U.S. Department
of Homeland Security

United States Coast Guard

LOCAL NOTICE TO MARINERS

District: 9 Week: 43/16

Issued by: Commander (dpw)
Ninth Coast Guard District
1240 East Ninth Street,
Cleveland, OH 44199-2060
Telephone: (216) 902-6069

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@uscg.mil
** 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: 2016 U.S. Coast Pilot 6 Great Lakes 46th 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=lnmMain 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 - B199-16 through B199-16
Ninth District - C188-16 through C191-16
Sector Detroit, MI - D140-16 through D142-16
Sector Lake Michigan, WI - M463-16 through M465-16
Sector Sault Ste Marie, MI - S138-16 through S145-16

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
Al - 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

ZIKA VIRUS UPDATE

The U.S. Department of Transportation's Maritime Administration (MARAD) has issued MARAD Advisory 2016-03 on the Zika Virus and Impacts on Maritime Commerce. The Advisory can be found at https://www.marad.dot.gov/newsroom/advisory/2016/marad-advisory-2016-03/. U.S. flag operators are requested to forward this link to their ships by the most expeditious means.

LNM: 39/16

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 - PA - 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 - OH - 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 - OH - Sandusky harbor - Chart 14845

Moseley Channel Lighted bell Buoy "1" (LLNR 4580)
Moseley Channel Lighted Buoy "2" (LLNR 4585)

LNM: 42/15

LAKE ERIE - MI - Monroe Harbor - Chart 14846

Monroe Harbor Lighted Buoy "1" (LLNR 6570)
Monroe Harbor Lighted Buoy "2" (LLNR 6575)

LNM: 42/15

DETROIT RIVER - MI - 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 - MI - 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 - MI - Head of St. Clair River - Chart 14852

Russel Island Shoal Lighted Buoy "RI" (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 - MI - 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 - MI - 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 - MI - 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 - MI - 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 - MN - Duluth Harbor - Chart 14975

Duluth Harbor Basin Traffic Buoy (LLNR 15870)

LNM: 42/15

LAKE MICHIGAN - MI - 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 - MI - 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 - IL - Calumet and Indiana harbor - Chart 14929

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

LNM: 42/15

LAKE MICHIGAN - WI - 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 - WI - Big Bay De Noc - Chart 14908

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

LNM: 42/15

LAKE MICHIGAN - WI - Little Bay De Noc - Chart 14915

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

LNM: 42/15

LAKE MICHIGAN - WI - 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 - WI - Lower Green Bay - Chart 14910

Sherwood Point Traffic Lighted Bell Buoy (LLNR 22005)

LNM: 42/15

LAKE MICHIGAN - WI - 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

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, 46th Edition, 2016, 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 2016 Edition cancels the preceding 2015 Edition, and incorporates all previous corrections.

LNM: 08/16

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/cgcvc/cvc/policy/policy_letters/543/CG-543_pol10-05.pdf

LNM: 02/16

USE OF ELECTRONIC CHARTS AND PUBLICATIONS IN LIEU OF PAPER CHARTS, MAPS, AND PUBLICATIONS

The U.S. Coast Guard has issued Navigation and Vessel Inspection Circular (NVIC) No. 01-16 which contains guidance on the use of electronic charts and publications in lieu of paper charts, maps, and publications. This guidance applies to U.S. flagged vessels subject to U.S. domestic chart, map, and publication carriage requirements contained in Titles 33 and 46 of the Code of Federal Regulations. The NVIC can be viewed at https://www.uscg.mil/hq/cg5/nvic/default.asp or https://cgportal2.uscg.mil/library/directives/SitePages/Home.aspx.

LNM: 06/16

GREAT LAKES - Great Lakes Water Levels

The expected water levels on the Great Lakes for October 28, 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 +13, Lake Erie +32, Lake St. Clair +32 Lake Michigan-Huron +26, Lake Superior +18.

St Lawrence River:

Above Long Sault Dam +27, Above Iroquois Dam +15, Ogdensburg +14, Alexandria Bay +13, Head of River at Cape Vincent +13.

Detroit River:

Lake Erie at Pelee Passage +32, Mouth of River at Gibraltar +33, Fort Wayne +36, Head of River above Belle Isle +33.

St. Clair River:

Mouth of River at St. Clair Flats +32, Algonac +36, St. Clair +31, Blue Water Bridge +31, Head of River at Fort Gratiot +28, Lake Huron Approach Channel +26.

St. Marys River:

Mouth of River at Detour +26, West and Middle Neebish +24, Head of Little Rapids +26, U.S. Slip +26, Above Locks +20, Head of River at Point Iroquois +18.

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: 43/16

ST. LAWRENCE RIVER- NY - Isle St. Regis To A Croil Islands- CHART 1435

The following aids to navigation have been permanently discontinued by request of the SLSDC:

Galop Island Sluff In Downstream Buoy (LLNR 825)
St. Lawrence Seaway Buoy "121A" (LLNR 830)

LNM: 35/16

LAKE ERIE – NY – Buffalo Ship Canal – Chart 14833

There is a steel I-beam protruding out of the water in approximate position 42-51.640N 078-52.100W. The steel I-beam is marked with a temporary white buoy FL W 4s.

LNM: 17/16

LAKE ERIE - OH - 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

LAKE HURON - Saginaw Bay - Chart 14863

Tawas Light (LLNR 11240) The light in the lighthouse has been permanently discontinued. The light has been moved to Tawas Point in position AT 44-14-54N/083-27-32W. The characteristic of the light has changed FL W 4(1)s. The range of the light is 11 statute miles. The red sector has been discontinued.

LNM: 40/16

STRAITS OF MACKINAC - De Tour Passage to Waugoshance Point - Chart 14881

The following seasonal aids to navigation will be decommissioned for the season this year on November 14 which is earlier than the advertised Light List date:

Mackinac Bridge Lighted Bell Buoy "1" (LLNR 12625)
Mackinac Bridge Lighted Gong Buoy "2" (LLNR 12630)
Mackinac Bridge Lighted Bell Buoy "3" (LLNR 12645)
Mackinac Bridge Lighted Gong Buoy "4" (LLNR 12650)
Cheboygan Traffic Lighted Bell Buoy (LLNR 12180)

LNM: 39/16

LAKE MICHIGAN - MI - 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 - IL - Illinois River - Aton Discrepancy

The Coast Guard has received a report that the red nun buoy and green can buoy on the Illionois River at MM 283.9 are switched around. All mariners transit the area with caution.

LNM: 34/16

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. MARY'S RIVER - Munuscong Lake to Sault Ste. Marie - Chart 14883

Middle Neebish South Range Front Light (LLNR 13275) The light and day mark will be discountinued beginning on September 12, 2016 for approximately 60 days for construction repairs.

LNM: 36/16

ST. MARY'S RIVER - Munuscong Lake to Sault Ste Marie - Chart 14883

Sugar Island Leading Light (LLNR 14040) The light has been replaced with a Sectored Port Entry Light. The light displays an ISO W 6s light in the channel center, a green light when right of channel center, and a red light when left of channel center while down bound.

