LOCAL NOTICE TO MARINERS

District: 9

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 Local Notice to Mariners email Address* D09-DG-District-D9-LocalNoticeoMariners@uscg.mil
**Navigation Information Service watchstander, 24 hours a day at (703) 313-5900**  **Internet Address**  https://www.navcen.uscg.gov/

Coast Pilots, along with corrections are available at: https://nauticalcharts.noaa.gov/publications/coast-pilot/index.html
The Local Notice to Mariners is available on the Internet at https://www.navcen.uscg.gov/?pageName=lnmMain  You will also have links to other government agencies- web pages including the US Army Corps of Engineers and the National Ocean Service.

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

The Ninth District and all Sector offices for their areas of responsibility issue a BROADCAST NOTICE TO MARINERS.
The following Broadcast Notice to Mariners have been incorporated into this week's Local Notice to Mariners:
- Sector Buffalo, NY - B132-19 through B132-19
- Ninth District - C122-19 through C-127-19
- Sector Detroit, MI - D056-19 through D-057-19
- Sector Lake Michigan, WI - M321-19 through M341-19
- Sector Sault Ste Marie, MI - S109-19 through S114-19

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: https://cgis.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: https://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
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 (https://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

LNM: 31/19
31 July 2019
Current Federal Channel conditions, shoaling, and the most recent channel surveys are available at the following Army Corps of Engineers websites:

- 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/

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


The expected water levels on the Great Lakes for Aug 02, 2019. 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 - Great Lakes Water Levels**

- **Lake Ontario**: +61
- **Lake Erie**: +63
- **Lake St. Clair**: +62
- **Lake Michigan-Huron**: +53
- **Lake Superior**: +25

**St Lawrence River**:
- **Above Long Sault Dam**: +34
- **Above Iroquois Dam**: +42
- **Ogdensburg**: +54
- **Alexandria Bay**: +57
- **Head of River at Cape Vincent**: +61

**Detroit River**:
- **Lake Erie at Pelee Passage**: +64
- **Mouth of River at Gibraltar**: +65
- **Fort Wayne**: +67
- **Head of River above Belle Isle**: +63

**St. Clair River**:
- **Mouth of River at Pelee**: +62
- **Algonac**: +65
- **St. Clair**: +61
- **Blue Water Bridge**: +59
- **Head of River at Fort Gratiot**: +55
- **Lake Huron Approach Channel**: +53

**St. Marys River**:
- **Mouth of River at Detour**: +53
- **West and Middle Neebish**: +49
- **Head of Little Rapids**: +49
- **U.S. Slip**: +48
- **Above Locks**: +27
- **Head of River at Point Iroquois**: +25

Available water depth is determined for a location by adding (+) or subtracting (-) 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

**LAKE ERIE - OH - HURON TO CONNEAUT - CHART 14820**

NOAA is conducting a Great Lake Ecosystem study throughout North coast of Lake Erie area extending from Huron to Conneaut. Spar yellow buoys is lighted (Yellow FL 4 Sec) identified and has been placed for a Coastal Hypoxia Research Program to prevent, reduce the ecological and economic impact of “Hypoxia” on marine and Great Lakes ecosystem. Buoys will be place for a temporary period and will start on 1 May until 1 December 2019.

All mariner are urged to use caution and place close attention to these marked buoys while transiting the area. If you are transiting in the vicinity of Huron, OH and have any questions, contact Coast Guard Sector Detroit, MI at (313) 568-9524 or Coast Guard Detroit Aids to Navigation Team (ANT) at (313) 568-9540 or via Channel 16 VHF.

All mariners transiting “EAST” of Huron, OH and have any questions, contact Coast Guard Sector Buffalo, NY at (716) 843-9527 or Coast Guard Buffalo Aids to Navigation Team (ANT) at (716) 843-9550 or via Channel 16 VHF.

**LAKE ERIE - NY - Buffalo Ship Canal – Chart 14833**

There is a steel I-beam protruding out of the water in approximate position 42-51.985N 078-52.170W. The steel I-beam is marked with a
LAKE ERIE – OH – Cleveland Harbor – Chart 14839

The Coast Guard has received a report from the U.S. Army Corps of Engineers of an underwater obstruction at still ranges between 22' and 28'
LWD at approximate position 41 29 42.84 N, 081 42 09.74 W

Decommissioning of Mequon WI DGPS site
The DGPS tower in Mequon WI has suffered a critical failure and is no longer able to broadcast. Since decommissioning of this tower was
scheduled for September 2019 and repairs have been determined to be cost inhibitive it has been decided to decommission this DGPS site
immediately

LAKE MICHIGAN - MANITOWOC AND SHEBOYGAN - Chart 14922
Manitowoc South Breakwater Light "3" (LLNR 20855) The light tower has been destroyed by weather and is missing from its assigned position on
the breakwater. The remains of the structure have been located and removed from the southern edge of the channel. An AIS ATON has been
established to mark the Light List assigned position of Manitowoc South Breakwater Light "3" (LLNR 20855).
AIS ATON TYPE: Synthetic
eATON Type: Beacon Port
eATON Name LT 3
MMSI: 993682614

LAKE MICHIGAN - GREEN BAY - Chart 14910
Peshtigo Reef Light (LLNR 21990)
Shoaling has been reported extending from Peshtigo Reef Lighthouse easterly approximately 150 yards. Depths recorded were approximately
2-3 feet.

LAKE MICHIGAN - RACINE HARBOR - Chart 14925
Racine Reef Light (LLNR 20480) the light tower and supporting foundation has become unstable. Mariners should stay more than 300 feet from
the structure.
Racine Reef Lighted Buoy 18 (LLNR 20483) has been established in position 42-43-40.338N / 087-44-01.614W to mark the damaged light
structure. The buoy is red in color and has a light characteristic of Fl R 2.5s with a range of 5 statute miles. The buoy will be removed and
winter marked with an unlighted nun buoy from December 1 to April 21.

LAKE MICHIGAN - DES PLAINES RIVER
There is a submerged object 5.5 ft below the water line marked with 2 floatable buoys, near MM286.8 on the Des Plaines River. The object is
protruding 45ft into the navigable channel from the Left Descending Bank on the Bridge's south pillar.

LAKE SUPERIOR - REDRIDGE TO SAXON HARBOR - Chart 14965
Ontonagon Harbor East Breakwater Light (LLNR 15220) A Virtual AIS ATON has been established to mark the end of the Ontonagon Harbor
East Breakwater. Position 46-52-47.040N / 089-19-47.786W. The physical lighted structure was damaged by ice and is missing.

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)

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<th>LLNR</th>
<th>Aid Name</th>
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<th>Chart No.</th>
<th>BNM Ref.</th>
<th>LNM St</th>
<th>LNM End</th>
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### DISCREPANCIES (FEDERAL AIDS) CORRECTED

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<td>12205</td>
<td>Martin Reef Light</td>
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<td>St. Louis Bay South Channel (Eastern Section) Lighted Buoy 2A</td>
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<td>D074-16</td>
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<td>19530</td>
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<td>Green Bay Harbor Entrance Channel Lighted Buoy 22</td>
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### DISCREPANCIES (PRIVATE AIDS)

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**DISCREPANCIES (PRIVATE AIDS) CORRECTED**

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<td>Washburn Harbor South Breakwater Light 2</td>
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**PLATFORM DISCREPANCIES**

None

**PLATFORM DISCREPANCIES CORRECTED**

None

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**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 CORRECTED

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<th>LLNR</th>
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PLATFORM TEMPORARY CHANGES

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PLATFORM TEMPORARY CHANGES CORRECTED

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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.

<table>
<thead>
<tr>
<th>Chart</th>
<th>Chart</th>
<th>Edition</th>
<th>Last Local Notice</th>
<th>Horizontal</th>
<th>Datum Reference</th>
<th>Source of Correction</th>
<th>Current Local Notice to Mariners</th>
</tr>
</thead>
<tbody>
<tr>
<td>12327</td>
<td>91st Ed.</td>
<td>19-APR-97</td>
<td>Last LNM: 26/97</td>
<td>NAD 83</td>
<td>27/97</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Corrective Action

Object of Corrective 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 measured from seaward. The nominal range of lights is expressed in nautical miles (NM) unless otherwise noted.

