



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

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## LOCAL NOTICE TO MARINERS

**District: 9**

**Week: 01/15**

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>

\*\* 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, 2014 Edition

Coast Pilot Reference: 2014 U.S. Coast Pilot 6 Great Lakes 44th 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 - B254-14 through B001-15

Ninth District - C214-14 through C003-15

Sector Detroit, MI - D279-14 through D001-15

Sector Lake Michigan, WI - M624-14 through M006-15

Sector Sault Ste Marie, MI - S151-14 through S008-15

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, mailto: [webmaster@smtp.navcen.uscg.mil](mailto:webmaster@smtp.navcen.uscg.mil), or on the internet at: <http://www.navcen.uscg.gov>

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### 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  
DBN/Dbn - Daybeacon

#### 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  
LT - Light

#### 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  
RRASS - Remote Radio Activated Sound Signal

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 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

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](http://www.iho.int)) to check the operation of their ECDIS and to determine whether their system is affected. IHO Circular Letter 33/2012 is available on the Coast Guard's Navigation Center website (<http://www.navcen.uscg.gov>) under the heading News and Notices.

LNM: 12/12

#### **RANGE STRUCTURES**

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

LNM: 04/11

#### **USACE NOTICE TO NAVIGATION INTERESTS**

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

sites:

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

LNM: 28/12

#### **SPECIAL NOTICE**

U.S. Coast Guard Navigation Rules and Regulations Handbook The U.S. Coast Guard August 2014 Navigation Rules and Regulations Handbook is now available. The Handbook replaces the current Navigation Rules, International-Inland (COMDTINST M16672.2D) instruction. See enclosure for more details.

LNM: 36/14

#### **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 (e.g., 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.

See Enclosure (4) for more details.

LNM: 04/14

#### **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

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

Corrections to U.S. Chart No. 1, Edition 12 can be found at  
[http://www.nauticalcharts.noaa.gov/mcd/chart1/US\\_ChartNo1\\_2013.10.22.pdf](http://www.nauticalcharts.noaa.gov/mcd/chart1/US_ChartNo1_2013.10.22.pdf)

LNM: 46/13

#### **Corrections to USCG Navigation and Regulations Handbook, August 2014 Edition.**

Corrections to USCG Navigation Rules and Regulations Handbook, August 2014 Edition can be found in Enclosure (4).

LNM: 46/14

#### **GREAT LAKES - Great Lakes Water Levels**

The expected water levels on the Great Lakes for January 09, 2015. 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 +14, Lake Erie +27, Lake St. Clair +29, Lake Michigan-Huron +20, Lake Superior +14.

St Lawrence River:

Above Long Sault Dam +38, Above Iroquois Dam +23, Ogdensburg +18, Alexandria Bay +15, Head of River at Cape Vincent +14.

Detroit River:

Lake Erie at Pelee Passage +27, Mouth of River at Gibraltar +28, Fort Wayne + 32, Head of River above Belle Isle +30.

St. Clair River:

Mouth of River at St. Clair Flats +29, Algonac +32, St. Clair +27, Blue Water Bridge +26, Head of River at Fort Gratiot +22, Lake Huron Approach Channel +20.

St. Marys River:

Mouth of River at Detour +20, West and Middle Neebish +24, Head of Little Rapids +24, U.S. Slip +22, Above Locks +17, 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 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: 01/15

**ILLINOIS WATERWAY - IL - Illinois River**

Mariners are urged to use extreme caution while transiting between mile marker 240-241, on the Illinois River. Multiple groundings have taken place near the right descending bank. For further details, contact USCG Sector Lake Michigan at (414) 747-7182.

LNM: 10/14

**ILLINOIS WATERWAY - IL - Illinois River**

The Coast Guard has received report of shoaling in the vicinity of the red buoy at mile marker 230.8 on the Illinois river. Mariners are urged to use extreme caution while transiting the area and stay 50 feet away from the red buoy. If you have any questions or for further details, contact Sector Lake Michigan at (414) 747-7182.

LNM: 34/14

**LAKE ERIE - OH - Toledo - Chart 14846**

The Coast Guard has received a report of a large log, 1ft in diameter, protruding out of the water near the Detroit Edison Coal docks, approx Position 41-42. 19N 083-26.94W. Mariners are requested to transit with caution through this area.

LNM: 50/14

**LAKE ERIE - OH - Toledo Harbor - Chart 14847**

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

LNM: 18/14

**LAKE ERIE - MI - Detroit River - Chart 14848**

In accordance with the provisions of UNITED STATES 33 CFR part 162.134(D) governing the connecting waters from Lake Erie to Lake Huron and the Canadian St. Clair and Detroit River navigation safety regulations paragraph 20(1) and (2) effective December 26 1930UTC, both upbound and downbound traffic will be permitted in the Livingstone channel subject to the following conditions:

1. Vessels shall not meet or pass in the Livingstone channel between Livingstone channel upper entrance light and bar point pier light D33.
2. Upbound vessels shall report to MCTS Sarnia on VHF channel 12 one hour prior to entering the normal one way portion of the Livingstone channel and again upon exiting that portion of the channel.
3. Downbound vessels shall include in their normal reports to MCTS Sarnia at the Belle Isle light Calling-in-point an ETA to entering the Livingstone channel and shall report again upon exit.
4. Downbound vessels reporting at Grassy Island light calling-in-point in advance of the Livingstone channel will normally have the right of way over upbound vessels which have not reported at the Detroit River light. However, ice and weather conditions may dictate that upbound vessels are allowed to clear the Livingstone Channel prior to downbound transits. MCTS Sarnia will prioritize traffic as necessary to resolve conflict between upbound and downbound traffic.

The Amherstburg channel remains open to Navigation but mariners are advised that Aids to Navigation remain in an unmonitored status.

LNM: 52/14

**ST. CLAIR RIVER - MI - Marysville - Chart 14852**

A wooden crib has been placed adjacent to the Blue water Aggregates facility in Marysville, MI that is protruding 08 feet into the river. All mariners are advised to use caution when transiting the area.

LNM: 38/14

**LAKE HURON- MI - Straits of Mackinac - Chart 14881**

In accordance with 33 CFR 165.901 Captain of the Port Sault Ste Marie will close the following waterways effective 1300 local January 8th 2015, the waters between St Ignace Michigan and Mackinac Island, the waters between Cheboygan Michigan and Bois Blanc Island Michigan known as south channel, and Gray's reef passage.

LNM: 01/15

**LAKE MICHIGAN - IL - Calumet River - Chart 14928**

The Coast Guard has established a Regulated Navigation Area (RNA) in response to the Thomas J. Obrien Lock closure, which will apply to unmanned dry cargo river barges and unmanned inspected river barges transiting the Chicago Lock. This RNA will be effective from November 1, 2014, through March 31, 2015. During this time increased commercial traffic will be present on the Chicago River. The details of this RNA are available for review on [www.regulations.gov](http://www.regulations.gov) under docket number USCG-2014-0592.

LNM: 46/14

**LAKE MICHIGAN – IL– Calumet River – Chart 14928**

The Thomas J. O'Brien lock on the Calumet River at mile 326.5 will be closed from November 3, 2014 at 7:00 AM until December 19, 2014 at 5:30 PM, and close again from January 19, 2015 at 7:00 AM until March 6, 2015 at 5:30 PM. Mariners are requested not to tie up along the guide walls during this period. Please contact the Thomas J. O'Brien lock and dam, Channel 16 or (773) 646-2183 for further instructions.

LNM: 44/14

**LAKE MICHIGAN - MI - Ludington Harbor - Chart 14937**

The Coast Guard has received a report that an overhead power line has been installed near the South Washington Avenue Bridge, located at the inlet on the northeast side of Pere Marquette Lake. The cable is reported to be at 43.1 feet above low water datum. Mariners are urged to keep a sharp lookout for this cable and to use caution when transiting in this vicinity. For further information contact the Sector Lake Michigan Command Center at (414) 747-7190.

LNM: 24/14

**ST MARYS RIVER – MI –Chart 14883**

In accordance with 33 CFR 162.117 VTS St. Mary's River will close Pipe Island passage to the east of Pipe Island shoal and north of Pipe Island twins. Pipe Island course will be a two way route, effective 1300 local January 8th 2015.

LNM: 01/15

**ST MARYS RIVER – MI –Chart 14883**

VTS St. Mary's River has implemented winter speed limits for the St. Mary's River. Speed limits are reduced by 2 miles per hour between Mud Lake junction and nine mile point for up bound and down bound traffic.

To keep adjacent ice fields intact, mariners transiting the St. Mary's River are asked to monitor the wake and displacement of their vessels to prevent incidental icebreaking. This is especially true in the west and middle Neebish channels, and in the vicinity of the ferries.

LNM: 01/15

**LAKE SUPERIOR - MI - Marquette And Presque Isle Harbor - Chart 14970**

Marquette Breakwater Outer Light (LLNR 14635) lantern has been replaced with a modern LED (light emitting diode) sectored lantern. Mariners are encouraged to make any comments on the new lanterns performance to: [william.d.sharp@uscg.mil](mailto:william.d.sharp@uscg.mil) or (216) 902-6070.

