintenance

From January 2, 2017 through March 31, 2017 the State Street Bridge at Mile 0.92 will be secured to masted navigation. Scaffolding will be installed that hangs approximately 6 feet below the bridge and a barge will be used at the bridge. A 30 foot wide channel will be maintained to allow vessels to pass under the bridge.

LNM: 40/15

LAKE MICHIGAN – IL – Chicago Sanitary and Ship Canal – Chart 14786 – Bridge Discrepancy

The Coast Guard has received a report that the following bridge lights are extinguished or showing improper characteristics over the Chicago Sanitary and Ship Canal:

- South Western Avenue Bridge at Mile 6.7, CORPS MILE 320.6
 - South California Avenue at Mile 7.3, CORPS MILE 320.0
 - South Kedzie Avenue at Mile 7.8, CORPS MILE 319.5
 - South Pulaski Road Bridge at Mile 8.9, CORPS MILE 318.4
 - South Cicero Avenue Bridge at Mile 10.0, CORPS MILE 317.3
 - Lawndale Avenue Bridges at Mile 14.3, CORPS MILE 313.0
- [30//15] [49/15] [52/15]

LNM: 30/15

LAKE MICHIGAN – WI – Fox River – Chart 14916 – Bridge Winter Hours

From October 30, 2015 through April 20, 2016 the following bridges will require a 12 hour advance notice for openings: Main Street Bridge at Mile 55.97, The Jackson Street Bridge at Mile 56.22, the Wisconsin Street Bridge at Mile 56.72, and the Congress Avenue Bridge at Mile 85.01, all over the Fox River at Oshkosh, WI. Mariners should provide advance notice by calling: 920-832-5580 or 920-832-5500 or 920-232-1715

LNM: 44/15

LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Maintenance

From October 23, 2015 through September 1, 2016 one leaf of the Lake Street Bridge at Mile 1.64, CORPS MILE 325.5, over the South Branch of the Chicago River will be secured to masted navigation, except from March 1 through April 29, 2016 when both leaves of the bridge will operate normally.

LNM: 39/15

LAKE MICHIGAN – IN – Indiana Harbor, Chart 14929 – Bridge Underwater Hazard

The Coast Guard has received a report of an underwater obstruction near the position of the former Canal Street Bridge at Mile 1.88 over the Indiana Harbor Canal.

LNM: 01/14

LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Discrepancy

The Coast Guard has received a report that the following bridges over the Main, North, and South Branches of the Chicago River have lights

LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Discrepancy

showing improper characteristics or lights that are extinguished:

Roosevelt Road Bridge at Mile 2.94
Harrison Street Bridge at Mile 2.44
Eisenhower Expressway Bridges at Mile 2.35
Van Buren Street Bridge at Mile 2.26
Jackson Boulevard Bridge at Mile 2.17
Adams Street Bridge at Mile 2.08
Monroe Street Bridge at Mile 1.99
Washington Street Bridge at Mile 1.81
Randolph Street Bridge at Mile 1.73
Lake Street Bridge at Mile 1.64
Franklin Street Bridge at Mile 1.47
LaSalle Street Bridge at Mile 1.29
Dearborn Street Bridge at Mile 1.13
Wabash Avenue Bridge at Mile 0.98
Michigan Avenue Bridge at Mile 0.85
Columbus Drive Bridge at Mile 0.67
Lake Shore Drive Bridge at Mile 0.32
Kinzie Street Bridge at mile 1.81
Grand Avenue Bridge at Mile 2.00

LNM: 48/15

LAKE MICHIGAN – WI – Fox River – Chart 14916 – Bridge Removal

From February 20 through February 27, 2016 contractors will use explosives to remove 5 underwater piers at the former Wrightstown Bridge at Mile 17.36 over the Fox River while the lock system is closed to navigation.

LNM: 45/15

LAKE MICHIGAN – WI – Sturgeon Bay Ship Canal - Chart 14919 – Bridge Maintenance

From May 1 through June 30, 2016 the Bay View, State Routes 42/57 Bridge at Mile 3.0 over the Sturgeon Bay Ship Canal will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 52/15

LAKE MICHIGAN – IL – Chicago River - Chart 14927 – Bridge Discrepancy

The Coast Guard has received a report that the lights on the 18th Street Bridge at Mile 3.60 (CORPS MILE 323.7) over the South Branch of the Chicago River are extinguished.

LNM: 35/15

LAKE MICHIGAN – IL – Chicago River - Chart 14927 – Bridge Maintenance

From November 16, 2015 through March 7, 2016 scaffolding that extends approximately 1 foot below low steel will be installed under one half of the Michigan Avenue Bridge at Mile 0.85, CORPS MILE 326.3, over the Main Branch of the Chicago River. The bridge leaf without scaffold shall operate normally.

LNM: 35/15

LAKE MICHIGAN – IL – Chicago River - Chart 14927 – Bridge Discrepancy

The Coast Guard has received a report of an unpermitted boat dock installed under the Canal Street Bridge at Mile 3.88 CORPS MILE 323.4 over the South Branch of the Chicago River. The reduction in horizontal clearance caused by the boat docks is unknown. The docks and the vessel moored there are not lighted. Mariners should use extreme caution when passing through the bridge.

LNM: 32/15

LAKE MICHIGAN – IL – Chicago Sanitary & Ship Canal - Chart 14927 – Bridge Discrepancy

The Coast Guard has received a report that the lights on the following bridges over the Chicago Sanitary and Ship Canal are extinguished or showing improper characteristics:
135th Street Bridge at Mile 31.1
SAG Highway Bridge at Mile 23.2

LNM: 05/15

LAKE MICHIGAN – IL – Calumet River - Chart 14927 – Bridge Maintenance

From 0700 on February 15 to 0700 on February 18, 2016 a 100 foot by 60 foot spud barge will be working on the abutments of the 106th Street Bridge at Mile 2.58, CORPS MILE 330.6, over the Calumet River. The Barge will move if a 12hour advance notice is provided to the Chicago Bridge desk at: 312-744-4200 or 313-747-2470. The bridge will remain in the fully open to navigation position throughout the project.

