



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

LOCAL NOTICE TO MARINERS

District: 9

Week: 47/16

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=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 - B211-16 through B213-16

Ninth District - C207-16 through C208-16

Sector Detroit, MI - D145-16 through D146-16

Sector Lake Michigan, WI - M477-16 through M482-16

Sector Sault Ste Marie, MI - S148-16 through S151-16

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

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

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

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 November 25, 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 +12, Lake Erie +29, Lake St. Clair +29, Lake Michigan-Huron +22, Lake Superior +14.

St Lawrence River:

Above Long Sault Dam +22, Above Iroquois Dam +11, Ogdensburg +11, Alexandria Bay +12, Head of River at Cape Vincent +12.

Detroit River:

Lake Erie at Pelee Passage +29, Mouth of River at Gibraltar +30, 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 +28, Blue Water Bridge +28, Head of River at Fort Gratiot +24, Lake Huron Approach Channel +22.

St. Marys River:

Mouth of River at Detour +22, West and Middle Neebish +20, Head of Little Rapids +22, U.S. Slip +21, Above Locks +16, Head of River at Point Iroquois +14.

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 inquiries 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: 47/16

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 Illinois 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

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

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
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	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
11325	Harrisville East Breakwater Light 3	RELIGHTED	14864		45/16	47/16
14040	Sugar Island Leading Light	RELIGHTED	14883		47/16	47/16
14040	Sugar Island Leading Light	WATCHING PROPERLY	14883		47/16	47/16
17775	Grays Reef Light	WATCHING PROPERLY	14911		47/16	47/16

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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	
8695	Grosse Point Club Harbor Entrance West Light	LT EXT	14853	D179-15	42/15	
11545	Stoneport Buoy 5	MISSING	14864	S147-16	44/16	
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
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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
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	
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
21940	Menominee Pier Light 6	DISCONTINUED	14917	M115-16	44/16

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 clockw ise from 000 true. Bearings of light sectors are tow ard the light from seaw ard. The nominal range of lights is expressed in nautical miles (NM) unless otherw ise noted.

14803	28th Ed.	01-FEB-15	Last LNM: 07/15	NAD 83		47/16
<i>Chart Title: Six Miles south of Stony Point to Port Bay;North Pond;Little Sodus Bay</i>						
Main Panel 1114 SIX MILES SOUTH OF STONY POINT TO PORT BAY. Page/Side: A						
CHANGE		tabulation - Little Sodus Bay Harbor Channel Depths			NOS	076-04-59.000W
		http://ocsdta.ncd.noaa.gov/ntm/SupportImage.aspx?ItemID=269171 ;			43-32-33.000N	
		tabulation - Little Sodus Bay Harbor Channel Depths (NOS NW-25998)				

14863	32nd Ed.	01-MAR-14	Last LNM: 47/16	NAD 83		47/16
<i>Chart Title: Saginaw Bay;Port Austin Harbor;Caseville Harbor;Entrance to Au Sable River;Sebewaing Harbor;Tawas Harbor</i>						
CHART SAGINAW BAY. Page/Side: N/A						
RELOCATE		Grindstone Channel Entrance Buoy 3			CGD09	082-53-48.000W
					from 44-34-02.000N	082-53-48.000W
					to 44-03-42.000N	082-53-48.000W

14901 16th Ed. 01-JUN-16 Last LNM: 47/16 NAD 83 47/16
 ChartTitle: Lake Michigan (Mercator Projection)
 Main Panel 1361 LAKE MICHIGAN. Page/Side: A
 CHANGE St. James Light CGD09 085-30-31.010W
 to Iso R 6s 38ft 11 St M at 45-44-34.030N

14902 30th Ed. 01-JUL-16 Last LNM: 47/16 NAD 83 47/16
 ChartTitle: North end of Lake Michigan, including Green Bay
 Main Panel 1362 NORTH END OF LAKE MICHIGAN INCLUDING GREEN BAY. Page/Side: A
 CHANGE St. James Light CGD09 085-30-31.010W
 to Iso R 6s 38ft 11 St M at 45-44-34.030N

14911 22nd Ed. 01-FEB-16 Last LNM: 47/16 NAD 83 47/16
 ChartTitle: Waugoshance Point to Seul Choix Point, including Beaver Island Group;Port Inland;Beaver Harbor
 Inset 1393 ST JAMES HARBOR MICHIGAN. Page/Side: A
 CHANGE St. James Light CGD09 085-30-31.010W
 to Iso R 6s 38ft 11 St M at 45-44-34.030N
 Main Panel 1391 LK MICH WAUGOSHANCE PT-SEUL CHOIX PT. Page/Side: A
 CHANGE St. James Light CGD09 085-30-31.010W
 to Iso R 6s 38ft 11 St M at 45-44-34.030N

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 - 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 - 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 FI 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 FI 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

<u>Proposed Project(s)</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
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

LAKE MICHIGAN - Green Bay - Chart 14917

Menominee Pier Light "6" (LLNR 21940) change the characteristic to FIR 6(1) and reduce the nominal range from 12 statute miles to 10 statute miles.

