LOCAL NOTICE TO MARINERS
District: 9  Week: 19/22

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*  https://www.atlanticarea.uscg.mil/Our-Organization/District-9/
*District Nine Local Notice to Mariners email Address* D09-DG-District-D9-LocalNoticetoMariners@uscg.mil
** Navigation Information Service watchstander, 24 hours a day at (703) 313-5900 **
**Internet Address**  https://www.navcen.uscg.gov/

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 - B038-22 through B043-22
Ninth District - C056-22 through C056-22
Sector Detroit, MI - D027-22 through D031-22
Sector Lake Michigan, WI - M095-22 through M103-22
Sector Sault Ste Marie, MI - S057-22 through S063-22

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
DBN/Dbn - Daybeacon
DBD/DAYBD - Dayboard
DEFAC - Defaced
DEST - Destroyed

I through O

I - Interrupted
ICW - Intracoastal Waterway
IMCH - Improper Characteristic
INL - Inlet
INOP - Not Operating
INT - Intensity
ISL - Islet
Iso - Isophase
kHz - Kilohertz

L through Z

LBB - Lighted Bell Buoy
LHB - Lighted Horn Buoy
LWB - Lighted Whistle Buoy

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
RFL - Range Front 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
s - seconds
SEC - Section
SHL - Shoaling
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.

CANCELLATION OF NOAA PAPER AND RASTER NAUTICAL CHARTS

The National Oceanic and Atmospheric Administration (NOAA) is undertaking a multi-year program to end production and maintenance of its suite of over 1,000 traditional paper nautical charts and all associated raster chart products and services, including: Print-on-Demand (POD) paper nautical charts, Full-size chart PDF files, BookletChart™ PDF files, NOAA raster navigational charts (NOAA RNC®), the NOAA RNC tile service, and the online RNC viewer.

Six months notice of the intent to cancel a specific chart is provided in a "Last Edition" notice. The final cancellation of a chart is made in a "Canceled" notice. Both types of notices will appear in LNM Section IV, "Chart Correction." A comprehensive list of all canceled NOAA charts is available at: http://www.charts.noaa.gov/MCD/Dole.shtml.

Traditional paper nautical chart production is ending to enable the creation and maintenance of larger scale, more up-to-date, higher quality coverage of NOAA's electronic navigational chart (NOAA ENC®) product. This will significantly enhance the amount of charted detail available to mariners. More information about NOAA's program to sunset traditional paper charts is on the NOAA Coast Survey website at: https://nauticalcharts.noaa.gov/charts/farewell-to-traditional-nautical-charts.html.

An online NOAA Custom Chart application at: https://devgis.charttools.noaa.gov/pod is available to create chart images from ENC data, which may then be printed. Notices to Mariners will not be issued for NOAA Custom Charts.

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/
**Navigation Center Website Transition**

The U.S. Coast Guard Navigation Center is going to transition the Navigation Center website to a new, enhanced version in the first quarter of 2022. As part of this transition, URLs will be updated across the site including URLs linked to PDFs. Therefore, once the transition is complete, legacy site URLs will no longer function, including bookmarked URLs and URLs used in automatic downloading of data and/or products. Outdated URLs will automatically redirect to the home page of the site, and from there you will be able to easily navigate to your preferred page.

Below are a few of the "old"/new URL pairs listed for your convenience. Please note that the new URLs will not be active until we launch the new website. Of course, once it is launched, the new URLs will be available for re-bookmarking. As a reminder, these are top level URLs that may contain additional links that you use.

This notice will be updated when the final launch date is determined and another notice will be issued to notify you when the site goes live. Questions/concerns may be directed to the NAVCENWebTEAM@uscg.mil.

**Local Notices to Mariners (LNMs)**
Current URLs: https://www.navcen.uscg.gov/?pageName=lnmMain
Replacement: https://www.navcen.uscg.gov/local-notices-to-mariners-by-cg-district

**Light Lists Annual Publication**
Current URLs: https://navcen.uscg.gov/?pageName=lightLists
Replacement: https://www.navcen.uscg.gov/light-list-annual-publication

**Light List - Weekly**
Current URLs: https://navcen.uscg.gov/?pageName=lightListWeeklyUpdates
Replacement: https://www.navcen.uscg.gov/weekly-light-lists

**Light List - Corrections**
Current URLs: https://navcen.uscg.gov/?pageName=lightListCorrections
Replacement: https://www.navcen.uscg.gov/light-list-summary-of-corrections

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**GREAT LAKES - Great Lakes Water Levels**

See Enclosure 1

The current and four week expected water level table for the Great Lakes, Connecting Channels and the St. Lawrence River, will be published in Enclosure 1 following SECTION VIII - LIGHT LIST CORRECTIONS of the Local Notice to Mariner or by visiting the link below:


**ANTICIPATED DELAY IN THE COMMISSIONING OF AIDS-TO-NAVIGATION**

A delay is anticipated in the commissioning of Aids-to-Navigation in throughout the Great Lakes, connecting waterways, and adjacent rivers and harbors. All mariners are requested to transit these areas with caution.

**ST. MARYS RIVER SYSTEM - DE TOUR PASSAGE TO WHITEFISH BAY - Charts 14882,14883,14884**

Due to unusually high water levels, SOO Traffic requests all mariners transiting the St. Marys River System to monitor their speed and corresponding wake to protect the shoreline.

**ST. MARYS RIVER - AMERICAN CANAL - CHART 14884**

Northeast Pierhead Light (LLNR 14205) The U. S. Army Corps of Engineers will be relocating this light to the top of their new camera tower. As soon as the position and height of the light’s new location is confirmed it will be advertised in Section VIII - Light List Corrections of the LNM.

**LAKE ERIE - BUFFALO HARBOR - Chart 14833**

North Entrance Light "7" (LLNR 2720) The light has been temporarily discontinued due to construction on the breakwater. A temporary light without day marks and lowered focal plane has been established in position 42-52°50.220"N / 078-53°45.474"W. The characteristic is FL G 2.5s. Another lantern was mounted on the Northwest end of the breakwater in position 42-53°4.590"N / 078-54°05.880"W. The characteristic of this light is QW.
LAKE MICHIGAN – New Buffalo Harbor - Chart 14905
Shoaling has been reported near the middle of the channel immediately inside the break wall in New Buffalo Harbor, MI. The actual water depth is currently significantly below the charted depth. Mariners are urged to use caution when transiting the area. For further details, contact Sector Lake Michigan at (414) 747-7182 or VHF channel 16.

LAKE MICHIGAN – WAUKEGON TO SOUTH HAVEN – CHART 14905
Michigan City – Two red nun unlighted buoys have been established in the following positions to best mark shoaling in Michigan City Harbor. The buoys are located across the channel from the Michigan City Outer Basin Light (LLNR 19570). The buoys positions may change as the shoaling changes.

Michigan City Buoy “2” 41-43-30.719N / 086-54-32.796W
Michigan City Buoy “4” 41-43-28.625N / 086-54-31.842W

LAKE MICHIGAN - Waugoshance Point to Seul Choix Point - Chart 14911
The abandoned Waugoshance Lighthouse located in approximate position 45-47-20N / 085-05-28W has become structurally unsafe. Landing and embarking on the light should not be attempted because of failing structural condition and it’s in danger of collapsing. Mariners are advised to remain at least 300’ from the structure at all times.

LAKE SUPERIOR
The following NOAA Weather buoys have been commissioned for the season. Due to electronic positioning issues the buoys have been placed in their approximate position advertised in the light list.

A. NOAA LIGHTED WEATHER BUOY 45001 (LLNR 16880).
B. NOAA LIGHTED WEATHER BUOY 45004 (LLNR 16850).

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)**

<table>
<thead>
<tr>
<th>LLNR</th>
<th>Aid Name</th>
<th>Status</th>
<th>Chart No.</th>
<th>BNM Ref.</th>
<th>LNM St</th>
<th>LNM End</th>
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<td>30</td>
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<td>530</td>
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<td>655</td>
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<td>3520</td>
<td>Erie Harbor Entrance Lighted Buoy 2</td>
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<td>B037-22</td>
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<td>3785</td>
<td>Ashtabula Harbor East Basin Lighted Buoy 2</td>
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<td>B009-22</td>
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<td>4655</td>
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<td>7170</td>
<td>Grosse Ile South Channel Range Rear Light</td>
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<td>Peche Island Range Front Passing Light</td>
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<td>D031-22</td>
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<td>11980</td>
<td>Indian River Daybeacon 40</td>
<td>DAYMK MISSING</td>
<td>14886</td>
<td>S062-22</td>
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<td>Winter Point Range Front Light</td>
<td>DAYMK MISSING</td>
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<td>Chart No.</td>
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<td>St. Lawrence Seaway Lighted Buoy 26</td>
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<td>St. Lawrence Seaway Lighted Buoy 50</td>
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<td>Fairport Harbor East Breakwater East End Light</td>
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<td>Raynolds Reef Buoy 1</td>
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<td>19/22</td>
<td>19/22</td>
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<td>Brush Point Range Rear Light</td>
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<td>19/22</td>
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<td>Duluth Harbor Basin Lighted Buoy 2</td>
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<td>14975</td>
<td>18/22</td>
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<td>17745</td>
<td>New Shool Lighted Bell Buoy 3</td>
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<td>14911</td>
<td>18/22</td>
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<td>18630</td>
<td>Pentwater South Pierhead Light 4</td>
<td>WATCHING PROPERLY</td>
<td>14907</td>
<td>18/22</td>
<td>19/22</td>
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</tbody>
</table>
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

<table>
<thead>
<tr>
<th>LLNR</th>
<th>Aid Name</th>
<th>Status</th>
<th>Chart No.</th>
<th>BNM Ref.</th>
<th>LNM St</th>
<th>LNM End</th>
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<td>2105</td>
<td>Oswego Harbor West Channel Light 2</td>
<td>TRLB</td>
<td>14813</td>
<td>19/22</td>
<td>17/19</td>
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<td>Buffalo Harbor North Entrance Light 7</td>
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<td>19/22</td>
<td>33/19</td>
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<td>5435</td>
<td>West Harbor Inner Channel Daybeacon 12</td>
<td>TRUB</td>
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<td>5470</td>
<td>West Harbor Inner Channel Daybeacon 14</td>
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<td>William Livingstone Memorial Light</td>
<td>Reduced Intensity</td>
<td>14853</td>
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<td>33/21</td>
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<td>9690</td>
<td>Grande Pointe Light 23</td>
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<td>47/20</td>
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<td>15220</td>
<td>Ontonagon Harbor East Breakwater Light</td>
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<td>02/22</td>
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TEMPORARY CHANGES CORRECTED

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<th>Aid Name</th>
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</tbody>
</table>
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) to be corrected. The following example explains individual elements of a typical chart correction.