LNM: 35/15

LAKE MICHIGAN – IL – Calumet River – Chart 14927 – Bridge Discrepancy

The Coast Guard has received a report that the lights on the following bridge over the Calumet River are discrepant:
Elgin, Joliet, and Eastern Railroad Bridge at Mile 0.62, all lights extinguished.

LAKE MICHIGAN – IL – Calumet River – Chart 14927 – Bridge Discrepancy

92nd Street Bridge at Mile 0.76, all lights extinguished.
95th Street Bridge at Mile 1.09, all lights extinguished.
Norfolk Southern Railroad Bridge at Mile 1.36, all lights extinguished.
Chicago Skyway Bridge at Mile 1.50, fendering light extinguished.
100th Street Bridge at Mile 1.78, all lights extinguished.
106th Street Bridge at Mile 2.58, center channel lights extinguished.
City of Chicago Railroad Bridge at Mile 5.24, all lights extinguished.
130th Street Bridge at Mile 6.25, all lights extinguished.
Chicago, South Shore & South Bend Railroad Bridge at Mile 6.33, all lights extinguished.

LNM: 38/15

LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Maintenance

From October 16, 2015 through March 16, 2016 a 120 foot by 40 foot work barge will be working under the Webster Avenue Bridge at Mile 4.85, CORPS MILE 328.6, over the North Branch of the Chicago River. The barge will move to accommodate vessel traffic if a 12 hour advance notice is provided by calling: 312-744-4200.

LNM: 41/15

LAKE MICHIGAN – IL – Calumet SAG Channel - Chart 14927 – Bridge Maintenance

From September 8, 2015 through August 27, 2016 scaffolding will be installed under one half of the Division Street Bridge at Mile 14.49, CORPS MILE 318.5, over the Calumet-SAG Channel that hangs approximately 4 feet below low steel. Steady burning amber lights will mark the bottom and four corners of the scaffolding. One 60 foot by 40 foot barge will be working at the piers under the scaffolding. The barge will monitor VHF-FM marine Channel 16 and will move for river traffic as needed.

LNM: 35/15

LAKE MICHIGAN – WI – Milwaukee Harbor - Chart 14924 – Bridge Winter Hours

From November 20, 2015 through April 16, 2016 all city operated bridges in Milwaukee, WI will require a 12 hour advance notice for opening. Mariner should provide advance notice on VHF-FM Marine radio Channel 16 or by calling: 414-286-2575.

LNM: 49/15

LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Maintenance

From March 1 through December 31, 2016, Monday through Saturday, 0700 to 1700 and 2200 to 0500 daily, three 195 foot by 55 foot or smaller barges will be working at the Adams Street Bridge at Mile 2.08, CORPS MILE 325.1, over the South Branch of the Chicago River. The barges will move if provided a 30 minute advance notice of arrival on VHF-FM Marine Channel 16 or by calling: 312-656-7636.

LNM: 03/16

LAKE MICHIGAN – WI – Fox River - Chart 14916 – Bridge Marine Event

The following bridges will be secured to masted navigation in conjunction with the Oshkosh Marathon on April 24, 2016:
Main Street Bridge at Mile 55.97 over the Fox River from 0600 to 1315.
Wisconsin Street Bridge at Mile 56.72 over the Fox River from 0645 to 1215.
Congress Avenue Bridge at Mile 58.01 from 0715 to 1145.

LNM: 48/15

LAKE MICHIGAN – WI – Milwaukee Harbor – Chart 14924 – Bridge Winter Hours

From November 20, 2015 through April 20, 2016 the Canadian Pacific Railroad Bridge at Mile 1.05 over the Menomonee River and the Canadian Pacific Railroad Bridge at Mile 1.67 over the Kinnickinnic River will require a 12 hour advance notice for openings. Mariners should provide advance notice by calling: 414-389-3772, or 608-742-6000, or 414-278-1385.

LNM: 43/15

LAKE MICHIGAN – IL – Little Calumet River – Chart 14927 – Bridge Discrepancy

The Coast Guard has received a report that the lights on the following bridges over the Little Calumet River are extinguished:
Indiana Avenue Bridge at Mile 10.80 (CORPS MILE 322.2)

LNM: 17/15

LAKE MICHIGAN – WI – Menominee and Marinette Harbors - Chart 14917 – Bridge Maintenance

From September 7, 2015 through July 1, 2016 between the hours of 0600 and 1700, Monday through Friday, two 80 foot by 40 foot barges will be replacing the dolphins at the Ogden-First Street Bridge at Mile 0.7 over the Menominee River. The barges will occupy half of the channel but will move to accommodate large vessels with a 30 minute advance notice. Mariners should provide advance notice directly to the barge on VHF-FM Marine Channel 16 or by calling: 262-366-5360 or 262-366-5316. The new dolphins will display steady burning red lights until permanent lighting is installed.

LNM: 35/15

LAKE MICHIGAN – WI – Green Bay – Chart 14918 – Bridge Discrepancy

The Coast Guard has received a report that the lights on the Canadian National Railroad Bridge at Mile 3.31 over the Fox River are extinguished and that the bridge fendering system is reported damaged with debris protruding into the navigation channel.

LAKE MICHIGAN – WI – Green Bay – Chart 14918 – Bridge Discrepancy

LNM: 41/15

LAKE MICHIGAN – WI – Fox River - Chart 14916 – Bridge Construction

From October 2, 2014 through November 30, 2018 an 80 foot by 50 foot and a 40 foot by 40 foot barge will be constructing the new State Highway 441 Little Lake Buttes des Morts Bridge at Mile 36.0 over the Fox River at Menasha, WI. A 30 foot wide channel will be maintained through the main navigational draws. Amber lights will mark the low steel of both bridges and red lights will mark the cofferdams around the new piers. The barges will be lighted in accordance with the Navigation Rules.

LNM: 40/14

LAKE MICHIGAN – IL – Calumet-SAG Canal – Chart 14927 – Bridge Discrepancy

The Coast Guard has received a report that the lights on the Ridgeland Avenue Bridge at Mile 20.47 (CORPS MILE 312.5) over the Calumet-SAG Channel are extinguished.