LNM: 37/16

ST. MARYS RIVER - MI - 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 aids should be turned back on prior to the Spring 2016 navigation season.

LNM: 50/15

LAKE SUPERIOR - MI - St. Mary's River to Au Sable Point - Chart 14962

Little Lake Harbor has shoaled to less than 4 feet across the entrance between Little Lake Harbor Light "2" (LLNR 14540) and Little Lake Harbor Light "3" (LLNR 14545). The aids to navigation will continue to be maintained however transiting into this harbor is not recommended due to the shoaling.

LNM: 12/16

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
1410	St. Lawrence Seaway Light 204	REDUCED INT			40/16	
3765	Ashtabula Harbor Lighted Buoy 3	LT EXT	14836	B188-16	39/16	
4155	Cleveland Harbor East Basin Channel Lighted Buoy 8	LT EXT	14839	B191-16	40/16	
4625	Sandusky Straight Channel Range Front Light	DAYMK MISSING	14842	D118-16	35/16	
6785	Long Point Light (C)	LT IMCH		B158-16	33/16	
9870	Courtright Light (C)	LT EXT		D074-16	23/16	
13500	**West Neebish Channel (Downbound) Lighted Buoy 50**	**LT EXT**	**14887**	**S145-16**	**43/16**	
19545	**Michigan City East Pierhead Light**	**STRUCT DMGD**	**14926**		**43/16**	
21940	Menominee Pier Light 6	LT EXT	14917	M115-16	17/16	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
4635	Sandusky Straight Channel Lighted Buoy 11	RELIGHTED	14845		42/16	43/16
4755	Sandusky Bay Exit Channel Lighted Buoy 3	RELIGHTED	14845		42/16	43/16
5085	Squaw Island Light	RELIGHTED	14842		42/16	43/16
8550	Lake St. Clair Lighted Buoy 26	RELIGHTED	14853		43/16	43/16
8600.1	St. Clair Cut-Off Channel Lighted Buoy 32	RELIGHTED	14853		43/16	43/16
9790	Marine City Shoal Lighted Buoy 40	RESET ON STATION	14853	D136-16	41/16	43/16
13315	Middle Neebish Channel Light 50	WATCHING PROPERLY	14887		43/16	43/16
13770	East Neebish Island Channel Lighted Buoy 3	DISCONTINUED	14887		43/16	43/16
14160	Bayfield Rock Range Front Light	WATCHING PROPERLY	14883		43/16	43/16

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
2515	Youngstown Safe Boating Zone Lighted Float A	OFF STA/LT IMCH	14816	B118-16	29/16	
4035	Cleveland Intake Lighted Buoy	LT EXT	14826		30/16	
4190	Whiskey Island Marina Entrance Light 1	LT IMCH/DAYMK MISSING	14839	B059-16	21/16	
4191	Whiskey Island Marina Entrance Light 2	DAYMK MISSING	14839	B060-16	21/16	
4810	**Causeway Leading Light**	**LT EXT**	**14845**		**43/16**	
8695	Grosse Point Club Harbor Entrance West Light	LT EXT	14853	D179-15	42/15	
19580	Burns Harbor East Light	LT EXT	14926		30/16	
19750	Hammond Marina Entrance Light 2	LT EXT	14926		41/16	

DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
3905	Painesville Inner Intake Crib Lighted Buoy 1	WATCHING PROPERLY	14837		24/16	43/16
5590	Kellstone Crib Light	WATCHING PROPERLY	14842		22/16	43/16
8396.1	Port Lagoon Light 1	RELIGHTED	14853		30/16	43/16

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

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
2525	Lewiston Ski Jump Light	DISCONTINUED	14816		28/16	46/16
4451	Vermilion Museum Lighthouse	DISCONTINUED	14826	B002-16	08/16	
5870	Port Clinton East Pierhead Light 1	DISCONTINUED	14842		27/16	
6015	Cooley Canal Front Range Light	DISCONTINUED	14846		11/16	
6016	Cooley Canal Rear Range Light	DISCONTINUED	14846		11/16	
10200	Harbor Beach Marina Lighted Buoy 3	DISCONTINUED	14862		17/16	
13275	Middle Neebish South Range Front Light	DISCONTINUED	14887	S123-16	39/16	
15260	Gull Island Light	Reduced Intensity	14973	S085-16	39/16	
18450	Manistee North Pierhead Light	Reduced Intensity	14938	M126-16	19/16	
18965	Grand Haven South Pierhead Entrance Light	Reduced Intensity	14933	M443-16	40/16	
18975	Grand Haven South Pierhead Inner Light	Reduced Intensity	14933	M443-16	40/16	
21935	Menominee Pierhead Light 4	TRLT	14917	M450-16	42/16	

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
19505	South Haven South Pierhead Light	Reestablished	14906		36/16	43/16

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

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.

14837 29th Ed. 01-OCT-13 Last LNM: 43/16 NAD 83 43/16

ChartTitle: **Fairport Harbor**

Main Panel 1160 FAIRPORT HARBOR LAKE ERIE-OHIO. Page/Side: N/A

RELOCATE	Fairport Harbor Breakwater Light A	CGD09 from 41-45-58.000N to 41-45-57.624N	081-16-14.000W 081-16-00.198W
RELOCATE	Fairport Harbor Breakwater Light B	CGD09 from 41-46-01.200N to 41-46-00.102N	081-15-58.900W 081-15-43.278W

14850 55th Ed. 01-AUG-16 Last LNM: 43/16 NAD 83 43/16

ChartTitle: **Lake St. Clair**

Main Panel 1257 LAKE SAINT CLAIR. Page/Side: A

CHANGE	Lake St. Clair Light 1 to Q G 37ft 5 St M "1"	CGD09 at 42-22-01.065N	082-53-59.103W

14852 47th Ed. 01-AUG-16 Last LNM: 43/16 NAD 83 43/16

ChartTitle: **St. Clair River;Head of St. Clair River**

CHART ST CLAIR RIVER. Page/Side: N/A

CHANGE	Harts Landing Light to Fl G 6(1)s 26ft 8St M	CGD09 at 42-47-02.750N	082-28-27.240W

14853 18th Ed. 01-AUG-16 Last LNM: 43/16 NAD 83 43/16

ChartTitle: **SMALL-CRAFT BOOK CHART - Detroit River, Lake St. Clair and St. Clair River (book of 47 charts)**

Extension 1276 LAKE ST.CLAIR PAGE 16. Page/Side: _16

CHANGE	Lake St. Clair Light 1 to Q G 37ft 5 St M "1"	CGD09 at 42-22-01.065N	082-53-59.103W

Extension 1296 LAKE ST CLAIR 36. Page/Side: _36

CHANGE	Lake St. Clair Light 1 to Q G 37ft 5 St M "1"	CGD09 at 42-22-01.065N	082-53-59.103W

Extension 1304 ST CLAIR RIVER PAGE 45. Page/Side: _45

CHANGE	Harts Landing Light to Fl G 6(1)s 26ft 8St M	CGD09 at 42-47-02.750N	082-28-27.240W