<table>
<thead>
<tr>
<th>Chart Number</th>
<th>Chart Number</th>
<th>Edition</th>
<th>Last Local Notice to Mariners</th>
<th>Horizontal Datum Reference</th>
<th>Source of Correction</th>
<th>Current Local Notice to Mariners</th>
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</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>
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<tr>
<td>Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER</td>
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<tr>
<td>Main Panel 2245 NEW YORK HARBOR</td>
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<tr>
<td>(Temp) ADD NATIONAL DOCK CHANNEL BUOY 3 at 40-41-09.001N 074-02-48.001W</td>
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<td>Corrective Action</td>
<td>Green can</td>
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</tbody>
</table>

(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.

14860 37th Ed. 01-MAY-16 Last LNM: 19/22 NAD 83 19/22

Chart Title: Lake Huron
Main Panel 1312 LAKE HURON. Page/Side: A

DELETE RACON (_ _ _ )

ADD Grays Reef Light
Red with Horn Magenta circle Chart No. 1: S17.2 and label AIS
Fl R 10s
82 Ft, 14 Stat Mi

CGD09
45-45-56.622N 085-09-13.642W

14880 34th Ed. 01-OCT-19 Last LNM: 19/22 NAD 83 19/22

Chart Title: Straits of Mackinac
Main Panel 1333 STRAITS OF MACKINAC -. Page/Side: -

DELETE RACON (_ _ _ )

ADD Grays Reef Light
Red with Horn Magenta circle Chart No. 1: S17.2 and label AIS
Fl R 10s
82 Ft, 14 Stat Mi

CGD09
45-45-56.622N 085-09-13.642W

14901 18th Ed. 01-AUG-20 Last LNM: 19/22 NAD 83 19/22

Chart Title: Lake Michigan (Mercator Projection)
Main Panel 1361 LAKE MICHIGAN -. Page/Side: -

DELETE RACON (_ _ _ )

ADD Grays Reef Light
Red with Horn Magenta circle Chart No. 1: S17.2 and label AIS
Fl R 10s
82 Ft, 14 Stat Mi

CGD09
45-45-56.622N 085-09-13.642W

14902 32nd Ed. 01-NOV-20 Last LNM: 19/22 NAD 83 19/22

Chart Title: North end of Lake Michigan, including Green Bay
Main Panel 1362 NORTH END OF LAKE MICHIGAN INCLUDING GREEN BAY -. Page/Side: -

DELETE RACON (_ _ _ )

CGD09
45-45-56.622N 085-09-13.642W
14903  26th Ed.  01-AUG-20  Last LNM: 30/20  NAD 83  19/22

ChartTitle: Algoma to Sheboygan; Kewaunee; Two Rivers

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

ADD  NOAA Algoma Weather Wave Buoy 1
     at 44-20-44.040N  087-26-44.670W

14909  21st Ed.  01-FEB-16  Last LNM: 19/22  NAD 83  19/22

ChartTitle: Upper Green Bay - Jackson Harbor and Detroit Harbor; Detroit Harbor; Jackson Harbor; Baileys Harbor

CHART  UPPER GREEN BAY.  Page/Side: N/A

RELOCATE  Cedar River Buoy 11
from 45-24-23.807N to 45-24-24.490N
CGD09  087-21-02.910W  087-21-02.644W

RELOCATE  Cedar River Buoy 12
from 45-24-25.441N to 45-24-25.880N
CGD09  087-20-59.594W

RELOCATE  Cedar River Buoy 4
from 45-24-11.191N to 45-24-13.022N
CGD09  087-20-53.897W  087-20-52.406W

RELOCATE  Cedar River Buoy 6
from 45-24-18.700N to 45-24-20.770N
CGD09  087-20-55.503W

RELOCATE  Cedar River Buoy 9
from 45-24-21.790N to 45-24-24.073N
CGD09  087-21-02.563W

Main Panel 1385  UPPER GREEN BAY - MINNEAPOLIS SHOAL TO GREEN ISLAND.  Page/Side: A

RELOCATE  Cedar River Buoy 10
from 45-24-23.494N to 45-24-22.852N
CGD09  087-20-57.753W

RELOCATE  Cedar River Buoy 11
from 45-24-25.807N to 45-24-24.490N
CGD09  087-20-52.406W

RELOCATE  Cedar River Buoy 12
from 45-24-25.441N to 45-24-25.880N
CGD09  087-20-59.594W

RELOCATE  Cedar River Buoy 5
from 45-24-20.083N to 45-24-17.182N
CGD09  087-20-58.972W

RELOCATE  Cedar River Buoy 6
from 45-24-18.700N to 45-24-20.770N
CGD09  087-20-55.503W

RELOCATE  Cedar River Buoy 9
from 45-24-21.790N to 45-24-24.073N
CGD09  087-21-02.563W

14910  25th Ed.  01-NOV-18  Last LNM: 19/22  NAD 83  19/22

ChartTitle: Lower Green Bay; Oconto Harbor; Algoma

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

RELOCATE  Oconto Harbor South Pierhead Light 3
from 44-53-54.040N to 44-53-53.490N
CGD09  087-49-19.175W  087-49-20.730W

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

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  RACON ( _ _ _)  

ADD  Grays Reef Light
     Red with Horn  Magenta circle Chart No. 1: S17.2 and label AIS
     Fl R 10s
     82 Ft; 14 Stat Mi

CGD09
from 45-45-56.622N to 45-45-56.622N
085-09-13.642W
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>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Advance Notice(s)

- **LAKE HURON - HARRISVILLE TO FORTY MILE POINT - Chart 14864**
  - Presque Isle Light (LLNR 11550) Reduce the range of the light from 22 statute miles to 16 statute miles. LNM: 20/20

- **LAKE MICHIGAN –WAUGOSHANCE POINT TO CHOIX POIT – CHART 14911**
  - Lansing Shoal Light (LLNR 21535) Permanently discontinue the RACON “Y” and enhance with Synthetic AIS. LNM: 15/22

- **LAKE MICHIGAN - LITTLE BAY DE NOC - CHART 14915**
  - Escanaba Light (LLNR 21635) Change the characteristic of the light from ISO W 6s to ISO G 6s LNM: 49/20

- **LAKE SUPERIOR – ASHLAND HARBOR AND WASHBURN HARBORS – CHART 14974**
  - The following buoys in Ashland Harbor will be seasonally maintained from May 21 to Oct 21. The buoys will not be winter marked.
    - Ashland Harbor Lighted Buoy “1” (LLNR 15355)
    - Ashland Harbor Buoy “2” (LLNR 15360)
    - Ashland Harbor Buoy “3” (LLNR 15365)
    - Ashland Harbor Lighted Buoy “4” (LLNR 15370)
    - Ashland Harbor Buoy “5” (LLNR 15375) LNM: 35/21

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>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Proposed Change Notice(s)

- **LAKE ERIE – SOUTH SHORE OF LAKE ERIE – CHART 14842**
  - Squaw Island Light (LLNR 5085) Change the name of the aid to Muddy Creek Light (LLNR 5085) LNM: 18/22

- **ST. MARYS RIVER – DE TOUR PASSAGE TO MUNUSCONG LAKE – CHART 14882**
  - Squaw Island Light "4" (LLNR 12895) Change the name to St Marys River Light "4" (LLNR 12895) LNM: 18/22

- **LAKE MICHIGAN – WAUGOSHANCE POINT TO CHOIX POIT – CHART 14911**
  - Squaw Island Shoal Buoy "2" (LLNR 21560) Change the name to Garden Island Buoy "2" (LLNR 21560) LNM: 18/22
  - Squaw Island Shoal Buoy “1” (LLNR 21565) Change the name to Garden Island Buoy “1” (LLNR 21565) LNM: 18/22

- **GREEN BAY – LITTLE BAY DE NOC – CHART 14915**
  - Squaw Point Lighted Buoy “12” (LLNR 14915) Change the name to Little Bay De Noc Lighted Buoy “12” (LLNR 21690) LNM: 18/22

- **LAKE SUPERIOR – DULUTH SUPERIOR HARBOR - Chart 14975**
  - Duluth Harbor Basin Traffic Lighted Buoy (LLNR 15870) Permanently discontinue the physical and continue the aid as a Virtual AIS MMSI 993672226. LNM: 10/22

- **MINNESOTA-ONTARIO BORDER LAKES – NAMAKAN LAKE – CHART 14994**
  - LNM: 19/22
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.

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
The Ninth Coast Guard District will be reviewing the following waterways beginning in 2022. The study focuses primarily on aids to navigation in the waterway. Public comments are an important tool in this process so that we can provide the adequate markings and the right mix of signals to a waterway for safe navigation. Comments on the below listed waterways can be sent to william.d.sharp@uscg.mil or by calling (216) 902-6070. You may also complete the survey attached to the Local Notice to Mariner and either email it or mail it to: Commander (dpw), Ninth Coast Guard District, 1240 East Ninth St., Cleveland, Ohio 44199.

Sackets Harbor
(LLNR 1755-2024.9)
Buffalo Harbor/Black Rock Canal
(LLNR 2665-3360)
Dunkirk Harbor
(LLNR 3365-3492)
Erie Harbor
(LLNR 3495-3696)
Conneaut Harbor
(LLNR 3700-3735)
Ashtabula Harbor
(LLNR 3740-3830)
Fairport Harbor
(LLNR 3835-3955)
Cleveland Harbor
(LLNR 3975-4260)
Huron Harbor
(LLNR 4430-5455)
Erie Islands
(LLNR 5520-6025)
Detroit River / East Outer Channel
(LLNR 6885-8270)
St. Clair Rec/Belle Isle Channel
(LLNR 8280-8396)
Lake St. Clair
(LLNR 8665-9300)
Anchor Bay
(LLNR 9305-9565)
Toledo / Maumee Channel
(LLNR 6030-6455)
Monroe Harbor
(LLNR 6460-6680)
St. Clair River / Huron Cut
(LLNR 9570-10090)
St. Mary’s River
(LLNR 12765-13755)
Lake Nicolet / Bayfield Channel
(LLNR 13955-14192)
Keweenaw Waterway
(LLNR 14725-15250)
Knife River / Two Harbors
(LLNR 16495-16580)
Straits of Mackinaw Western Section
(LLNR 17720-17850)
(LLNR 21525-21580)
Sturgeon Bay Ship Canal
(LLNR 20990-21225)
Green Bay Entrance
(LLNR 21905-22360)
M.I.R.
(LLNR 11780-12170)
Marquette Harbor
(LLNR 14620-14720)
Apostle Islands
(LLNR 15255-15590)
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 that some events may require temporary aids to navigation that are not displayed on a chart or in the Light List, and that they should exercise additional caution while operating in the vicinity of a scheduled marine event.
LNM: 24/13