ChartTitle: Lake Michigan (Mercator Projection)

Main Panel 1361 LAKE MICHIGAN - - Page/Side: -

DELETE Sounding in Fathoms; 17 (NOS NW-30743) NOS 45-52-30.300N 085-33-12.600W
DELETE Sounding in Fathoms; 9 (NOS NW-30743) NOS 45-53-21.900N CGD09 at 44-36-25.092N 087-25-45.513W

CHANGE Algoma Light to 12 Stm CGD09

CHANGE Kewaunee Pierhead Light to 12 Stm CGD09 at 44-27-26.670N 087-29-34.400W

ADD Obstruction in Fathoms; 7 Obstn Chart No. 1: K41 (NOS NW-30746) NOS 45-52-37.300N 085-23-16.100W

ADD Sounding in Fathoms; 6 (NOS NW-30743) NOS 45-53-38.400N 085-28-40.000W

ADD Sounding in Fathoms; 6 (NOS NW-30743) NOS 45-53-57.100N 085-36-17.100W

ADD Sounding in Fathoms; 6 (NOS NW-30743) NOS 45-54-09.100N 085-27-03.100W

ADD Sounding in Fathoms; 6 (NOS NW-30743) NOS 45-54-53.800N 085-38-31.600W

ADD Sounding in Fathoms; 7 (NOS NW-30743) NOS 45-52-29.600N 085-39-17.400W

ADD Sounding in Feet; 30 (NOS NW-30743) NOS 45-53-07.800N 085-32-31.700W

ADD Sounding in Feet; 30 (NOS NW-30743) NOS 45-54-04.200N 085-30-57.300W

14902 31st Ed. 01-NOV-18 Last LNM: 38/18 NAD 83 31/19

ChartTitle: North end of Lake Michigan, including Green Bay

Main Panel 1362 NORTH END OF LAKE MICHIGAN INCLUDING GREEN BAY - -. Page/Side: -

DELETE Sounding in Feet; 54 (NOS NW-30743) NOS 45-53-29.400N 085-28-25.800W

ADD Obstruction in Feet; 45 Obstn Chart No. 1: K41 (NOS NW-30746) NOS 45-53-07.300N 085-32-31.700W

ADD Sounding in Feet; 30 (NOS NW-30743) NOS 45-53-41.900N 085-30-23.400W

ADD Sounding in Feet; 31 (NOS NW-30743) NOS 45-54-04.200N 085-30-57.300W

ADD Sounding in Feet; 34 (NOS NW-30743) NOS 45-53-38.400N 085-28-40.000W

ADD Sounding in Feet; 35 (NOS NW-30743) NOS 45-54-53.800N 085-38-31.600W

ADD Sounding in Feet; 35 (NOS NW-30743) NOS 45-54-09.100N 085-27-03.100W

ADD Sounding in Feet; 38 (NOS NW-30743) NOS 45-53-57.100N 085-36-17.100W

ADD Sounding in Feet; 41 (NOS NW-30743) NOS 45-53-23.000N 085-34-06.900W

ADD Sounding in Feet; 46 (NOS NW-30743) NOS 45-52-29.600N 085-39-17.400W

14903 25th Ed. 01-JUN-16 Last LNM: 31/19 NAD 83 31/19

ChartTitle: Algoma to Sheboygan;Kewaunee;Two Rivers

Inset 2908 KEWAUNEE WISCONSIN. Page/Side: A

CHANGE Kewaunee Pierhead Light to 12 Stm CGD09 at 44-27-26.670N 087-29-34.400W

Main Panel 1363 LAKE MICHIGAN-ALGOMA TO SHEBOYGAN. Page/Side: A

CHANGE Algoma Light to 12 Stm CGD09 at 44-36-25.092N 087-25-45.513W

CHANGE Kewaunee Pierhead Light to 12 Stm CGD09 at 44-27-26.670N 087-29-34.400W

14910 25th Ed. 01-NOV-18 Last LNM: 31/19 NAD 83 31/19

ChartTitle: Lower Green Bay;Oconto Harbor;Algoma

Inset 1390 ALGOMA WISCONSIN -. Page/Side: -

CGD09
**CHANGE** Algoma Light to 12 Stm at 44-36-25.092N 087-25-45.513W

Main Panel 1388 LOWER GREENBAY ALGOMA AND OCONTO - - Page/Side: - CGD09

**CHANGE** Algoma Light to 12 Stm at 44-36-25.092N 087-25-45.513W

**CHANGE** Kewaunee Pierhead Light to 12 Stm at 44-27-26.670N 087-29-34.400W

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14911 22nd Ed. 01-FEB-16 Last LNM: 47/16 NAD 83 Page/Side: 31/19

*ChartTitle: Waugoshance Point to Seul Choix Point, including Beaver Island Group; Port Inland; Beaver Harbor*

**Main Panel 1391 LK MICH WAUGOSHANCE PT-SEUL CHOIX PT.** Page/Side: A

| DELETE | Sounding in Feet; 41 (NOS NW-30743) | NOS | 45-53-39.400N | 085-30-13.400W |
| DELETE | Sounding in Feet; 54 (NOS NW-30743) | NOS | 45-54-51.300N | 085-38-43.700W |
| DELETE | Sounding in Feet; 56 (NOS NW-30743) | NOS | 45-54-13.500N | 085-31-01.300W |
| ADD | Obstruction in Feet; 45 Obstn Chart No. 1: K41 (NOS NW-30746) | NOS | 45-52-37.300N | 085-23-16.100W |
| ADD | Sounding in Feet; 30 (NOS NW-30743) | NOS | 45-53-07.800N | 085-32-31.700W |
| ADD | Sounding in Feet; 31 (NOS NW-30743) | NOS | 45-53-41.900N | 085-30-23.400W |
| ADD | Sounding in Feet; 34 (NOS NW-30743) | NOS | 45-54-04.200N | 085-30-57.300W |
| ADD | Sounding in Feet; 35 (NOS NW-30743) | NOS | 45-53-38.400N | 085-28-40.000W |
| ADD | Sounding in Feet; 35 (NOS NW-30743) | NOS | 45-54-53.800N | 085-38-31.600W |
| ADD | Sounding in Feet; 38 (NOS NW-30743) | NOS | 45-54-09.100N | 085-27-03.100W |
| ADD | Sounding in Feet; 39 (NOS NW-30743) | NOS | 45-53-57.100N | 085-36-17.100W |
| ADD | Sounding in Feet; 41 (NOS NW-30743) | NOS | 45-53-23.000N | 085-34-06.900W |
| ADD | Sounding in Feet; 46 (NOS NW-30743) | NOS | 45-52-29.600N | 085-39-17.400W |

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14965 23rd Ed. 01-JAN-15 Last LNM: 03/15 NAD 83 Page/Side: 31/19

*ChartTitle: Redridge to Saxon Harbor; Ontonagon harbor; Black River Harbor; Saxon Harbor*

**Inset 1513 BLACK RIVER HARBOR MICHIGAN.** Page/Side: A

| RELOCATE | Ontonagon Harbor East Breakwater Light Relocate CGD09 from 46-52-44.900N to 46-52-47.040N | 089-19-43.500W 089-19-47.786W |

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14968 28th Ed. 01-FEB-16 Last LNM: 22/19 NAD 83 Page/Side: 31/19

*ChartTitle: Grand Portage Bay, Minn. to Shesheeb Point, Ont.*

**Main Panel 1524 LK SUP GRAND PORTAGE BAY MINN TO SHESHEEB PNT ONT.** Page/Side: A

| RELOCATE | Siskiwit Bay Passage Lighted Buoy 2 Relocate CGD09 from 47-53-55.190N to 47-53-52.419N | 088-53-08.474W 088-53-06.282W |