14906 25th Ed. 01-SEP-13 Last LNM: 28/16 NAD 83 43/16

ChartTitle: **South Haven to Stony Lake;South Haven;Port Sheldon;Saugatuck Harbor**

Inset 1377 SAUGATUCK HARBOR MICHIGAN. Page/Side: N/A

DELETE	Sounding in Feet; 8 (NOS NW-25862)	NOS 42-40-34.400N	086-12-18.300W
CHANGE	Depth Legend - Saugatuck Harbor; 11 FT FOR A WIDTH OF 90 FT MAY 2016 (NOS NW-25862)	NOS 42-40-03.400N	086-11-57.700W
CHANGE	Depth Legend - Saugatuck Harbor; 8 FT FOR WIDTH OF 100 FT MAY 2016 (NOS NW-25862)	NOS 42-40-35.000N	086-12-39.600W
ADD	Sounding in Feet; 7 (NOS NW-25862)	NOS 42-40-34.000N	086-12-19.500W
ADD	Sounding in Feet; 7 (NOS NW-25862)	NOS 42-40-37.490N	086-13-02.830W

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 - West End of Lake Erie - Chart 14830

Change the following buoys to seasonal maintained from April 7 to November 1.

Erie Proving Ground Buoy "H" (LLNR 5815)
Erie Proving Ground Buoy "J" (LLNR 5820)
Erie Proving Ground Buoy "K" (LLNR 5825)
Erie Proving Ground Buoy "L" (LLNR 5830)

LNM: 31/16

LAKE HURON - MI - Harrisville to Forty Mile Point - Chart 14864

Thunder Bay Traffic Lighted Bell Buoy "TB" (LLNR 11355) Add synthetic AIS to this aid when commissioned for the season and virtual AIS from December 01 to April 28.

LNM: 18/16

LAKE HURON - MI - Lake Huron Cut - Chart 14862

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

LNM: 43/15

LAKE HURON - MI - Detour Passage to Waugoshance Point - Chart 14881

Cheboygan Traffic Lighted Bell Buoy (LLNR 12180) Add synthetic AIS to this aid when commissioned for the season and virtual AIS from December 07 to May 01.

LNM: 18/16

LAKE MICHIGAN - WI - 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 - MI - Waugoshance Point to Seul Choix Point - Chart 14911

Simmons Reef Lighted Bell Buoy "2" (LLNR 17760) discontinue the nun winter mark from November 28 to April 21.

LNM: 15/16

LAKE MICHIGAN - WI - Upper Green Bay - Chart 14909

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

LNM: 31/14

LAKE MICHIGAN - WI - Upper Green Bay - Chart 14909

Baileys Harbor Entrance Lighted Bell Buoy (LLNR 21235) Add synthetic AIS to this aid when commissioned for the season and virtual AIS from October 14 to April 21.

LNM: 18/16

LAKE MICHIGAN - MI - Holland Harbor - Chart 14932

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

LNM: 39/12

LAKE MICHIGAN - WI - 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 - IL - Calumet River - Chart 14929

Calumet Harbor Breakwater South End Light (LLNR 19800) change the characteristic of the light from Al WR 10s to Fl R 10(1)s. 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 SUPERIOR - MI - Big Bay Point to Redridge - Chart 14964

Copper Harbor Entrance Lighted Bell Buoy "CH" (LLNR 15180) Add synthetic AIS to this aid when commissioned for the season and virtual AIS from October 14 to May 14.

LNM: 18/16

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

Proposed Project(s)	Closing	Docket No.	Ref. LNM
None			

Proposed Change Notice(s)

ST LAWRENCE RIVER - Ile St. Regis To/A Croil Islands - Chart 1433(C)

St. Lawrence Seaway Buoy "19" (LLNR 125) permanently discontinue.

LNM: 25/16

LAKE ONTARIO - Clayton To False Duck Island - Chart 14802

East Charity Shoal Traffic Lighted Buoy (LLNR 1765) discontinue the physical lighted buoy and make the aid to navigation an AIS virtual ATON.

LNM: 25/16

LAKE ERIE - Maumee Bay - Chart 14847

Maumee Bay Entrance Lighted Buoy "1" (LLNR 6045) Replace the lighted buoy with an unlighted buoy as a winter mark from December 14 to April 7.

LNM: 42/16

ST. CLAIR RIVER - Chart - 14852

Russell Island Light (LLNR 9725) Change the characteristic of the light to FG eliminating the white and green sector. The range of the light will be 8 statute miles.

LNM: 39/16

LAKE HURON - Harrisville to Forty Mile Point - Chart 14864

Alpena Light (LLNR 11370) reduce the range of the light from 12 statute miles to 10 statute miles.

LNM: 39/16

LAKE MICHIGAN - Waugoshance Point to Seul Coix Point - Chart 14911

Boulder Reef Lighted Bell Buoy "1" (LLNR 21525) permanently change the seasonal decommissioning date from December 1 to November 14.

LNM: 39/16

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.

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)
Boundary Waters / Lake of the Woods (LLNR 16925 - LLNR 17715)
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 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 ONTARIO - NY -Braddock Bay - Chart 14804

The Wesson Group, LLC will be constructing a new break wall within the mouth of Braddock Bay beginning on August 1, 2016 December, 31 2016. Hours of operation are 0700 - 1900 Monday to Saturday. Mariners should use extreme caution when transiting the area and stay clear of the operations, For further information contact Jeff Lantiegne or Matt Schuler at (315)525-7184.

LNM: 34/16

LAKE ERIE – NY – Niagara River – Chart 14816 – Bridge Maintenance

From June 13 through October 27, 2016 scaffolding will be installed under the American Rapids Bridge at Goat Island over the Niagara River that

LAKE ERIE – NY – Niagara River – Chart 14816 – Bridge Maintenance

hangs approximately 7 feet below low steel. Man lifts will be used during the installation and removal of the scaffolding. Spotters will warn of approaching vessels and move the man lifts to allow vessels to pass.

LNM: 23/16

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 – NY – Niagara River – Chart 14832 – Bridge Inspection

From October 18 to October 26, 2016 between the hours of 0800 and 1800 daily divers will be inspecting the North Grand Island Bridge at Mile 18.0 over the Niagara River. Spotters will warn of approaching vessels and move the divers to allow vessels to pass. A dive safety boat will monitor VHF-FM Marine Channel 16.

LNM: 39/16

LAKE ERIE –OH –Fairport Harbor – Chart 14837

Kokosing Industrial has established a mooring buoy to facilitate the construction on going in Fairport Harbor. The buoy is a standard white mooring buoy with a blue stripe and is 3 to 5 foot height and is marked with a Quick Flashing White Light. The buoy has been placed in the following position: 41° 45'51"N 081° 16'01"W, and will remain in place until December 2016. For further information contact Travis Lake at (231) 420-0093 or Mike Schmeltzer at (231) 420-1195.