LNM: 35/14

**SECTION II - DISCREPANCIES**

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

**DISCREPANCIES (FEDERAL AIDS)**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
65	St. Lawrence Seaway Light 10 Sector (C)	REDUCED INT		B2484-14	51/14	
160	St. Lawrence Seaway Mooring Cells Light A	LT EXT		B242-14	51/14	
165	St. Lawrence Seaway Mooring Cells Light B	LT EXT		B243-14	51/14	
190	St. Lawrence Seaway Mooring Cells Light C	LT EXT		B244-14	51/14	
260	St. Lawrence Seaway Light 43	LT IMCH		B203-14	47/14	
275	St. Lawrence Seaway Light 46	LT EXT		B217-14	49/14	
925	St. Lawrence Seaway Lighted Buoy 130A (C)	LT EXT		B235-14	51/14	
1075	St. Lawrence Seaway Light 143 (C)	LT EXT		B234-14	51/14	
1120	St. Lawrence Seaway Light 147 (C)	LT EXT		B241-14	51/14	
1220	St. Lawrence Seaway Lighted Buoy 164	LT EXT		B247-14	51/14	

1365	St. Lawrence Seaway Light 195	LT EXT		B250-14	51/14
1370	St. Lawrence Seaway Light 197	REDUCED INT		B251-14	51/14
1400	Point Vivian Leading Light	REDUCED INT		B233-14	51/14
1445	St. Lawrence Seaway Light 210	LT IMCH		B245-14	51/14
1615	St. Lawrence Seaway Lighted Buoy 233	OFF STA		B195-14	47/14
1660	Irvine Point Range Rear Light (C)	REDUCED INT		B249-14	51/14
5530	South Bass Island Light	DAYMK MISSING	14842	D184-14	34/14
5535	Green Island Light	DAYMK MISSING	14844	D186-14	34/14
6765	Inner Light (C)	LT EXT		B240-14	51/14
8570	Lake St Clair Light 30	REDUCED INT	14850	D015-14	08/14
8580	Squirrel Island Range Front Light (C)	REDUCED INT	14850	D249-14	49/14
8585	Squirrel Island Range Rear Light (C)	REDUCED INT		D250-14	49/14
9870	Courtright Light (C)	LT EXT		D001-15	01/15
13035	Munuscong Channel (Upbound) Lighted Buoy 2	MISSING	14883	S008-15	01/15
13217	Munuscong Channel Lighted Buoy 29	MISSING	14887	S008-15	01/15
13530	West Neebish Channel (Downbound) Light 45	LT EXT	14887	S151-14	52/14
13735	West Neebish Channel (Downbound) Lighted Buoy 5	MISSING	14887	S003-15	01/15

**DISCREPANCIES (FEDERAL AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
12995	Hay Point Range Front Light (C)	WATCHING PROPERLY	14882	S162-14	47/13	01/15

**DISCREPANCIES (PRIVATE AIDS)**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
895	St. Lawrence Seaway Ice Boom Cell Light C	LT EXT	14763	B074-14	23/14	
955	St. Lawrence Seaway Ice Boom Cell Light B	LT EXT	14763	B178-14	43/14	
4035	Cleveland Intake Lighted Buoy	MISSING	14826	B230-14	50/14	

**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
2065	Oswego Harbor Detached Breakwater West End Light	DISCONTINUED	14813	B099-12	42/12	

14600 Bay Furnace Light Reduced Intensity 14969 S099-14 40/14

**TEMPORARY CHANGES CORRECTED**

LLNR Aid Name Status Chart No. BNM Ref. LNM St LNM End

None

**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						
(Temp)	ADD	NATIONAL DOCK CHANNEL BUOY 3			CGD01 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.

14912	17th Ed.	01-MAY-03	Last LNM: 43/14	NAD 83		01/15
Chart Title: Platte Bay to Leland;Leland;South Manitou Harbor						
Inset 1395 LELAND MICHIGAN. Page/Side: N/A						
CHANGE		Depth Legend - Leland Harbor; 5 1/2 FT JUN 2014 (NOS NW-24079)			NOS 45-01-30.300N	085-45-46.000W

**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 - Islands in Lake Erie - Chart 14844

Permanently discontinue the following aid to navigation:

Catawba Island Lighted Buoy "1" (LLNR 5835)

LNM: 05/14

**LAKE ERIE - Cleveland Harbor - Chart 14839**

Permanently discontinue the following aids to navigation:

Cleveland Harbor East Basin Channel Buoy "4" (LLNR 4070)  
Cleveland Harbor East Basin Channel Lighted Buoy "6" (LLNR 4090)  
Cleveland Harbor East Basin Channel Lighted Buoy "10" (LLNR 4130)

Change the name and operation of the following aids to navigation in Cleveland Harbor:

Cleveland Harbor East Basin Channel Lighted Buoy "5" (LLNR 4085) to Cleveland Harbor East Basin Channel Lighted Buoy "3" (LLNR 4085) seasonal not replaced from Apr. 14 to Dec. 1.

Cleveland Harbor East Basin Channel Lighted Buoy "8" (LLNR 4120) to Cleveland Harbor East Basin Channel Lighted Buoy "4" (LLNR 4120) seasonal not replaced from Apr. 14 to Dec. 1.

Cleveland Harbor East Basin Channel Lighted Buoy "11" (LLNR 4135) to Cleveland Harbor East Basin Channel Lighted Buoy "5" (LLNR 4135) seasonal not replaced from Apr. 14 to Dec. 1.

Cleveland Harbor East Basin Channel Lighted Buoy "12" (LLNR 4140) to Cleveland Harbor East Basin Channel Lighted Buoy "6" (LLNR 4140) seasonal not replaced from Apr. 1 to Dec. 1.

Cleveland Harbor East Basin Channel Lighted Buoy "14" (LLNR 4155) to Cleveland Harbor East Basin Channel Lighted Buoy "8" (LLNR 4155) year round lighted buoy.

LNM: 09/14

**DETROIT RIVER - Trenton Channel - Chart 14848**

Permanently discontinue the following aids to navigation:

Trenton Channel Buoy "7" (LLNR 7975)  
Trenton Channel Buoy "11" (LLNR 7990)  
Trenton Channel Buoy "12" (LLNR 7995)  
Trenton Channel Buoy "15" (LLNR 8010)  
Trenton Channel Buoy "16" (LLNR 8015)  
Trenton Channel Buoy "16A" (LLNR 8020)  
Trenton Channel Buoy "20" (LLNR 8040)  
Trenton Channel Buoy "21" (LLNR 8045)  
Trenton Channel Buoy "22" (LLNR 8050)

LNM: 05/14

**DETROIT RIVER - Trenton Channel - Chart 14848**

Change the name of the following aids to navigation:

Trenton Channel Lighted Buoy "9" (LLNR 7980) to Trenton Channel Lighted Buoy "7" (LLNR 7980)  
Trenton Channel Lighted Buoy "10" (LLNR 7985) to Trenton Channel Lighted Buoy "8" (LLNR 7985)  
Trenton Channel Lighted Buoy "13" (LLNR 8000) to Trenton Channel Lighted Buoy "9" (LLNR 8000)  
Trenton Channel Lighted Buoy "14" (LLNR 8005) to Trenton Channel Lighted Buoy "10" (LLNR 8005)  
Trenton Channel Buoy "17" (LLNR 8025) to Trenton Channel LB "11" (LLNR 8025) Move the buoy upstream 200 yards to approximate position 42-09-29 N 083-09-49W The characteristic of the light will be FL G 2.5s at 4 statute miles.  
Trenton Channel Lighted Buoy "18" (LLNR 8030) to Trenton Channel Lighted Buoy "12" (LLNR 8030)  
Trenton Channel Lighted Buoy "19" (LLNR 8035) to Trenton Channel Lighted Buoy "13" (LLNR 8035)  
Trenton Channel Lighted Buoy "23" (LLNR 8055) to Trenton Channel Lighted Buoy "15" (LLNR 8055)  
Trenton Channel Lighted Buoy "24" (LLNR 8060) to Trenton Channel Lighted Buoy "16" (LLNR 8060)  
Trenton Channel Lighted Buoy "25" (LLNR 8065) to Trenton Channel Lighted Buoy "17" (LLNR 8065)  
Trenton Channel Buoy "26" (LLNR 8070) to Trenton Channel Buoy "18" (LLNR 8070)  
Trenton Channel Lighted Buoy "28" (LLNR 8075) to Trenton Channel Lighted Buoy "20" (LLNR 8075)  
Trenton Channel Lighted Buoy "29" (LLNR 8080) to Trenton Channel Lighted Buoy "21" (LLNR 8080)  
Trenton Channel Lighted Buoy "30" (LLNR 8085) to Trenton Channel Lighted Buoy "22" (LLNR 8085)

LNM: 11/14

**ST. CLAIR RIVER - Chart 14852**

Russell Island Light "33" (LLNR 9735) change the characteristic from FG to Fl G 2.5s. Reduce the nominal range from 5 statute miles to 4 statute miles.

