



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

**LOCAL NOTICE TO MARINERS
WEEKLY EDITION**

District: 9

Week: 06/07

Issued by: Commander (dpw)
Ninth Coast Guard District
1240 East Ninth Street,
Cleveland, OH 44199-2060
Telephone: (216) 902-6073

Direct questions about this LNM to the above address.

District Nine Internet Address <http://www.uscg.mil/d9/uscgd9.html>

** NIS watchstander, 24 hours a day at (703) 313-5900 ** **Internet Address** <http://www.navcen.uscg.gov/>

Light List Reference: Commandant Publication P16502.7, VOL VII, 2006 Edition

Coast Pilot Reference: 2006 U.S. Coast Pilot 6 Great Lakes 35th Edition

Coast Pilot Corrections Reference download web page: <http://nauticalcharts.noaa.gov/nsd/cpdownload.htm>

The Local Notice to Mariners is available on the Internet at <http://www.navcen.uscg.gov/lnm/d9/default.htm>. 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 has been incorporated into this week-s Local Notice to Mariners:

Sector Buffalo, NY - B005-07 through B005-07

Ninth District - C007-07 through C008-07

Sector Detroit, MI - D010-07 through D014-07

Sector Lake Michigan, WI - M015-07 through M030-07

Sector Sault Ste Marie, MI - S013-07 through S014-07

ABBREVIATIONS

A through I

ACOE - Army Corps of Engineers
ADRIFT - Buoy Adrift
AICW - Atlantic Intracoastal Waterway
B - Buoy
BKW - Breakwater
B - Refer to Light List
BNM - Broadcast Notice to Mariner
CG - Refer to Light List
CHAN - Channel
CGD - Coast Guard District
CR - Refer to Light List
C/O - Cut Off
CONT - Contour
CONSTR - Construction
CRK - Creek
CONST - Construction
DBN - Daybeacon
DBD/DAYBD - Dayboard
DBN/DEST - Daybeacon Destroyed
DBN IMCH - Daybeacon Improper
Characteristic
DISCON - Discontinued
DMGD - Daybeacon Damaged
EST - Established Aid

K through M

KBG - Refer to Light List
KBG-I - Refer to Light List
KBR - Refer to Light List
KBR-I - Refer to Light List
KBW - Refer to Light List
KGB - Refer to Light List
KGB-I - Refer to Light List
KGR - Refer to Light List
KGR-I - Refer to Light List
KGW - Refer to Light List
KGW-I - Refer to Light List
KRB - Refer to Light List
KRB-I - Refer to Light List
KRG - Refer to Light List
KRG-I - Refer to Light List
KRW - Refer to Light List
KWB - Refer to Light List
KWB-I - Refer to Light List
KWG - Refer to Light List
KWG-I - Refer to Light List
KWR - Refer to Light List
KWR-I - Refer to Light List
LAT - Latitude
LB - Lighted Buoy

N through Z

NB - Refer to Light List
N/C - Not Charted
ND - Refer to Light List
NG - Refer to Light List
NGA - National Geospatial-Intelligence Agency
NL - Refer to Light List
NO - Number
NOS - National Ocean Service
NR - Refer to Light List
NW - Refer to Light List
NW - Notice Writer
NY - Refer to Light List
OBSCU - Obscured
OBST - Obstruction
OBSTR - Obstruction
PRIV - Private Aid
RBN - Radio Beacon
REBUILT - Aid Rebuilt
RECOVERED - Aid Recovered
RED - Red Buoy
REDINT - Reduced Intensity
RRL - Range Rear Light
RELIGHTED - Aid Relighted
RELOC - Relocated

EVAL - Evaluation
EXT - Extinguished
FL - Flashing
FS - Fog Signal
HAZ - Hazard to Navigation
HBR - Harbor
HOR - Horizontal Clearance
HT - Height
ICW - Intracoastal Waterway
IMCH - Improper Characteristic
INL - Inlet
INOP - Not Operating
ISL - Islet
-

LBB - Lighted Bell Buoy
LHB - Lighted Horn Buoy
LGB - Lighted Gong Buoy
LONG - Longitude
LNM - Local Notice to Mariners
LT - Light
LT CONT - Light Continuous
LWB - Lighted Whistle Buoy
LWP - Left Watching Properly
MISS - Missing
MR - Refer to Light List
MR-I - Refer to Light List