LAKE ONTARIO-Rochester Harbor-Chart 14815
From 23 May 2022 to15 Sep 2022 Great Lakes Dock and Materials LLC will be conducting pier repairs at the Rochester Harbor East Pier in Charlotte NY. Hours of operation is 24 hours a day 7 days a week. Tug Duluth, Barge Jacqulyn, Barge Hannah Avery, and GLDM can be contacted on VHF channels 7 and 16. All traffic should stay clear of the Operations if possible. Please have positive contact with equipment, marine equipment shall be located near east pier in Rochester Harbor, both channel and Lake Ontario sides of pier. Marine equipment will traverse in and out of the harbor daily.
LNM: 19/22

LAKE ERIE – OH - Ashtabula Harbor – Chart 14836
Construction of submerged breakwater in Ashtabula Harbor remains partial unfinished. Buoys are unlighted marking the hazard of the breakwater. Buoys may change position as seasonal weather changes. Current positions as follows:

Buoy "1" 41-55-07.841N / 080-47-25.303W
Buoy "2" 41-54-58.921N / 080-47-16.850W
Buoy "3" 41-54-58.281N / 080-47-14.290W
Buoy "4" 41-54-56.304N / 080-47-14.726W
Buoy "5" 41-54-56.307N / 080-47-11.234W
Buoy "6" 41-54-58.474N / 080-47-02.054W

Mariners are advised to remain at least 300' from the breakwater. All mariners are requested to transit the area with caution.
LNM: 43/21

LAKE ERIE – Western Basin – Chart 14839
From 92 May 2022 to 30 Sep 2022 NOAA Ship Thomas Jefferson will be conducting hydrographic survey operations in the vicinity of Cleveland, Erie, and South Passage. Hours of operation are 24 hours a day 7 days a week. Gear may be towed astern. The ship and TJ small boats (TJ2903 and TJ2904) can be contacted on VHF channels 13 and 16. All mariners are requested to transit the area with caution.
LNM: 18/22

LAKE ERIE – OH – Cuyahoga River – Chart 14839
From 1 May 2022 to 15 June 2022 the Ryba Marine Construction CO will be conducting maintenance dredging in the Cuyahoga River. Hours of operation are 24 hours a day 7 days a week. Tug Kathy Lynn can be contacted on VHF channels 13 and 16. All mariners are requested to transit the area with caution.
LNM: 17/22

LAKE ERIE – OH – Vermilion Harbor – Chart 14826
The U.S. Army Corps of Engineers has reported a water depth as shallow as 9ft within the federal channel IVO the north west corner of the Vermilion East Pier Break Wall in approximate position 41-25.70N, 082-21.82W due to repairs. All mariners are requested to transit the area with caution and contact the U.S. Army Corps of Engineers with any inquiries at 1-800-833-6390, option 3.
LNM: 06/22

DETROIT RIVER – MI – Trenton Channel – Chart 14853 - Hazard to Navigation
The Coast Guard has received a report of a 4-foot tall boulder in the navigation channel of the Grosse Isle Parkway Bridge (Free) at Mile 5.60, over
DETROIT RIVER – MI – Trenton Channel – Chart 14853 - Hazard to Navigation
the Detroit River, Trenton Channel. Mariners should use caution and report any information about the boulder to the nearest Coast Guard unit.

LAKE ST. CLAIR - MI - St. Clair Shores, MI - Chart 14850
E. C. Kozneffes Co. will be installing boardwalks and piers into Lake St. Clair at Blasset and Heath Park from 13 Sep. 21 to 1 July 22 from 0700 to 1900 Monday through Saturday. Tug Captain Dave and barge Comanche can be contacted on VHF channels 13 & 16. All mariners are requested to transit the area with caution.

LAKE HURON – MI – Saginaw River – Chart 14867
From 1 April 2022 to 15 July 2022 Luedtke Engineering Co. will be conducting maintenance dredging near the mouth of the Saginaw River. Hours of operation are 24 hours a day 7 days a week. Tug Paul Luedtke can be contacted on VHF channels 10, 16, and 19. All mariners are requested to transit the area with caution.

LAKE MICHIGAN – Western Lake Michigan– CHART 14903, 14906
Kokosing-Alberici LLC will commence construction on the New Soo Lock Upstream Approach Walls April of 2021. Construction activities will be generally limited to the upstream north channel approach to the decommissioned Sabin and Davis Locks. Delivery by barge and boat of materials, equipment and crew will cross the upstream approach to the Soo Locks navigation channel throughout construction. Operations will commence from 25 Mar 21 to 15 Oct 23 Monday through Saturday 24 hours a day.

STRAITS OF MACKINAC - Point LaBarbe to Point Emmet - Chart 14881
From 15 Apr 2022 to 31 Dec 2022 Kokosing Industrial Durocher Marine Division will be conducting backfill operations to protect new American Transmission Company 138kv submarine power cables installed in 2021. Hours of operation are 24 hours a day 7 days a week. Tugs Valerie B, Nancy Anne, Champion, General, Barges Kokosing I, Kokosing III, Kokosing IV, D-2002, D-2006, crew boat Timmy V and 24’ work boat will be on scene and monitoring VHF channels 13 and 16. All vessels are requested to remain 1500’ (500-yard safety zone) away from construction vessels and transit the area with caution.

STRAITS OF MACKINAC - Chart 14881
From 6 May 2022 to 30 June 2022 the Ryba Marine Construction Co. will be conducting dock and sheet pile wall repairs in the Mackinac Harbor, Mackinac Island MI. Hours of operation are from 0700- 2000 7 days a week. Tug Rochelle Kaye can be contacted on VHF channels 13 and 16 or via cell at (231) 420-4352. All mariners are requested to transit the area with caution.

STRAITS OF MACKINAC - Chart 14881
From 01 June 2022 to 01 July 2022 Kokosing Industrial INC will be conducting underwater ROV and AUV inspection of line 5 Dual Pipelines in the Straits of Mackinac. Hours of operation are from 0700 to 1900 Monday through Saturday. Tug Nancy Anne can be contacted on VHF channels 8 and 16. Nearby Vessels shall maintain 1500-foot exclusion Zone. All mariners are requested to transit the area with caution.

LAKE MICHIGAN – Western Lake Michigan – Chart 14903, 14906
From 02 May 2022 to 31 Aug 2022 Geodynamics will be conducting hydrographic survey in support of nautical chart updates 14nm offshore of Fox Point up to 14nm offshore of Kewaunee Nuclear Power Plant. Survey operations will begin near Port Washington and transition north to Sheboygan and Manitowoc area in June 2022. Surveys will be conducted 24 hours a day, 7 days a week, on the RV Substantial and 12 hours a day, 7 days a week on the RV Benthos. The RV Benthos is a 30 ft Armstrong aluminum catamaran survey vessel operating multibeam sonar. The RV Substantial is a 65 ft steel hull survey vessel operating multibeam sonar and towing sound speed equipment. Please provide .5 nautical mile distance when possible. Mariners are urged to transit at their slowest safe speed in the vicinity of the survey vessels to minimize wake. All survey vessels have AIS and will monitor VHF channels 16/13.

LAKE MICHIGAN – WI – South Milwaukee – Chart 14924- Hazard to Navigation
The South Milwaukee Yacht Club will be secured for the season until spring 2022 due to the shoaling at the harbor entrance jetty, creating a hazard to navigation. Two day boards are marking the entrance. All mariners are requested to transit the area with caution. For further questions, please contact Sector Lake Michigan at (414) 474-7182 or VIA VHF channel 16.

LAKE MICHIGAN – IL – Calumet Harbor – Chart 14927
From 28 April 2022 to 15 June 2022 the Great Lake Dock and Materials, LLC will be conducting breakwater maintenance work on the Calumet Harbor breakwater. Hours of operation is 24 hours a day 7 days a week. Barge Justin Avery and Tug Duluth can be contacted on VHF channels 16 and 18. All traffic should stay clear of the operations if possible. Please have positive contact with equipment, marine equipment will be located along the west breakwater of Calumet Harbor. Equipment include crane barge, material barges and tug boats.

LAKE MICHIGAN – IL – Calumet Harbor – Chart 14972
From 23 May 2022 to 31 July 2022 Luedtke Engineering Co. will be conducting maintenance dredging in the Calumet Harbor and River. Hours of operation are 24 hours a day 7 days a week. Tug Ann Marie and Tug Kurt can be contacted on VHF channels 10, 16, and 19. Reduce speed and use caution around dredging equipment. Tugs will be transiting the river with loaded scows from Lake Calumet to the CDF located in the outer harbor.

LAKE MICHIGAN – MI – St. Mary’s SOO Locks – Chart 14887
Kokosing-Alberici LLC will commence construction on the New Soo Lock Upstream Approach Walls April of 2021. Construction activities will be generally limited to the upstream north channel approach to the decommissioned Sabin and Davis Locks. Delivery by barge and boat of materials, equipment and crew will cross the upstream approach to the Soo Locks navigation channel throughout construction. Operations will commence from 25 Mar 21 to 15 Oct 23 Monday through Saturday 24 hours a day.

STRAITS OF MACKINAC - Chart 14881
From 6 May 2022 to 30 June 2022 the Ryba Marine Construction Co. will be conducting dock and sheet pile wall repairs in the Mackinac Harbor, Mackinac Island MI. Hours of operation are from 0700- 2000 7 days a week. Tug Rochelle Kaye can be contacted on VHF channels 13 and 16 or via cell at (231) 420-4352. All mariners are requested to transit the area with caution.

STRAITS OF MACKINAC - Chart 14881
From 01 June 2022 to 01 July 2022 Kokosing Industrial INC will be conducting underwater ROV and AUV inspection of line 5 Dual Pipelines in the Straits of Mackinac. Hours of operation are from 0700 to 1900 Monday through Saturday. Tug Nancy Anne can be contacted on VHF channels 8 and 16. Nearby Vessels shall maintain 1500-foot exclusion Zone. All mariners are requested to transit the area with caution.

LAKE MICHIGAN – Western Lake Michigan – Chart 14903, 14906
From 02 May 2022 to 31 Aug 2022 Geodynamics will be conducting hydrographic survey in support of nautical chart updates 14nm offshore of Fox Point up to 14nm offshore of Kewaunee Nuclear Power Plant. Survey operations will begin near Port Washington and transition north to Sheboygan and Manitowoc area in June 2022. Surveys will be conducted 24 hours a day, 7 days a week, on the RV Substantial and 12 hours a day, 7 days a week on the RV Benthos. The RV Benthos is a 30 ft Armstrong aluminum catamaran survey vessel operating multibeam sonar. The RV Substantial is a 65 ft steel hull survey vessel operating multibeam sonar and towing sound speed equipment. Please provide .5 nautical mile distance when possible. Mariners are urged to transit at their slowest safe speed in the vicinity of the survey vessels to minimize wake. All survey vessels have AIS and will monitor VHF channels 16/13.