LNM: 39/14



**ST. CLAIR RIVER - Chart 14852**

Grande Pointe Light "23" (LLNR 9690) change the characteristic of the light from FG to Fl G 6s.

LNM: 40/14

**LAKE HURON - Port Huron to Pte Barques - Chart 14862**

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

LNM: 12/14

**LAKE MICHIGAN - Algoma to Sheboygan - Chart 14903**

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

LNM: 27/14

**LAKE MICHIGAN - St. Joseph and Benton Harbor - Chart 14930**

St. Joseph North Pierhead Light (LLNR 19515) permanently discontinue the fog signal.

LNM: 04/14

**LAKE MICHIGAN - 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 - Stony Lake to Point Betsie - Chart 14907**

Big Sable Light (LLNR 18525) reduce the range of the light from 15 statute miles to 9 statute miles.

LNM: 43/13

**LAKE MICHIGAN - Waugoshance Point to Seul Choix Point - Chart 14911**

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

LNM: 22/13

**ST. MARYS RIVER - DE TOUR PASSAGE TO MUNUSCONG LAKE - CHART 14882**

Pipe Island Shoal Lighted Buoy "1" (LLNR 12865) change the buoy from a year round lighted buoy to a seasonal lighted buoy marked with a can buoy from December 7 to May 1.

LNM: 48/14

**LAKE SUPERIOR - Duluth Superior Harbor - Chart 14975**

Duluth Harbor South Breakwater Outer Light (LLNR 15845) reduce the range from 18 statute miles to 15 statute miles.  
Duluth Harbor North Pier Light (LLNR 15855) reduce the range of the light from 16 statute to 12 statute miles.

LNM: 37/13

**Lake Superior - Keweenaw waterway - Chart 14972**

Change the seasonal decommissioning date of the following buoys from 15 November to 07 November:

- Keweenaw Waterway Buoy "24" (LLNR 14875)
- Keweenaw Waterway Buoy "30A" (LLNR 14937)
- Keweenaw Waterway Buoy "33" (LLNR 14950)
- Keweenaw Waterway Buoy "34" (LLNR 14955)
- Keweenaw waterway Buoy "40" (LLNR 14985)
- Keweenaw Waterway Buoy "44" (LLNR 15000)
- Keweenaw Waterway Buoy "46" (LLNR 15005)
- Keweenaw Waterway Buoy "52" (LLNR 15035)
- Keweenaw Waterway Buoy "54" (LLNR 15050)
- Keweenaw Waterway Buoy "56" (LLNR 15060)
- Keweenaw Waterway Buoy "57" (LLNR 15065)
- Keweenaw Waterway Buoy "59" (LLNR 15070)
- Keweenaw Waterway Buoy "60" (LLNR 15075)
- Keweenaw Waterway Buoy "63" (LLNR 15090)

LNM: 32/14

**LAKE SUPERIOR - Keweenaw Waterway - Chart 14972**

Permanently discontinue the following aid to navigation:

Keweenaw Waterway Buoy "26" (LLNR 14885)

LNM: 10/14

**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**

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

**Proposed Change Notice(s)**

**Lake Ontario - Lower Niagara River - Chart 14816**

Remove the sound signal from the following aid to navigation:  
Fort Niagara Lighted Bell Buoy "3" (LLNR 2495)

LNM: 46/14

**Lake Erie - Sandusky Harbor - Chart 14845**

Sandusky Turning Basin Buoy "25" (LLNR 4700) permanently discontinue the buoy.

LNM: 38/14

**Lake Erie - Buffalo Harbor - Chart 14833**

Remove the sound signal from the following aid to navigation:

Buffalo Harbor North Entrance Channel Lighted Bell Buoy "1" (LLNR 2690)

LNM: 46/14

**Lake Erie - Erie Harbor - Chart 14835**

Remove the sound signal from the following aid to navigation:

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

LNM: 46/14

**Lake Erie - Sandusky Harbor - Chart 14845**

Remove the sound signal from the following aid to navigation:

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

LNM: 46/14

**Lake Erie - Islands in Lake Erie - Chart 14884**

Remove the sound signal from the following aids to navigation:

Middle Bass Island East Shoal Lighted Bell Buoy "1" (LLNR 5615)  
North Bass Lighted Bell Buoy "1" (LLNR 5635)

LNM: 46/14

**Detroit River - Chart 14848**

Remove the sound signal from the following aid to navigation:

West Outer Channel Lighted Bell Buoy "1W" (LLNR 7365)

LNM: 46/14

**St. CLAIR RIVER - Chart 14852**

Stag island Middle Light (LLNR 9925) permanently discontinue the light and daymark.

LNM: 01/15

**LAKE HURON - Saginaw Bay - Chart 14863**

Tawas Light (LLNR 11240) Discontinue the light at the lighthouse and move it to Tawas Point where the fog signal is located in approximate position 44-14.9040N / 083-27.5477W. Change the characteristic Oc W 4s (R sector) to FI W 6(1). Eliminate the red sector. The range would

remain 12 statute miles.

LNLM: 44/13

**Lake Huron - Saginaw Bay – Chart 14863**

Remove the sound signal from the following aid to navigation:

Charity Island Shoal Lighted Bell Buoy "1" (LLNR 10530)

LNLM: 46/14

**Lake Huron – Harrisville to Forty Mile Point – Chart 14864**

Remove the sound signal from the following aids to navigation:

Thunder Bay Traffic Lighted Bell Buoy "TB" (LLNR 11355)

Presque Isle Entrance Shoal Lighted Bell Buoy "2" (LLNR 11560)

LNLM: 46/14

**Lake Huron – De Tour Passage to Waugoshance Point – Chart 14881**

Remove the sound signal from the following aids to navigation:

Cheboygan Traffic Lighted Bell Buoy (LLNR 12180)

Pomeroy Reef Lighted Gong Buoy "2PR" (LLNR 12210)

Mission Point Lighted Bell Buoy "2" (LLNR 12540)

North Graham Shoal Lighted Bell Buoy "3" (LLNR 12605)

Mackinac Bridge Lighted Bell Buoy "1" (LLNR 12625)

Mackinac Bridge Lighted Gong Buoy "2" (LLNR 12630)

Mackinac Bridge Lighted Bell Buoy "3" (LLNR 126450)

Mackinac Bridge Lighted Gong Buoy "4" (LLNR 12650)

LNLM: 46/14

**Lake Michigan - Upper Green Bay - Chart 14909**

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

LNLM: 31/14

**Lake Michigan – Grand Traverse Bay to Little Traverse Bay – Chart 14913**

Remove the sound signal from the following aids to navigation:

South Point Lighted Bell Buoy "2" (LLNR 18100)

Grand Traverse Bay Shoal Lighted Bell Buoy "3" (LLNR 18115)

Northport Point Lighted Bell Buoy "2" (LLNR 18120)

West Arm Lighted Bell Buoy "4" (LLNR 18240)

LNLM: 46/14

**Lake Michigan – Platte Bay to Leland – Chart 14912**

Remove the sound signal from the following aids to navigation:

South Manitou Island Shoal Lighted Gong Buoy "8" (LLNR 18360)

Sleeping Bear Lighted Bell Buoy "7" (LLNR 18365)

LNLM: 46/14

**Lake Michigan – Waukegan to South Haven – Chart 14905**

Remove the sound signal from the following aids to navigation:

Indiana Shoal Lighted Gong Buoy "4" (LLNR 19625)

Wilmette Wreck Lighted Bell Buoy "WR 2" (LLNR 20250)

Grossepoint Outer Lighted Bell Buoy "4" (LLNR 20255)

LNLM: 46/14

**Lake Michigan – Chicago Lake Front – Chart 14927**

Remove the sound signal from the following aid to navigation:

Clemson Shoal Lighted Bell Buoy "4" (LLNR 19910)

LNLM: 46/14

**Lake Michigan – Port Washington to Waukegan – Chart 14904**

Remove the sound signal from the following aid to navigation:

Milwaukee South Point Lighted Bell buoy "1" (LLNR 20630)

LNM: 46/14

**Lake Michigan – Upper Green Bay – Chart 14909**

Remove the sound signal from the following aids to navigation:

Baileys Harbor Entrance Lighted Bell Buoy (LLNR 21235)  
Porte Des Morts Entrance Lighted Bell Buoy (LLNR 21300)  
Waverly Shoal Lighted Bell Buoy "5" (LLNR 21335)  
Fisherman Shoal Lighted Bell Buoy "6" (LLNR 21420)  
Little Gull Island Lighted Bell Buoy "2" (LLNR 21445)  
Wiggins Point Shoal Lighted Bell Buoy "4" (LLNR 21470)  
Whaleback Shoal East End Lighted Bell Buoy "4" (LLNR 21775)  
Strawberry Channel Southeast Lighted Bell Buoy "6" (LLNR 21830)  
Chambers Island North Shoal Lighted Bell Buoy "1" (LLNR 21890)  
Chambers Island West Shoal Lighted Bell Buoy "3" (LLNR 21900)