RESET ON STATION - Aid Reset on Station
RFL - Range Front Light
RIV - River
SEC - Section
SG - Green Square
SG-SY - Green Square with Yellow Square
SHL - Shoaling
SND - Sound
TEMP - Temporary Aid Change
St M - Statute Mile
TR - Red Triangle
TRLB - Temporarily Replaced by Lighted Buoy
TRLT - Temporarily Replaced by Light
TR-TY - Red Triangle with Yellow Triangle
TRUB - Temporarily Replaced by Unlighted Buoy

Additional Abbreviations Specific to this LNM Edition:

DMGD - Damaged
MSLD SIG - Misleading Signal
REDUCED INT DAY - Burning During the Day
SS - Sound Signal

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

USACE NOTICE TO NAVIGATION INTERESTS

The following Federal Channels have conditional surveys recently completed and can be seen at the USACE Detroit District web site at: <http://www.lre.usace.army.mil/who/operationsofficehomepage/latestnotices/index.cfm?> and <http://www.lre.usace.army.mil/who/operationsofficehomepage/noticetonavigationinterest/>, the USACE Chicago District website at: http://www.lrc.usace.army.mil/co%2Do/Nav_Notice.htm, and the USACE Buffalo District website at: <http://www.lrb.usace.army.mil/> Saginaw River, MI - St. Marys River, MI

LNM: 48/06

LORAN-C OPERATIONS, GREAT LAKES CHAIN (RATE 8970)

The Great Lakes Chain (RATE 8970) will be testing chain operations and stability under time of transmission (TOT) control beginning at 0300 GMT on 17 January 2007. As this transition takes place, users may notice a shift in their measured time differences or reported lat/long as the stations timing values are set to their nominal values for the duration of this test. Users should not experience any tracking errors or service interference during the test. Users will be notified of any changes to the test and when testing is completed. Loran users are encouraged to report any Loran service outages that they may experience via the navigation Information service (NIS) by calling (703)313-5900 or by using the navcen web site's report a Loran problem worksheet at www.navcen.uscg.gov.

LNM: 48/06

LORAN-C OPERATIONS, Loran Station Dana, IN (RATE 9960-Z)

Loran Station Dana, IN (RATE 9960-Z) will be on air testing the Loran Data Channel from 1600 GMT 13 February 2007 until further notice. The test broadcast will use pulse position modulation of a ninth pulse added one thousand microseconds after the standard pulse group. Throughout the test period the signal will meet all service performance parameters published in the 1994 specification of the Loran-C signal. Users should not experience any tracking errors or service interference from this test broadcast. Users will be notified of any changes to the test schedule and when the testing is complete. Loran users are encouraged to report any Loran service degradation or outages that they may experience via the navigation information service (NIS) by calling (703) 313-5900 or by using the navcen web site's report a Loran problem worksheet at www.navcen.uscg.gov. Additional information on the Loran data channel and the 1994 Loran-C signal specification may also be found at this website.

LNM: 01/07

The Dates of Latest Editions, Nautical Charts and Miscellaneous Maps

The Dates of Latest Editions, Nautical Charts and Miscellaneous Maps, dated January 1, 2007, published by the National Ocean Service, is available for issue. It may be obtained free by mail from the FAA/National Aeronautical Charting Office, Distribution Division AVN-530, 10201 Good Luck Road, Glenn Dale MD, 20769-9700, by telephone at 1-800-638-8972, or from your local authorized nautical chart sales agent. This is a quarterly publication listing the most recent editions of nautical charts, miscellaneous maps and publications relating to navigation, weather, etc. with brief descriptions and newly updated prices for most of the publications listed. Much of this information may also be obtained online at: <http://chartmaker.ncd.noaa.gov/mcd/dole.htm>

LNM: 05/07

GREAT LAKES - Great Lakes Water Levels

The expected water levels on the Great Lakes for February 05, 2006. Connecting Channels and the St. Lawrence River, given in inches above (+) or below (-) Low Water Datum (LWD). LWD is a plane of reference used on a navigation chart. It is also known as chart Datum.

Great Lakes:

Lake Ontario +34, Lake Erie +33, Lake St. Clair +22, Lake Michigan-Huron +0, Lake Superior -12.

St Lawrence River:

Above Long Sault Dam +58, Above Iroquois Dam +45, Ogdensburg +44, Alexandria Bay +36, Head of River at Cape Vincent +34.