LNM: 25/15

LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Discrepancy

The Coast Guard has received a report that the following bridges over the Main, North, and South Branches of the Chicago River have lights showing improper characteristics or lights that are extinguished:

Roosevelt Road Bridge at Mile 2.94
Van Buren Street Bridge at Mile 2.26
Adams Street Bridge at Mile 2.08
Monroe Street Bridge at Mile 1.99
Franklin Street Bridge at Mile 1.47
LaSalle Street Bridge at Mile 1.29
Michigan Avenue Bridge at Mile 0.85
Columbus Drive Bridge at Mile 0.67
Kinzie Street Bridge at mile 1.81

LNM: 25/15

LAKE MICHIGAN – IL – Calumet River – Chart 14927 – Bridge Maintenance

From January 27 to February 10, 2016 between the hours of 0700 and 1530, Monday through Friday the 92nd Street Bridge at Mile 0.76 (CORPS MILE 332.4) over the Calumet River will require a 30 minute advance notice of arrival for openings. Mariners should provide advance notice directly to the drawtender of VHF-FM Marine Channel 16.

LNM: 04/16

LAKE MICHIGAN – WI – Fox River - Chart 14916 – Bridge Marine Event

The following bridges will be secured to masted navigation in conjunction with the Ganther Race the Lake on August 14, 2016:
Main Street Bridge at Mile 55.97 over the Fox River from 0600 to 0800.
Racine Street Bridge at Mile 37.91 over the Fox River from 0645 to 1000.

LNM: 48/15

LAKE MICHIGAN – IL – Chicago River - Chart 14927 – Bridge Discrepancy

The Coast Guard has received a report that the lights on the Division Street Bridge at Mile 3.30 (CORPS MILE 327.0) over the North Branch of the Chicago River are extinguished.

LNM: 50/14

LAKE MICHIGAN – IL – Chicago River - Chart 14927 – Bridge Discrepancy

The Coast Guard has received a report that the lights on the Cortland Street Bridge at Mile 4.48 (CORPS MILE 328.2) over the North Branch of the Chicago River are extinguished.

LNM: 50/14

IL – DES PLAINES RIVER - CHANNAHON

Four work barges will be located on the Des Plaines River from mile 278 to mile 280 on the right descending bank in order to replace multiple pilings. Operations will commence February 1st until May 6th, 2016 during daylight hours only. The vessel Midwest 2 may be contacted on channel 16 during work hours for further information.

LNM: 05/16

LAKE SUPERIOR – WI – Duluth-Superior Harbor - Chart 14975 – Bridge Maintenance

From February 1, 2016 through March 11, 2016 the Duluth Ship Canal Bridge at Mile 0.25 over the Duluth Ship Canal will be secured to masted navigation for maintenance. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 49/15

LAKE SUPERIOR – MN – Duluth - Superior Harbor - Chart 14975 – Bridge Winter Hours

The winter hours for the BNSF Railroad Grassy Point Bridge at Mile 5.44 over the St. Louis Bay and River have been extended to start on December 19, 2015 instead of January 1, 2016 due to ice accumulating on the bridge. Mariners should provide a 12 hour advance notice for openings by calling 715-394-1259 or 715-394-1257.

LAKE SUPERIOR – MI – Houghton Hancock – Chart 14972 – Bridge Maintenance

From September 15, 2016 through December 31, 2016 and again from March 16, 2017 through June 15, 2017, the U.S. 41 Bridge at Mile 16.0 over the Keweenaw Waterway in Houghton-Hancock, MI will be locked in the intermediate position providing approximately 35 feet of clearance at low water datum. The bridge will open fully on the hour, every hour except at 0800, noon, and 1700, excluding holidays and weekends when the bridge will open fully on the hour every hour for recreational vessels. The bridge will operate on signal for commercial vessels.

SECTION VIII - LIGHT LIST CORRECTIONS

An Asterisk *, indicates the column in which a correction has been made to new information

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
20635	Milwaukee Breakwater Light	43-01-36.992N 087-52-54.927W	Fl R 10s	61 19	14	Black lantern on white square structure. 61	Light Characteristic is FL R (2) 10s. Two Red Flashes in 10 seconds. HORN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si). Operates by keying the microphone five times on channel 83A.
22240	Green Bay Harbor Entrance Channel Lighted Buoy 23	44-34-01.017N 087-59-21.705W	Fl G 4s		4	Green.	Replaced by can from Dec. 1 to Apr. 28.

*

ENCLOSURES

(1) SUMMARY OF DREDGING

[05-16 Summary Of Dredging.pdf](#)
Construction Operations in Effect

LNM: 14/14

(2) GREAT LAKES - General - Marine Events

[Freezing Spray LNM.pdf](#) [NAVRULESCorrections2015LNM 48-15.pdf](#) [05-16 Marine Events.pdf](#)
Summary of Marine Events

LNM: 14/14

(3) SUMMARY OF BRIDGE MAINTENANCE / ACTIVITIES

[NavNotice15-001.pdf](#) [Bridge Winter Hours.pdf](#) [Soo Lock Closing.pdf](#) [2016-BRL-NOTICEtoNav-Schedule-Page.pdf](#)
Bridge Maintenance / Activities in Effect.

LNM: 14/14

(4) WATERWAYS ANALYSIS AND MANAGEMENT SURVEY

[WAMS Doc.pdf](#) [AIS ATON Announcement II.pdf](#)
Great Lakes WAMS Questionnaire

LNM: 14/14

J. E. RYAN, RDML
U. S. Coast Guard
Commander, Ninth Coast Guard District

SUMMARY OF DREDGING/CONSTRUCTION OPERATION IN EFFECT

The LNM column is where the entry originally appeared and where detailed information may be obtained. The dates listed are tentative.