LNM: 46/14

**Lake Michigan – Dutch Johns Point to Fishery Point – Chart 14908**

Remove the sound signal from the following aids to navigation:

Fayette Lighted Bell Buoy "2" (LLNR 21590)  
Drisco Shoal Lighted Bell Buoy "2" (LLNR 21600)  
Eleven Foot Shoal Lighted Bell Buoy "6" (LLNR 21625)

LNM: 46/14

**Lake Michigan – Menominee and Marinette Harbors – Chart 14917**

Remove the sound signal from the following aid to navigation:

Menominee Shoal Lighted Bell Buoy "2A" (LLNR 21915)

LNM: 46/14

**Lake Michigan – Lower Green Bay – Chart 14910**

Remove the sound signal from the following aids to navigation:

Sherwood Point Traffic Lighted Bell Buoy (LLNR 22005)  
Oconto Harbor Lighted Bell Buoy "2" (LLNR 22014)  
Green Bay Harbor Entrance Channel Lighted Bell Buoy "2" (LLNR 22110)  
Green Bay Harbor Entrance Channel Lighted Bell Buoy "11" (LLNR 22155)  
Green Bay Harbor Entrance Channel Lighted Bell Buoy "16" (LLNR 22175)

LNM: 46/14

**St. Mary's River – De Tour Passage to Munuscong Lake - Chart 14882**

Remove the sound signal from the following aid to navigation:

Crab Island Shoal Lighted Bell Buoy "4" (LLNR 12825)

LNM: 46/14

**St. Mary's River – Head of Lake Nicolet to Whitefish bay – Chart 14884**

Remove the sound signal from the following aids to navigation:

Point Iroquois Shoal Lighted Bell Buoy "33" (LLNR 14465)  
Point Iroquois Shoal Lighted Bell Buoy "39" (LLNR 14490)

LNM: 46/14

**Lake Superior - Grand Marais to Big Bay Point - Chart 14963**

Bay Furnace Light (LLNR 14600) permanently discontinue the light.

LNM: 38/14

**Lake Superior – Grand Marais to Big Bay Point – Chart 14963**

Remove the sound signal from the following aids to navigation:

Trout Point Lighted Bell Buoy "2" (LLNR 14585)  
Sand Point Lighted Bell Buoy "3" (LLNR 14590)

LNM: 46/14

**Lake Superior – Apostle Islands – Chart 14973**

Remove the sound signal from the following aid to navigation:

York Island Shoals Lighted Bell Buoy "1" (LLNR 15570)

LNM: 46/14

**Lake Michigan – Waugoshance Point to Seul Choix Point – Chart 14911**

Remove the sound signal from the following aids to navigation:

New Shoal Lighted Bell Buoy "3" (LLNR 17745)  
Simmons Reef Lighted Bell Buoy "2" (LLNR 17760)  
Grays Reef Passage Channel Lighted Bell Buoy "4" (LLNR 17770)  
Stoney Point Shoal Lighted Bell Buoy "1" (LLNR 178500)  
Boulder Reef Lighted Bell Buoy "1" (LLNR 21525)  
Garden Island Shoal Lighted Bell Buoy "1" (LLNR 21540)

LNM: 46/14

**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

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## SECTION VII - GENERAL

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

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### Waterways Analysis and Management System Study - 2013

The Coast Guard is conducting a Waterways Analysis and Management System Study on the following waterways during 2014. 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 with that review. 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.

North Green Bay / Little Bay De Noc (LLNR 21230 – LLNR 21520) (LLNR 21590 – LLNR 21900)  
Green Bay Entrance (LLNR 21985 – LLNR 22360)  
Commanding Officer  
USCGC Mobile Bay (WTGB 103)  
36 South Neenah Ave  
Sturgeon Bay, WI 54235  
(920) 743-2646

Buffalo Harbor / Black Rock Canal (LLNR 2665 - 3360)  
Commander  
Sector Buffalo  
1 Fuhrmann Blvd.  
Buffalo, NY 14203  
(716) 843-9524

Milwaukee Harbor (LLNR 20635 - 20765)  
Commanding Officer  
USCGC MACKINAW (WLBB-30)  
632 Coast Guard Drive  
Cheboygan, MI 49721  
(231) 597-2030

St. Mary's River (LLNR 12765 - 13755)  
Lake Nicolet / Bayfield Channel (LLNR 13955 - 14192)  
Commanding Officer  
USCGC BUCKTHORN (WLI 642)  
337 Water Street  
Sault Ste Marie, Michigan 49783  
(906) 635-3288

Potagannissing Bay (LLNR 12690-LLNR 12763) Commander Sector Sault Ste Marie  
337 Water Street  
Sault Ste Marie, Michigan 49783  
(906) 635-3270

**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.

LNLM: 24/13

**NEW YORK STATE CANAL SYSTEM – NY – Erie Canal - Chart 14786 – Bridge Maintenance**

From December 8, 2014 to February 15, 2015 scaffolding will be installed under the Long Branch Road Bridge E074 at the confluence of Lake Oneida over the Erie Canal that extends approximately 5 feet below low steel.

LNLM: 50/14

**NEW YORK STATE CANAL SYSTEM – NY – Erie Canal - Chart 14786 – Bridge Removal**

From December 8, 2014 to March 19, 2015 the Peet Street Bridge at Mile 312.2 and the Wruck Street Bridge at Mile 313.7, both over the Erie Canal at Royalton, NY will be removed in their entirety. Spotters will warn of approaching vessels and allow vessels to pass the work areas.

LNLM: 51/14

**NEW YORK STATE CANAL SYSTEM – NY – Erie Canal - Chart 14786 – Bridge Maintenance**

From December 10, 2014 through January 31, 2015 scaffolding that extends approximately 2 feet below low steel will be installed under the New York Route 34, E-083, Bridge at approximate Mile 192 over the Erie Canal at Brutus, NY.

LNLM: 51/14

**LAKE ERIE – OH – Cleveland Harbor, Chart 1414839 – Bridge Maintenance**

From July 17 through May 1, 2015 scaffolding will be installed under the new I-90 Inner Belt Freeway Bridge at Mile 3.38 that extends approximately 5 feet below low steel. Steady burning amber lights will be displayed on the bottom and four corners of the scaffolding. The bridge navigation lighting will not be affected.

LNLM: 42/14

**LAKE ERIE –OH – Maumee River - Chart 14846 – Bridge Maintenance**

From September 16, 2013 through October 29, 2015 scaffolding will be installed under the Anthony Wayne Bridge at Mile 5.16 over the Maumee River that extends approximately 3 feet below low steel. The center 200 feet of the bridge will be marked with steady burning red lights and will not have any scaffolding, cables, or other equipment extended across it. Steady burning amber lights will illuminate the bottom and four corners of the scaffolding.

LNLM: 45/13

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

From August 1, 2015 through October 31, 2015, 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 – Fairport Harbor - Chart 14837 – Bridge Replacement**

From July 1, 2014 through September 14, 2015 contractors will be replacing the High Street Bridge at Mile 2.76 over the Grand River. The center span reportedly will remain open and unobstructed for vessel traffic to pass under the bridge. Temporary causeways will be installed at both ends of the bridge to accommodate construction activities. From January 12 to January 16, 2015 new steel beams will be installed. Mariners should use caution when passing under the bridge.

LNLM: 22/14

**LAKE ERIE – NY – Buffalo, Black Rock Canal, Chart 14822 – Bridge Maintenance**

From November 6, 2014 through May 5, 2015 the Ferry Street Bridge at Mile 2.6 over the Black Rock Canal at Buffalo, NY will be locked in the open position. Scaffolding that extends approximately 2 feet below low steel will be installed under the drawspan. Amber lights will show the temporary clearance under the bridge. From November 10, 2014 to February 1, 2015, between the hours of 0700 and 1630, Monday through Saturday, 25 foot by 8 foot work platforms will be used at the bridge. The work platforms will be working on the edges of the navigational channel and will move to accommodate vessel traffic if a 30-minute advance notice is provided by calling: 716-583-4046.

LNLM: 45/14

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

From 0600 on February 2 to 0600 on February 12, 2015 the Norfolk Southern Railroad Bridge at Mile 0.76 over the Cuyahoga River will be secured to mast navigation. Vessels able to pass under the bridge without an opening may do so at any time.

LNLM: 47/14

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

From October 28 to December 31, 2014 between the hours of 0700 and 1730, Monday through Friday, four work barges, 185 feet by 55 feet will

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

be working at the Fort Street Bridge at Mile 2.20 over the River Rouge. The barges will move if provided a 1-hour advance notice by calling: 734-676-2131 or 734-216-5516.

LNM: 44/14

**DETROIT RIVER – MI – Detroit River - Chart 14848 – Bridge Maintenance**

From November 17, 2014 to March 25, 2016 platforms that hang approximately 33 feet below low steel will be installed around both piers of the Ambassador Bridge at Mile 2.2 over the Detroit River. The platforms will extend 4 feet towards the channel. Steady burning red lights will mark the bottom corners closest to the channel.