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25th Ed. 01-FEB-14 Page/Side: 31/19

*ChartTitle: Ashland and Washburn harbors*
### 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

<table>
<thead>
<tr>
<th>Approved Project(s)</th>
<th>Project Date</th>
<th>Ref. LNM</th>
</tr>
</thead>
</table>

**Advance Notice(s)**

#### LAKE ONTARIO - THIRTYMILE POINT TO PORT DALHOUSIE - Chart 14806

Wilson Harbor Day Beacon "9" (LLNR 2435) Permanently discontinue

LNM: 32/18

#### LAKE ERIE - SOUTH SHORE OF LAKE ERIE - Chart 14842

Change the seasonal decommissioning date from November 28 to November 14 on the following buoy:

Middle Harbor Shoal Lighted Buoy "1" (LLNR 5375)

LNM: 22/19

#### LAKE ST. CLAIR - Chart 14850

Change the seasonal decommissioning date from November 14 to November 1 on the following buoys:

- Gaukler Shoal Lighted Buoy "1" (LLNR 8850)
- Gaukler Shoal Junction Lighted Buoy (LLNR 8855)

LNM: 31/19
Change the seasonal commissioning date from April 14 to April 21 on the following buoys:
Point Huron Lighted Buoy “1PH” (LLNR 8925)
Fair Haven Entrance Lighted Buoy “1FH” (LLNR 9265)  

**STRAITS OF MACKINAC - DE TOUR PASSAGE TO WAUGOSHANCE POINT - Chart 14881**
Change the following fog signal operation to user activated on the following lights. The fog signal would be energized when the mariner keys the microphone five times in VHF-FM radio channel 83A five times.
Poe Reef Light (LLNR 11750)
Fourteen Foot Shoal Light (LLNR 11765)  

**LAKE MICHIGAN - MANITOWOC AND SHEBOYGAN - CHART 14922**
Manitowoc Breakwater Light (LLNR 20860) permanently reduce the range of the light from 13 statute miles to 12 statute miles.  

**LAKE MICHIGAN - Green Bay - Chart 14917**
Menominee Pier Light “6” (LLNR 21940) change the characteristic to Fl R 6(1) and reduce the nominal range from 12 statute miles to 10 statute miles.  

**LAKE MICHIGAN - WAUKEGAN TO SOUTH HAVEN - CHART 14905**
Burns Harbor South Light “3” (LLNR 19590) permanently reduce the range of the light from 9 statute miles to 8 statute miles.  

**LAKE MICHIGAN - WAUGOSHANCE POINT TO SEUL CHOIX POINT - Chart**
Change the following fog signal operation to user activated on the following lights. The fog signal would be energized when the mariner keys the microphone five times in VHF-FM radio channel 83A five times.
White Shoal Light (LLNR 17750)
Grays Reef Light (LLNR 17775)
Lansing Shoal Light (21535)  

**LAKE MICHIGAN - IL - Calumet River - Chart 14929**
Calumet Harbor Breakwater South End Light (LLNR 19800). Reduce the range of the Fl R 10s light from 14 statute miles to 12 statute miles and reduce the Fl W 10s light from 17 statute miles to 13 statute miles. The rotating beacon will be replaced with more reliable LED lanterns. The fog signal will continue to operate by keying microphone five times on VHF-FM channel 83A.  

**LAKE MICHIGAN - PLATTE BAY TO LELAND - Chart 14912**
Change the following fog signal operation to user activated on the following lights. The fog signal would be energized when the mariner keys the microphone five times in VHF-FM radio channel 83A five times.
North Manitou Shoal Light (LLNR 18340)  

**ST. MARYS RIVER - DETOUR PASSAGE TO MUNUSCONE LAKE - Chart 14882**
Change the following Aids to Navigation to PHYSICAL AIS ATON:
Lime Island Coal Dock Passage Light (LLNR 12930)  

**ST. MARYS RIVER - DETOUR PASSAGE TO MUNUSCONE LAKE - Chart 14882**
Change the following Aids to Navigation to SYNTHETIC AIS ATON:
Lime Island Traffic Buoy (LLNR 12915)
ST. MARYS RIVER - DETOUR PASSAGE TO MUNUSCONG LAKE - Chart 14882

Change the following Aids to Navigation to SYNTHETIC AIS ATON:

Pipe Island Shoal Lighted Buoy "1" (LLNR 12865)
Hay Point Reef Lighted Buoy "18A" (LLNR 12955)
Point Aux Frenes Lighted Buoy "22" (LLNR 12980)

ST. MARYS RIVER - MUNUSCONG LAKE TO SAULT STE. MARIE - Chart 14883

Change the following Aids to Navigation to PHYSICAL AIS ATON:

Middle Neebish Light "62" (LLNR 13375)
Munuscong Lake Junction (LLNR 13030)

ST. MARYS RIVER - MUNUSCONG LAKE TO SAULT STE. MARIE - Chart 14883

Change the following Aids to Navigation to synthetic AIS ATON:

Munuscong Channel Lighted Buoy "9" (LLNR 13070)
Munuscong Channel Lighted Buoy "21" (LLNR 13125)
Munuscong Channel Lighted Buoy "29" (LLNR 13217)
Munuscong Channel Lighted Buoy "35" (LLNR 13245)
Moon Island Lighted Buoy "13" (LLNR 13695)
Sailors Encampment Lighted Buoy "21" (LLNR 13125)
Middle Neebish Lighted Buoy "43" (LLNR 13285)
Middle Neebish Lighted Buoy "59" (LLNR 13345)
Lake Nicolet Lighted Buoy "89" (LLNR 14030)
Lake Nicolet Lighted Buoy "65" (LLNR 13390)

ST. MARYS RIVER - MUNUSCONG LAKE TO SAULT STE. MARIE - Chart 14833 - Munuscong

West Neebish Channel (Downbound) Light "26" (LLNR 13625) Relocate to position 46-15.9135N / 084-11.3678W West Neebish Channel (Downbound) Light "25" (LLNR 13630) Relocate to position 46-15.8830 / 084-11.4533W

LAKE SUPERIOR - DULUTH - SUPERIOR HARBOR - Chart 14975

Duluth Harbor South Breakwater Outer Light (LLNR 15845) change the fog signal operation to a user activated system. The mariner can energize the fog signal by keying the microphone five times on VHF-FM channel 83A.

LAKE SUPERIOR - DULUTH - SUPERIOR HARBOR - Chart 14975

Duluth Harbor South Breakwater Outer Light (LLNR 15845) discontinue the standby light.

LAKE SUPERIOR - APOSTLE ISLANDS - Chart 14973

Gull Island Light (LLNR 15260) Reduce the range of the light from 7 statute miles to 6 statute miles. Lower the focal plane of the light from 56 feet to 12 feet.

LAKE SUPERIOR - ISLE ROYALE - Chart 14976

Siskiwit Bay Passage Lighted Bell Buoy "SB" (LLNR 16685) Permanently discontinue.

Siskiwit Bay Passage Buoy "2" (LLNR 16695) change from an unlighted buoy to a seasonal lighted buoy with a light characteristic of Fl R 2.5s with a range of 5 statute miles. Permanently move the buoy 120 yards southeast to approximate position 47-53.87N /088-53.1W

Blake Point Five Foot Shoal Buoy "D" (LLNR 16825) Change the unlighted buoy to a year round lighted buoy with a light characteristic of Fl W (2) 5s with a range of 4 statute miles. The lighted buoy will be black with a red stripe but will not show the isolated danger day shape of two vertical black spheres.
Locke Point Buoy "2" (LLNR 16830) Permanently discontinue.
Siskiwiit Bay passage Buoy "1" (LLNR 16690) Permanently move the buoy 215 yards south to approximate position 47-53.81N / 088-53.23W.
Siskiwiit Bay Passage Buoy "3" (LLNR 16700) Permanently move the buoy 120 yards northwest to approximate position 47-54.2N / 088-53.32W.
Malone Bay Buoy "4" (LLNR 16725) Permanently move the buoy 100 yards southeast to approximate position 47-58.69W / 088-48.23W.
Middle Island Passage Lighted Bell Buoy "2" (LLNR 16770) Permanently move the buoy 190 yards northeast to approximate position 48-05.38N / 088-34.24W.