<u>LOCATION</u>	<u>LNM</u>	<u>SUBJECT</u>	<u>HOURS / DAYS</u>	<u>UNTIL</u>
<u>NEW YORK STATE BARGE CANAL</u>				
Erie Canal, NY	19/13	DREDGING OPERATIONS	24 HRS / 7 DAYS	01 May 13 – TBD
Lockport, Brockport, and Fairport, NY	19/13	STABILIZATION OPERATIONS	24 HRS / 7 DAYS	01 May 13 – TBD
Buffalo River, NY	34/14	HABITAT RESTORATION	24 HRS / 7 DAYS	25 Aug 14 – TBD
<u>LAKE ONTARIO</u>				
None				
<u>LAKE ERIE</u>				
Cleveland, OH	05/13	CONSTRUCTION	24 HRS / 7 DAYS	29 Jan. 13 – TBD
<u>DETROIT RIVER</u>				
Detroit, MI	33/14	CONSTRUCTION	24 HRS / 7 DAYS	11 Aug. 14- TBD
<u>LAKE ST. CLAIR</u>				
None				
<u>LAKE HURON</u>				
None				
<u>STRAITS OF MACKINAC</u>				
None				
<u>ST MARYS RIVER</u>				
None				
<u>LAKE SUPERIOR</u>				

SUMMARY OF DREDGING/CONSTRUCTION OPERATION IN EFFECT

The LNM column is where the entry originally appeared and where detailed information may be obtained. The dates listed are tentative.

<u>LOCATION</u>	<u>LNM</u>	<u>SUBJECT</u>	<u>HOURS / DAYS</u>	<u>UNTIL</u>
Portage Lake, MI	31/13	SEDIMENT REMEDIATION	24 HRS / 7 DAYS	01 Sep. 13 – TBD
Ashland, WI	30/15	CONSTRUCTION	24 HRS / 7 DAYS	03 Aug. 15 – 01 Jun 16

LAKE MICHIGAN

None

Freezing Spray Observations – All Coastal and High Seas Waters

NOAA and Environment Canada are evaluating each country's freezing spray forecast models and tools in an effort to improve freezing spray forecasts. With ship observations of freezing spray, Environment Canada and NOAA scientists and forecasters will be able to better predict freezing spray conditions to protect life and property at sea. NOAA and Environment Canada are requesting mariners that encounter freezing spray to submit observations online at <http://go.usa.gov/WYbm>.

National Oceanic and Atmospheric Administration • Environment Canada

WANTED: Freezing Spray and Icing Observations

*Ever experience
freezing spray
conditions on your
vessel? Report it!*



Ice accumulated on
NOAA Ship Oscar Dyson
Photo credits: NOAA Office of
Marine and Aircraft Operations

Send us your observation:

Date & Time
Latitude & Longitude
Icing conditions and rate
Air temperature
Sea conditions
Wind conditions
Relative Humidity

Online reporting form:
<http://go.usa.gov/WYbm>



Freezing spray is an important safety issue in coastal Canadian and United States waters. In an effort to improve freezing spray forecasts, NOAA and Environment Canada are teaming up to evaluate each country's freezing spray forecast models and tools. Analysis of freezing spray cases, forecaster feedback, and ship observations will allow Environment Canada and NOAA scientists and forecasters to better predict dangerous freezing spray conditions to protect life and property at sea.

The success of this study depends on you: whenever possible, please report icing conditions to NOAA and Environment Canada

Send reports online :
<http://go.usa.gov/WYbm>



**Environment
Canada**



INTERNATIONAL INTERPRETIVE RULES 33 CFR 82, §82.5; read:

For the purposes of Rule 30 of the 72 COLREGS, a vessel at anchor includes a barge made fast to one or more mooring buoys or other similar device attached to the sea or river floor. Such a barge may be lighted as a vessel at anchor in accordance with Rule 30, or may be lighted on the corners in accordance with 33 CFR 88.30(h) through (l).

(USCG)

GREAT LAKES - GENERAL - MARINE EVENTS – SAFETY ZONES – SECURITY ZONES

Events listed below are those events that may have accompanying special local regulations.

<u>Location</u>	<u>LNLM</u>	<u>Events</u>	<u>Dates</u>	<u>Time (Local)</u>	<u>POC or Sponsor</u>	<u>Number</u>
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LAKE ONTARIO

None Reported

LAKE ERIE

None Reported

DETROIT RIVER, LAKE ST CLAIR AND ST CLAIR RIVER

None Reported

LAKE HURON

None Reported

LAKE SUPERIOR

None Reported

ST. MARYS RIVER

None Reported

STRAITS OF MACKINAC

None Reported

LAKE MICHIGAN

None Reported

GREAT LAKES - GENERAL - MARINE EVENTS – SAFETY ZONES – SECURITY ZONES

Events listed below are those events that may have accompanying special local regulations.

<u>Location</u>	<u>LNM</u>	<u>Events</u>	<u>Dates</u>	<u>Time (Local)</u>	<u>POC or Sponsor</u>	<u>Number</u>
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GREAT LAKES - GENERAL - MARINE EVENTS – SAFETY ZONES – SECURITY ZONES

Events listed below are those events that may have accompanying special local regulations.

<u>Location</u>	<u>LNM</u>	<u>Events</u>	<u>Dates</u>	<u>Time (Local)</u>	<u>POC or Sponsor</u>	<u>Number</u>
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**US Army Corps
of Engineers**

Chicago District Operations
111 N. Canal St.; Suite 600
Chicago, IL 60606-7206
(312) 846-5484
FAX - (312) 353-2141

Notice to Navigation Interests

Notice No. 15-001

Date: 29 October 2015

Waterway: Chicago Harbor & Chicago River Location: CHICAGO, IL
Chicago Harbor and River NOAA Charts: 14905, 14926, 14927, & 14928

CELRC-TS-C-T

CHICAGO HARBOR LOCK CLOSURE SCHEDULE FOR GATE REPAIRS

1. The following closure schedule is necessary to dewater gate bays and repair all four lock gates to prevent future issues that could require an emergency closure
2. The Chicago Harbor Lock will be closed starting at 0500 27 January 2016 through midnight 21 March 2016.
3. The lock will resume normal operations starting at 0000 22 March 2016.
4. The following is a link to Chicago District Notice to Navigation Interests page where all Chicago District notices are posted.
<http://www.lrc.usace.army.mil/Missions/Navigation/NavigationNotices.aspx>
5. If you have any comments or questions regarding this notice, you may contact Bob Ojala in Chicago District Operations at 312-8465488 or robert.a.ojala@usace.army.mil.