LNM: 46/14

**ST CLAIR RIVER – MI – Pine River - Chart 14852 – Bridge Maintenance**

From January 15 through March 15, 2015 the Riverside Avenue, State Route 29, Bridge at Mile 0.1 over the Pine River will be secured to masted navigation. Scaffolding that hangs approximately 3 feet below low steel will be installed under the bridge.

LNM: 51/14

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

From January 19 to January 27, 2015 four barges 165 feet by 42 feet or smaller will be installing the submarine cables for the Fort Street Bridge at Mile 2.20 over the River Rouge. The barges will move if a 12-hour advance notice is provided by calling: 313-215-5786 or 313-215-5785

LNM: 52/14

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

From February 13 to February 21, 2015 barges will install the new draw spans for the Fort Street Bridge at Mile 2.20 over the River Rouge. Vessels will not be able to pass through the bridge until the draw spans have been installed.

LNM: 52/14

**LAKE HURON – MI – Saginaw River, Chart 14867 – Bridge Maintenance**

From April 15, 2013 through April 15, 2015, work platforms will be installed around each bridge pier under the I-75 Bridge at Mile 14.61 over the Saginaw River that hang approximately 10 feet below low steel and extend out approximately 5 feet from each bridge pier. Amber lights will be mounted on the bottom and four corners of the platforms. Platforms will not extend over the charted federal channel at anytime.

LNM: 51/12

**LAKE HURON – MI – Black River - Chart 14865 – Bridge Maintenance**

From January 15 through March 15, 2015 the Military Street Bridge at Mile 0.33 over the Black River will be secured to masted navigation. Scaffolding that hangs approximately 3 feet below low steel will be installed under the bridge.

LNM: 51/14

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

From December 6, 2014 to May 23, 2015 scaffolding that extends approximately 1 foot below low steel will be installed under the 18th Street Bridge at Mile 3.60 (CORPS MILE 323.7) over the South Branch of the Chicago River. Steady burning amber lights will mark the bottom and four corners of the scaffolding. The bridge will continue to operate as required by 33 CFR 117.391. from December 20, 2014 to January 18, 2015 and from March 7, 2015 to May 22, 2015, from 0700 to 1730, Monday through Saturday a 100 foot by 27 foot barge will be working under the bridge. The barge will move to accommodate vessel traffic if provided a 2-hour advance notice of arrival. The barge will monitor VHF-FM marine channel 16.

LNM: 50/14

**LAKE MICHIGAN – MI – Saint Joseph River - Chart 14930 – Bridge Maintenance**

From September 8, 2014 to June 27, 2015 containment will be installed under the M-12, I-94 Bridge at Mile 6 over the Saint Joseph River. Containment will extend from low steel to floating work platforms anchored under the bridge. A horizontal clearance of at least 40 feet will be maintained to allow vessels to pass under the bridge. The floating work platforms will display steady burning amber lights along the sides. Steady burning red lights will designate the navigational opening under the bridge. Mariners should pass under the bridge at a slow no wake speed.

LNM: 34/14

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

From October 15, 2014 to April 15, 2015 a barge with a turbidity barrier will be positioned under one half of the Dyckman Avenue Bridge at Mile 0.88 over the Black River. From October 15 to October 24, 2014 one leaf of the bridge will remain in the open to navigation position between the hours of 1800 to 0700 each day. From 0701 on October 24, 2014 to April 15, 2015 both leaves of the bridge will be secured to masted navigation and scaffolding that extends approximately 2 feet below low steel will be installed under the entire length of the bridge.

LNM: 51/14

**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 Discrepancy**

**LAKE MICHIGAN – IN – Indiana Harbor Canal - Chart 14927 – Bridge Discrepancy**

The Coast Guard has received a report that the Elgin, Joliet, and Eastern Railroad Bridge at Mile 1.89 over the Indiana Harbor Canal has developed a sinkhole between the end of the bridge and the channel sea wall. No shoaling has been reported in connection with this sink hole however mariners should be aware of the possibility and transit the area with caution.

LNM: 43/14

**LAKE MICHIGAN – IN – Indiana Harbor Canal - Chart 14927 – Bridge Removal**

From December 5, 2014 through February 4, 2015 between the hours of 0700 and 1600 Monday through Friday, Divers will be removing the remaining portions of the former Pennsylvania Railroad Bridge at Mile 0.91 over the Indiana Harbor Canal. Spotters will warn of approaching vessels and move the divers to allow vessels to pass.

LNM: 49/14

**LAKE MICHIGAN – IN – Indiana Harbor Canal - Chart 14927 – Bridge Maintenance**

From January 1, 2015 through March 31, 2015 between the hours of 0600 and 1800 Monday through Friday, a 40 foot by 10 foot barge will be working at the Elgin, Joliet, and Eastern Railroad Bridge at Mile 0.88 over the Indiana Harbor Canal. The barge will move if a 4-hour advance notice is provided to the barge on VHF-FM Marine Channel 16 or by calling 630-450-0951 or 630-777-4722.

LNM: 51/14

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

From 0600 on February 15 to 0600 on February 21, 2015 the Norfolk Southern Railroad Bridge at Mile 1.34 ( CORPS MILE 331.9 ) over the Calumet River will be secured to masted navigation for maintenance. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 44/14

**LAKE MICHIGAN – IL – Chicago River Chart 14927 – Bridge Construction**

From November 1, 2014 through March 6, 2015 three barges will be building the Chicago Riverwalk between the State Street Bridge at Mile 1.05, CORPS MILE 326.1, and the Wells Street Bridge at Mile 1.37, CORPS MILE 325.8, both over the Main Branch of the Chicago River. Three barges, 195 feet by 55 feet will remain tight to the south wall of the river. All barges will move as necessary to accommodate vessel traffic if a 12-hour advance notice is provided by calling 312-744-4200 or 312-747-2470. Between the hours of 2300 and 0800 daily, additional tug and barge traffic may be experienced in this area during the delivery of materials. Mariners should transit the area at a safe speed.

LNM: 49/14

**LAKE MICHIGAN – IL – Chicago River Chart 14927 – Bridge Construction**

The construction on the new Division Street Bridge at Mile 2.99, CORPS MILE 326.8, over the Chicago River North Branch Canal has been completed. The reported minimum clearances are 17 feet vertical with 18 feet vertical reported at center above low water datum and 80 feet horizontal clearance. Mariners are reminded these clearances are reported by the bridge owner and not finally evaluated.

LNM: 39/14

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

From April 28, 2014 through January 15, 2015, between the hours of 0730 and 1800, Monday through Friday, a 120 foot by 35 foot barge will be working at the Van Buren Street Bridge at Mile 2.26, CORPS MILE 324.9, over the South Branch of the Chicago River. The barge will move as needed to allow vessels to pass if a 2-hour advance notice of arrival is provided. Mariners should provide advance notice directly to the Barge on VHF-FM Marine Channel 16 or by calling: 312-747-2470 or 312-617-0559.

LNM: 15/14

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

The Coast Guard has received a report that the lights on the South Kedzie Avenue at Mile 7.8 ( CORPS MILE 319.5 ) over the Chicago Sanitary and Ship Canal are extinguished.

LNM: 50/14

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

From December 6, 2014 to May 23, 2015 scaffolding that extends approximately 1 foot below low steel will be installed under the 18th Street Bridge at Mile 3.60 (CORPS MILE 323.7) over the South Branch of the Chicago River. Steady burning amber lights will mark the bottom and four corners of the scaffolding. The bridge will continue to operate as required by 33 CFR 117.391.

LNM: 48/14

**LAKE MICHIGAN – IL – Chicago Sanitary and Ship Canal – Chart 14927 – Bridge Maintenance**

From June 16, 2014 through August 18, 2015 two 120 foot by 120 foot barges will be working under the non-movable spans of the CSX Railroad Bridge at Mile 6.9, CORPS MILE 320.4, over the Chicago Sanitary and Ship Canal.

LNM: 23/14

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

The Coast Guard has received a report that the lights on the South Western Avenue Bridge at Mile 6.7 ( CORPS MILE 320.6 ) over the Chicago Sanitary and Ship Canal are extinguished.

LNM: 46/14



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

The Coast Guard has received a report that the lights on the BNSF Railroad Bridge at Mile 8.4 ( CORPS MILE 318.9 ) over the Chicago Sanitary and Ship Canal are extinguished.

LNM: 50/14

**LAKE MICHIGAN – WI – Milwaukee River - Chart 14924 – Bridge Maintenance**

From December 1, 2013 through December 31, 2015 scaffolding and containment will be installed under the Lake Freeway I-794 Hoan Bridge at Mile 0.19 over the Milwaukee River that extends approximately 3 feet below low steel. The bottom and four corners of the scaffolding will have steady burning amber lights to denote the reduction in clearance.