LNM: 30/16

LAKE ERIE –OH –Willoughby – Chart 14825

Durocher Marine will be conducting repairs to dredging out fall pipe in Willoughby, OH. Operations will commence July 20th 2016 thru November 15th 2016. Hours of operation are from 0700- 1900 during normal operation and 24 hrs a day as needed. Spud barge, material barge(s), and Tug Champion will be working at the end of the Willoughby outfall pipe. Vessels may contact Tug Champion on marine VHF Channel 13, and 16. For further information contact Travis Lake at (231) 420-0093 or Mike Schmeltzer at (231) 420-1195.

LNM: 27/16

LAKE ERIE – OH - Avon Lake - Chart 14826

Geo Gradel Co. will commence dredging operations in Avon Lake, OH in the vicinity of NRG Power Station, beginning on September 26, 2016 to October 31, 2016. Hours of operation are from 0700 to 1700, Monday to Friday. Tug Mighty John III will monitor channels 19 and 16. Mariners are requested to reduce speed and use caution around dredging equipment, for further information contact David J. Fingel at 419-265-0574.

LNM: 39/16

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 – 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 – Maumee River - Chart 14846 – Dredging Operations

Luedtke Engineerng Co. will commence dredging operations in the vicinity of Maumee Bay, Toledo, OH, beginning on September 15, 2016 November 20, 2016. Hours of operation are 24 Hours 7 days a week. Tug Paul Luedtke will monitor channels 10, 19 and 16. Mariners are requested to reduce speed and use caution around dredging equipment, for further information contact Kevin Hollenbeck at 734-502-3833 or Tom Zatkovic at 517-575-7022.

LNM: 37/16

LAKE ERIE – OH – Toledo Harbor – Chart 14847 – Bridge Maintenance

From September 6 through November 5, 2016 spider scaffolding will be installed on the Veterans Glass Memorial I-280 Bridge at Mile 3.25 over the Maumee River that will not extend below low steel.

LNM: 35/16

LAKE ERIE –OH – Toledo Harbor – Chart 14847 – Bridge Maintenance

From October 10, 2016 through November 1, 2017 scaffolding that hangs approximately 3 feet below low steel will be installed under the Anthony Wayne Bridge at Mile 5.16 over the Maumee River except for the center 200 foot navigation channel will be clear of any scaffolding or equipment. From January 9, 2016 through March 24, 2017 additional scaffolding that hangs approximately 3 feet below low steel will be placed in the center 200 foot of the channel. From October 10, 2016 through October 31, 2016 and again from October 9, 2017 through October 31, 2016 mariners are required to provide a 2-hour advance notice of arrival during the installation and removal of the scaffolding directly to the drawtender of the Craig Memorial Bridge on VHF-FM Marine Radio Channel 16 or by calling: 419-409-0404.

LNM: 40/16

LAKE ERIE – OH – Lorain Harbor – Chart 14841 – Bridge Maintenance

From May 2 through November 5, 2016 a 120 foot by 30 foot barge will be working at the 21st Street Bridge at Mile 2.0 over the Black River. The barge will move to allow vessels to pass with a 1 hour advance notice. Mariners should provide advance notice directly to the barge on VHF-FM Marine channel 16 or by calling: 614-679-2564.

LNM: 36-16

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

Due to mechanical discrepancies the Willow Avenue Bridge at Mile 1.02 over the Old River Channel of the Cuyahoga River will be secured to recreational vessels except the bridge will open and remain open from 1900 to 0100, Monday through Friday. On weekends and federal holidays the bridge will open for recreational vessels and remain open from 1000 to 1400 and from 1700 to 0200. Commercial vessels are requested to provide at least 2-hours advance notice of arrival by contacting the Carter Road Bridge Operator on VHF-FM Channel 16 or by calling (216) 664-4767. The Bridge Operator is requested to announce the estimated arrival time and bridge opening on VHF-FM Channel 16 as general marine information. Signs shall be posted on the upriver and downriver sides advertising the bridge schedule for boaters. Mariners are urged to use caution and avoid congregating on both sides of the drawbridge awaiting scheduled openings.

LNM: 38/16

LAKE ERIE – OH – Cleveland Harbor – Chart 14839 – Bridge Maintenance

From January 25, 2017 through February 19, 2017 the River Terminal Railroad Bridge at Mile 5.42 over the Cuyahoga River will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 31/16

DETROIT RIVER – MI –Detroit River– Chart 14848

E. C. Korneffel Co. will be conducting shoal installation operations in the Detroit River between Grosse Ise and Stony Island. Operations will commence July 1st, 2016 thru December 31st, 2017 from 7:00 A.M. to 7:00 P.M. Monday through Saturday. Vessels may contact CAPTAIN DAVE on marine VHF Channel 16 or 13. For further information contact Mr. Bruce Kresslein at (734-676-2131.

LNM: 26/16

DETROIT RIVER –MI – River Rouge – Chart 14848 – Bridge Maintenance

From October 24 through October 28, 2016 between the hours of 0700 and 1500 the Conrail Bridge at Mile 1.48 over the River Rouge will require a 4 hour advance notice for openings. Vessels should provide advance notice by calling: 313-297-5425.

LNM: 39/16

LAKE HURON – MI – Alpena Harbor – Chart 14864 – Bridge Maintenance

From October 11, 2016 through June 10, 2017 the Second Avenue Highway Bridge at Mile 0.4 over the Thunder Bay River at Alpena, MI will be rehabilitated. From October 11 through November 8, 2016 the bridge will require a 12-hour advance notice for openings. Mariners should provide advance notice by calling 989-464-3416. From November 9, 2016 through June 10, 2017 the bridge will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time. From April 15, 2017 through June 10, 2017 scaffolding that extends approximately 3 feet below low steel will be installed under the bridge. Steady burning amber lights will be displayed on the bottom and four corners of the scaffolding. Periodically during this project a barge will be used at the bridge.

LNM: 23/16

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

From November 14, 2016 through January 2, 2017 the State Street Bridge at Mile 0.92 over the Michigan Inland Route at Cheboygan will require a 12 hour advance notice for openings. Mariners should provide advance notice by calling: 231-627-9414 or 231-238-7775 or 800-577-1911 or 231-627-4312. From January 2 through March 31, 2017 the bridge 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: 41/16

LAKE HURON – MI – Straits of Mackinaw – Chart 14881

Kokosing Industrial, Inc- Durocher Marine Division will be installing Pipe Anchors for Enbridge Crossing Pipe. Kokosing-I barge will be working off an anchor spread with the Tug Champion as a platform for dive operations by Ballard Marine. Diving operations will install pipe anchors on the Enbridge pipeline at various locations across the line. Pleasure craft and passing vessels should remain a safe distance from the working areas of 1500+ feet. Operations will commence August 29th, 2016 through October 30th, 2016 hours of operation are 0700-1900, 24 hour operation possible if needed, seven days a week. Vessels may contact Tug Champion on marine VHF-FM Channel 13 or 16. For further information contact Mr. Lee Barnhill at (989) 464-6009.