LAKE MICHIGAN – WI – South Milwaukee – Chart 14924- Hazard to Navigation
The South Milwaukee Yacht Club will be secured for the season until spring 2022 due to the shoaling at the harbor entrance jetty, creating a hazard to navigation. Two day boards are marking the entrance. All mariners are requested to transit the area with caution. For further questions, please contact Sector Lake Michigan at (414) 474-7182 or VIA VHF channel 16.

LAKE MICHIGAN – IL – Calumet Harbor – Chart 14927
From 28 April 2022 to 15 June 2022 the Great Lake Dock and Materials, LLC will be conducting breakwater maintenance work on the Calumet Harbor breakwater. Hours of operation is 24 hours a day 7 days a week. Barge Justin Avery and Tug Duluth can be contacted on VHF channels 16 and 18. All traffic should stay clear of the operations if possible. Please have positive contact with equipment, marine equipment will be located along the west breakwater of Calumet Harbor. Equipment include crane barge, material barges and tug boats.

LAKE MICHIGAN – IL – Calumet Harbor – Chart 14972
From 23 May 2022 to 31 July 2022 Luedtke Engineering Co. will be conducting maintenance dredging in the Calumet Harbor and River. Hours of operation are 24 hours a day 7 days a week. Tug Ann Marie and Tug Kurt can be contacted on VHF channels 10, 16, and 19. Reduce speed and use caution around dredging equipment. Tugs will be transiting the river with loaded scows from Lake Calumet to the CDF located in the outer harbor.
LAKExUxIOR - Apostle Islands - Chart 14966
The University of Wisconsin (Madison) is commissioning 8 water environment monitoring buoys around the Apostle Islands from 15 June 2022, to 30 September 2022. The buoys are yellow in color and are 2’ in diameter with sensor equipment. All mariners are advised to use caution while transiting Apostle Islands during this timeframe

LNM: 18/22

LAKExUxIOR - MI – Marquette - Chart 14970
Commencing 26 Apr 2021 until further notice, all mariners are advised to use caution while transiting in the vicinity of Presque Isle Marine, in Marquette, MI while marine contractor operations are happening. Six lighted buoys have been temporary established around the work area.

LNM: 16/21

LAKExUxIOR – MN – Spirit Lake – Chart 14975
From 09 May 2022 to 15 Sept 2022 the J.F. Brennan Company will be conducting dredging and capping operations. Operations will be in the vicinity of 46°41'35.0"N 92°12'11.4"W out to 46°41'37.7"N 92°11'54.4"W and down to 46°41'12.8"N 92°11'18.4"W. Hours of operation will be 24 hours a day Monday through Saturday. Dredge Mark Anthony, Dredge Calumet and Spreader Barge Neenah can be contacted on VHF channels 16. All mariners are requested to transit the area with caution.

LNM: 13/22

LAKExUxIOR – Duluth Harbor - Chart 14975
From 16 May 2022 to 22 May 2022 a Naval Vessel Protection Zone will be established in the Duluth Harbor Basin 24 hours a day 7 days a week. All vessels within 500 yards of a U.S. naval vessel shall operate at the minimum speed necessary to maintain a safe course and shall proceed as directed by the on scene Patrol Commander. No vessel is allowed within 100 yards of a U.S. naval vessel, unless authorized by the on scene Patrol Commander. Vessels requesting to pass within 100 yards of a U.S. naval vessel shall contact the on scene Patrol Commander on VHF-FM channel 16. The on scene Patrol Commander may permit vessels that can only operate safely in a navigable channel to pass within 100 yards of a U.S. naval vessel in order to ensure a safe passage in accordance with the Navigation Rules. Commercial vessels anchored in a designated anchorage area may be permitted to remain at anchor within 100 yards of passing naval vessels.

LNM: 19/22

SECTION VIII - LIGHT LIST CORRECTIONS
An Asterisk *, indicates the column in which a correction has been made to new information

<table>
<thead>
<tr>
<th>(1)</th>
<th>(2)</th>
<th>(3) Position</th>
<th>(4) Characteristic</th>
<th>(5) Height</th>
<th>(6) Range</th>
<th>(7) Structure</th>
<th>(8) Remarks</th>
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</thead>
<tbody>
<tr>
<td>10600</td>
<td>Saginaw Bay Channel Lighted Buoy 5</td>
<td>43-45-22.814N 083-45-38.213W</td>
<td>Fl G 4s</td>
<td>4</td>
<td>Green.</td>
<td>Replaced by can from Apr. 21 to Dec.1. AIS MMSI: 993672221</td>
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<tr>
<td>10605</td>
<td>Saginaw Bay Channel Lighted Buoy 6</td>
<td>43-45-24.674N 083-45-42.591W</td>
<td>Fl R 4s</td>
<td>4</td>
<td>Red.</td>
<td>Replaced by nun from Apr. 21 to Dec. 1. AIS MMSI: 993672222</td>
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<tr>
<td>17775</td>
<td>Grays Reef Light</td>
<td>45-45-56.622N 085-09-13.642W</td>
<td>Fl R 10s</td>
<td>82</td>
<td>14 Square tower. 82</td>
<td>Obscured from 080° to 170°. HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). AIS MMSI: 993682389</td>
<td></td>
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<tr>
<td>18367</td>
<td>Frankfort NOAA Wave Buoy 1</td>
<td>44-45-28.000N 086-15-40.000W</td>
<td>Fl Y 2.5s</td>
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<td>Maintained from May.1 to Dec.1. Private Aid.</td>
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<td>20986</td>
<td>NOAA Algoma Weather Wave Buoy 1</td>
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<td>Maintained from May.1 to Nov.1. Private Aid.</td>
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</tr>
</tbody>
</table>

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Coast Guard District 9
11 May 2022
SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) LNM Section I - Special Notices

1-Great Lakes Water Levels

(2) LNM Section II - Discrepancies

N/A

(3) LNM Section III - Temporary Changes and Temporary Changes Corrected

N/A

(4) LNM Section IV - Chart Corrections

N/A

(5) LNM Section V - Advance Notices

N/A

(6) LNM Section VI - Proposed Changes

N/A

(7) LNM Section VII - General

1-Marine Events
2-Current Ninth District Bridge Maintenance/Activities
3-Waterway Analysis and Management System Survey

(8) LNM Section VIII - Light List Corrections

N/A

M. J. Johnston, RADM
U. S. Coast Guard
Commander, Ninth Coast Guard District
### GREAT LAKES, CONNECTING CHANNELS AND ST. LAWRENCE RIVER

**WATER LEVELS AND DEPTHS**

Expected water levels on the Great Lakes, Connecting Channels and the St. Lawrence River are given in inches above (+,0) or below (-,0) Low-Water Datum (LWD,0). LWD is a plane of reference on a navigation chart, also known as Chart Datum. LWD elevations shown below are given in International Great Lakes Datum, 1985 (IGLD 1985,0).

<table>
<thead>
<tr>
<th>Forecast Point</th>
<th>Low Water Datum</th>
<th>Expected Levels (inches above or below Low Water Datum,0)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>IGLD 1985</td>
<td>Current 13-May 20-May 27-May 3-Jun Week 1 Week 2 Week 3 Week 4</td>
</tr>
<tr>
<td>GREAT LAKES</td>
<td></td>
<td>6-May</td>
</tr>
<tr>
<td>Lake Ontario</td>
<td>243.3</td>
<td></td>
</tr>
<tr>
<td>Lake Erie</td>
<td>569.2</td>
<td></td>
</tr>
<tr>
<td>Lake St. Clair</td>
<td>572.3</td>
<td></td>
</tr>
<tr>
<td>Lake Michigan-Huron</td>
<td>577.5</td>
<td></td>
</tr>
<tr>
<td>Lake Superior</td>
<td>601.1</td>
<td></td>
</tr>
<tr>
<td>ST. LAWRENCE RIVER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Above Long Sault Dam</td>
<td>237.9</td>
<td>19</td>
</tr>
<tr>
<td>Above Iroquois Dam</td>
<td>240.3</td>
<td>34</td>
</tr>
<tr>
<td>Ogdensburg</td>
<td>242.4</td>
<td></td>
</tr>
<tr>
<td>Alexandria Bay</td>
<td>243.0</td>
<td></td>
</tr>
<tr>
<td>Head of river at Cape Vincent</td>
<td>243.3</td>
<td>41</td>
</tr>
<tr>
<td>DETROIT RIVER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lake Erie at Pelee Passage</td>
<td>569.2</td>
<td>46</td>
</tr>
<tr>
<td>Mouth of River at Gibraltar</td>
<td>569.5</td>
<td>47</td>
</tr>
<tr>
<td>Fort Wayne</td>
<td>571.1</td>
<td></td>
</tr>
<tr>
<td>Head of River above Belle Isle</td>
<td>572.0</td>
<td>44</td>
</tr>
<tr>
<td>ST. CLAIR FLATS</td>
<td></td>
<td></td>
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<tr>
<td>Mouth of River at St. Clair Flats</td>
<td>572.3</td>
<td>43</td>
</tr>
<tr>
<td>Algonac</td>
<td>572.8</td>
<td></td>
</tr>
<tr>
<td>St. Clair</td>
<td>574.4</td>
<td></td>
</tr>
<tr>
<td>Blue Water Bridge</td>
<td>576.2</td>
<td>35</td>
</tr>
<tr>
<td>Head of River at Fort Gratiot</td>
<td>577.2</td>
<td>31</td>
</tr>
<tr>
<td>Lake Huron Approach Channel</td>
<td>577.5</td>
<td>28</td>
</tr>
<tr>
<td>ST. MARYS RIVER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mouth of River at Detour</td>
<td>577.5</td>
<td>28</td>
</tr>
<tr>
<td>West and Middle Nebish</td>
<td>577.8</td>
<td>24</td>
</tr>
<tr>
<td>Head of Little Rapids</td>
<td>578.4</td>
<td>20</td>
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<tr>
<td>U.S. Slip</td>
<td>578.7</td>
<td></td>
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<tr>
<td>Above Locks</td>
<td>600.4</td>
<td></td>
</tr>
<tr>
<td>Head of River at Point Iroquois</td>
<td>601.1</td>
<td>6</td>
</tr>
</tbody>
</table>

### UNDERSTANDING THE FORECAST

Available water depth is determined for a location by adding (+) or subtracting (-) the amount from the above table to the appropriate channel depth shown in the profile Connecting Channel Depths Graphic or to water depths 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. Depths, however, may be reduced or increased as much as several feet for short periods due to these disturbances, or when sections of channels develop shoals. Vessel masters should refer to "Local Notice to Mariners" for extent of shoaling and scattered bedrock projections in all channels. Ice conditions can have a dramatic impact on actual channel depth and can lead to large short-term water level fluctuations. Ice information can be found at the National Ice Center’s website.