Shamel AbouElSeoud, P.E.
Chief, Construction Operations Branch

Sorted by Chart Number

Authorized Winter Hours for Great Lakes Bridges
October 15, 2015 - April 30, 2016

Last Updated: 30 NOV 2015

Chart Number	Port Name	Bridge Name	Mile	Waterway	Start Date	End Date	Advance Notice	Primary Phone	Secondary Phone	Alternate Phone	Alternate Phone
14815	Rochester	O' Rorke	1.2	Genesee	16-Dec	31-Mar	12-hours	585-753-7720			
14832	Black Rock	Ferry Street	2.6	Black Rock	01-Dec	14-Apr	4-hours	716-866-4323			
14832	Black Rock	Canadian Natl	3.8	Black Rock	01-Dec	14-Apr	4-hours	Pending	verification		
14833	Buffalo	Michigan Ave	1.3	Buffalo River	16-Dec	21-Mar	04-hours	716-866-4323			
14833	Buffalo	Ohio St	2.1	Buffalo River	16-Dec	21-Mar	04-hours	716-866-4323			
14836	Ashtabula	Fifth Street	1.38	Ashtabula	13-Dec	29-Mar	12-hours	440-576-2816	440-969-4919	440-536-2941	419-645-9041
14836	Ashtabula	NS RR	1.4	Ashtabula	30-Nov	01-Apr	24-hours	440-992-2257			216-857-7520
14839	Cleveland	Center St	1.39	Cuyahoga	28-Dec	14-Mar	12-hours	216-664-4767	Note 4		216-857-7520
14839	Cleveland	Columbus	1.93	Cuyahoga	28-Dec	14-Mar	12-hours	216-664-4767	Note 4		216-857-7520
14839	Cleveland	West 3rd St	3.69	Cuyahoga	28-Dec	14-Mar	12-hours	216-664-4767	Note 4		216-857-7520
14839	Cleveland	Willow Ave	1.02	Cuyahoga Old	31-Dec	14-Mar	12-hours	216-664-4767	Note 4		216-857-7520
14841	Lorain	Erie Ave	0.6	Black River	01-Jan	31-Mar	12-hours	VHF-FM 16	440-244-2137		
14844	Port Clinton	Monroe St	0.4	Portage River	01-Dec	30-Apr	24-hours	419-409-0125	419-409-0247	419-409-0110	419-373-7092
14844	Port Clinton	Monroe St	0.4	Portage River	01-Dec	30-Apr	24-hours	419-373-7086	419-373-7092	419-373-4483	419-373-7086
14844	Port Clinton	NS RR	1.5	Portage River	01-Dec	30-Apr	24-hours	419-697-5077	313-323-5806		
14844	Port Clinton	NS RR	1.5	Portage River	01-Nov	01-Dec	Note 1	419-697-5077	313-323-5806		
14844	Sandusky	NS RR	3.5	Sandusky	01-Dec	31-Mar	24-hours	419-697-5077	313-323-5806		
14844	Sandusky	NS RR	3.5	Sandusky	01-Nov	01-Dec	Note 1	419-697-5077	313-323-5806		
14846	Toledo	CSX RR	1.07	Maumee	21-Dec	31-Dec	04-hours	419-661-3035	419-729-4321	419-661-0357	904-359-7551
14846	Toledo	CSX RR	1.07	Maumee	31-Dec	31-Mar	12-hours	419-661-3035	419-729-4321	419-661-0357	904-359-7551
14846	Toledo	W&LE	1.8	Maumee	21-Dec	31-Dec	04-hours	330-575-2919			
14846	Toledo	W&LE	1.8	Maumee	31-Dec	31-Mar	12-hours	330-575-2919			
14846	Toledo	Craig Mem	3.3	Maumee	21-Dec	31-Dec	04-hours	419-409-0125	419-409-0161	419-409-0110	419-373-7050
14846	Toledo	Craig Mem	3.3	Maumee	01-Jan	31-Mar	12-hours	419-409-0125	419-409-0161	419-409-0110	419-373-7050
14846	Toledo	Craig Mem	3.3	Maumee	01-Jan	31-Mar	12-hours	419-409-0125	419-409-0161	419-409-0110	419-373-7050
14846	Toledo	Craig Mem	3.3	Maumee	01-Jan	31-Mar	12-hours	419-409-0125	419-409-0161	419-409-0110	419-373-7050
14846	Toledo	MLK	4.3	Maumee	21-Dec	31-Dec	04-hours	419-936-3920	419-467-3644	419-467-3558	
14846	Toledo	MLK	4.3	Maumee	01-Jan	31-Mar	12-hours	419-936-3920	419-467-3644	419-467-3558	
14846	Toledo	NS RR	5.76	Maumee	21-Dec	31-Mar	12-hours	419-697-5077	313-323-5806		
14848	St. Clair	M29	0.1	Pine River	01-Dec	31-Mar	24-hours	810-329-7121	810-329-5710		
14848	Detroit	Grosse Ile Free	5.6	Detroit River	15-Dec	15-Mar	12-hours	734-955-2172	888-762-3273	734-576-9607	
14848	Detroit	Grosse Ile Toll	8.8	Detroit River	15-Dec	15-Mar	12-hours	734-282-2914			

Please report listing discrepancies to:
Lee Soule, Bridge Management Specialist

9th Coast Guard District (dpb)
Cleveland, Ohio

lee.d.soule@uscg.mil
216-902-6085

Sorted by Chart Number

Authorized Winter Hours for Great Lakes Bridges
October 15, 2015 - April 30, 2016