LNM: 07/13

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

From January 5 to January 30, 2015 the St Paul Avenue Bridge at Mile 1.21 over the Milwaukee River will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 49/14

**LAKE MICHIGAN – WI – Fox River, Chart 14916 – Bridge Construction**

From April 23, 2014 through February 23, 2015, between the hours of 0600 and 1800, Monday through Friday, four barges 80 foot by 10 foot will be working on constructing the Boat Works Pedestrian Bridge at Mile 56.4 over the Fox River at Oshkosh. The barges will move to accommodate vessel traffic. After work hours the barges will be moored outside of the navigation channel and lighted in accordance with the navigation rules.

LNM: 17/14

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

The Coast Guard has received a report that the lights on the South Pulaski Road Bridge at Mile 8.9 ( CORPS MILE 318.4 ) over the Chicago Sanitary and Ship Canal are extinguished.

LNM: 50/14

**LAKE MICHIGAN – WI – Green Bay – Chart 14918 – Bridge Maintenance**

From January 1, 2015 through March 15, 2015 the Tillemann Memorial Bridge at Mile 2.27 over the Fox River will be secured to masted navigation. Vessels able to pass under the bridge may do so at any time.

LNM: 25/14

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

From September 15, 2014 through January 30, 2016 an 80 foot by 50 foot and a 40 foot by 40 foot barge will be constructing the new State Highway 96 Bridge at Mile 17.36 over the Fox River. The same equipment will be removing the Wrightstown Bridge at Mile 17.36 over the Fox River. 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: 35/14

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

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

LNM: 40/14

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

The Coast Guard has received a report that the lights on the South Cicero Bridge at Mile 10.0 ( CORPS MILE 317.3 ) over the Chicago Sanitary and Ship Canal are extinguished.

LNM: 50/14

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

The Coast Guard has received a report that the lights on the Grand Avenue Bridge at Mile 2.0 ( CORPS MILE 325.9 ) over the North Branch of the Chicago River are extinguished.

LNM: 50/14

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

The Coast Guard has received a report that the lights on the Chicago Avenue Bridge at Mile 2.4 ( CORPS MILE 326.3 ) over the North Branch of the Chicago River are extinguished.

LNM: 50/14

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

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

LNM: 50/14

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

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

LNM: 50/14

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

The Coast Guard has received a report that the lights on the South Damen Avenue Bridge at Mile 5.59 (CORPS MILE 321.2) over the South Branch of the Chicago River are extinguished.

LNM: 50/14

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

The Coast Guard has received a report that the lights on the Kinze Avenue Bridge at Mile 1.81 (CORPS MILE 325.7) over the South Branch of the Chicago River are extinguished.

LNM: 50/14

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

The Coast Guard has received a report that the lights on the CSX Railroad Bridge at Mile 15.1 over the Chicago Sanitary and Ship Canal are extinguished.

LNM: 52/14

**LAKE MICHIGAN – WI – Sturgeon Bay - Chart 14919 – Bridge Discrepancy**

The Coast Guard has received a report that the lights on the Maple-Oregon Bridge at Mile 4.17 over the Sturgeon Bay Ship Canal are extinguished.

LNM: 52/14

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

From June 14 through February 27, 2014 scaffolding that extends approximately 4 feet below low steel will be installed under one half of the Lake Shore Drive Bridge at Mile 0.32, CORPS MILE 326.9, over the Main Branch of the Chicago River. From June 20 through August 31, 2014, Monday through Friday, between the hours of 0700 and 1500, a 120 by 40 foot barge will be working under the bridge. The barge will move if a 1-hour advance notice is provided directly to the barge on VHF-FM Marine Radio Channel 16. The bridge operating schedule will be unaffected during this project.

LNM: 50/14

**LAKE MICHIGAN – WI – Fox River - Chart 14918 – Bridge Removal**

Contractors have reported removal of the former Wisconsin Central Railroad Bridge at Mile 2.61 over Fox River has been completed. The area over the former bridge is reported to be cleared to channel depth and is unmarked. Mariners are urged to pass the area with caution until further surveys are completed.

LNM: 50/14

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

From March 31, 2014 through November 1, 2015 scaffolding will be suspended under the Bong Bridge at Mile 5.20 over the St. Louis Bay and River that extends approximately 3 feet below low steel. Amber lights along the bottom and four corners will show the temporary reduction in clearance.

LNM: 10/14

**LAKE SUPERIOR – MI – Keweenaw Waterway – Chart 14972 – Bridge Maintenance**

From December 15, 2014 through April 15, 2015 the U.S. 41 Bridge at Mile 16.0 over the Keweenaw Waterway at Houghton-Hancock, MI will be secured to masted navigation for maintenance. Vessels able to pass under the bridge without an opening may do so at anytime.

LNM: 14/14

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

From April 15, 2015 to June 15, 2015 and again from September 15, 2015 to December 15, 2015, 7 days a week, the U.S. 41 Bridge at Mile 16.0 over the Keweenaw Waterway at Houghton-Hancock, MI shall open on the hour between 0600 and 2200 daily for recreational vessels, however the bridge need not open at 0800, noon, and 1700. A barge will be working in the waterway at the bridge during these periods. The barge will move to allow large vessels to pass if a 4-hour advance notice is provided to the drawtender.

LNM: 26/14

**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
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None

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**PUBLICATION CORRECTIONS**

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None

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**ENCLOSURES**

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**(1) SUMMARY OF DREDGING**

[01-15 Summary Of Dredging.pdf](#)  
Construction Operations in Effect

LNM: 14/14

**(2) GREAT LAKES - General - Marine Events**

[01-15 Marine Events.pdf](#)  
Summary of Marine Events

LNM: 14/14

**(3) SUMMARY OF BRIDGE MAINTENANCE / ACTIVITIES**

[Bridge Winter Hours.pdf](#)  
Bridge Maintenance / Activities in Effect.

LNM: 14/14

**(4) WATERWAYS ANALYSIS AND MANAGEMENT SURVEY**

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

LNM: 14/14

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F. M. MIDGETTE, RADM  
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
<u>LAKE ONTARIO</u>				
None				
<u>LAKE ERIE</u>				
Cleveland, OH	05/13	CONSTRUCTION	24 HRS / 7 DAYS	29 Jan. 13 – TBD
<u>DETROIT RIVER</u>				
Detroit, MI	33/14	CONSTRUCTION	24 HRS / 7 DAYS	11 Aug. 14- TBD
<u>LAKE ST. CLAIR</u>				
None				
<u>LAKE HURON</u>				
None				
<u>STRAITS OF MACKINAC</u>				
None				
<u>ST MARYS RIVER</u>				
None				
<u>LAKE SUPERIOR</u>				
Portage Lake, MI	31/13	SEDIMENT REMEDIATION	24 HRS / 7 DAYS	01 Sep. 13 – TBD
<u>LAKE MICHIGAN</u>				
Frankfort, MI	25/13	DREDGING OPERATIONS	24 HRS / 7 DAYS	20 Jun. 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>
Spring Lake, MI	52/14	DREDGING OPERATIONS	0700-1800: 7 DAYS	02 Feb. 15 -- 15 Feb. 15

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

<u>Location</u>	<u>LNM</u>	<u>Events</u>	<u>Dates</u>	<u>Time (Local)</u>	<u>POC or Sponsor</u>	<u>Number</u>
<u>LAKE ONTARIO</u>						
Rochester, NY	43/14	ROCHESTER PROSTBITE RACING	01 Nov 14 - 01 Apr. 15	1300-1530	William Dexter	(585) 461-2422
<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						