LNM: 46/16

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

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

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.

LNLM: 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.

LNLM: 34/16

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

The Seasonal Irondequoit Bay Outlet Bridge located at the mouth of Irondequoit Bay will be secured to masted navigation from November 1, 2016 through March 31, 2017. Vessels able to pass under the bridge without an opening may do so at any time.

LNLM: 44/16

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.

LNLM: 16/15

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.

LNLM: 30/16

LAKE ERIE – OHI – Lorain Harbor - Chart 14841

Great Lakes Dock & Materials, L.L.C., will be conducting repairs on the Lorain Harbor Outer Breakwater. Operations will commence November 2 2016 thru January 7 2017. Hours of operation are 24 hrs a day. Tugs will be entering and exiting the harbor daily. Mariners should use extreme caution when transiting the area and stay clear of the Operations. Vessels may contact Tug Jacquelyn and Tug Duluth on marine VHF Channel 16, and 18. For further information contact Joseph Bailey at (231) 755-2225 or at (231) 206-1379.

LNLM: 45/16

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.

LNLM: 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.

LNLM: 14/15

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

From November 17 through December 1, 2016 contractors will be installing cables under the Anthony Wayne Bridge at Mile 5.16 over the Maumee River. Mariners are required to provide a 2 hour advance notice of arrival so workers can pull the cables above low steel so vessels can pass safely. Mariners should provide advance notice directly to the Craig Memorial Bridge Tender on VHF-FM Marine Channel 16 or by calling: 419-409-0404.

LNLM: 46/16

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.

LNLM: 31/16

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

From January 20 through February 17, 2017 the Willow Avenue Bridge at Mile 1.02 over the Cuyahoga River Old River Channel will be secured to masted navigation for maintenance and will not be able to open for any vessel. Vessels able to pass under the bridge without an opening may do so at any time.

LNLM: 44/16

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

The Coast Guard has received a report that the fendering system for the Union Terminal Viaduct at Mile 1.89 over the Cuyahoga River has been destroyed. There are reports of debris from the fendering system floating in the river.

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

LNM: 47/16

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

The Coast Guard has received a report that the fendering system for the Columbus Road Bridge at Mile 1.93 over the Cuyahoga River has been damaged.

LNM: 47/16

DETROIT RIVER – MI –Detroit River– Chart 14848

E. C. Korneffel Co. will be conducting shoal installation operations in the Detroit River between Grosse Ile 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 - Belle Isle - Chart 14848

Kokosing Industrial Inc will be working off spuds with a material barge placing stone for fish habits in the Detroit River near Belle Island from November 21, 2016 to December 31, 2016. Hours of operation are 7 days a week 0700-1900. Tug Champion will be standing by on channels 13 and 16. Pleasure craft and passing vessels should remain a safe distance from barges. For futher information contact Ken Smith at 231-445-2460 or Mike Schmeltzer at 231-420-1195.

LNM: 47/16

DETROIT RIVER – MI – River Rouge – Chart 14854 – Bridge Maintenance

From December 5 through December 9, 2016 between the hours of 0730 and 1730 Monday through Friday the Conrail Railroad Bridge at Mile 1.48 over the River Rouge 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: 313-297-5425.

LNM: 47/16

ST CLAIR RIVER – MI – Port Huron – Chart 14865 – Bridge Winter Hours

From November 1, 2016 through April 1, 2017 all bridges over the Black River at Port Huron Michigan will require a 12 hour advance notice. Mariners should provide advance notice to all street bridges by calling: 810-984-9730 or 810-985-8115 and for railroad bridges call: 708-332-3160 or 877-333-7989 or 248-431-0673.

LNM: 45/16

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.

LNM: 46/16

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.

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

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 December 15, 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: 46/16

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 – Menominee and Marinette Harbors – Chart 14917 – Bridge Maintenance

From January 1, 2018 through March 31, 2018 the Ogden Street Bridge at Mile 0.7 over the Menominee River will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time. Scaffolding will be installed that extends approximately 6 feet below low steel of the bridge. Steady burning amber lights will mark the bottom and four corners of the scaffolding. Two 80 foot by 50 foot or smaller barges will be working under the bridge but during nonworking hours they will be moored outside of the navigation channel and lighted.

LNM: 46/16

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

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. Scaffolding that hangs approximately 5 feet below low steel of the secured leaf will be installed from November 4 through December 16, 2016. Amber lights will mark the bottom and four corners of the scaffolding.

LNM: 45/16

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 –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 – 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 14927 – Construction

Kokosing Industrial Inc will be installing steel sheet pile walls in the Calumet River Branch IVO Buckeye Terminals Indiana Harbor from August 17, 2016 to September 1, 2017. Hours of operation will be 7 days a week 24 hours a day as needed. Tug Valarie B will be monitoring channels 13, 16, and 18. For futher information contact David Vogelheim at 231-627-5633 or Mike Schmeltzer at 231-420-1195.