### FOR FURTHER INFORMATION CONTACT:

Detroit District Corps of Engineers  
Detroit District Great Lakes Homepage  
NOAA, National Ocean Service  
477 Michigan Avenue  
International Joint Commission  
SSMC4, STATION 7523  
Detroit MI, 48226  
Great Lakes Information Network  
1305 East-West Hwy  
1-888-694-8318 ext. 1  
NOAA Tides and Currents  
Silver Spring, MD 20910-3233  
email: hhpm@usace.army.mil  
U.S. Coast Guard - District 9  
(301) 713-2902
## GREAT LAKES-MARINE EVENT-SAFETY ZONES-SECURITY ZONES

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

<table>
<thead>
<tr>
<th>Location</th>
<th>Name of Event</th>
<th>Date / Time</th>
<th>POC</th>
<th>Tel #</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LAKE ONTARIO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rochester, NY</td>
<td>Memorial Day Fleet Review</td>
<td>29-May-22</td>
<td>Matt Sanderson</td>
<td>585-519-7102</td>
</tr>
<tr>
<td><strong>LAKE ERIE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Buffalo, NY</td>
<td>Buffalo Harbor Sailing Club-Racing Season</td>
<td>5/17/2022 to 9/28/2022</td>
<td>Gregory Toole</td>
<td>917-993-2976</td>
</tr>
<tr>
<td></td>
<td>Fontana All-High Regatta</td>
<td>30-May-22</td>
<td>Miles Schwartz</td>
<td>609-780-5561</td>
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<tr>
<td><strong>DETROIT RIVER</strong></td>
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<td></td>
<td></td>
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<tr>
<td>Detroit River</td>
<td>Bayview Clinic Race</td>
<td>5/13/2022</td>
<td>Tracy Girard</td>
<td>313-568-9564</td>
</tr>
<tr>
<td>Detroit River</td>
<td>Bayview Clinic Race</td>
<td>5/14/2022</td>
<td>Tracy Girard</td>
<td>313-568-9564</td>
</tr>
<tr>
<td>Detroit River</td>
<td>Bayview Clinic Race</td>
<td>5/15/2022</td>
<td>Tracy Girard</td>
<td>313-568-9564</td>
</tr>
<tr>
<td><strong>LAKE ST. CLAIR/St. Clair River</strong></td>
<td>Top Gun Twilight Races #11</td>
<td>5/12/2022</td>
<td>Tracy Girard</td>
<td>313-568-9564</td>
</tr>
<tr>
<td>Lake St. Clair</td>
<td>LSSC Club Races Sunday Race #1</td>
<td>5/15/2022</td>
<td>Tracy Girard</td>
<td>313-568-9564</td>
</tr>
<tr>
<td>St. Clair River</td>
<td>NOSMAC Prep Exercise Boom Depolyment Safety Zone</td>
<td>5/17/2022</td>
<td>Tracy Girard</td>
<td>313-568-9564</td>
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<tr>
<td><strong>LAKE HURON</strong></td>
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<tr>
<td>Tawas Bay</td>
<td>Taws Bay Yacht Club Sailboat Races</td>
<td>5/15/2022</td>
<td>Tracy Girard</td>
<td>313-568-9564</td>
</tr>
<tr>
<td><strong>LAKE MICHIGAN &amp; Green Bay</strong></td>
<td></td>
<td></td>
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<tr>
<td>Muskegon, MI</td>
<td>Muskegon Yacht Club - Wednesday Night Racing Series</td>
<td>each Wed. May 5 - Oct 12, 2022</td>
<td>MSTC Sherrill</td>
<td>414-747-7148</td>
</tr>
<tr>
<td>Muskegon, MI</td>
<td>Fireworks</td>
<td>May 14, 2022</td>
<td>MSTC Sherrill</td>
<td>414-747-7148</td>
</tr>
<tr>
<td>Fruitport, MI</td>
<td>Fireworks</td>
<td>May 27 &amp; May 29, 2022</td>
<td>MSTC Sherrill</td>
<td>414-747-7148</td>
</tr>
<tr>
<td>Sturgeon Bay, WI</td>
<td>Graduate Boat Parade - Safety Zone</td>
<td>May 28, 2022</td>
<td>MSTC Sherrill</td>
<td>414-747-7148</td>
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<tr>
<td>De Pere, WI</td>
<td>Fireworks</td>
<td>May 29, 2022</td>
<td>MSTC Sherrill</td>
<td>414-747-7148</td>
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<tr>
<td><strong>LAKE SUPERIOR</strong></td>
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<td></td>
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</tr>
<tr>
<td>N/A</td>
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</tbody>
</table>
CURRENT NINTH DISTRICT BRIDGE MAINTENANCE/ACTIVITIES  
Week [19/22]

Note: Short-term bridge maintenance closures and various activities may only be published through Broadcast Notice to Mariners and may not be included in the Local Notice to Mariners. Mariners should both listen to Broadcast Notice to Mariners (BNM) and read Coast Guard Local Notice to Mariners (LNM) available by clicking HERE for the most recent and complete marine information.

PUBLIC NOTICES FOR 9th District BRIDGES:  https://www.navcen.uscg.gov/D9BN

Please contact us with any questions or concerns:
Blair Stanifer (216) 902-6086 or William.B.Stanifer@uscg.mil
Lee Soule (216) 902-6085 or Lee.D.Soule@uscg.mil
Michael Walker (216) 902-6087 or Michael.O.Walker2@uscg.mil
FAX: (216) 902-6088

Commander (dpb)
Ninth Coast Guard District
1240 E. 9th St. Room 2047B
Cleveland, Ohio 44199-2001

NOTES:

ACTIVE BROADCAST NOTICE TO MARINERS (BNM)

SAFETY BCST PLUS SKED BCST UNTIL 112030Z MAY 22
U.S.C.G. NINTH DISTRICT NOTICE TO MARINERS C050-22
ON MAY 11, 2022 BETWEEN THE HOURS OF 0600 TO 1630, THE NORFOLK SOUTHERN RAILROAD BRIDGE AT MILE 0.76 OVER THE CUYAHOGA RIVER WILL BE SECURED TO MASTED NAVIGATION. VESSELS ABLE TO PASS UNDER THE BRIDGE WITHOUT AN OPENING MAY DO SO AT ANY TIME.

SAFETY BCST PLUS SKED BCST UNTIL 152000Z MAY 22
U.S.C.G. NINTH DISTRICT NOTICE TO MARINERS C054-22
WI- LAKE MICHIGAN - GREEN BAY
FROM 0500 TO 1500 ON MAY 15, 2022 THE TILLEMAN MEMORIAL BRIDGE AT MILE 2.27 OVER THE FOX RIVER WILL BE SECURED TO MASTED NAVIGATION IN CONJUNCTION WITH THE CELLCOM GREEN BAY MARATHON. VESSELS ABLE TO PASS UNDER THE BRIDGE WITHOUT AN OPENING MAY DO SO AT ANY TIME.
SAFETY BCST PLUS SKED BCST UNTIL 172200Z MAY 22
U.S.C.G. NINTH DISTRICT NOTICE TO MARINERS C055-22
NY - NEW YORK BARGE CANAL SYSTEM

SAFETY BCST PLUS SKED BCST UNTIL 142000Z MAY 22
U.S.C.G. NINTH DISTRICT NOTICE TO MARINERS C056-22
MI - LAKE MICHIGAN - ST JOSEPH RIVER
ON MAY 14, 2022 BETWEEN THE HOURS OF 1000 AND 1600, THE TWIN CITIES BICENTENNIAL BRIDGE AT MILE 1.30 OVER THE SAINT JOSEPH RIVER WILL BE SECURED TO MASTED NAVIGATION. VESSELS ABLE TO PASS UNDER THE BRIDGE WITHOUT AN OPENING MAY DO SO AT ANY TIME.

SUBJ/ ISSUE NOTICE TO MARINERS
SAFETY BCST PLUS SKED BCST UNTIL 202000z MAY 22
U.S.C.G. NINTH DISTRICT NOTICE TO MARINERS C059-22
MI - ST. CLAIR RIVER - BLACK RIVER
FROM MAY 16 THROUGH MAY 20, 2022 BETWEEN THE HOURS OF 0800 AND 1600 DAILY, INSPECTORS WILL USE SNOOPER VEHICLES UNDER THE I-94 BRIDGE AT MILE 2.30 OVER THE BLACK RIVER. SPOTTERS WILL WARN OF APPROACHING VESSELS AND MOVE THE MAN LIFT(S) TO ALLOW VESSEL TO PASS.

SUBJ/ ISSUE NOTICE TO MARINERS
SAFETY BCST PLUS SKED BCST UNTIL 232000Z MAY 22
U.S.C.G. NINTH DISTRICT NOTICE TO MARINERS C060-22
OH- LAKE ERIE - CLEVELAND HARBOR
ON MAY 16 AND AGAIN ON MAY 23, 2022 BETWEEN THE HOURS OF 0600 AND 1600 EACH DAY THE NORFOLK SOUTHERN RAILROAD BRIDGE AT MILE 0.76 OVER THE CUYAHOGA RIVER WILL BE SECURED TO MASTED NAVIGATION. VESSELS ABLE TO PASS UNDER THE BRIDGE WITHOUT AN OPENING MAY DO SO AT ANY TIME.

SUBJ/ ISSUE NOTICE TO MARINERS
SAFETY BCST PLUS SKED BCST UNTIL 262000Z APR 22
U.S.C.G. NINTH DISTRICT NOTICE TO MARINERS C061-22
IL- LAKE MICHIGAN - CHICAGO SANITARY AND SHIP CANAL
ON MAY 20, 2022, BETWEEN THE HOURS OF 0800 TO 1700 EACH DAY HARD HAT DIVERS WILL BE INSPECTING SOUTH CALIFORNIA AVENUE BRIDGE AT MILE 7.3 (CORPS MILE 320.0) AND THE SOUTH PULASKI ROAD BRIDGE AT MILE 8.9 (CORPS MILE 318.4) OVER THE CHICAGO SANITARY AND SHIP CANAL. A DIVE SAFETY BOAT WILL MONITOR VHF-FM MARINE CHANNEL 16 AND WILL MOVE AS NEEDED TO ACCOMMODATE VESSEL TRAFFIC.
SUBJ/ ISSUE NOTICE TO MARINERS
SAFETY BCST PLUS SKED BCST UNTIL 202200Z MAY 22
U.S.C.G. NINTH DISTRICT NOTICE TO MARINERS C062-22
IL - LAKE MICHIGAN - CHICAGO HARBOR
FROM MAY 16 THROUGH MAY 20, 2022, BETWEEN THE HOURS OF 0800 TO 1700 EACH DAY HARD HAT DIVERS WILL BE INSPECTING ALL BRIDGES FROM MILE 0.32 TO MILE 6.14 OVER THE CHICAGO RIVER. A DIVE SAFETY BOAT WILL MONITOR VHF-FM MARINE CHANNEL 16 AND WILL MOVE AS NEEDED TO ACCOMMODATE VESSEL TRAFFIC.