October 15, 2014 - April 30, 2015

Last Updated: 30 DEC 2014

Chart Number	Port Name	Bridge Name	Mile	Waterway	Start Date	End Date	Advance Notice	Primary Phone	Secondary Phone	Alternate Phone	Alternate Phone
14815	Rochester	O' Rorke	1.2	Genesee	16-Dec	31-Mar	12-hours	585-753-7720			
14832	Black Rock	Ferry Street	2.6	Black Rock	01-Dec	14-Apr	4-hours	716-866-4323			
14832	Black Rock	Canadian Natl	3.8	Black Rock	01-Dec	14-Apr	4-hours	416-580-3320	905-788-7502		
14833	Buffalo	Michigan Ave	1.3	Buffalo River	16-Dec	21-Mar	04-hours	716-866-4323			
14833	Buffalo	Ohio St	2.1	Buffalo River	16-Dec	21-Mar	04-hours	716-866-4323			
14836	Ashtabula	Fifth Street	1.38	Ashtabula	13-Dec	29-Mar	12-hours	440-576-2816	440-969-4919	440-536-2941	440-645-9041
14836	Ashtabula	NS RR	1.4	Ashtabula	30-Nov	01-Apr	24-hours	440-992-2257			
14839	Cleveland	Center St	1.39	Cuyahoga	31-Dec	16-Mar	12-hours	216-664-4767	216-857-7520		
14839	Cleveland	Columbus	1.93	Cuyahoga	31-Dec	16-Mar	12-hours	216-664-4767	216-857-7520		
14839	Cleveland	West 3rd St	3.69	Cuyahoga	31-Dec	16-Mar	12-hours	216-664-4767	216-857-7520		
14839	Cleveland	Willow Ave	1.02	Cuyahoga Old	31-Dec	16-Mar	12-hours	216-664-4767	216-857-7520		
14841	Lorain	Erie Ave	0.6	Black River	01-Jan	31-Mar	12-hours	VHF-FM 16	440-244-2137		
14841	Lorain	NS RR	1.2	Black River	Did not	request	winter	hours	this	year	
14844	Port Clinton	Monroe St	0.4	Portage River	01-Dec	30-Apr	24-hours	419-373-7086	419-409-0125	419-373-7092	419-373-7085
14844	Port Clinton	Monroe St	0.4	Portage River	01-Dec	30-Apr	24-hours	419-409-0247	419-373-4483	419-409-0110	
14844	Port Clinton	NS RR	1.5	Portage River	01-Dec	30-Apr	24-hours	313-323-5806			
14844	Port Clinton	NS RR	1.5	Portage River	01-Nov	01-Dec	Note 1	313-323-5806			
14844	Sandusky	NS RR	3.5	Sandusky	01-Dec	31-Mar	24-hours	313-323-5806			
14844	Sandusky	NS RR	3.5	Sandusky	01-Nov	01-Dec	Note 1	313-323-5806			
14846	Toledo	CSX RR	1.07	Maumee	21-Dec	31-Dec	04-hours	419-661-3035	419-729-4321	904-359-7551	
14846	Toledo	CSX RR	1.07	Maumee	31-Dec	31-Mar	12-hours	419-661-3035	419-729-4321	904-359-7551	
14846	Toledo	NS RR (W&LE)	1.8	Maumee	21-Dec	31-Dec	04-hours	330-575-2919			
14846	Toledo	NS RR (W&LE)	1.8	Maumee	31-Dec	31-Mar	12-hours	330-575-2919			
14846	Toledo	Craig Mem	3.3	Maumee	21-Dec	31-Dec	04-hours	419-373-7086	419-409-0125	419-373-7050	419-373-7066
14846	Toledo	Craig Mem	3.3	Maumee	01-Jan	31-Mar	12-hours	419-409-0161	419-373-4483	419-409-0110	419-352-2481
14846	Toledo	Craig Mem	3.3	Maumee	01-Jan	31-Mar	12-hours	419-373-7086	419-409-0125	419-373-7050	419-373-7066
14846	Toledo	Craig Mem	3.3	Maumee	01-Jan	31-Mar	12-hours	419-409-0161	419-373-4483	419-409-0110	419-352-2481
14846	Toledo	MLK	4.3	Maumee	21-Dec	31-Dec	04-hours	419-936-3920	419-467-3644	419-467-3558	
14846	Toledo	MLK	4.3	Maumee	01-Jan	31-Mar	12-hours	419-936-3920	419-467-3644	419-467-3558	
14846	Toledo	NS RR	5.76	Maumee	01-Jan	31-Mar	12-hours	313-323-5806			
14848	St. Clair	M29	0.1	Pine River	01-Dec	31-Mar	24-hours	810-329-7121	810-329-5710		
14848	Detroit	Grosse Ile Free	5.6	Detroit River	15-Dec	15-Mar	12-hours	734-955-2172	888-762-3273	734-576-9607	

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

9th Coast Guard District (dtpb)  
Cleveland, Ohio

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216-902-6085

October 15, 2014 - April 30, 2015

Last Updated: 30 DEC 2014

14848	Detroit	Grosse Ile Toll	8.8	Detroit River	15-Dec	15-Mar	12-hours	734-282-2914	
14864	Alpena	2nd Ave	0.3	Thunder Bay	01-Jan	31-Dec	03-hours	989-356-6957	
14865	Port Huron	Canadian Natl	1.56	Black River	01-Dec	31-Mar	24-hours	708-332-3160	877-333-7989 248-431-0673
14865	Port Huron	Military St	0.3	Black River	01-Dec	31-Mar	24-hours	810-984-9785	810-561-5421 810-701-0475
14865	Port Huron	Seventh St	0.5	Black River	01-Dec	31-Mar	24-hours	810-984-9786	810-650-9979 810-984-9730
14865	Port Huron	Tenth St	0.9	Black River	01-Dec	31-Mar	24-hours	810-984-9787	810-841-9240
14867	Bay City	Lake State RR	3.1	Saginaw	01-Jan	31-Mar	12-hours	989-757-7570	989-393-9815
14867	Bay City	Canadian Natl	4.94	Saginaw	01-Jan	31-Mar	12-hours	989-529-0952	989-529-0949
14867	Bay City	Independence	3.88	Saginaw	01-Jan	31-Mar	12-hours	989-450-4975	
14867	Bay City	Liberty	4.99	Saginaw	01-Jan	31-Mar	12-hours	989-450-4975	
14867	Bay City	Veterans Mem	5.6	Saginaw	01-Jan	31-Mar	12-hours	989-892-8389	616-558-1040
14867	Bay City	Lafayette	6.78	Saginaw	01-Jan	31-Mar	12-hours	989-895-8851	616-558-1040
14884	SOO	Canadian Natl		SOO LOCKS	Note 3	Note 3	Special	906-635-4276	906-630-2203 920-579-6754
14886	Cheboygan	US23	0.9	Cheboygan	17-Nov	14-Dec	08-hours	231-627-9414	231-238-7775
14886	Cheboygan	US23	0.9	Cheboygan	15-Dec	31-Mar	12-hours	231-627-9414	231-238-7775
14906	South Haven	Dyckman Ave	1.9	Black River	15-Oct	30-Apr	12-hours	269-637-5151	See LNM 40/14
14916	Gills Landing	Canadian Natl	27.8	Wolf River	15-Oct	15-Apr	12-hours	877-333-7989	
14916	Oshkosh	Canadian Natl	55.7	Fox River	16-Oct	19-Apr	12-hours	708-332-3893	
14917	Marinette	Ogden-First	0.4	Menominee	01-May	31-Oct	Note 2	715-923-0999	715-732-7600
14917	Marinette	Ogden-First	0.4	Menominee	01-Nov	30-Apr	12-hours	715-923-0999	715-732-7600
14918	Green Bay	Canadian Natl	1.03	Fox River	01-Dec	31-Mar	12-hours	920-572-6906	920-436-5925
14918	Green Bay	Main Street	1.58	Fox River	01-Dec	31-Mar	12-hours	920-448-3100	920-492-3735
14918	Green Bay	Walnut Street	1.81	Fox River	01-Dec	31-Mar	12-hours	920-448-3100	920-492-3735
14918	Green Bay	Mason Street	2.27	Fox River	01-Dec	31-Mar	12-hours	920-448-3100	920-492-3735
14918	Green Bay	Canadian Natl	3.31	Fox River	01-Dec	31-Mar	12-hours	877-333-7989	
14919	Sturgeon Bay	Bayview 42/57	3	Sturgeon Bay	01-Dec	14-Mar	12-hours	920-746-0187	
14919	Sturgeon Bay	Maple-Oregon	4.17	Sturgeon Bay	01-Jan	14-Mar	12-hours	920-746-0187	
14919	Sturgeon Bay	Michigan St.	4.3	Sturgeon Bay	01-Jan	14-Mar	12-hours	920-746-0187	
14922	Manitowoc	Eighth Street	0.29	Manitowoc	01-Nov	31-Mar	12-hours	920-686-6550	920-374-0402
14922	Manitowoc	Tenth Street	0.43	Manitowoc	01-Nov	31-Mar	12-hours	920-686-6550	920-374-0402
14922	Sheboygan	Eighth Street	0.69	Sheboygan	01-Nov	30-Apr	12-hours	920-980-3106	920-459-3440
14924	Milwaukee	Broadway St	0.79	Milwaukee	25-Nov	20-Apr	12-Hours	VHF-FM 16	414-286-2575
14924	Milwaukee	Water St	0.94	Milwaukee	25-Nov	20-Apr	12-Hours	VHF-FM 16	414-286-2575
14924	Milwaukee	St. Paul Ave	1.21	Milwaukee	25-Nov	20-Apr	12-Hours	VHF-FM 16	414-286-2575

Please report listing discrepancies to:

Lee Soule, Bridge Management Specialist

9th Coast Guard District (dgb)