Detroit River:

Lake Erie at Pelee Passage +33, Mouth of River at Gibraltar +29, Head of River above Belle Isle +22.

St. Clair River:

Mouth of River at St. Clair Flats +22, Algonac +18, St. Clair +10, Blue Water Bridge +4, Head of River at Fort Gratiot +0, Lake Huron

Approach Channel +0.

St. Marys River:

Mouth of River at Detour +0, West and Middle Neebish +1, Head of Little Rapids -3, Below Locks -5, Above Locks -11, Head of River at Point Iroquois -12

Available water depth is determined for a location by adding (if +) or subtracting (if -) the amount from the above to the water depth shown on National Oceanic and Atmosphere Administration (NOAA) navigational charts. Caution: Depths so determined are representative of a still water surface elevation, disturbed by neither wind nor other causes. Depth, however, may be reduced or increased as much as several feet for short periods of time due to these disturbances, or when sections of channels develop shoals. Vessel masters should refer to the Local Notice to Mariners for extent of shoaling and scattered bedrock projections in all channels. For further information direct inquires to: Department of the Army, Detroit District Corps of Engineers P. O. Box 1027, Detroit, MI 48231, (313) 226-6443. Additional information can be found on the U.S. Army Corps of Engineers Information Center website at

<http://www.lre.usace.army.mil/greatlakes/hh/greatlakeswaterlevels/waterlevelforecasts/connectingchannelsforecasts/index.cfm?>

LNM: 04/07

LAKE ERIE - Ashtabula Harbor - Chart 14836

The following buoys will be replaced with experimental lighted ice buoys for year round use. The buoys are lighted spar buoys. Characteristics will remain the same. The nominal range of the light will be 3 miles.

Ashtabula Harbor Lighted Buoy -3- (LLNR 3765)

Ashtabula Harbor Junction lighted Buoy -A- (LLNR 3770)

Ashtabula East Basin Lighted Buoy -1- (LLNR 3780)

Ashtabula East Basin Lighted Buoy -2- (LLNR 3785)

Erie Harbor Entrance Lighted Buoy 2 (LLNR 3520)

LNM: 49/06

LAKE ERIE - Buffalo Harbor - Chart 14820

Buffalo Harbor Light (LLNR 2680) due to damage to the solar power supply system the light will be temporarily lighted with a characteristic of Fl G 2.5s with a reduced range of 12 miles.

LNM: 50/06

DETROIT RIVER - Livingstone Channel - Winter Navigation Rules - Chart 14848

Winter navigation rules are in effect for the Livingstone Channel. IAW provisions of title 33, U.S. Code of Federal Regulations, Section 162.134(a), the Livingstone Channel, West of Bois Blanc Island, is open to up bound and down bound vessels. Vessels shall not meet or pass in the Livingstone Channel between Livingstone Channel Upper Entrance Light LL7195 and Bar Point Pier D33 light LL6995. Up bound vessels shall report to MCTS Sarnia on VHF Channel 12 One hour prior to entering the normal one way portion of the Livingstone Channel and again upon exiting that portion of the channel. Down bound vessels shall include in their normal reports to MCTS Sarnia at the Belle Isle Light calling-in-point an ETA to entering the Livingstone Channel and shall report again upon exiting. Down bound vessels reporting at grassy island light calling-in-point in advance of the Livingstone Channel will normally have the right of way over up bound vessels which have not reported at the Detroit River Light LL636. However, ice and weather conditions may dictate that up bound vessels are allowed to clear the Livingstone Channel prior to down bound transits. MCTS Sarnia will prioritize traffic as necessary to resolve conflict between up bound and down bound traffic. The Amherst burg Channel remains open to navigation but mariners are advised that aids to navigation remain in an unmonitored status.

LNM: 52/06

LAKE MICHIGAN - Ludington Harbor - Shoaling - Chart 14937

Shoaling has been reported in Ludington Harbor Channel, in view of Ludington South Pierhead Light 6 (LLNR 18560). Depths were reported as

LAKE MICHIGAN - Ludington Harbor - Shoaling - Chart 14937

shallow as 14 feet along the south edge of the channel and 24 feet mid-channel.

LNM: 27/06

LAKE MICHIGAN - Waukegan Harbor, IL - Shoaling - Chart 14904

Shoaling has been reported in the Waukegan Harbor Channel. The shoaling protrudes approximately 200 feet into the channel from the north. Available depths have been reduced to 10 feet southeast of the Waukegan North Breakwater.