SUBJ/ ISSUE NOTICE TO MARINERS
SAFETY BCST PLUS SKED BCST UNTIL 252200Z MAY 22
U.S.C.G. NINTH DISTRICT NOTICE TO MARINERS C063-22
IL- LAKE MICHIGAN -CALUMET HARBOR
FROM MAY 23 THROUGH MAY 25, 2022, BETWEEN THE HOURS OF 0800 TO 1700 EACH DAY HARD HAT DIVERS WILL BE INSPECTING THE 100TH STREET BRIDGE AT MILE 1.76 (CORPS MILE 331.4) AND THE 106TH STREET BRIDGE AT MILE 2.58 (CORPS MILE 330.6) AND THE TORRANCE AVENUE BRIDGE AT MILE 5.26 (CORPS MILE 328.0) OVER THE CALUMET RIVER AND THE INDIANA AVENUE BRIDGE AT MILE 7.92 (CORPS MILE 325.3) OVER THE LITTLE CALUMET A DIVE SAFETY BOAT WILL MONITOR VHF-FM MARINE CHANNEL 16 AND WILL MOVE AS NEEDED TO ACCOMMODATE VESSEL TRAFFIC.

2021 FEDERAL REGULATIONS DOCKET STATUS
USCG-2022-0237 - TD – Keweenaw Waterway - Pending Signature
USCG-2022-0303- NPRM – Michigan City Amtrak Remote Ops - Pending internal review

ACTIVE LOCAL NOTICE TO MARINERS (LNM)

GREAT LAKES REGION

GREAT LAKES, Drawbridge Delay Reports, Chart 14500
Mariners are requested to submit Reports of Drawbridge Signal/Operations Delays directly to the Ninth Coast Guard District Bridge Branch using the attached form. Reports of signal or drawbridge delays have been processed by Coast Guard Marine Safety Offices in recent years, but will now be processed and traced by the Bridge Branch. Reports may be sent by mail, e-mail, or by fax. The mailing address and fax number are on the form. The updated form is printed and also attached on the last page of this list. [08/05] [34/12]

GREAT LAKES, Drawbridge Advance Notice During High Winds, Chart 14500
Mariners are encouraged to provide advance notice of arrival to drawbridges during periods of high winds. Depending on the orientation and type of bridge high winds may prevent some bridges from operating as required by regulation. [46/13]

ST. LAWRENCE SEAWAY

NY STATE CANAL SYSTEM
(Everything West of St. Johnsville, NY)
NEW YORK STATE CANAL SYSTEM – NY - Erie Canal – Chart 14786 – Bridge Maintenance From April 1 through June 17, 2022, between the hours of 0600 and 2000, 7 days a week, contractors will utilize snooper trucks and man lifts under the E-188, North Main Street Bridge at Mile 284.14 over the Erie Canal near Rochester, New York. Spotters will warn workers of approaching vessels and move the man lift to allow vessels to pass. [04/22]

NEW YORK STATE CANAL SYSTEM – NY - Erie Canal – Chart 14786 – Bridge Maintenance From May 2 through May 27, 2022 between the hours of 0700 and 11530 daily, contractors will utilize snooper trucks under the E217 South Carmen Road Bridge at Mile 309.59, the E240 Tonawanda Creek Road Bridge at Mile 327.34, the E237 Robinson Road Bridge at Mile 323.79, and the E238A Fiegle Road Bridge at Mile 325.09 all over the Erie Canal. Spotters will warn of approaching vessels and will move the man lift to allow vessels to pass under the bridges. Mariners should avoid passing directly under large amounts of falling water. [07/22]

NEW YORK STATE CANAL SYSTEM – NY - Erie Canal – Chart 14786 – Bridge Maintenance From May 11 through August 17, 2022 between the hours of 0700 and 1730, Monday through Saturday, a 50-foot by 20-foot barge will be working under the E-138, Main Street SR 96 at Mile 253.50 over the Erie Canal. The barge will monitor VHF-FM Marine Channel 16 and will move to accommodate vessels as needed. [11/22]

NEW YORK STATE CANAL SYSTEM – NY - Erie Canal – Chart 14786 – Bridge Maintenance From April 25 through August 31, 2022 between the hours of 0700 and 1700, Monday through Friday, contractors will be washing the E234 Transit Road Bridge at Mile 320.82, the E233 Main Street Bridge at Mile 320.82, and the E236A Lockport Bypass Road Bridge at Mile 322.16 over the Erie Canal. Spotters will warn of approaching vessels and move the man lift to allow vessels to pass. Mariners should avoid passing under any falling water from the bridge. [15/22]

LAKE ONTARIO

LAKE ONTARIO – NY – Chaumont Harbor – Chart 14811 – Bridge Discrepancy. The Coast Guard has received a report that the lights on the 12E West Main Street Bridge at Mile 0.8 over the Chaumont River are extinguished. [41/21]

LAKE ERIE - MAHONING RIVER - NIAGARA RIVER- ALLEGHENY RIVER

*****REVISED*****

LAKE ERIE – OH – Toledo Harbor – Chart 14847 – Bridge Construction/Demolition From July 1, 2019 through July 23, 2023 a temporary causeway will be constructed between mile 6.73 and 6.76 for the construction of the new and demolition of the old Michael V. DiSalle Memorial (I-75) Bridge at Mile 6.73 over the Maumee River. The causeway will be marked with flashing yellow lights spaced approximately 10 meters apart with red over red lights marking the ends of the causeway. A 100 foot wide channel will be provided for vessels to pass through the construction area. Mariners are encouraged to pass through the area at a slow speed. [26/19] [21/20]

LAKE ERIE – OH – Ashtabula – Chart 14836 – Bridge Contacts The Norfolk Southern Railroad Bridge at Mile 1.5 over the Ashtabula River is remotely operated and will open on horn signal, or by calling on VHF-FM Marine Channel 16, or by calling: 404-877-9698, or
LAKE ERIE – OH – Cleveland Harbor – Chart 14839 - Bridge Special Event
On October 8, 2022 between the hours of 0700 and 1400 the Carter Road Bridge at Mile 2.43 over the Cuyahoga River will be secured to masted navigation in conjunction with the Towpath Marathon event. Vessels able to pass under the bridge without an opening may do so at any time.

LAKE ERIE – OH – Toledo Harbor – Chart 14847 – Bridge Special Event
On July 4, 2022 between the hours of 0750 and 0900, Craig Memorial Bridge at Mile 3.30 over the Maumee River will be secured to masted navigation in conjunction with the Annual 10K run event. Vessels able to pass under the bridge without an opening may do so at any time.

LAKE ERIE – NY – Buffalo Harbor – Chart 14833 – Bridge Maintenance
From March 21 through August 30, 2022 between the hours of 0700 and 1600, Monday through Sunday, you are authorized to utilize two barges 40-foot by 10-foot at the Niagara Street Bridge at the mouth of Scajaquada Creek. A 20-foot navigation channel will be maintained for vessels to pass through the work area.

LAKE ERIE – OH – Cleveland Harbor – Chart 14839 – Bridge Maintenance
On May 16 and again on May 23, 2022 between the hours of 0600 and 1600 each day the Norfolk Southern Railroad Bridge at Mile 0.76 over the Cuyahoga River will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.

LAKE ERIE – OH – Toledo Harbor – Chart 14847 – Bridge Maintenance
From April 28 through August 31, 2022 between the hours of 0700 and 1700, Monday through Friday a 150-foot by 50-foot barge will be washing the South Grand Island Bridges at Mile 27.5 over the Niagara River. The barge will monitor VHF-FM Marine Channel 16 and will move to accommodate other vessels.

LAKE ERIE – NY – Niagara River – Chart 14832 – Bridge Maintenance
From May 30 through July 15, 2022 between the hours of 0700 and 1600, Monday through Friday a 100 foot by 34-foot barge will be washing the South Grand Island Bridges at Mile 27.5 over the Niagara River. The barge will monitor VHF-FM Marine Channel 16 and will move to accommodate other vessels.

DETROIT RIVER - LAKE ST. CLAIR - ST. CLAIR RIVER – RIVER ROUGE
*****REVISED****
DETROIT RIVER – MI – Main Channel – Chart 14848 – Bridge Construction.
From November 1, 2022 through August 30, 2024, contractors will be constructing the Gordie Howe International Bridge at mile 16.7 over the Detroit River. No equipment will be placed in the water. Overhead work will have temporary steady burning yellow lights to mark new construction. A moving platform with quick flashing red lights and orange or red ball fenders on the bottom four corners with a safety net that hangs approximately 15-feet below low steel will be constructing the bridge. Mariners should avoid passing directly under the platform at any time. Snooper type vehicles will be utilized on the bridge throughout construction. Spotters will warn of approaching vessels and move the man lift to allow vessels to pass. When construction is completed and all equipment removed, the final vertical clearances for the bridge will be 152-feet for the center 100-feet of the navigation channel. No less than 137-feet of vertical clearance will be available at the channel limits. Vertical clearances are based on IGLD85.
ST. CLAIR RIVER – MI – Black River – Chart 14853 – Bridge Inspection
From May 16 through May 20, 2022 between the hours of 0800 and 1600 daily, inspectors will use snooper vehicles under the I-94 Bridge at Mile 2.30 over the Black River. Spotters will warn of approaching vessels and move the man lift(s) to allow vessel to pass.
[10/22]

ST. CLAIR RIVER – MI – Pine River – Chart 14853 – Bridge Maintenance
From January 1, 2023 through March 17, 2023, the Riverside Avenue, State Route 29 Bridge at Mile 0.10 over the Pine River will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.
[18/22]

LAKE HURON

STRAITS OF MACKINAC, SAINT MARY’S RIVER AND FALLS

LAKE MICHIGAN – EAST

LAKE MICHIGAN – MI – Grand Haven – Chart 14933- Bridge Maintenance
From November 1, 2022 through April 30, 2023, the U.S. Route 31 Bridge at Mile 2.89 over the Grand River will be secured to masted navigation. From May 1, 2023 through May 26, 2023, one leaf of the bridge will be secured to masted navigation and the other leaf will operate normally.
[42/20]

LAKE MICHIGAN – MI – Grand Haven – Chart 14933- Bridge Maintenance
From September 6, 2022 through October 30, 2022, one leaf of the U.S. Route 31 Bridge at Mile 2.89 over the Grand River will be secured to masted navigation and the other leaf will operate normally.
[43/20]

LAKE MICHIGAN – MI – Charlevoix Harbor – Chart 14942 – Bridge Maintenance
From 0700 on January 16, 2023 through 0700 on April 1, 2023 the US 31 Bridge Street Bridge, over the Pine River will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.
[05/22]

LAKE MICHIGAN – MI – Grand Haven – Chart 14933 – Bridge Maintenance
From May 1 through September 30, 2022, scaffolding will be installed under the U.S. Route 31 Bridge at Mile 2.89 over the Grand River that hangs approximately 4-feet below low steel. Between the hours of 0600 and 2000 Monday through Saturday, four barges 80-feet by 40-feet or smaller will be utilized under the approach spans. The barges will monitor VHF-FM marine Channel 16 and move to accommodate vessels if provided a 20-minute advance notice of arrival. No equipment will be used in the navigation draw of the bridge and the bridge operating schedule will not be changed.
[12/22]

LAKE MICHIGAN – MI – Grand Haven – Chart 14933 - Bridge Special Event
From 2200 on July 4 until 0200 on July 5, 2022, the U.S. 31 Bridge at Mile 2.89 over the Grand River will be secured to masted navigation in conjunction with the 4th of July Celebration. Vessels able to pass under the
bridge without an opening may do so at any time.