Cleveland, Ohio

lee.d.soule@uscg.mil

216-902-6085



Sorted by Chart Number

Authorized Winter Hours for Great Lakes Bridges

October 15, 2014 - April 30, 2015

Last Updated: 30 DEC 2014

14924	Milwaukee	All City Owned	1.28	Milwaukee	25-Nov	20-Apr	12-Hours	VHF-FM 16	414-286-2575
14924	Milwaukee	Canadian Pac	1.05	Menominee	01-Nov	31-Dec	02-Hours	414-389-3772	608-742-6000
14924	Milwaukee	Canadian Pac	1.05	Menominee	01-Jan	15-Apr	12-Hours	414-389-3772	608-742-6000
14924	Milwaukee	All City Owned	1.08	Menominee	25-Nov	20-Apr	12-Hours	VHF-FM 16	414-286-2575
14924	Milwaukee	S. Eleventh St	1.96	Burnham	25-Nov	20-Apr	12-Hours	VHF-FM 16	414-286-2575
14924	Milwaukee	All City Owned	1.67	Kinnickinnic	25-Nov	20-Apr	12-Hours	VHF-FM 16	414-286-2575
14926	Michigan City	Franklin St	0.5	Trail Creek	01-Dec	15-Mar	12-hours	219-362-6205	219-879-6700
14926	Michigan City	Amtrak RR	0.9	Trail Creek	01-Dec	15-Mar	12-hours	312-655-2244	
14927	Chicago	All City Owned		Chicago	01-Dec	31-Mar	48-hours*	312-744-4200	312-747-2470 312-744-4280 312-747-4273
14929	Indiana Harbor	Indianapolis	2.59	Ind Hbr C.	17-Nov	27-Mar	12-hours	219-851-1141	219-608-4272 219-851-6315
14930	St. Joe	CSX RR	0.67	St. Joe	16-Dec	28-Feb	12-hours	616-246-5600	616-246-5581
14930	St. Joe	Blossomland	0.9	St. Joe	16-Dec	28-Feb	12-hours	269-983-5072	269-990-0282
14930	St. Joe	Bicentennial	1.3	St. Joe	16-Dec	28-Feb	12-hours	269-926-2215	269-990-0282
14933	Grand Haven	CSX RR	2.8	Grand River	02-Dec	15-Mar	12-hours	231-788-8392	616-293-0564
14933	Grand Haven	US 31	2.9	Grand River	15-Dec	15-Mar	12-hours	616-842-1994	231-747-2683
14938	Manistee	Maple St	1.1	Manistee	01-Nov	30-Apr	24-hours	231-723-6241	
14938	Manistee	US 31	1.4	Manistee	01-Nov	30-Apr	24-hours	231-723-6241	
14938	Manistee	CSX RR	1.5	Manistee	01-Nov	30-Apr	24-hours	231-349-9528	231-349-9514 231-299-4724 231-233-0015
14942	Charlevoix	US 31	0.3	Pine River	01-Jan	31-Mar	12-hours	231-499-8961	231-357-2377
14972	Keweenaw	US 41	16	Keweenaw	01-Jan	15-Mar	24-hours	906-482-7928	
14975	Duluth	Aerial	0.25	Ship Canal	01-Jan	15-Mar	12-hours	218-723-3387	218-343-0395
14975	Duluth	BNSF\Grassy PT	5.44	St. Louis	12-Dec	01-Jan	12-hours	715-394-1259	715-394-1257
14975	Duluth	BNSF\Grassy PT	5.44	St. Louis	01-Jan	15-Mar	24-hours	715-394-1259	715-394-1257
14998	Rainer	Canadian Natl	85	Rainy River	03-Nov	30-Apr	12-hours	218-628-4788	

1600-0800	24-hours
2300-0700	2-hours
Note 1	0800-1600 Open On Signal
Note 2	0700-2300 Open On Signal
Note 3	See 33 CFR 117.653

\* 12-Hours Commercial

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

9th Coast Guard District (dpp)  
Cleveland, Ohio

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

## U.S. COAST GUARD PUBLICATION NAVIGATION RULES AND REGULATIONS HANDBOOK

### New Publication – Available

The *U.S. Coast Guard August 2014 Navigation Rules and Regulations Handbook* has replaced the *U.S. Coast Guard Commandant Instruction Navigation Rules, International-Inland* (COMDTINST M16672.2D). Besides containing updated material to the previous Instruction, it has additional pertinent navigation regulations, such as Vessel Traffic Management rules.

The handbook is freely available at the U.S. Coast Guard's Navigation Center at <http://www.navcen.uscg.gov/?pageName=navRuleChanges>, and will be available on the National Geospatial-Intelligence Agency's (NGA) Digital Nautical Publications – Quarterly Update (3rd Quarter 2014) DVD-ROM. The handbook can also be accessed through the NGA Maritime Safety Website's "Related Links" page at [http://msi.nga.mil/NGAPortal/MSI.portal?\\_nfpb=true&\\_st=&\\_pageLabel=msi\\_related\\_links](http://msi.nga.mil/NGAPortal/MSI.portal?_nfpb=true&_st=&_pageLabel=msi_related_links). The *Handbook* is not available in government printed form (i.e. USCG, GPO, DLA); but, commercial reproductions may be available in the future.

Future changes to the handbook will be published in the USCG Local Notices to Mariners, NGA Notice to Mariners, and the Federal Register.

## USCG NAVIGATION RULES AND REGULATIONS HANDBOOK, August 2014 Edition

- Page 6 – International Rule 3(h) line 1, revise to read:  
(h) The term *vessel constrained by her draft* means a power-driven vessel which, ...  
(USCG) 46/14
- Page 30 – International Rule 19(c) lines 5-6, revise to read:  
shall if necessary take all her way off and in any event navigate with extreme caution until danger of collision is over.  
(USCG) 46/14
- Page 41 – Inland Rule 23(c) line 3, revise to read:  
all-round flashing red light.  
(USCG) 46/14
- Page 50 – International Rule 24(d) line 1, revise to read:  
(d) A power-driven vessel to which paragraph (a) or (c) of this Rule applies shall also ...  
(USCG) 46/14
- Page 55 – Inland Rule 24(f)(iii) line 1, revise to read:  
(iii) When vessels are towed alongside on both sides of the towing vessel, a ...  
(USCG) 46/14
- Page 95 – Inland Rule 30(l) line 2, revise to read:  
requirements of this Rule. These areas are as follows:  
(USCG) 46/14
- Page 119 – §84.13, line 2, revise to read:  
(a) The chromaticity of all navigation lights shall conform to the following standards, ...  
(USCG) 46/14
- Page 124 – Annex I, Section 13, line 2, revise to read:  
between foremast and mainmast light of 4.5 meters required by paragraph 2(a)(ii) ...  
(USCG) 46/14
- Page 129 – §86.01 (c) *Sound signal intensity and range of audibility*, lines 4-5, revise to read:  
1/3rd-octave band within the range of frequencies 180–700 Hz (+/- 1%) for a vessel of 20 meters or more in length, or 180–2100 Hz (+/- 1%) for a vessel of less than 20 meters in length, of not less than the appropriate figure given in Table 86.01(c) of ...  
(USCG) 46/14
- Page 133 – §86.02 (b), line 3, revise to read:  
than 300 mm for vessels of 20 meters or more in length. Where practicable, a ...  
(USCG) 46/14
- Page 145 – Title, line 2, revise to read:  
WATERS UPON WHICH CERTAIN RULES APPLY  
(USCG) 46/14
- Page 161 – §2307 (a), line 2, revise to read:  
(a) COAST GUARD VESSEL TRAFFIC SERVICE PILOTS – Any pilot, acting in the course and scope of his or her duties while at a United ...  
(USCG) 46/14
- Page 161 – §2307, insert paragraph (b):  
(b) NON-FEDERAL VESSEL TRAFFIC SERVICE OPERATORS. – An entity operating a non-Federal vessel traffic information service or advisory service pursuant

**USCG NAVIGATION RULES AND REGULATIONS HANDBOOK, August 2014 Edition**

to a duly executed written agreement with the Coast Guard, and any pilot acting on behalf of such entity, is not liable for damages caused by or related to information, advice, or communication assistance provided by such entity or pilot while so operating or acting unless the acts or omissions of such entity or pilot constitute gross negligence or willful misconduct.

(USCG) 46/14

Page 162 – Table of contents, insert, 26.05 Use of radiotelephone.

(USCG) 46/14

USCG NAVIGATION RULES AND REGULATIONS HANDBOOK, August 2014 Edition

Page 188 – Table 161.12(c), revise Port Arthur to read:

Port Arthur 1015000/55	150.050 MHz, Ch. 01 A.	The navigable waters of the Sabine-Neches Canal south of 29° 52.70' N.; Port Arthur Canal; Sabine Pass Channel; Sabine River Channel; Sabine River Channel; Sabine River Bar Channel; the offshore safety buoy area; and the ICW from High Island to its intersection with the Sabine-Neches Canal.	46/14
Port Arthur Traffic	150.275 MHz, Ch. 05 A.	The navigable waters of the Neches River; Sabine River; and Sabine-Neches Waters at north of 29° 52.70' N.; and the ICW from its intersection with the Sabine River to MM 204.	
Port Arthur Traffic	150.075 MHz, Ch. 73.	The navigable waters of the Calcasieu Channel; Calcasieu River Channel; and the ICW from MM 204 to MM 191.	

Page 189 – Table 161.12(c), footnote 6, revise to read:

Until otherwise directed, full VTS services will not be available in the Calcasieu Channel, Calcasieu River Channel, and the ICW from MM 204 to MM 191. Vessels may contact Port Arthur Traffic on the designated VTS frequency to request advisories, but are not required to monitor the VTS frequency in this sector.

(USCG)

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:

\_\_\_\_\_

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

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Are the year round and lighted ice buoys adequate: \_\_\_\_\_

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

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

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

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

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

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

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Any addition comments on this waterway: \_\_\_\_\_

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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](mailto: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

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## 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.

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### 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

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## 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)