LNM: 35/16

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

The Coast Guard has received a report that the Ohio Street Bridge at Mile 2.09 (CORPS MILE 326.0) over the North Branch of the Chicago River is stuck in the closed to navigation position due to an electrical failure. Estimated time of repair is October 31, 2016.

LNM: 41/16

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

From October 23, 2015 through May 22, 2017 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.

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

LNM: 35/16

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

The Coast Guard has received a report that the dolphins near the location of the former Polk Street Bridge at Mile 2.16 over the South Branch of the Chicago River and the former Erie Street Bridge at Mile 2.21 over the North Branch of the Chicago River are a hazard to navigation.

LNM: 21/16

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, a 120 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: 35/16

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, obstructed, missing, or lights that are extinguished:
Columbus Drive Bridge at Mile 0.67
Michigan Avenue Bridge at Mile 0.85
Grand Avenue Bridge at Mile 2.00
Chicago Avenue Bridge at Mile 2.40
North Halstead Street Bridge at Mile 2.65

LNM: 33/16

LAKE MICHIGAN –IL – Chicago River – Chart 14928 – Bridge Maintenance

From December 5, 2016 through March 31, 2017 one leaf of the Michigan Avenue Bridge at Mile 0.85 (CORPS MILE 326.3) over the Main Branch of the Chicago River will be secured to masted navigation and will have scaffolding that hangs approximately 1 foot below low steel. The other bridge leaf will operate normally and be free of any scaffolding.

LNM: 40/16

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

From October 25 through November 11, 2016, between the hours of 0700 and 1530 Monday through Friday a 120 foot by 40 foot barge will be working under the LaSalle Street Bridge at Mile 1.29 (CORPS MILE 325.9) over the Main Branch of the Chicago River. The Barge will monitor VHF-FM Marine Channel 16 and will move to accommodate vessels if a 30 minute advance notice is provided.

LNM: 43/16

LAKE MICHIGAN – MI – Manistique – Chart 14908

The Great Lakes Dock &Materials, L.L.C. will be conducting dredging operations in the vicinity of Manistique, MI. Operations will commence October 15th, 2016 through November 30st, 2016 hours of operation are 24 hours a day, seven days a week. Vessels may contact Tug defiance and Barge Wisconsin on marine VHF-FM Channel 16 or 18. For further information contact Mr. Joseph Bailey at (231) 755-2225 (Office) or (231) 206-1379 (Cell).

LNM: 41/16

LAKE MICHIGAN – WI – Green Bay – Chart 14910

The Luedtke Engineering Co will be conducting dredging operations in the vicinity of Green Bay, WI. Operations will commence September 20th, 2016 through December 31st, 2016 hours of operation are 24 hours a day, seven days a week. Vessels may contact Tug Kurt Luedtke on marine VHF-FM Channel 10, 16 or 19. For further information contact Mr. Aaron Wills at (231) 871-0062 or Mr. Craig Argue(231) 740-1253.

Chart 14910 LNM: 36/16

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

From November 20, 2016 through April 15, 2017 all city of Milwaukee operated bridges will require a 12 hour advance notice for openings. Mariners should provide advance notice to the Lead Bridge Operator on VHF-FM Marine Channel 16 or by calling: 414-286-2575.

LNM: 38/16

LAKE MICHIGAN –WI – Milwaukee Harbor – Chart 14924 – Bridge Discrepancy

The Coast Guard has received a report that one leaf of the South First Street Bridge at Mile 1.78 over the Kinnickinnic River is stuck in the down position. The bridge is able to operate the other leaf.

LNM: 38/16

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

From November 20, 2016 through April 15, 2017 the Canadian Pacific Railroad Bridges at Mile 1.05 over the Menomonee River and Mile 1.67 over the Burnham Canal will require a 12 hour advance notice for openings. Mariners should provide advance notice directly to the drawtender by calling: 414-389-3772 or 414-207-2779 or 414-389-3763.

LNM: 39/16

LAKE MICHIGAN – WI – Milwaukee Harbor – Chart 14924 – Bridge Maintenance

LAKE MICHIGAN – WI – Milwaukee Harbor – Chart 14924 – Bridge Maintenance

From October 25 through December 16, 2016 one leaf of the Water Street Bridge at Mile 0.94 over the Milwaukee River will be secured to masted navigation. Monday through Friday between the hours of 0700 and 1900 a barge will be working under the secured leaf. During non-working hours the barge will be lighted and moored outside of the navigation channel.

LNM: 40/16

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 – IN – Indiana Harbor Canal– Chart 14927 – Bridge Maintenance

On November 6, November 7, November 13, and November 14, 2016 between the hours of 0700 and 1900 each day, the Conrail Railroad Bridge at Mile 0.71 over the Indiana Harbor Canal will require a 2 hour advance notice for openings. Mariners should provide advance notice directly to the drawtender on VHF-FM Marine Channel 16 or by calling: 219-787-7725.

LNM: 43/16

LAKE MICHIGAN – IN – Indiana Harbor Canal– Chart 14927 – Bridge Inspection

From November 7 through November 14, 2016 between the hours of 0800 and 1800 daily the Indianapolis Boulevard Bridge at Mile 2.59 over the Indiana Harbor Canal will require a 15 minute advance notice for openings. Mariners should provide advance notice directly to the drawtender on VHF-FM Marine Channel 16.

LNM: 43/16

LAKE MICHIGAN –IN –Michigan City– Chart 14926

Great Lakes Dock & Materials, L.L.C., will be Extending the West Intake in Lake Michigan outside of Michigan City, IN. Operations will commence June 1st 2016 thru November 30th 2016. Hours of operation are 24 hrs a day. Tugs will be entering and exiting the harbor daily. Tugs will be working and anchoring in Lake Michigan as well as anchoring in the harbor. Mariners should use extreme caution when transiting the area and stay clear of the Operations. Vessels may contact Tug Hannah Avery, Tug Meredith Ashton and Tug Fischer Hayden on marine VHF Channel 16, and 07. For further information contact Joseph Bailey at (231) 755-2225 or at (231) 206-1379.

Chart 14926 LNM: 28/16

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

From March 28 through November 11, 2016 scaffolding will be installed under one half of the Chatham Street Bridge at Mile 14.77 over the Calumet-SAG Channel that extends approximately 4 feet below low steel. The scaffolding will be on the same side of the river as the scaffolding on the Division Street Bridge allowing vessels to pass through both bridges without major course changes. A 60 foot by 40 foot barge may be used under the scaffolding. The barge may be contacted on VHF-FM Marine Radio Channel 16.

LNM: 13/16

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

The Coast Guard has received a report that the lights on the Chatham Street Bridge at Mile 14.77 (CORPS MILE 318.3) over the Calumet-SAG Channel are extinguished.

LNM: 39/16

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

From August 25 through December 30, 2016 between the hours of 0700 and 1500, Monday through Friday a 100 foot by 35 foot barge under the Indiana Avenue Bridge at Mile 10.80 (CORPS MILE 322.3) over the Little Calumet River. The barge will move with a 30 minute advance notice. Mariners should provide advance notice directly to the barge on VHF-FM Marine Radio Channel 16.