[14/22]

**LAKE MICHIGAN – MI – Grand Haven – Chart 14933 - Bridge Special Event**
From 2200 on August 6 until 0200 on **August 7, 2022**, the U.S. 31 Bridge at Mile 2.89 over the Grand River will be secured to masted navigation in conjunction with the Annual Coast Guard Day Celebration. Vessels able to pass under the bridge without an opening may do so at any time.

[14/22]

**LAKE MICHIGAN – MI – St Joseph – Chart 14930 – Bridge Special Event**
On **May 14, 2022** between the hours of 1000 and 1600, the Twin Cities Bicentennial Bridge at Mile 1.30 over the Saint Joseph River will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.

[12/22]

**LAKE MICHIGAN – INDIANA & GARY HARBOR**

**LAKE MICHIGAN – IN – Indiana Harbor Canal – Chart 14972- Bridge Discrepancy**
The Coast Guard has received a report that the fendering on the Norfolk Southern Railroad Bridge at Mile 0.76 over the Indiana Harbor Canal is missing.

[43/21]

**LAKE MICHIGAN – CALUMET RIVER & LITTLE CALUMET RIVER**

**LAKE MICHIGAN – IL – Calumet River – Chart 14927 - Bridge Inspection**
From June 23 through **June 25, 2022**, between the hours of 0800 to 1700 each day hard hat divers will be inspecting the 100th Street Bridge at Mile 1.76 (CORPS MILE 331.4) and the 106th Street Bridge at Mile 2.58 (CORPS MILE 330.6) and the Torrance Avenue Bridge at Mile 5.26 (CORPS MILE 328.0) over the Calumet River and the Indiana Avenue at Mile 7.92 (CORPS MILE 325.3) over the Little Calumet A dive safety boat will monitor VHF-FM Marine Channel 16 and will move as needed to accommodate vessel traffic.

[18/22]

**CHICAGO RIVER – MAIN RIVER CHANNEL, NORTH BRANCH, NORTH SHORE CHANNEL, AND SOUTH BRANCH AND SOUTH FORK OF SOUTH BRANCH**

**LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Discrepancy**
The Coast Guard has received a report that the protection cells of the Fullerton Avenue Bridge at Mile 5.30 (CORPS MILE 329.1) over the North Branch of the Chicago River are leaning away from the channel.

[23/20]

****REVISED*****

**LAKE MICHIGAN – IL – Chicago Harbor – Chart 14927 - Bridge Maintenance**
From December 17 through **June 3, 2022** between the hours of 0700 and 1530, Monday through Friday a 125-foot by 35-foot barge at the Cermak Road Bridge at Mile 4.05 (CORPS MILE 323.2) over the South Branch of the Chicago River. The barge will monitor VHF-FM Marine Channel 16 and will move if a 1-hour advance notice is provided.

[50/21] [13/22]

**LAKE MICHIGAN – IL – Chicago Harbor – Chart 14927 – Bridge Maintenance**
From midnight on February 13 through noon on **November 1, 2022**, one leaf of the Dearborn Street Bridge at
Mile 1.13 over the Main Branch of the Chicago River will be secured to masted navigation. The other leaf will operate normally. Monday through Friday between the hours of 0700 and 1530, a 125-foot by 35-foot barge will be working under the secured leaf and will move to accommodate vessels if a 1-hour advance notice is provided directly to the barge on VHF-FM Marine Channel 16.

[04/22]

*****REVISED*****

LAKE MICHIGAN – IL – Chicago Harbor – Chart 14927 – Bridge Maintenance
From February 14 through June 10, 2022, between the hours of 0600 and 1800, Monday through Friday a 100-foot by 50-foot barge will be working at the Webster Avenue Bridge at Mile 4.85 (CORPS MILE 328.6) over the North Branch of the Chicago River. The barge will move if provided a 2-hour advance notice by calling the barge on VHF-FM Marine Channel 16 or 630-514-0695 or 773-842-7470-1570.

[05/22] [16/22]

LAKE MICHIGAN – IL – Chicago Harbor – Chart 14927 – Bridge Inspection
From May 16 through May 20, 2022, between the hours of 0800 to 1700 each day hard hat divers will be inspecting all bridges from Mile 0.32 to Mile 6.14 over the Chicago River. A dive safety boat will monitor VHF-FM Marine Channel 16 and will move as needed to accommodate vessel traffic.

[18/22]

CALUMET SAG CHANNEL

LAKE MICHIGAN - IL – Calumet-SAG Channel - Chart 14926 - Bridge Maintenance
From March 1 through August 31, 2022 scaffolding that extends approximately 1-foot below low steel will be installed under one half of the 96th Avenue Bridge (LaGrange US 45) at Mile 24.56 (CORPS MILE 308.4) over the Calumet-SAG Channel. The other half of the bridge the scaffolding will be pulled up tight against low steel. Steady burning yellow lights will warn mariners of the temporary reduction in vertical clearance.

[07/22]

LAKE MICHIGAN - IL – Calumet-SAG Channel - Chart 14926 - Bridge Maintenance
From April 4 through November 18, 2022, scaffolding that hangs approximately 1-foot below low steel will be installed under one-half of the Francisco Avenue at Mile 15.01 (CORPS MILE 318.0) over the Calumet-SAG Channel.

[12/22]

*****REVISED*****

LAKE MICHIGAN – IL – Calumet-SAG Channel – Chart 14927 – Bridge Maintenance
From March 15 through June 15, 2022, scaffolding that hangs approximately 2-feet below low steel will be installed under the Ashland Avenue Bridge at Mile 13.98 (CORPS MILE 319.0) over the Calumet-SAG Channel. A 110-foot by 35-foot barge at the bridge between the hours of 0700 and 1530, Monday through Saturday.

[10/22] [14/22]

LAKE MICHIGAN – IL – Calumet-SAG Channel – Chart 14927 – Bridge Maintenance
from April 4 through November 18, 2022, scaffolding that hangs approximately 1-foot below low steel will be installed under one-half of the Francisco Avenue at Mile 15.63 (CORPS MILE 317.4), the Crawford Avenue Bridge at Mile 17.01 (CORPS MILE 316.0), the Ridgeland Avenue at Mile 20.47 (CORPS MILE 312.5), 104th Avenue Bridge at Mile 25.56 (CORPS MILE 307.3) over the Calumet-SAG Channel.

[10/22] [14/22]
LAKE MICHIGAN – IL – Chicago Sanitary and Ship Canal – Chart 14927 - Bridge Maintenance
From March 21 through June 3, 2022, between the hours of 0700 and 1530, Monday through Friday, a 125-foot by 35-foot barge will be working at the South Cicero Avenue Bridge at Mile 10.0 (CORPS MILE 317.3) over the Chicago Sanitary and Ship Canal. The bare will monitor VHF-FM Marine Channel 16 and will move if a 1-hour advance notice is provided.
[10/22]

LAKE MICHIGAN – IL – Chicago Sanitary and Ship Canal – Chart 14927 - Bridge Inspection
On April 25 and April 26, 2022, between the hours of 0900 and 1500 each day, Inspectors will utilize Snooper and TMA vehicles under the IL-43 South Harlem Avenue Bridge at Mile 13.3 (CORPS MILE 314.0) over the Chicago Sanitary and Ship Canal. Spotters will warn of approaching vessels and move the man lift to allow vessel to pass.
[17/22]

LAKE MICHIGAN – IL – Chicago Sanitary and Ship Canal – Chart 14927 - Bridge Inspection
On May 20, 2022, between the hours of 0800 to 1700 each day hard hat divers will be inspecting South California Avenue Bridge at Mile 7.3 (CORPS MILE 320.0) and the South Pulaski Road Bridge at Mile 8.9 (CORPS MILE 318.4) over the Chicago Sanitary and Ship Canal. A dive safety boat will monitor VHF-FM Marine Channel 16 and will move as needed to accommodate vessel traffic.
[18/22]

LAKE MICHIGAN – WEST

*****REVISED*****

LAKE MICHIGAN – WI – Milwaukee Harbor – Chart 14924 – Bridge Discrepancy
The Coast Guard has received a report that one leaf of the Cherry Street Bridge at mile 2.29 over the Milwaukee River is inoperable due to a mechanical failure. The other leaf continues to operate normally.
[19/21] [26/21]

LAKE MICHIGAN – WI – Racine Harbor – Chart 14925 – Bridge Special Event
On July 4, 2022, between the hours of 0745 and 1130 and again from 2130 to 2230 the Main Street Bridge at Mile 0.31 and the State Street Bridge at Mile 0.53, over the Root River will be secured to masted navigation in conjunction with the 4th Fest of Greater Racine parade and fireworks. Vessels able to pass under the bridge without an opening may do so at any time.
[12/22]

LAKE MICHIGAN – WI – Milwaukee Harbor – Chart 14924 – Bridge Special Event
From June 23 through July 9, 2022 from 2300 to 0100, Thursday through Saturday, all bridges from Mile 0.79 to Mile 1.46 over the Milwaukee River will be secured to recreational masted navigation, except at the discretion of the police department, in conjunction with the Summerfest event. Vessels able to pass under the bridges without an opening may do so at any time.
[12/22]

LAKE MICHIGAN – WI – Milwaukee Harbor – Chart 14924 – Bridge Special Event
From 2130 on June 23 through 0100 on June 24, 2022 all bridges from Mile 0.79 to Mile 1.46 over the Milwaukee river will be secured to recreational masted navigation, except at the discretion of the police department, in conjunction with the Big Bang Fireworks. Vessels able to pass under the bridges without an opening may do so at any time.
[12/22]
LAKE MICHIGAN – WI – Milwaukee Harbor – Chart 14924 – Bridge Special Event
From 2130 on July 3 through 0100 on July 4, 2022 all bridges from Mile 0.79 to Mile 1.46 over the Milwaukee river will be secured to recreational masted navigation, except at the discretion of the police department, in conjunction with the American Family Insurance Fireworks. Vessels able to pass under the bridges without an opening may do so at any time. A rain date of July 4 will be authorized if needed.
[12/22]