LAKE SUPERIOR - BIG BAY POINT TO REDRIDGE - CHART 14964
Manitou Island Light (LLNR 15170) permanently reduce the range of the light from 12 statute miles to 10 statute miles

LAKE SUPERIOR - ASHLAND WASHBURN HARBORS - Chart 14974
Ashland Harbor Buoy "6" (LLNR 15380) permanently discontinue.
Ashland Harbor Buoy "5" (LLNR 13375) move the buoy northeast 100 yards to approximate position 46-35-52.455N / 090-53-30.672

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

<table>
<thead>
<tr>
<th>Proposed Project(s)</th>
<th>Closing</th>
<th>Docket No.</th>
<th>Ref. LNM</th>
</tr>
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<tbody>
<tr>
<td>None</td>
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</table>

**Proposed Change Notice(s)**

**LAKE HURON - HARRISVILLE TO FORTY MILE POINT - Chart 14864**
Nordmeer Wreck Lighted Buoy "WR1" (LLNR 11505) Permanently discontinue the RACON "N" (- .) signal. The aid is a synthetic AIS ATON.

LNM: 27/19

**LAKE MICHIGAN - PLATTE BAY TO LELAND - Chart 14912**
North Manitou Shoal Light (LLNR 18340) Permanently discontinue the RACON morse code characteristic "N". Establish a Synthetic AIS ATON on the position of the aid.

LNM: 20/19

**LAKE SUPERIOR - GRAND MARAIS TO BIG BAY POINT - Chart 14963**
Big Bay Point Light (LLNR 14705) Change the operation of the light from a Federal Aid to Navigation to a Private owner operated light. Change the characteristic from Fl W 6s and 12 statute mile range to Fl W 5s with a 20 statute mile range.

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 - 2018
The U. S. Coast Guard is conducting a Waterway Analysis and Management System Study of the following waterways during 2019. The study focuses on the Aids to Navigation within the waterway, waterborne commerce, marine casualty information, emergency response plans, routine
Waterways Analysis and Management System Study - 2018

and emergency communication capabilities, and future development projects. Coast Guard units will conduct research of each waterway in the study and require waterway user feedback. If you have recommended changes to the waterway please email: william.d.sharp@uscg.mil or complete the survey attached to this local notice to mariner. Your comments are very important and will be forwarded to the appropriate unit conducting the study.

Strait of Mackinaw Eastern Section (LLNR 11720 - LLNR 11775)
(LLNR 12175 - LLNR 12215)
(LLNR 12535 - LLN 12650)

Burns Harbor (LLNR 19575 - LLNR 19625)

Milwaukee Harbor (LLNR 20635 - LLNR 20765)

Portage Lake (LLNR 18370 - LLNR 18445)

Manistee Harbor (LLNR 18450 - LLNR 18520)

Ludington Harbor (LLNR 18525 - LLNR 18645)

Chicago / Calumet Harbors (LLNR 19630 - LLNR 20300)

Alpena (LLNR 11345 - LLNR 11715)

Les Cheneaux Islands (LLNR 12220 - LLNR 12532)

Sandusky River (LLNR 5035 - LLNR 5515)

Au Gres (LLNR 11140 - LLNR 11235)

Tawas Bay (LLNR 11240 - LLNR 11330)

Rochester Harbor (LLNR 2280 - LLNR 2395)

Youngstown Harbor (LLNR 2400 - LLNR 2655)

Sackets Harbor (LLNR 1755 - LLNR 2024.9)

St. Mary's River (LLNR 12765 - LLNR 13755)

Lake Nicolet / Bayfield Channel (LLNR 13955 - LLNR 14192)

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.

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

From September 2, 2019 through September 27, 2019, Monday through Saturday, between the hours of 0800 and 2000 a 100 foot inspection vessel will be working under the bridges between E22 Main Street (County Road 27) Bridge at Mile 43.53 and E39 Moss Road Bridge at Mile 92.51 to include the E61 Cove Road Bridge at Mile 128.19, all over the Erie Canal part of New York Canal System, between the towns of Mohawk and Verona, NY. The vessel will monitor VHF-FM Marine Channel 16 and will move if a 30-minute advance notice is provided.

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

From July 9 through November 20, 2020, the E-174 Union Street Bridge at Mile 271.28 and the E-128 Main Street (SR 250) Bridge at Mile 246.67, both over the Erie Canal, part of the New York Canal System will be locked in the open to navigation position and moveable platforms that hang approximately 3 feet below low steel will be installed under the bridge in one half of the channel. The normal working hours will be 0700 to 1700, Monday through Friday; however, actual work hours may change during the project due to weather.

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

From July 1, 2019 through October 31, 2019 between the hours of 0600 and 2200 daily contractors will be washing all bridges from Lock Street Bridge (E233) at Mile 322.6 to Delaware Avenue Bridge (E247) at Mile 340.2 all over the Erie Canal. Spotters will warn of approaching vessels and
NEW YORK STATE CANAL SYSTEM – NY - Erie Canal – Chart 14786 – Bridge Maintenance

move the man lifts to allow vessels to pass. Mariners should avoid passing under large amounts of falling water.

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

From July 9 through November 20, 2020 moveable platforms will be installed under the E174 Union Street Bridge at mile 271.28 and the E128 Main Street Bridge at Mile 246.67, both over the Erie Canal. The platforms will extend approximately 6 feet below low steel.

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

From May 1 through November 25, 2019, between the hours of 0700 to 1600, Monday through Friday, snooper trucks and other man lifts will be working under the E194 TransR Road at Mile 289.15 and the E195 Densmore Road Bridge at Mile 290.18, both over the Erie Canal, part of the New York State Canal System at Albion, NY. Spotters will warn of approaching vessels and move the man lifts to allow vessels to pass.

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

Until November 18, 2019 crews will be removing the E60 Higginsville/ County Road 60A Bridge at Mile 126.04 over the Erie Canal. The bridge navigation lights will be replaced with steady burning yellow lights marking the bottom and four-corners of the bridge.

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

From July 22 through August 24, 2019, between the hours of 0700 and 1500 daily a 24 foot bridge washing vessel will be working under several bridges between the E100, Geneva Street Bridge at Mile 220.77 and the E209, Horan Road Bridge at Mile 303.4 over the Erie Canal. The bridge washing vessel will monitor VHF-FM Marine Channel 16 and will move to accommodate passing vessels. Open vessels should avoid passing underneath large amounts of fresh water that may be falling from the bridges.

LAKE ONTARIO – NY – Rochester Harbor – Chart 14815 - Bridge Special Event

On September 22, 2019 between the hours of 0730 and 1245 the O’Rourke Bridge at Mile 1.25 over the Genesee River will be secured to masted navigation in conjunction with the Rochester Marathon. Vessels able to pass under the bridge without and opening may do so at any time.

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

Until October 1, 2019 the West 3rd Street Bridge at Mile 3.69 over the Cuyahoga River will require a 1-hour advance notice for openings. Mariners should provide advance notice directly to the Carter Road Bridge tender on VHF-FM Marine Channel 16.

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

The coast Guard has received a report that the lights on the Union Terminal viaduct at Mile 1.89 over the Cuyahoga River, are extinguished.

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

From August 1 through August 30, 2019 one leaf of the Erie Avenue Bridge at Mile 0.6 over the Black River will operate normally and a 4-hour advance notice will be required for 2-leaf openings. Mariners should provide advance notice directly to the drawtender on VHF-FM Marine Radio or by calling: 440-244-2137.

LAKE ERIE – OH – Sandusky Bay – Chart 14845 – Bridge Maintenance

From July 15 through October 1, 2019 spider scaffolding will be installed over the north pass through, not part of the navigation span of the State Route 2 at Mile 7.7 over the Sandusky Bay. Steady burning yellow lights will mark the scaffolding.