LNM: 40/16

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

From August 22, 2016 through December 9, 2016 scaffolding that extends approximately 2 feet below low steel will be installed under the South Hallstead Street Bridge at Mile 13.00 (CORPS MILE 320.1) over the Little Calumet River.

LNM: 33/16

LAKE MICHIGAN – IL – Calumet River – Chart 14928 – Bridge Maintenance

From August 3 through November 18, 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 2 hour advance notice for openings. Mariners should provide advance notice directly to the drawtender on VHF-FM Marine Channel 16 or by calling: 312-747-0014 or 312-747-2470. A 20 foot long pontoon boat will be working under the bridge. The pontoon boat will move to allow vessels to pass.

LNM: 32/16

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

From 2200 on October 29 through 0700 on October 30, 2016 the Norfolk Southern Railroad Bridge at Mile 1.36 over the Calumet River will require a 3 hour advance notice for openings. Mariners should provide advance notice directly to the drawtender on VHF-FM Marine Channel 16 or by calling: 219-473-7044.

LNM: 42/16

LAKE MICHIGAN – IL – Calumet River – Chart 14928 - Bridge Discrepancy

The Coast Guard has received a report that the lights on the Cicero Avenue Bridge at Mile 18.08 (CORPS MILE 314.9) and the Northern Illinois Toll Highway Bridges (I-294) at Mile 17.35 (CORPS MILE 315.6) over the Calumet-SAG Channel are extinguished.

LNM: 38/16

LAKE MICHIGAN – WI – Lower Fox River – Chart 14918 – Bridge Maintenance

From July 15, 2016 through May 15, 2017 from 0630 to 1600 Monday through Friday two 40 foot by 40 foot barges will be working at the Walnut Street Bridge at Mile 1.81 and the Tilleman Memorial Bridge at Mile 2.27 both over the Fox River at Green Bay, WI. The barges will move to allow vessels to pass. The barges may be contacted on VHF-FM Marine Channel 16 or by calling: 262-422-4741 or 262-366-9558. From January 15, 2017 through March 31, 2017 both bridges will be secured to masted navigation. Vessels able to pass under the bridges without an opening may do so at any time.

LNM: 29/16

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 Mortts 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 – WI – Fox River - Chart 14916 – Dredging

Ongoing Dredging operations on the Fox River will continue until Sunday, November 13, 2016. Dredges Mark Anthony, Ottawa River, and Ashtabula will monitor Ch 16 and work in the area immediately north of the highway 172 bridge to the area south of the interstate 43 bridge. All operations will take pale Monday thru Saturday 24 hours a day. Operations will cease for the winter months beginning November 13, 2016 or until freeze up. Pipelines may be floating or submerged and will be marked with appropriate buoys. All mariners are requested to transit the area with caution at a slow, no wake speed and to pay particular attention to buoys and additional signage. For further information contact Sector Lake Michigan at 414-747-7182 or via Ch 16.

LNM: 42/16

LAKE MICHIGAN – IN - Indiana Harbor - Chart 14926

Durocher Marine will commence dredging operations in Indiana Harbor and Canals, East Chicago, in the vicinity of the Turning Basin and Main Channel, beginning on September 13, 2016 to November 01, 2016. Hours of operation are 24 hours/7 days. Tug Valerie and Barge Kkosing 2 will monitor channels 18 and 16. Mariners are requested to reduce speed and use caution around dredging equipment, for further information contact Mike Schmeltzer at 231-627-5633 or 231-420-1195.

LNM: 39/16

LAKE MICHIGAN – MI – St Joseph and Benton Harbor– Chart 14930 – Bridge Winter Hours

From December 16, 2016 to February 28, 2017 the CSX Railroad Bridge at Mile 0.67 over the St Joseph River will require a 12-hour advance notice of arrival. Mariners should provide advance notice by calling: 616-246-5600 or 616-246-5675.

LNM: 42/16

LAKE MICHIGAN – MI – Grand Haven – Chart 14933

The King Company INC, will be conducting construction operations on Grand Haven South Pier. Operations will commence August 29th, 2016 throught December 1st, 2016 hours of operation are 0600-2000, seven days a week. Vessels may contact Crane Barge HJLIII on marine VHF-FM Channel 73 or 16. For further information contact Mr. Dave Herweyer at (616) 399-1784 or (616) 836-6551.

LNM: 35/16

LAKE MICHIGAN – MI – South Haven – Chart 14906 - Bridge Maintenance

From October 3, 2016 through June 30, 2017 four 62 foot by 51 foot barges will be working under the Blue Star Memorial Highway at mile 2.2 over the Black River at South Haven, MI. A 20 foot wide channel will be maintained for vessels to pass under the bridge.

LNM: 37/16

LAKE SUPERIOR – MI – St. Marys River – Chart 14884

Roen Salvage Company will commence repairs of the West Center Pier extending 300' W. of Railroad Bridge. Two 50' barges will be moored at the pier 24 hours per day. All fenders will be removed, divers will be working at the pier, avoid use of side thrusters. Coordinate movement with Soo Locks lockmaster. Work will continue into December 2016 as weather permits, then resume in April 2017. Tug Stephen M. Asher and Tug Charles Asher will monitor channels 7 and 14 (Soo Locks). For further information contact Don Sarter at 920-493-5322

LNM: 42/16

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.

LNM: 43/15

LAKE SUPERIOR –MI –Little Girls Point – Chart 14966

Three large concrete erosion control structures have been reported dislodged due to flooding at Omans Creek Boat Launch on Little Girls Point, Michigan of Lake Superior. One structure is reported 10 yards from the shoreline and location of the other two is unknown. Mariners are advised to keep a close lookout and travel at slow speed.

LNM: 30/16

LAKE SUPERIOR – MI – Keweenaw Waterway – Chart 14973 – Bridge Regulation

The Coast Guard has published a Final Rule in the Federal Register (81 FR 66810) changing the operation of the US41 Bridge. Effective October 31, 2016 the draw of the US41 Bridge at mile 16.0 over the Keweenaw Waterway between Houghton and Hancock, shall open on signal; except that from April 15 through December 14, between midnight and 4 a.m., the draw shall be placed in the intermediate position and open on signal if at least 2 hours notice is given. From December 15 through April 14 the draw shall open on signal if at least 12 hours notice is given. To view all documents and comments associated with this rule making go to http://www.regulations.gov, type "USCG-2016-0582" in the "SEARCH" box and click "SEARCH." Click on Open Docket Folder on the line associated with this rulemaking. If you have questions on this rule, call or email Mr. Lee D. Soule, Bridge Management Specialist, Ninth Coast Guard District; telephone 216-902-6085, email Lee.D.Soule@uscg.mil.

LNM: 40/16

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

From January 22 through March 5, 2018 the Duluth Ship Canal Bridge at Mile 0.25 over the Duluth 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: 40/16

LAKE SUPERIOR - MN – Duluth-Superior Harbor - Chart 14975

Roen Salvage Company will commence dredging operations in the vicinity of Duluth-Superior Harbor MN, beginning on June 25, 2016 October 31, 2016. Hours of operation are 24 Hours 7 days a week. Derrick 73 will monitor channels 7 and 16. The pipeline will be marked with brightly colored buoys. Placement are will NOT be enclosed by a turbidity barrier. Mariners should use extreme caution when transiting the area and stay clear of the operations, for further information contact Barry Kuzay at (920)743-6533.