LAKE MICHIGAN – WI – Milwaukee Harbor – Chart 14924 – Bridge Special Event
From July 15 through July 17, 2022 between the hours of 2300 and 0100 all bridges from Mile 0.79 to Mile 1.46 over the Milwaukee River will be secured to recreational masted navigation, except at the discretion of the police department, in conjunction with the Festa Italiana. Vessels able to pass under the bridges without an opening may do so at any time.
[12/22]

LAKE MICHIGAN – Sturgeon Bay Ship Canal – Green Bay – Fox River – Wolf River

LAKE MICHIGAN – WI – Fox River – Chart 14972 – Bridge Maintenance
From April 27, 2022 through October 7, 2022 the Tayco Street Bridge at Mile 37.52 over the Fox River at Menasha will require a 2-hour advance notice from 0800 to Midnight and a 6-hour advance at all other times, each day, for openings. Mariners should call 920-360-5792 to provide advance notice.
[45/21]

LAKE MICHIGAN – WI – Fox River – Chart 14918 – Bridge Special Event
From 0500 to 1500 on May 15, 2022 the Tilleman Memorial Bridge at Mile 2.27 over the Fox River will be secured to masted navigation in conjunction with the Cellcom Green Bay Marathon. Vessels able to pass under the bridge without an opening may do so at any time.
[09/22]

LAKE MICHIGAN – WI – Fox River – Chart 14918 – Bridge Special Event
From 1400 to 2330 on July 4, 2022 the Main Street Bridge at Mile 1.58 over the Fox River will be secured to masted navigation in conjunction with the Fourth of July Celebration. Vessels able to pass under the bridge without an opening may do so at any time.
[09/22]

*****REVISED*****

LAKE MICHIGAN – WI – Fox River – Chart 14916 – Bridge Construction
From October 29, 2020 through August 31, 2022, between the hours of 0700 to 2200, Monday through Friday, eight barges, 80-feet by 70-feet or smaller, will be used to construct the Racine Street Bridge at Mile 37.91 over the Fox River at Menasha. The old bridge has been removed. The temporary bridge over the slip near the George Banta Dock will continue to remain through the summer for temporary access. A 20-foot channel will be maintained for vessels through the construction area, between pier 4 and the south bascule pier until the bascule spans have been constructed and installed. Steady burning red lights will mark the temporary channel for vessels to pass through the construction area. Cranes in the drawspan will move if a 12-hour advance notice is provided by calling: 920-224-2068 or 920-450-4987
*****REVISED*****

LAKE MICHIGAN – WI – Fox River – Chart 14916 - Bridge Construction
From 0600 on May 9 to 0600 on May 13, 2022, tracks will be placed across the top of the opening known as the south span of the Racine Street Bridge at Mile 37.91 over the Fox River to accommodate the concrete finisher.

[19/22]

LAKE MICHIGAN – WI – Fox River – Chart 14972 - Bridge Maintenance
From May 1, 2023 through September 1, 2023 scaffolding that hangs approximately 3-feet below low steel will be installed under the Tower Driver / Leo Figaro Bridge at Mile 0.41 over the Fox River.

[11/22]

LAKE MICHIGAN – WI – Sturgeon Bay Ship Canal – Chart 14919 – Bridge Maintenance
From May 4 through May 5, 2022, between the hours of 0700 and 1600, the Maple-Oregon Street Bridge at Mile 4.17 over the Sturgeon Bay Ship Canal, will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.

[11/22]

LAKE MICHIGAN – WI – Fox River – Chart 14924 – Bridge Inspection
From April 19 through April 28, 2022 between the hours of 0800 and 1600, inspectors will utilize snooper trucks under the Tower Drive / Leo Frigo Bridge at Mile 0.41 over the Fox River. Spotter will warn of approaching vessels and will move the man lift to allow vessels to pass.

[12/22]

LAKE MICHIGAN – WI – Fox River – Chart 14916 - Bridge Proposed Regulation
The Coast Guard proposes to modify the operating schedule that governs the Tayco Street Bridge, mile 37.52, the Main Street Bridge, mile 55.97, the Jackson Street Bridge, mile 56.22, the Wisconsin Street Bridge, mile 56.72, and the Congress Avenue Bridge, mile 58.01, all over the Fox River near Oshkosh, Wisconsin. This proposed rule will allow the bridges to operate remotely. We invite your comments on this proposed rulemaking. You may submit comments identified by docket number USCG-2021-0336 using Federal Decision Making Portal at https://www.regulations.gov. If you have questions on this proposed rule, call or e-mail Mr. Lee D. Soule, Bridge Management Specialist, Ninth Coast Guard District; telephone 216-902-6085, e-mail Lee.D.Soule@uscg.mil. Comments and related material must reach the Coast Guard on or before May 31, 2022.

[15/22]

LAKE MICHIGAN – WI – Sturgeon Bay Ship Canal – Chart 14919 – Bridge Maintenance
On May 10, 2022, between the hours of 0700 and 1600, the Michigan Street Bridge at Mile 4.3 over the Sturgeon Bay Ship Canal, will require a 4-hour advance notice for opening. Mariners should provide advance notice directly to the drawtender.

[18/22]

**LAKE SUPERIOR**

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

From April 19 through May 13, 2022, between the hours of midnight and 0400 daily, the US 41 Bridge at Mile 16 over the Keweenaw Waterway will be in the fully closed position and will require a 2-hour advance notice for openings. Mariners should provide advance notice directly to the drawtender.

[16/22]

**RAINY LAKE, RAINY RIVER, LAKE OF THE WOODS, WISCONSIN RIVER, MISSISSIPPI RIVER, & RED RIVER OF THE NORTH**
(Revised 11/19) NINTH DISTRICT DRAWBRIDGE SIGNALS OR OPERATION DELAYS FORM

TO: Commander (dpb)                                          DATE: __________________________

    Ninth Coast Guard District
    1240 E. 9th Street – Room 2047b
    Cleveland, Ohio 44199-2060
    Phone: (216) 902-6087
    Fax: (216) 902-6088
    E-Mail: William.B.Stanifer@uscg.mil
    Lee.D.Soule@uscg.mil
    Michael.O.Walker2@uscg.mil

NOTE: Reports of Delay will be processed only when all items are fully addressed and reports submitted within 15 days of reported delay / difficulty. Attach additional sheets if necessary.

CONFIDENTIALITY: Please check here if you wish to keep names of vessels and persons confidential

☐

1. NAME OF VESSEL: ____________________________________________

2. PORT: _______________________________________________________

3. DATE OF DELAY: ________ ( ) INBOUND ( ) OUTBOUND

4. BRIDGE NAME: ______________________________________________

5. WATERWAY: __________________ Mile: ____________________
   (Bridge name, waterway, and mile from Coast Pilot #6)

NOTE: IF DELAY IS AT RAILROAD BRIDGE, AND TRAINS ARE "CONTINUOUSLY" BEING RUN ACROSS OR STOPPED ON A DRAWBRIDGE, PLEASE INDICATE ON REVERSE SIDE OF FORM THE STARTING AND ENDING TIMES FOR EACH TRAIN, OR TIMES THAT TRAINS ARE STOPPED ON BRIDGE.

6. IF ADVANCE NOTICE IS PROVIDED, TIME NOTICE GIVEN: ________________
   ETA PROVIDED: ______________________ TO WHOM: ___________________

7. TIME FIRST SIGNAL GIVEN FOR BRIDGE: __________ TIME ARRIVED AT BRIDGE: __________

8. TIME FIRST SIGNAL RECEIVED FROM BRIDGE: ________________

9. DID RESPONSE INDICATE AN IMMEDIATE OPENING COULD BE EXPECTED OR THAT THE REQUEST COULD BE A DELAY?
   _______________________________________________________________________________________

10. NAME(S) AND PHONE NUMBER OF BRIDGE TENDER: ________________

11. TIME BRIDGE OPENED: ______ TIME LOST: ______

12. WHAT WAS REASON PROVIDED FOR DELAY AND WHO PROVIDED IT?: _______________________________________________________________________

13. WHAT NAVIGATIONAL OR MANEUVERING DIFFICULTIES WERE CAUSED BY DELAY?: __________________________________________________________________

14. PRINTED OR TYPED NAME(S) AND ADDRESS(ES) OF REPORTING SOURCE(S): ____________________________

15. PHONE NUMBERS AND/OR E-MAIL FOR REPORTING SOURCE(S) (FOR ADDITIONAL QUESTIONS BY COAST GUARD AND FOR FINAL STATUS OF REPORT): ____________________________

   ____________________________________
   (SIGNATURE)
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 D09-DG-District-D9-ATON-Support@uscg.mil 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
Hazardous Weather Outlook Extended to the Eastern Pacific Ocean

In coordination with the National Weather Service (NWS) and the National Hurricane Center (NHC), the US Coast Guard is pleased to announce the addition of a new Hazardous Weather Outlook (HWO) service that covers the Eastern Pacific Ocean. This service is available to all those who could benefit from advanced warning of hazardous weather in both coastal regions and open waters. As with the currently available Western Atlantic Hazardous Weather Outlook, Seven Day HWO’s will be released every Wednesday with additional Situational HWO’s issued as conditions require. The service will begin on April 6th of this year, however you can sign up in advance at any time.

In the recent past several maritime tragedies and “near misses” in the coastal waters of the United States have occurred due to hazardous weather, such as the sinking of the SS El Faro in 2015. Based on recommendations by the National Transportation Safety Board (NTSB), in cooperation with the NWS and the United States Coast Guard Navigation Center (NAVCEN), developing improved methods of delivering Marine Safety Information remain a top priority.

The NWS Ocean Prediction Center (OPC) and the NHC’s Tropical and Analysis Forecast Branch (TAFB) will be providing weekly and situational reports to the USCG, who will then be making this information available to the public. Through the free online subscription service, GovDelivery, which currently offers subscribers a wide array of Marine Safety Information such as Broadcast Notice to Mariners (BNMs) and Local Notice to Mariners (LNMs) provided through USCG NAVCEN, users will be able to register to receive Hazardous Weather Outlook reports giving forewarning of major weather events.

For subscribing to Eastern Pacific Hazardous Weather Outlook reports by E-mail:


For subscribing to Eastern Pacific Hazardous Weather Outlook reports by RSS Feed:

<https://public.govdelivery.com/topics/USDHSCG_506/feed.rss>