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

On August 4, 2019 between the hours of 0800 and 1300 the Norfolk Southern Railroad Bridge at Mile 0.76 over the Cuyahoga River will require a 1-hour advance notice for openings. Mariners should provide advance notice directly to the drawtender.

LAKE ERIE – MI – River Raisin – Chart 14846 – Bridge Maintenance

From July 8, 2019 through October 1, 2020. Monday through Friday between the hours of 0700 and 1700, a 40 foot by 20 foot barge will be working at the I-75, Detroit-Toledo Freeway Bridge at Mile 2.1 over the River Raisin. The barge will move if a 1-hour advance notice is provided to the barge on VHF-FM Marine Channel 16 or by calling: 810-217-9551. Scaffolding will be installed tight to the underside of the bridge and platforms that hang approximately 3 feet below low steel will be installed around each bridge pier. 50 feet of horizontal clearance will be available to vessels to pass between the bridge piers.

The Coast Guard has received a report that the fendering for the Grosse Isle Parkway (Free) Bridge at Mile 5.60 over the Detroit River, Trenton
Green Bay-WI – Fox River - Chart 14918 – Dredging

*DREDGING OPERATIONS ON THE FOX RIVER IN GREEN BAY WILL BEGIN MARCH 25, 2019 AND CONTINUE UNTIL NOVEMBER 13, 2019. THE DREDGES “MARK ANTHONY”, “OTTAWA RIVER”, and “EBC” WILL ALL WORK IN THE AREAS IMMEDIATELY SOUTH OF THE MASON STREET BRIDGE TO APPROXIMATELY 1,500-FEET OUTSIDE THE MOUTH OF THE RIVER. IF YOU HAVE ANY QUESTIONS CONCERNING THIS AREA OF THE FOX RIVER PLEASE CONTACT THE DREDGES VIA CHANNEL 16 AFTER OPERATIONS BEGIN. ALL OPERATIONS WILL TAKE PLACE MONDAY 7:00 A.M (CST) THRU SATURDAY 7:00 A.M. (CST). EQUIPMENT PIPELINES MAY BE FLOATING OR SUBMERGED AND ARE MARKED WITH APPROPRIATE BUOYS. ALL MARINERS ARE URGED TO TRANSIT THESE AREAS OF THE FOX RIVER WITH EXTREME CAUTION AND PAY CLOSE ATTENTION TO THE RED AND GREEN CHANNEL MARKER BUOYS AND FLOATING CONSTRUCTION ZONE SIGNAGE. IF YOU HAVE ANY QUESTIONS OR FOR
FURTHER DETAILS, YOU MAY ALSO CONTACT SECTOR LAKE MICHIGAN AT (414)474-7182 OR VIA CHANNEL 16.

2. AS PART OF OPERATIONS FOR THE YEAR A TEMPORARY SHEET PILE STRUCTURE WILL BE BUILT IN THE EAST RIVER TURNING BASIN NEAR THE GEORGIA PACIFIC PROPERTY. INSTALLATION OF THE SHEET PILE CONTAINMENT WILL BEGIN AROUND APRIL 1 AND REMOVAL OF THE CONTAINMENT IS EXPECTED TO BE COMPLETED BY OCTOBER 1ST. WHILE INSTALLED ALL SHIPS PLANNING TO UTILIZE THE EAST RIVER TURNING BASIN MUST MAKE APPROPRIATE PLANS TO HAVE AN ASSIST TUG HELP WITH MOVEMENTS. THE SHEET PILE CONTAINMENT WILL BE MARKED APPROPRIATELY. FOR FURTHER DETAILS PLEASE CONTACT JF BRENNAN AT 608-519-5273.

ANCHORAGES WITHIN CHICAGO HARBOR
Recreational vessels are not allowed to anchor inside Anchorage A, exterior breakwater or Anchorage B, south arm located in Chicago Harbor. Recreational vessels must anchor within the boundaries of Anchorage C, shore arm. Anchorage C boundaries are as follows; south of a line parallel with and 150 feet southward of the shore arm of the exterior breakwater; west of a line parallel with the south extension of the exterior breakwater, 100 feet westward of the east end of the shore arm; northwest of a line perpendicular to the Lake Shore Drive revetment and 300 feet northwest of the northwest corner of the filtration plant; and east of a line parallel with and 600 feet lake ward of the Lake Shore Drive revetment. Except in cases of emergency, no vessel may be anchored in Chicago Harbor outside of the anchorage grounds or the special anchorage areas.

INDIANA HARBOR AND CANALS - EAST CHICAGO
Dredging will be conducted from 6/17/2019 to 10/17/2019 24 hours a day. Tugs and Barges will be towing between the dredge areas and the confined disposal facility. The confined disposal facility is on the North side of the Lake George Canal and the west side of Indianapolis Blvd. Please contact Beth Webber at 231-627-5633, Ken Smith 231-445-2460, or the Tug General on VHF channel 13/16.

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.

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.

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.

Race the Lake on Aug. 25, 2019.
Main Street Bridge at Mile 55.97 over the Fox River from 0630 to 0930.
Racine Street Bridge at Mile 37.91 over the Fox River from 0700 to 1000.

LAKE MICHIGAN – WI – Upper Fox River – Chart 14918 – Bridge Discrepancy
The Coast Guard has received a report that the Wisconsin Avenue (Veterans Memorial) Bridge at Mile 23.78 over the Fox River at Kaukauna Wisconsin is stuck in the closed position. Vessels able to pass under the bridge without an opening may do so at any time.

NORTH BRANCH OF THE CHICAGO RIVER
This notice is to advise mariners of a partially submerged obstruction off the left descending bank of the North Branch of the Chicago River located at MM 327.5

CALUMET HARBOR, IL
An exclusion safety zone where blasted rock may be encountered above the normal channel bottom has been established by the U.S. Coast Guard. The exclusion zone known as safety zone one encompasses all waters bounded by a line drawn from the Calumet Harbor Entrance South Side Light at 41°44.1348'N, 087°30.3790'N then southwest to 41°43.8568'N, 087°30.6587'W then southeast to 41°43.5801'N, 087°30.2830'W then east to the Calumet Harbor Breakwater South End Light at 41°43.5619'N, 087°29.6016'W. The southerly boundary is marked with poles that have white day boards with orange markings that are topped with a white flashing light. At a distance of 500 feet southerly from safety zone one is the row of green U.S. Coast Guard navigation buoys. Vessels entering and exiting the harbor may use the 500 foot wide portion of the navigation channel between the safety zone one aids to navigation and the Green Navigation Buoys. Vessels are urged to operate at reduced speeds and avoid creating any wake that could affect the marine equipment working with explosives. Safety zone one will be enforced for the whole duration of the work being conducted, from May 1, 2019 through December 15, 2019.
From September 14, 2018 through September 1, 2019, between the hours of 0600 to 1800 7-days a week, a 120 foot by 55 foot barge will be working to construct the Addison Under Bridge at Mile 7.55 over the North Branch of the Chicago River. The barge will monitor VHF-FM Marine Channel 16 and will move to allow vessel to pass if a 1-hour advance notice is provided.

From June 3, 2019 through February 28, 2020 between the hours of 0600 and 1730 Monday through Saturday, a 125 foot by 35 foot barge will be working under the South Loomis Street Bridge at Mile 5.29 (CORPS MILE 321.9) over the South Branch of the Chicago River. The barge will move if a 2-hour advance notice is provided directly to the Loomis Street draw tender on VHF-FM Marine Channel 16 or by calling 312-747-2470.

From July 15 through August 31, 2019 between the hours of 0700 and 1530, Monday through Friday, a 130 foot by 42 foot barge will be working under one half of the LaSalle Street Bridge at Mile 1.29 (CORPS MILE 325.9) over the Main Branch of the Chicago River at Chicago, IL. The barge will monitor VHF-FM Marine Radio Channel 16 and will move if a 2-hour advance notice of arrival is provided.