LNM: 34/16

LAKE SUPERIOR –MN –Duluth Superior Harbor – Chart 14975

ROEN SALVAGE Co. will be conducting dredging operations in Duluth-Superior Harbor, WI. Operations will commence July 25th 2016 thru October 31st 2016. Hours of operation are 24 hours a day. Vessels may contact Tug John R. Asher or Tug Chas Asher on marine VHF Channel 07, and 16. For further information contact Barry Kuzay at (920) 743-6533.

LNM: 31/16

LAKE SUPERIOR –MN –Duluth Superior Harbor – Chart 14975

Marine Tech, will be dredging in various locations throughout the harbor. Operations will commence July 18th 2016 thru November 15th 2016. Hours of operation are 24 hrs a day Monday to Friday. Mariners should use extreme caution when transiting the area and stay clear of the Operations. Vessels may contact Tug Callie M or Tug Miss Laura on marine VHF Channel 16, and 13. For further information contact Nick Patterson at (281) 720-2833 ext 203..

LNM: 30/16

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

From February 1 through May 12, 2017 the Minnesota Slip Bridge at the mouth of the Minnesota Slip will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 40/16

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	
3840	FAIRPORT HARBOR BREAKWATER LIGHT A	41-45-57.624N 081-16-00.198W *	Fl Y 2.5s	27 8	4	NY on post.		43/16
3845	FAIRPORT HARBOR BREAKWATER LIGHT B	41-46-00.102N 081-15-43.278W *	Fl Y 2.5s	27 8	4	NY on post.		43/16

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
8415	LAKE ST. CLAIR LIGHT 1	42-22-01.065N 082-53-59.103W	Q G	37 11	5	SG on post.		43/16

*

ENCLOSURES

(1) Summary of Dredging

43-16 Summary Of Dredging.pdf
Construction Operations in Effect

LNM: 14/14

(2) GREAT LAKES - General - Marine Events

PASSAGE THROUGH MACARTHUR LOCK.pdf 2016-BRL-NOTICEtoNav-Schedule-Page.pdf 43-16 Marine Events.pdf
Summary of Marine Events

LNM: 14/14

(3) WATERWAYS ANALYSIS AND MANAGEMENT SURVEY

WAMS Doc.pdf AIS ATON Announcement II.pdf
Great Lakes WAMS Questionaire

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.

LOCATION	LNM	SUBJECT	HOURS / DAYS	UNTIL
NEW YORK STATE BARGE CANAL				
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
LAKE ONTARIO				
Braddock Bay, NY	35/16	CONSTRUCTION/DREDGING	0700-1900 / 6 DAYS	01 Aug 16 – 31 Dec 16
LAKE ERIE				
Cleveland, OH	05/13	CONSTRUCTION	24 HRS / 7 DAYS	29 Jan 13 – TBD
Fairport, OH	15/16	CONSTRUCTION	0600-2200 HRS / 7 DAYS	15 Apr 16 – 19 Dec 16
Willoughby, OH	28/16	CONSTRUCTION	0700-1900 / 7 DAYS	20 Jul 16 - 15 Nov 16
Maumee River, OH	37/16	DREDGING OPERATIONS	24 HRS / 7 DAYS	15 Sep 16 - 20 Nov 16
Avon Lake, OH	39/16	DREDGING OPERATIONS	0700-1700/ 5 DAYS	26 Sep 16 – 31 Oct 16
DETROIT RIVER				
Detroit, MI	33/14	CONSTRUCTION	24 HRS/ 7 DAYS	11 Aug 14- TBD
Grosse Isle, MI	26/16	SHOAL ISTALLATION	24 HRS / 7 DAYS	01 Jul 16 – 31 Dec 17
LAKE ST. CLAIR				
None Reported				
LAKE HURON				
None Reported				
STRAITS OF MACKINAC				
Straits of Mackinaw, MI	35/16	CONSTRUCTION	0700-1900/ 7 DAYS	29 AUG 16 – 30 OCT 15
ST MARYS RIVER				
Sault Se Marie, MI	42/16	CONSTRUCTION	24 HRS / 7 DAYS	18 Oct 16 – 13 May 17

ENCL (1)
LNM: 42/16
18 Oct 2016

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.

LOCATION	LNM	SUBJECT	HOURS / DAYS	UNTIL
LAKE SUPERIOR				
Portage Lake, MI	31/13	SEDIMENT REMEDIATION	24 HRS / 7 DAYS	01 Sep 13 – TBD
Ashland, WI	20/16	CONSTRUCTION	0600-1800 HRS / M-S	11 May 16 – 30 Nov 16
Duluth-Superior, MN	30/16	DREDGING OPERATIONS	24HRS/ M-F	18 Jul 16 – 15 Nov 16
Duluth-Superior, MN	31/16	DREDGING OPERATIONS	24HRS/ M-F	25 Jul 16 – 31 Oct 16
Duluth-Superior, MN	35/16	DREDGING OPERATIONS	24HRS/ 7 DAYS	25 Jul 16 – 31 Oct 16
LAKE MICHIGAN				
Green Bay, WI	20/16	DREDGING OPERATIONS	0700-1900 HRS / M-F	28 Mar 16 - 13 Nov 16
Michigan City, IN	28/16	CONSTRUCTION	24 HRS/ 7 DAYS	01 Jun 16- 30 Nov 16
Grand Haven, MI	35/16	CONSTRUCTION	0600-2000/ 7 DAYS	29 Aug 16 - 01 Dec 16
Green Bay, WI	36/16	DREDGING OPERATIONS	24 HRS /7 DAYS	20 Sep 16 - 31 Dec 16
East Chicago IN	39/16	DREDGING OPERATIONS	24 HRS/7 DAYS	13 Sep 16 – 01 Nov 16
Manistique, MI	41/16	DREDGING OPERATIONS	24 HRS/ 7 DAYS	15 Oct 16- 30 Nov 16

GREAT LAKES - GENERAL – MARINE EVENTS – SAFETY ZONES – SECURITY ZONES
Events listed below are those events that may have accompanying special local regulations.