LNM: 47/16

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 – 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 – Upper Fox River – Chart 14916 – Bridge Maintenance

From June 1, 2017 through September 28, 2018 scaffolding that hangs approximately 10 feet below low steel will be installed under the STH 441, Appleton Tri County Expressway at mile 28.06 over the Fox River at Appleton Wisconsin. Steady burning amber lights will warn mariners of the temporary reduction in clearance.

LNM: 45/16

LAKE MICHIGAN – WI – Upper Fox River – Chart 14916 – Bridge Special Event

The following bridges will be secured to masted navigation during the dates and times noted. Vessels able to pass under the bridges without an opening may do so at any time.

Oshkosh Marathon on April 30, 2017

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 0745 to 1230.

Race the Lake on Aug. 20, 2017.

LAKE MICHIGAN – WI – Upper Fox River – Chart 14916 – Bridge Special Event

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.

Winnebago County Triathlon on August 27, 2017
Wisconsin 116 Bridge at Mile 12 over the Wolf River at Winneconne from 0715 to 1100.

LNM: 45/16

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 through 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 – Muskegon Harbor - Chart 14934

MCM Marine, Inc. will commence dredging operations in the vicinity of Muskegon Harbor, MI, beginning on October 28, 2016 to May 1, 2017. Hours of operation are 24 hours a day, 7 days a week. Arthur J will monitor channels 79 and 16. Mariners are requested to reduce speed and use caution around dredging equipment, for further information contact Darwin J McCoy at 906-632-4316 or John Kuemin at 906-440-2570.

LNM: 44/16

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 MICHIGAN – MI – Lake Charlevoix 14942 – Chart 14886 – Bridge Maintenance

From December 22, 2016 through March 31, 2017 the (US31) Bridge Street Bridge over the Pine River just below Round Lake will be secured to masted navigation. From February 20 through March 31, 2017 scaffolding that hangs approximately 6 feet below low steel will be installed under the bridge. Two barges will also be used under the bridge. The barges will be lighted and moored outside of the navigation channel during nonworking hours unless beset by ice.

LNM: 46/16

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 – 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	
10225	Grindstone Channel Entrance Buoy 3	44-03-42.000N 082-53-48.000W				Green can.	Private Aid.	47/16
17845	St. James Light	* 45-44-34.030N 085-30-31.010W	Iso R 6s	38 12	11	Cylindrical tower. 38	Light obscured from 127°30` to 199°30` .	47/16

ENCLOSURES

(1) Summary of Dredging

[47-16 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](#) [47-16 Marine Events.pdf](#) [Bridge Winter Hours.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 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>				
Braddock Bay, NY	35/16	CONSTRUCTION/DREDGING	0700-1900 / 6 DAYS	01 Aug 16 – 31 Dec 16
<u>LAKE ERIE</u>				
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
Lorain, OH	45/16	DREDGING OPERATIONS	24 HRS / 7 DAYS	02 Nov 16 – 07 Jan 17
<u>DETROIT RIVER</u>				
Detroit, MI	33/14	CONSTRUCTION	24 HRS / 7 DAYS	11 Aug 14- TBD
Grosse Isle, MI	26/16	SHOAL INSTALLATION	24 HRS / 7 DAYS	01 Jul 16 – 31 Dec 17
<u>LAKE ST. CLAIR</u>				
None Reported				
<u>LAKE HURON</u>				
None Reported				
<u>STRAITS OF MACKINAC</u>				
None Reported				
<u>ST MARYS RIVER</u>				
Sault Se Marie, MI	42/16	CONSTRUCTION	24 HRS / 7 DAYS	18 Oct 16 – 13 May 17
<u>LAKE SUPERIOR</u>				
Portage Lake, MI	31/13	SEDIMENT REMEDIATION	24 HRS / 7 DAYS	01 Sep 13 – TBD

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>
Ashland, WI	20/16	CONSTRUCTION	0600-1800 HRS / M-S	11 May 16 – 30 Nov 16
<u>LAKE MICHIGAN</u>				
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
Manistique, MI	41/16	DREDGING OPERATIONS	24 HRS/ 7 DAYS	15 Oct 16- 30 Nov 16
Muskegon, MI	44/16	DREDGING OPERATIONS	24 HRS/ 7 DAYS	28 Oct 16- 01 May 17
Calumet River, MI	47/16	CONSTRUCTION	24 HRS/ 7 DAYS	17 Aug 17 -01 Sep 17

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

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

Location	LNМ	EVENTS	Dates	Time (Local)	POC or Sponsor	Number
<u>LAKE ONTARIO</u>						
None Reported						
<u>LAKE ERIE</u>						
None Reported						
<u>DETROIT RIVER, LAKE ST CLAIR AND ST CLAIR RIVER</u>						
None Reported						
<u>LAKE HURON</u>						
None Reported						
<u>LAKE SUPERIOR</u>						
None Reported						
<u>ST. MARYS RIVER</u>						
None Reported						
<u>STRAITS OF MACKINAC</u>						
None Reported						
<u>LAKE MICHIGAN</u>						
None Reported						



**US Army Corps
of Engineers®**

DETROIT DISTRICT

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

NOTICE TO NAVIGATION INTERESTS

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



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

Notice to Navigation Interests

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	
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 (IMO)