From May 1 through October 31, 2020 one leaf of the Lake Shore Drive Bridge at Mile 0.32 (CORPS MILE 326.9) over the Main Branch of the Chicago River will be secured to masted navigation and scaffolding that hangs approximately 4 feet below low steel will be installed under the secured leaf. Six 40 foot by 10 foot modular barges will be working around the bridge. The barges will move to accommodate vessels if a 30-minute advance notice is provided on VHF-FM Marine Radio channel 16.

From July 15, 2019 through July 26, 2019 between the hours of 0800 and 1600 daily, a HARCON Bridge inspection vessel will be working under the Bryn Mawr Avenue Bridge at Mile 10.0 and the Devon Avenue Bridge at Mile 11.01 both over the North Shore Channel. The HARCON will monitor VHF-FM Marine Channel 16 and will move to accommodate vessels.

From September 18 through September 20, 2019 between the hours of 0700 and 1500 each day, inspectors will use snooper trucks under the Kedzie Avenue Bridge at Mile 16.01 (CORPS MILE 317.0) over the Calumet-SAG Channel. Spotters will warn of approaching vessel and will move the man lift to allow vessels to pass.

From July 19, 2019 through September 16, 2019 contractor will be installing the Addison Under Bridge at Mile 7.55 over the North Branch of the Chicago River. A 120 foot by 55 foot barge will be working at the bridge and false work that hangs approximately 10 feet lower that the Addison Bridge, will be constructed across the river to accommodate the concrete pour. A 35 foot horizontal channel will be maintained through the construction area and marked by steady burning red lights with green center channel lights mounted to the falsework.

From August 5 through August 19, 2019 between the hours of 0600 and 1800 Monday through Saturday, a 100 foot by 35 foot barge will be inspecting the bridges from 92nd Street Bridge at Mile 0.76 (CORPS MILE 332.4) over the Calumet River to the Indiana Avenue Bridge at Mile 10.80 (CORPS MILE 322.3) over the Little Calumet River. The barge will monitor VHF-FM Marine Channel 16 and will move with a 1-hour advance notice.

From August 12 through August 16, 2019 between the hours of 0700 and 1800, each day inspectors will utilize snooper trucks under the Chicago Skyway Bridge at Mile 1.50 (CORPS MILE 331.7) over the Calumet River. Spotters will warn of approaching vessels and move the man lifts to allow vessels to pass. A small safety vessels will be used around the piers.

From August 14 through August 16, 2019 between the hours of 0700 and 1530 each day, the 95th Street Bridge at Mile 1.09 (CORPS MILE 332.1) over the Calumet River will require a 1-hour advance notice for openings. Mariners should provide advance notice directly to the drawtender on VHF-FM Marine Channel 16.

From August 15 through August 30, 2019 between the hours of 0600 and 1800 Monday through Saturday, a 100 foot by 35 foot barge will be inspecting the following bridges:
LAKE MICHIGAN – IL – Chicago Sanitary and Ship Canal – Chart 14927 – Bridge Inspection
From the South Western Avenue Bridge at Mile 6.7 (CORPS MILE 320.6) to the South Cicero Avenue Bridge at Mile 10.0 (CORPS MILE 317.3) over the Chicago Sanitary and Ship Canal. The barge will monitor VHF-FM Marine Channel 16 and will move with a 1-hour advance notice.

LAKE MICHIGAN – IL – Calumet-SAG Channel – Chart 14927 – Bridge Inspection
On August 2, 2019 between the hours of 0800 and 1430 inspectors will utilize snooper trucks under the Cicero Avenue Bridge at Mile 18.08 (CORPS MILE 314.9) over the Calumet-SAG Channel. Spotters will warn of approaching vessels and move the man lift to allow vessels to pass.

LAKE MICHIGAN – IN – Indiana Harbor Canal – Chart 14927 – Bridge Construction
From September 1 through October 31, 2019, Monday through Saturday, 0700 to 1900, daily a 120 foot by 110 foot barge will be constructing the new Cline Avenue Bridge at Mile 1.61 over the Indiana Harbor Canal. The barge will monitor VHF-FM Marine channel 16 and will move with a 1-hour advance notice of arrival. Steady burning yellow lights on the new drawspan will warn mariners of the available vertical clearance during construction.

LAKE MICHIGAN – PORT WASHINGTON-MI
FROM JULY 1, 2019 TO AUGUST 31, 2019, A WAVE SENSOR WILL BE POSITIONED AT THE NORTH END OF PORT WASHINGTON HARBOR IN APPROXIMATE POSITION 43°23.52N, 087°51.70W APPROXIMATELY 700 FEET FROM THE SHORE OF THE WASTE WATER TREATMENT PLANT. THE SENSOR WILL BE LOCATED IN APPROXIMATELY 30' OF WATER AND WILL BE LIGHTED BY A FLASHING AMBER LIGHT OF 2.5 SECOND DURATION. MARINERS ARE URGED TO USE CAUTION, AND REFRAIN FROM MOORING ON THE STRUCTURE. IF YOU HAVE ANY QUESTIONS OR FOR FURTHER DETAILS, CONTACT SECTOR LAKE MICHIGAN AT (414)747-7182 OR VIA CHANNEL 16 VHF FM.

LAKE MICHIGAN – WI – Milwaukee Harbor – Chart 14924 – Bridge Maintenance
From July 15 through August 2, 2019, from 2330 to 1030 daily the Water Street Bridge at Mile 0.94 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.

ILLINOIS RIVER - MARSEILLES AND STARVED ROCK LOCK AND DAM
Marseilles Lock, MM 244.6 and Starved Rock Lock MM 231.0 will be closed to all navigation starting at 1:00 a.m. on Friday August 16, 2019 through 11:50 p.m. on Thursday August 29, 2019. The simultaneous closure of multiple locks will provide time for much needed critical repairs and maintenance while reducing impacts to navigation. All lock and dam facilities on the Illinois Waterway have a single lock chamber for passing vessels. During the scheduled closures, no vessels will be able to pass through the affected locks. Recreational and commercial vessels will be able to navigate within the pools without restriction. Mariners are requested not to tie up along the guide walls during these periods unless instructed by lock staff. Please contact the Illinois Waterway Project Office at (309) 676-4601 for further information.

ILLINOIS RIVER - MARSEILLES AND STARVED ROCK LOCK AND DAM
Partial closures for Starved Rock and Marseilles Lock and Dam from July 8 2019 to August 16 2019. During this partial closure the Locks will be operational from 6 a.m. to 6 p.m. with a 70-ft width restriction and no ability to pull unpowered barges. Assist boats will be required. Mariners are requested not to tie up along the guide walls during these periods unless instructed by lock staff. Please contact the Illinois Waterway Project Office at (309) 676-4601 for further information.

ILLINOIS RIVER - MARSEILLES AND STARVED ROCK LOCK AND DAM
Partial Closure for Starved Rock and Marseilles Lock and Dam from August 30 2019 to August 31 2019. During this partial closure the Locks will be operational from 6 a.m. to 6 p.m. with a 70-ft width restriction and no ability to pull unpowered barges. Assist boats will be required. Mariners are requested not to tie up along the guide walls during these periods unless instructed by lock staff. Please contact the Illinois Waterway Project Office at (309) 676-4601 for further information.

ILLINOIS RIVER - LOCKPORT LOCK AND DAM
Full Closure for Lockport Lock and Dam. Lockport Lock and Dam MM 291.0 will be closed to all navigation starting at 6:00 a.m. on Friday August 16, 2019 through 6:00 p.m. on Thursday August 29, 2019. The purpose for the closure is to dewater the Lock Chamber to provide time for much needed critical repairs and maintenance while reducing impacts to navigation. These repairs cannot currently be made without dewatering the Lock Chamber. During the scheduled closures, no vessels will be able to pass through the affected locks. Mariners are requested not to tie up along the guide walls during these periods unless instructed by lock staff. Please contact the Illinois Waterway Project Office at (309) 676-4601 for further information.