Location	LNM	EVENTS	Dates	Time (Local)	POC or Sponsor	Number
LAKE ONTARIO						
None Reported						
LAKE ERIE						
Cleveland, OH	19/16	Edgewater Yacht Club 2016 Race Program	10 May 16 – 30 Oct 16		Sector Buffalo	716-843-9322
DETROIT RIVER, LAKE ST CLAIR AND ST CLAIR RIVER						
St. Clair Shores, MI	39/16	GLYC Fall Series	02 Oct 16 – 29 Oct 16 (Sundays)	0900-1700	Sector Detroit	313-568-9580
LAKE HURON						
None Reported						
LAKE SUPERIOR						
None Reported						
ST. MARYS RIVER						
None Reported						
STRAITS OF MACKINAC						
None Reported						
LAKE MICHIGAN						
Chicago, IL	42/16	Navy Pier Fireworks	27 Oct 16	2115-2200	Sector Lake Michigan	630-986-2155

NOTICE TO NAVIGATION INTERESTS

US Army Corps of Engineers®
DETROIT DISTRICT

ATTN: CELRE-DE
477 MICHIGAN AVENUE
DETROIT MI 48226-2575
HTTP://WWW.LRE.USACE.ARMY.MIL/

DATE: 04/28/2016

POC: Technical Services Branch
313-226-2384

NOTICE NUMBER: 6274
LOCAL NUMBER: L16-11
WATERWAY: ST. MARYS RIVER

EFFECTIVE: 04/28/2016 14:20 thru Until Further Notice EDT

RESTRICTED VESSEL PASSAGE THROUGH THE MACARTHUR LOCK ST MARYS FALLS CANAL

The following restrictions will be implemented at the MacArthur Lock further notice. These restrictions are required due to embedded gate anchorage concerns on gates 2 and 5. The Mac Arthur Lock will be operated using both upper and lower intermediate gates (gates 3 and 4)

Special Procedures for transiting of the MacArthur Lock by vessels not exceeding 730 feet in length when Gate 5 is out of service.

Upbound Vessels:

Vessels with friction winches and no bow overhang:

Maximum Vessel Length = 730 feet

For vessels 730 feet in length, Boom #8 (the chamber boom) will remain in the raised position while Gate #4 (the lower intermediate gate) is closed. This will allow 15.5 feet of clearance between the vessel and the upper intermediate gate sill and 25 feet of clearance between the vessel and Gate #4. At the request of the captain, vessels can be moved the last 25 feet to their final position using winch power only.

Vessels without friction winches or with bow overhang:

Maximum Vessel Length = 660 feet

For vessels 660 feet in length, Boom #8 will be lowered before Gate #4 is closed. This will provide 30 feet of clearance between the vessel and Boom #8 and 15 feet of clearance between the vessel and the upper gate sill.

Downbound Vessels:

Vessels with friction winches and no bow overhang:

Maximum Vessel Length = 730 feet

For vessels greater than 660 feet, Boom #8 will remain in the lowered position until the vessel is brought to a full stop with wheel motionless or in a zero pitch condition and the check cables out forward and aft. The vessel must be stopped when the bow of the vessel is no closer than 30 feet from the chamber boom. The chamber boom will then be raised and the vessel shall be moved forward into final position using winches only.

For vessels 730 feet in length, this will provide for 15.5 feet of clearance between the vessel and the upper gate sill and 25 feet clearance between the vessel and Gate #4.

Vessels without friction winches or with bow overhang:

Maximum Vessel Length = 660 feet

For vessels 660 feet in length, Boom #8 will remain lowered. This will provide for 30 feet of clearance between the vessel and Boom #8, and will provide 15 feet of clearance between the vessel and the upper gate sill.

//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

Chart Title: ***Approaches to New York***

			CGD	
ADD	Magenta circle AIS Chart No. 1: S17.2 to ABC Channel Lighted Whistle Buoy A and		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

Chart Title: ***Entrance to San Francisco Bay***

			CGD	
ADD	Magenta circle AIS Chart No. 1: S17.2 to ABC Approach Lighted Whistle Buoy AB and		37-44-59.749N	122-41-33.940W
CHANGE	Characteristic to RW “AB” Mo (A) WHIS Racon (- -) AIS			

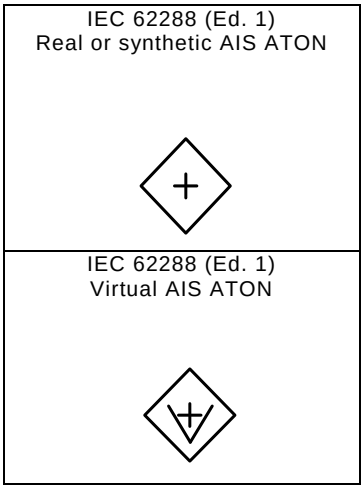
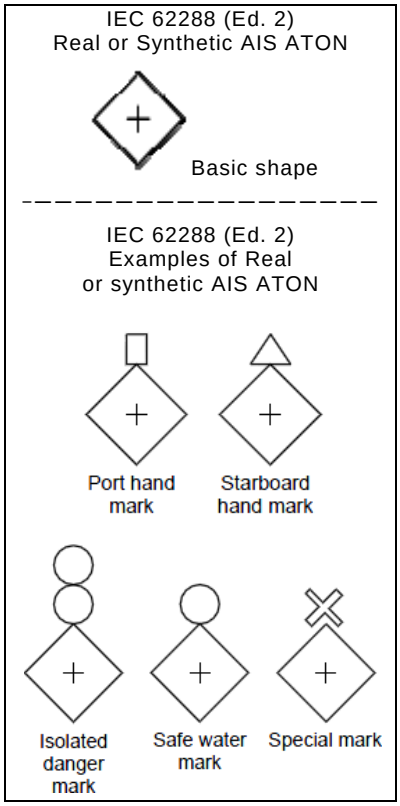
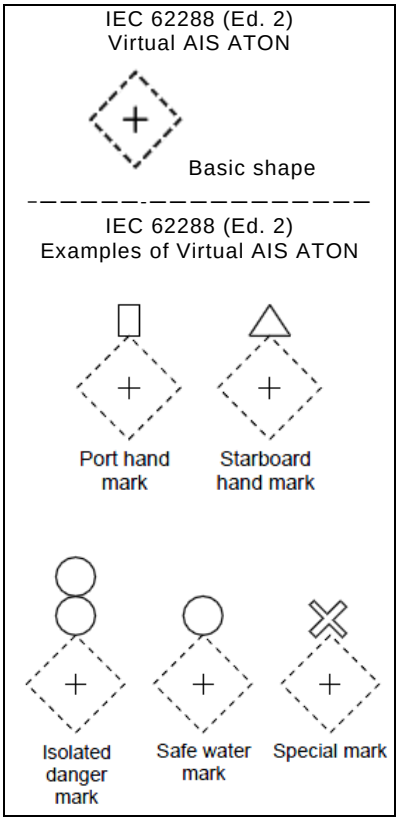
Chart Correction for *Virtual AIS ATON*

12314 33rd Ed. 01-JUNE -12 Last LNM: 51/13 NAD 83 LNM/14

Chart Title: ***Delaware River Philadelphia to Trenton***

			CGD	
ADD	ABC Railroad Bridge South Starboard V-AIS ATON Chart No. 1: S18.2	to	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	
Starboard Lateral (IALA B)	A Virtual object marking the starboard side of a channel	
Isolated Danger	A Virtual object marking an isolated danger	
Safe Water	A Virtual object marking safe water	
Special Purpose	A Virtual object used to mark an area or feature referred to in nautical documents	

AIS ATON Symbology of the International Electrotechnical Commission (IEC) and International Maritime Organization (IM0)