Last Updated: 30 NOV 2015

14864	Alpena	2nd Ave	0.3	Thunder Bay	01-Jan	31-Dec	03-hours	989-464-3416		
14865	Port Huron	Canadian Natl	1.56	Black River	01-Dec	31-Mar	24-hours	708-332-3160	877-333-7989	248-431-0673
14865	Port Huron	Military St	0.3	Black River	01-Dec	31-Mar	24-hours	810-985-8115		
14865	Port Huron	Seventh St	0.5	Black River	01-Dec	31-Mar	24-hours	810-985-8115		
14865	Port Huron	Tenth St	0.9	Black River	01-Dec	31-Mar	24-hours	810-985-8115		
14867	Bay City	Lake State RR	3.1	Saginaw	01-Jan	31-Mar	12-hours	989-757-7570	989-387-3941	
14867	Bay City	Canadian Natl	4.94	Saginaw	01-Jan	31-Mar	12-hours	989-529-0952	989-529-0949	
14867	Bay City	Independence	3.88	Saginaw	01-Jan	31-Mar	12-hours	989-233-1053		
14867	Bay City	Liberty	4.99	Saginaw	01-Jan	31-Mar	12-hours	989-233-1053		
14867	Bay City	Veterans Mem	5.6	Saginaw	01-Jan	31-Mar	12-hours	616-558-1040	989-892-8389	
14867	Bay City	Lafayette	6.78	Saginaw	01-Jan	31-Mar	12-hours	616-558-1040	989-892-8389	
14884	SOO	Canadian Natl		SOO LOCKS	Note 3	Note 3	Special	906-635-4276	906-630-2203	920-579-6754
14886	Cheboygan	US23	0.9	Cheboygan	16-Nov	31-Mar	08-hours	231-627-9414	231-238-7775	
14906	South Haven	Dyckman Ave	1.9	Black River	15-Oct	30-Apr	12-hours	269-637-5151		
14916	Gills Landing	Canadian Natl	27.8	Wolf River	15-Oct	15-Apr	12-hours	708-332-3893		
14916	Oshkosh	Canadian Natl	55.7	Fox River	16-Oct	19-Apr	12-hours	708-332-3893		
14916	Oshkosh	HWY Bridges	xx	Fox River	16-Oct	19-Apr	12-hours	920-832-5580	920-832-5500	920-232-1715
14917	Marinette	Ogden-First	0.4	Menominee	01-May	31-Oct	Note 2	715-923-0999	715-732-7600	
14917	Marinette	Ogden-First	0.4	Menominee	01-Nov	30-Apr	12-hours	715-923-0999	715-732-7600	
14918	Green Bay	Canadian Natl	1.03	Fox River	01-Dec	31-Mar	12-hours	920-572-0398	920-436-5902	
14918	Green Bay	Main Street	1.58	Fox River	01-Dec	31-Mar	12-hours	920-448-3100	920-492-3735	
14918	Green Bay	Walnut Street	1.81	Fox River	01-Dec	31-Mar	12-hours	920-448-3100	920-492-3735	
14918	Green Bay	Mason Street	2.27	Fox River	01-Dec	31-Mar	12-hours	920-448-3100	920-492-3735	
14918	Green Bay	Canadian Natl	3.31	Fox River	01-Dec	31-Mar	12-hours	920-572-0398	920-436-5902	
14919	Sturgeon Bay	Bayview 42/57	3	Sturgeon Bay	01-Dec	14-Mar	12-hours	920-746-0187	920-495-2278	
14919	Sturgeon Bay	Maple-Oregon	4.17	Sturgeon Bay	01-Jan	14-Mar	12-hours	920-746-0187	920-495-2278	
14919	Sturgeon Bay	Michigan St.	4.3	Sturgeon Bay	01-Jan	14-Mar	12-hours	920-746-0187	920-495-2278	
14922	Manitowoc	Eighth Street	0.29	Manitowoc	01-Nov	31-Mar	12-hours	920-686-6550	920-683-4470	
14922	Manitowoc	Tenth Street	0.43	Manitowoc	01-Nov	31-Mar	12-hours	920-686-6550	920-683-4470	
14922	Sheboygan	Eighth Street	0.69	Sheboygan	01-Nov	30-Apr	12-hours	920-980-3106	920-459-3440	
14924	Milwaukee	Broadway St	0.79	Milwaukee	20-Nov	16-Apr	12-Hours	VHF-FM 16	414-286-2575	
14924	Milwaukee	Water St	0.94	Milwaukee	20-Nov	16-Apr	12-Hours	VHF-FM 16	414-286-2575	
14924	Milwaukee	St. Paul Ave	1.21	Milwaukee	20-Nov	16-Apr	12-Hours	VHF-FM 16	414-286-2575	
14924	Milwaukee	All City Owned	1.28	Milwaukee	20-Nov	16-Apr	12-Hours	VHF-FM 16	414-286-2575	

Please report listing discrepancies to:
Lee Soule, Bridge Management Specialist

9th Coast Guard District (dpb)
Cleveland, Ohio

lee.d.soule@uscg.mil
216-902-6085

Sorted by Chart Number

Authorized Winter Hours for Great Lakes Bridges
October 15, 2015 - April 30, 2016