LAKE MICHIGAN – WI – Milwaukee Harbor – Chart 14924 – Bridge Maintenance
From June 17, 2019 through February 28, 2020 the Michigan Street Bridge at Mile 1.37 over the Milwaukee River will be locked in the fully open position. Due to a complete power loss the regular bridge lighting will be supplemented with steady burning yellow lights on the bottom of low steel to show the vertical clearance. Two 40 foot by 20 foot barges will be working under the navigation span, from 0500 to 1900, Monday through Saturday. The barges will move to accommodate vessels if a 1-hour advance notice is provided. Mariners should provide advance notice by calling: 262.366.5360. From September 1, 2019 through February 28, 2020 scaffolding will be installed that extends approximately 2 feet below low steel except under the navigation span where the scaffolding will extend approximately 1 foot below low steel.

May 29 through August 19, 2019 barges will be assisting in the rehabilitation of the M28 Bridge near the mouth of Sand Creek. A 25 foot wide channel will be maintained through the construction area for vessels to pass under the bridge.

From July 9 through July 26, 2019 between the hours of 0700 and 1600, Monday through Friday inspectors will utilize four Snooper trucks under the John A. Blatnik / 1-535 Bridge over the Duluth-Superior Harbor and over Howards Bay. Spotters will warn of approaching vessels and move the man lifts to allow vessels to pass.

From August 11 through August 13, 2019 from 0600 to 2100 each day, The Minnesota Slip Bridge at the mouth of the Minnesota Slip, will open for vessels on the quarter hour and three-quarter hour. Vessels able to pass under the bridge without an opening may do so at any time.

From May 1 through December 31, 2019 eight 80 foot x 80 foot barges will be working in the river in addition to a 100’ x 60’ causeway extending from the U.S. Shoreline to accommodate building the new International Bridge across the Rainy River between Baudette, Minnesota, and Rainy River, Ontario, Canada at Mile 14.1 over the Rainy River at Baudette, MN. A 200 foot wide channel will be available for vessels to pass through the construction area.

### SECTION VIII - LIGHT LIST CORRECTIONS

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Name and Location</th>
<th>Position</th>
<th>Characteristic</th>
<th>Height</th>
<th>Range</th>
<th>Structure</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>8755</td>
<td>GROSSE POINT YACHT CLUB LIGHT</td>
<td>42-26-06.000N 082-52-21.000W</td>
<td>Fl W 2.5s</td>
<td>65</td>
<td>20</td>
<td>Square skeleton tower Private Aid. with building attached.</td>
<td>31/19</td>
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<tr>
<td>14965</td>
<td>Keweenaw Waterway Buoy 36</td>
<td>47-07-26.763N 088-33-08.529W</td>
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<td></td>
<td></td>
<td>Red nun.</td>
<td>31/19</td>
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<tr>
<td>15220</td>
<td>ONTONAGON HARBOR EAST BREAKWATER LIGHT</td>
<td>46-52-47.040N 089-19-47.786W</td>
<td>Iso G 6s</td>
<td>25</td>
<td>6</td>
<td>SG on pile.</td>
<td>31/19</td>
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<tr>
<td>15375</td>
<td>Ashland Harbor Buoy 5</td>
<td>46-35-52.722N 090-53-30.946W</td>
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<td></td>
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<td>Green can.</td>
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<tr>
<td>16491</td>
<td>MCQUADE ROAD SMALL CRAFT HARBOR LIGHT</td>
<td>46-52-49.269N 091-55-12.904W</td>
<td>Fl R 4s</td>
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<td></td>
<td>On single pole. Maintained from Apr. 1 to Dec. 31. Private Aid.</td>
<td>31/19</td>
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<tr>
<td>No.</td>
<td>Name and Location</td>
<td>Position</td>
<td>Characteristic</td>
<td>Height</td>
<td>Range</td>
<td>Structure</td>
<td>Remarks</td>
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<tr>
<td>16492</td>
<td>Mcquade Road Small Craft Harbor Day Beacon</td>
<td>46-52-48.022N 091-55-11.412W</td>
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<td>16690</td>
<td>Siskiwit Bay Passage Buoy 1</td>
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<td>16695</td>
<td>Siskiwit Bay Passage Lighted Buoy 2</td>
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<tr>
<td>17075</td>
<td>Four Mile Bay Buoy 2</td>
<td>48-52-59.704N 094-41-12.809W</td>
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<td>17079</td>
<td>Four Mile Bay Buoy 6</td>
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<td>17080</td>
<td>Four Mile Bay Buoy 8</td>
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<td>17095</td>
<td>Baudette Harbor Buoy 1</td>
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<td>17105</td>
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</table>

D. L. Cottrell, RDML
U. S. Coast Guard
Commander, Ninth Coast Guard District
**SUMMARY OF DREDGING/CONSTRUCTION OPERATIONS IN EFFECT**

**SECTOR BUFFALO**

The LNM column is where the entry originally appeared. The dates listed are tentative.

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>LNM</th>
<th>SUBJECT</th>
<th>HOURS/DAYS</th>
<th>FROM-TO</th>
<th>POC</th>
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<td>NEW YORK STATE BARGE CANAL</td>
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<tr>
<td>LAKE ONTARIO</td>
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<td>LAKE ERIE</td>
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<tr>
<td>Maumee</td>
<td>41/18</td>
<td>Construction</td>
<td>0700-1900 M-F</td>
<td>1 Dec-31 Sep</td>
<td>Roy Bottenger</td>
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**DREDGING**

LNM 31/19
## SUMMARY OF DREDGING/CONSTRUCTION OPERATIONS IN EFFECT
### SECTOR DETROIT
The LNM column is where the entry originally appeared. The dates listed are tentative

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>LNM</th>
<th>SUBJECT</th>
<th>HOURS/DAYS</th>
<th>FROM-TO</th>
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<td>DETROIT RIVER</td>
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<tr>
<td>River Rouge</td>
<td>20/19</td>
<td>Dredging</td>
<td>0700-1900</td>
<td>1 Jun-1 Nov</td>
<td>Joseph Bailey</td>
<td>231-206-1379</td>
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<td>LAKE ST. CLAIR</td>
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<tr>
<td>Lake St. Clair</td>
<td>12./19</td>
<td>Dredging</td>
<td>24hrs/7days</td>
<td>31 May-15 Aug</td>
<td>Jonathan Wilson</td>
<td>231-944-2882</td>
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<td>Lake Huron</td>
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<tr>
<td>Saginaw Bay</td>
<td>30/19</td>
<td>Construction</td>
<td>0700-1900</td>
<td>31 JUL-30 AUG</td>
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**STRAITS OF MACKINAC**
## SUMMARY OF DREDGING/CONSTRUCTION OPERATIONS IN EFFECT
### SECTOR SAULT SAINTE MARIE
The LNM column is where the entry originally appeared. The dates listed are tentative

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>LNM</th>
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<th>HOURS/DAYS</th>
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<td><strong>STRAITS OF MACKINAC</strong></td>
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<tr>
<td><strong>GREEN BAY</strong></td>
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<tr>
<td><strong>LAKE SUPERIOR</strong></td>
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<tr>
<td>Keweenaw Stamp Sands</td>
<td>19/19</td>
<td>Sediment coring and dredging</td>
<td>22 APR- 31 JUL</td>
<td>24hrs/7 days</td>
<td>Kent Petersen 715-356-7311</td>
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## SUMMARY OF DREDGING/CONSTRUCTION OPERATIONS IN EFFECT
### SECTOR LAKE MICHIGAN

The LNM column is where the entry originally appeared. The dates listed are tentative.

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<tr>
<th>LOCATION</th>
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<th>SUBJECT</th>
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<tr>
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<td>30/19</td>
<td>Construction</td>
<td>7 days 0700-1900</td>
<td>25 JUL-31 DEC</td>
<td>Dave Herweyer 616-836-6551</td>
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**GREEN BAY**
**Great Lakes-Marine Event-Safety Zones-Security Zones**

**Sector Buffalo**

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

<table>
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<tr>
<th>Location</th>
<th>LNM</th>
<th>Name of Event</th>
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<th>POC</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Lake Ontario</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Oswego, NY</td>
<td>23/19</td>
<td>Sail Oswego Regatta</td>
<td>26Jul19 - 27Jul19</td>
<td>0800 - 1600</td>
<td>Fred Suppon</td>
<td>315-657-4433</td>
</tr>
<tr>
<td>Oswego, NY</td>
<td>23/19</td>
<td>Oswego Harborfest</td>
<td>27Jul19 rain date 28Jul19</td>
<td>2130 - 2200</td>
<td>Leslie M. Fernandez</td>
<td>631-286-0088</td>
</tr>
<tr>
<td>Lake Erie</td>
<td></td>
<td></td>
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<tr>
<td>Ashtabula, OH</td>
<td>19/19</td>
<td>Perch and Pilsner Ski Show</td>
<td>7-Sep</td>
<td>1200-1800</td>
<td>Wendy DuBey</td>
<td>440-812-5524</td>
</tr>
<tr>
<td>Cleveland, OH</td>
<td>19/19</td>
<td>Cleveland Air Show</td>
<td>31 Aug-02 Sep</td>
<td>0900-1800</td>
<td>Leslie King</td>
<td>216-781-0747</td>
</tr>
<tr>
<td>Cleveland, OH</td>
<td>22/19</td>
<td>Triathlon</td>
<td>9-11-Aug Various</td>
<td></td>
<td>Brian D'Amico</td>
<td>719-510-6635</td>
</tr>
<tr>
<td>Fairview, PA</td>
<td>23/19</td>
<td>Lake Erie Marathon Swim</td>
<td>1Jul19 - 31Aug19</td>
<td>Varies</td>
<td>Josh Heynes</td>
<td>814-602-5504</td>
</tr>
<tr>
<td>Grand River</td>
<td>19/19</td>
<td>Grand River Regatta</td>
<td>16-Aug</td>
<td>0900-1600</td>
<td>Paul Mathews</td>
<td>440-289-5262</td>
</tr>
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</table>

**LNM 31/19**
### GREAT LAKES-MARINE EVENT-SAFETY ZONES-SECURITY ZONES

#### SECTOR DETROIT

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

<table>
<thead>
<tr>
<th>Location</th>
<th>LNM</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Sandusky, OH</td>
<td>30/19</td>
<td>SJRT Junior Sail</td>
<td>27-Jul-19</td>
<td>0830-1700</td>
<td>Jim Keane</td>
<td>419.366.8996</td>
</tr>
<tr>
<td>Sandusky, OH</td>
<td>30/19</td>
<td>Deepwater Steeplechase</td>
<td>1-Aug-19</td>
<td>0900-1500</td>
<td>Jim Keane</td>
<td>419.366.8996</td>
</tr>
<tr>
<td>Huron, OH</td>
<td>30/19</td>
<td>All Huron Classic Fireworks</td>
<td>3-Aug-19</td>
<td>2130-2200</td>
<td>Dan Fisher</td>
<td>330.414.1793</td>
</tr>
<tr>
<td>Sandusky, OH</td>
<td>31/19</td>
<td>Deepwater Steeplechase</td>
<td>1-Aug</td>
<td>0900-1500</td>
<td>Jim Keane</td>
<td>419-366-8996</td>
</tr>
<tr>
<td>Huron, OH</td>
<td>31/19</td>
<td>Fireworks</td>
<td>3-Aug</td>
<td>2130-2115</td>
<td>Dan Fisher</td>
<td>330-414-1793</td>
</tr>
<tr>
<td>Sandusky, OH</td>
<td>31/19</td>
<td>Sturgeon Moon Light Race</td>
<td>17-Aug</td>
<td>1800-2300</td>
<td>Jim Keane</td>
<td>419-366-8996</td>
</tr>
<tr>
<td>Toledo, OH</td>
<td>31/19</td>
<td>Fireworks</td>
<td>17-Aug</td>
<td>2100-2115</td>
<td>Joe Hough</td>
<td>419-382-3416</td>
</tr>
<tr>
<td>Sandusky, OH</td>
<td>31/19</td>
<td>Cruiser Fun Run 2</td>
<td>17-Aug</td>
<td>1200-1700</td>
<td>Larry Hurst</td>
<td>614-395-8035</td>
</tr>
</tbody>
</table>

#### LAKE ERIE

<table>
<thead>
<tr>
<th>Date</th>
<th>Name of Event</th>
<th>Time of Event</th>
<th>POC</th>
<th>POC #</th>
</tr>
</thead>
<tbody>
<tr>
<td>21/19</td>
<td>Bayview Y Club Friday Fights</td>
<td>Fridays 1800-2200</td>
<td>Tracy Girard</td>
<td>313-568-9564</td>
</tr>
<tr>
<td>21/19</td>
<td>Bayview Thursday races</td>
<td>Thursdays 1800-2000</td>
<td>Tracy Girard</td>
<td>313-568-9564</td>
</tr>
<tr>
<td>24/19</td>
<td>Pine Street Paddle</td>
<td>Wednesdays 1800-2000</td>
<td>Tracy Girard</td>
<td>313-568-9564</td>
</tr>
<tr>
<td>24/19</td>
<td>Belle Isle Sunset Tour</td>
<td>Thursdays 1800-2030</td>
<td>Tracy Girard</td>
<td>313-568-9564</td>
</tr>
<tr>
<td>24/19</td>
<td>Detroit Yacht Club Off the Dock</td>
<td>Wednesdays 1900-2130</td>
<td>Tracy Girard</td>
<td>313-568-9564</td>
</tr>
<tr>
<td>24/19</td>
<td>Detroit Historical Canal Tour</td>
<td>Weekends 0900-1600</td>
<td>Tracy Girard</td>
<td>313-568-9564</td>
</tr>
<tr>
<td>24/19</td>
<td>BVYC Junior Program</td>
<td>M-Fs 0800-1600</td>
<td>Tracy Girard</td>
<td>313-568-9564</td>
</tr>
</tbody>
</table>

#### LAKE HURON
GREAT LAKES-MARINE EVENT-SAFETY ZONES-SECURITY ZONES
SECTOR SAULT STE MARIE
Events listed below are those events that may have accompanying special local regulations.

<table>
<thead>
<tr>
<th>Location</th>
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</tr>
</thead>
<tbody>
<tr>
<td>STRAITS OF MACKINAC</td>
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<tr>
<td>GREEN BAY</td>
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<tr>
<td>LAKE SUPERIOR</td>
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<tr>
<td>ST. MARY'S RIVER</td>
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GREAT LAKES-MARINE EVENT-SAFETY ZONES-SECURITY ZONES
SECTOR LAKE MICHIGAN
Events listed below are those events that may have accompanying special local regulations.

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<th>Time of Event</th>
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</tr>
</thead>
<tbody>
<tr>
<td>LAKE MICHIGAN &amp; Green Bay</td>
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<td></td>
</tr>
<tr>
<td>Chicago, IL</td>
<td>20/19</td>
<td>Navy Pier Fireworks</td>
<td>Weds + Sats</td>
<td>2125-2145</td>
<td>MSU Chicago</td>
<td>630-986-2155</td>
</tr>
<tr>
<td>Burnham Harbor, IL</td>
<td>20/19</td>
<td>Columbia Yacht Club Sailing Race</td>
<td>Wednesdays</td>
<td>1800-2100</td>
<td>MSU Chicago</td>
<td>630-986-2155</td>
</tr>
<tr>
<td>Lake Michigan</td>
<td>29/19</td>
<td>Hobie Fleet 126</td>
<td>20 Jul, 17 Aug, 01Sep</td>
<td>0900-1700</td>
<td>MST3 Gregory Jackson</td>
<td>414-747-7182</td>
</tr>
<tr>
<td>Michigan City</td>
<td>31/19</td>
<td>Great Lakes Grand Prix</td>
<td>03 AUG - 04 AUG</td>
<td>0845-1845</td>
<td>MSU Chicago</td>
<td>630-986-2155</td>
</tr>
</tbody>
</table>
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