Last Updated: 30 NOV 2015

14924	Milwaukee	Canadian Pac	1.05	Menominee	20-Nov	20-Apr	12-Hours	414-389-3772	608-742-6000	414-278-1385
14924	Milwaukee	Canadian Pac	1.67	Kinnickinnic	20-Nov	20-Apr	12-Hours	414-389-3772	608-742-6000	414-278-1385
14924	Milwaukee	All City Owned	1.08	Menominee	20-Nov	16-Apr	12-Hours	VHF-FM 16	414-286-2575	
14924	Milwaukee	S. Eleventh St	1.96	Burnham	25-Nov	16-Apr	12-Hours	VHF-FM 16	414-286-2575	
14924	Milwaukee	All City Owned	1.67	Kinnickinnic	25-Nov	16-Apr	12-Hours	VHF-FM 16	414-286-2575	
14925	Racine	Main & State		Root River	01-Dec	01-Apr	2-Hours	262-636-9126	262-770-7473	
14926	Michigan City	Franklin St	0.5	Trail Creek	01-Dec	15-Mar	12-hours	219-362-6205	219-879-6700	
14926	Michigan City	Amtrak RR	0.9	Trail Creek	01-Dec	15-Mar	12-hours	312-655-2244		
14927	Chicago	All City Owned		Chicago	01-Dec	31-Mar	48-hours*	312-744-4200	312-747-2470	312-744-4280
14929	Indiana Harbor	Indianapolis	2.59	Ind Hbr C.	02-Nov	28-Mar	12-hours	219-851-1141	219-608-4272	219-851-3944 219-575-2707
14930	St. Joe	CSX RR	0.67	St. Joe	16-Dec	28-Feb	12-hours	616-246-5600	616-246-5675	
14930	St. Joe	Blossomland	0.9	St. Joe	16-Dec	28-Feb	12-hours	269-983-5072	269-370-1870	
14930	St. Joe	Bicentennial	1.3	St. Joe	16-Dec	28-Feb	12-hours	269-926-2215	269-370-1870	
14933	Grand Haven	CSX RR	2.8	Grand River	02-Dec	15-Mar	12-hours	231-788-8392	616-293-0564	
14933	Grand Haven	US 31	2.9	Grand River	15-Dec	15-Mar	12-hours	616-842-1994	616-847-3469	616-842-5400 616-690-6111
14938	Manistee	Maple St	1.1	Manistee	01-Nov	30-Apr	24-hours	231-723-6241		
14938	Manistee	US 31	1.4	Manistee	01-Nov	30-Apr	24-hours	231-723-6241		
14938	Manistee	CSX RR	1.5	Manistee	01-Nov	30-Apr	24-hours	231-723-6241	904-359-7551	
14942	Charlevoix	US 31	0.3	Pine River	01-Jan	31-Mar	12-hours	231-499-8961	231-357-2377	
14972	Keweenaw	US 41	16	Keweenaw	01-Jan	15-Mar	24-hours	906-482-4877		
14975	Duluth	Aerial	0.25	Ship Canal	01-Jan	15-Mar	12-hours	218-723-3387	218-343-0395	
14975	Duluth	BNSF\Grassy PT	5.44	St. Louis	12-Dec	01-Jan	12-hours	715-394-1259	715-394-1257	
14975	Duluth	BNSF\Grassy PT	5.44	St. Louis	01-Jan	15-Mar	24-hours	715-394-1259	715-394-1257	
14998	Rainer	Canadian Natl	85	Rainy River	03-Nov	30-Apr	12-hours	218-628-4785		

*****	Hours not	requested yet
Note 1	0800-1600	Open On Signal
Note 2	0700-2300	Open On Signal
Note 3	See	33 CFR 117.653

* 12-Hours Commercial

Note 4 rpliodzinkas@city.cleveland.oh.us

Please report listing discrepancies to:
Lee Soule, Bridge Management Specialist

9th Coast Guard District (dpb)
Cleveland, Ohio

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216-902-6085



**US Army Corps
of Engineers®**

DETROIT DISTRICT
ATTN: CELRE-DE
477 MICHIGAN AVENUE
DETROIT MI 48226-2575
[HTTP://WWW.LRE.USACE.ARMY.MIL/](http://www.lre.usace.army.mil/)

NOTICE TO NAVIGATION INTERESTS

DATE: 11/19/2015

POC: Technical Services Branch
(313) 226-2384

NOTICE NUMBER: 5529

LOCAL NUMBER: L15-08
WATERWAY: ST. MARYS RIVER

EFFECTIVE: thru 01/15/2016 15:06 EST

OPERATIONAL STATUS AND LOCK CLOSINGS SOO LOCKS

1. The MacArthur Lock will be operated on a 24-hour basis through 0700 hours on 13 December 2015. After that time, the MacArthur Lock will be closed for the season.
2. The Poe Lock will remain operational (on a 24-hour basis) through 15 January 2016 or until commercial traffic ceases, whichever occurs first.
3. Operators of vessels that will be transiting the locks during the January lock operational period will keep the Engineer-in-Charge advised of their schedules.

//signed//

DAVID L. WRIGHT, P.E.
Chief, Operations
USACE-Detroit



Notice to Navigation Interests

US Army Corps
Of Engineers
Buffalo District
1776 Niagara Street
Buffalo, New York 14207-3199

Notice No. M16-01 Date 9 December 2015
Black Rock Channel & Tonawanda Harbor, NY
Waterway

Black Rock Lock Operations - The Black Rock Lock hours and dates for the 2016 navigation season are as follows:

1 January - 16 April	8:00 am - 4:00 pm Monday - Friday
3 May - 6 May	Closed for Maintenance
17 April - 14 May	8:00 am - 4:00 pm Monday - Sunday
15 May - 17 September (Extended Season)	8:00 am - 10:00 pm Weekdays 11:00 am - 10:00 pm Weekends
18 September - 29 October	8:00 am - 4:00 pm Monday - Sunday
30 October - 31 December	8:00 am - 4:00 pm Monday - Friday

For any lock transit requests during the period 3 May thru 6 May 2016 please call 716-879-4403 to check on current maintenance and lock reopening status.

The lock will be closed on the following 2016 Federal Holidays:

01 January / 18 January / 15 February / 11 November / 24 November / 26 December

Commercial traffic will be accommodated on a 24-hour basis with prior notification.

Questions on lock operations may be directed to the Black Rock Lock during scheduled operating hours by calling (716) 879-4403 or to the New York/Pennsylvania Operations and Maintenance Office between the hours of 7:00 a.m. and 3:00 p.m. at (716) 879-4293, Fax (716) 879-4356. The Lock may also be contacted on marine radio channel 16 (working Channel 12).

Tug and Barge Operators are reminded that Personal Flotation Devices (PFDs) are required for all Barge personnel during the approach and while transiting the Lock and are recommended for all vessel crew members and passengers.

The Black Rock Lock Channel extends from Buffalo Harbor to the Black Rock Lock. It is three and one-half miles in length. The Federal navigation channel has a minimum width of 200 feet. Pleasure crafts are required to yield the right-of-way to commercial vessels due to the confined waters of the channel.

The Black Rock Lock and the Black Rock Channel provide safe passage for vessels to travel between Buffalo Harbor and Tonawanda Harbor around the reefs, rapids and fast currents that exist in the upstream portion of the Niagara River.

In combination with the New York State Erie Canal, Black Rock Lock and Black Rock Channel provide an inland water route between Lake Erie and the Atlantic Ocean. Branch canals in the New York State canal system provide vessels access to Lake Erie and Lake Champlain.

Charts: 14832 - Upper Niagara River, New York
14833 - Buffalo Harbor, New York

Edward F. Gawarecki
Chief, NY/PA O&M Office

Waterway Analysis and Management System Survey

Name of Waterway: _____

User Information

___ Commercial User

___ Recreational User

Number of years in the maritime industry or number of years using this waterway: _____

Number of transits in the waterway per year: _____

Number of night transits of waterway: _____

Seasonal Dates: Start: _____ End: _____

Name of Vessel: _____

Vessel Description: _____

Length: _____ Beam: _____ Draft: _____ Gross Tons: _____

Net Tons: _____ Bridge Height of Eye: _____

Cargo Carried: _____

Navigational tools used: (ECDIS/ECPINS, GPS, DGPS, VISUAL, RADAR) _____

What area do you believe is the most dangerous or difficult to navigate: _____

Are the floating aids to navigation (lighted and unlighted buoys) adequate for this waterway: _____

Are the fixed aids to navigation (lights, ranges, lighthouses, daybeacons) adequate for this waterway: _____

Are the year round and lighted ice buoys adequate: _____

Are there buoys that you feel should be changed to fixed aids to navigation?

Are there any buoys that could be eliminated from this waterway: _____

Are there any buoys with sound signals that the bell or gong could be removed:

Are there any areas that require additional aids to navigation in this waterway:

Do the nautical charts, Coast Pilot, and Light List meet your needs for this waterway: _____

Are there private Aids to Navigation that you find misleading or interfere with the current system in the waterway:

Any addition comments on this waterway: _____

Thank you for taking time to comment on this waterway. Your input as a mariner very valuable to the U. S. Coast Guard in evaluating waterways to make them safe and as easily navigable as possible. Please feel free to contact Mr. Doug Sharp at william.d.sharp@uscg.mil or (216) 902-6070 with any other questions or concerns about any aids to navigation in the Great Lakes. The survey can be mailed to:

Commander (dpw-2)
Ninth Coast Guard District
1240 East Ninth Street
Cleveland, Ohio 44199

U.S. Coast Guard to Test Automatic Identification System (AIS) Aids to Navigation (ATON)

In the near future, the U.S. Coast Guard and other authorized agencies and organizations (i.e., U.S. Army Corps of Engineers, Marine Exchange of Alaska) will begin transmitting AIS ATON messages and marine safety information via AIS for testing and evaluation. The exact content, location, and times of these broadcasts will be announced in future Local Notices to Mariners.

AIS is an internationally adopted radio communication protocol that enables the autonomous and continuous exchange of navigation safety related messages amongst vessels, lifeboats, aircraft, shore stations, and aids to navigation (AIS ATON). AIS ATON stations broadcast their presence, identity (9-digit Marine Mobile Service Identity (MMSI) number), position, and status at least every three minutes or as needed. These broadcasts can originate from an AIS station located on an existing physical aid to navigation (Real AIS ATON) or from another location (i.e., AIS Base Station). An AIS Base Station signal broadcasted to coincide with an existing physical aid to navigation is known as a Synthetic AIS ATON. An electronically charted, but non-existent as a physical aid to navigation, is identified as a Virtual AIS ATON. The latter two can be used to depict an existing aid to navigation that is off station or not watching properly or to convey an aid to navigation that has yet to be charted. All three variants can be received by any existing AIS mobile device, but they would require an external system for their portrayal (i.e., AIS message 21 capable ECDIS, ECS, radar, PC). How they are portrayed currently varies by manufacturer, but the future intention is for the portrayal to be in accordance with forthcoming International Standards (i.e., IEC 62288 (Ed. 2), IHO S-4 (Ed. 4.4.0)).

Mariners capable of receiving and displaying these test AIS messages are encouraged to provide feedback and report any anomalies to the USCG NAVCEN Website: <http://www.navcen.uscg.gov> | Contact Us Tab | Subject: AIS | Category: AIS Testing.

Example of Local Notice to Mariners Chart Corrections for AIS ATONs

Chart Correction for *Real AIS ATON*

12326	52nd Ed.	01-JUNE-13	Last LNM: 53/13	NAD 83		LNM/14
<i>Chart Title: Approaches to New York</i>						
ADD		Magenta circle AIS Chart No. 1: S17.2 to ABC Channel Lighted Whistle Buoy A and			CGD 40-27-27.991N	073-50-12.228W
CHANGE		Characteristic to RW "A" Mo (A) WHIS Racon (") AIS				

Chart Correction for *Synthetic AIS ATON*

18649	68th Ed.	01-JUNE-13	Last LNM: 52/13	NAD 83		LNM/14
<i>Chart Title: Entrance to San Francisco Bay</i>						
ADD		Magenta circle AIS Chart No. 1: S17.2 to ABC Approach Lighted Whistle Buoy AB and			CGD 37-44-59.749N	122-41-33.940W
CHANGE		Characteristic to RW "AB" Mo (A) WHIS Racon (-) AIS				

Chart Correction for *Virtual AIS ATON*

12314	33rd Ed.	01-JUNE-12	Last LNM: 51/13	NAD 83		LNM/14
<i>Chart Title: Delaware River Philadelphia to Trenton</i>						
ADD		ABC Railroad Bridge South Starboard V-AIS ATON Chart No. 1: S18.2		to	CGD 39-58-55.059N	075-04-06.856W
ADD		ABC Railroad Bridge South Port V-AIS ATON Chart No. 1: S18.2		to	38-58-55.803N	076-23-04.547W

Virtual AIS ATON Symbology for Electronic Chart Display and Information System (ECDIS)

Port Lateral (IALA B)	A Virtual object marking the port side of a channel	 V-AIS
Starboard Lateral (IALA B)	A Virtual object marking the starboard side of a channel	 V-AIS
Isolated Danger	A Virtual object marking an isolated danger	 V-AIS
Safe Water	A Virtual object marking safe water	 V-AIS
Special Purpose	A Virtual object used to mark an area or feature referred to in nautical documents	 V-AIS

AIS ATON Symbology of the International Electrotechnical Commission (IEC) and International Maritime Organization (IMO)