LNM: 38/06

LAKE MICHIGAN - WI - Milwaukee Harbor - Menomonee River - Chart 14917

A submerged barge is partially obstructing the channel at mile 1.7 of the Menomonee River. The barge is located on the north bank and protrudes approximately 40 feet into the navigable channel. Mariners are advised to transit the area with caution.

LNM: 38/06

LAKE MICHIGAN - MI, Holland Harbor - Shoaling - Chart 14932

Shoaling has been reported in Holland Harbor. Depths of less than 16 feet were reported at the entrance to the channel.

LNM: 50/06

LAKE MICHIGAN - WI - Milwaukee Harbor - Chart 14924

The USCG received a report that 150 tons of steel sheeting was dumped into the south end of the Milwaukee Mooring Basin in approximate position 43-00.6N 087-53.87W. Mariners are urged to exercise extreme caution when transitting the area.

LNM: 04/07

SECTION II - DISCREPANCIES

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

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
3870	FAIRPORT HARBOR WEST BREAKWATER LIGHT	LT EXT	14837	B004-07	05/07	
4060	CLEVELAND HARBOR EAST ENTRANCE LIGHT 2	LT EXT	14839	B005-07	05/07	
4160	CLEVELAND HARBOR MAIN ENTRANCE LIGHT	LT EXT	14839	B003-07	03/07	
8550	LAKE ST CLAIR LIGHTED BUOY 26	MISSING	14853	D005-07	02/07	
15595	SUPERIOR ENTRY SOUTH BREAKWATER LIGHT	LT IMCH	14975	S014-07	06/07	
21170	STURGEON BAY SHIP CANAL BUOY 23	OFF STA	14919	M012-07	04/07	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
18720	MUSKEGON NORTH BREAKWATER LIGHT	WATCHING PROPERLY	14934	M021-07	06/07	06/07

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
9840	RECORDS POINT DOCK LOWER LIGHT	LT EXT	14853	D080-06	25/06	
20775	PORT WASHINGTON SOUTH PROJECTION JETTY LIGHT	LT EXT	14904	M393-06	36/06	

DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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None

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End
None					

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
None					

SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

TEMPORARY CHANGES

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
2680	BUFFALO HARBOR LIGHT	TRLT	14833		50/06	
14597	CHRISTMAS LIGHT	DISCONTINUED	14969		02/07	
20680	MENOMONEE RIVER OBSTRUCTION LIGHTED BUOY	ESTABLISHED	14924		31/06	
21305	PLUM ISLAND RANGE FRONT LIGHT	TRLT	14909	M231-04	33/04	

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
None						

None

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End
None					

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
None					

None

SECTION IV - CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.

This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only. **It is up to the mariner to decide which chart(s) are to be corrected.** The following example explains individual elements of a typical chart correction.

Chart Number	Chart Edition	Edition Date	Last Local Notice to Mariners	Horizontal Datum Reference	Source of Correction	Current Local Notice to Mariners
12327	91st Ed.	19-APR-97	Last LNM: 26/97	NAD 83		27/97
<i>Chart Title:</i> NY-NJ-NEW YORK HARBOR - RARITAN RIVER						
Main Panel 2245 NEW YORK HARBOR					CGD01	
(Temp) ADD	NATIONAL DOCK CHANNEL BUOY 3				at 40-41-09.001N	074-02-48.001W
	Green can					
Corrective Action	Object of Corrective Action					Position

(Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true.

Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles (NM) unless otherwise noted.

14830	31st Ed.	01-JUN-04	Last LNM: 05/07	NAD 83		06/07
<i>Chart Title:</i> West End of Lake Erie;Port Clinton Harbor;Monroe Harbor;Lorain to Detroit River (Metric);Vermilion						
Main Panel 1151 WEST END OF LAKE ERIE MICHIGAN . Page/Side: E						
CHANGE	Maumee Bay Entrance Light 2 (LLNR 6050) From FI R 2.5s 44ft 13 St M "2" RACON (-) HORN BELL				CGD09 41-49-31.919N	083-11-36.717W
	To FI R 2.5s 44ft 12 St M "2" RACON (-) BELL at					
14847	31st Ed.	01-FEB-05	Last LNM: 05/07	NAD 83		06/07
<i>Chart Title:</i> Toledo Harbor;Entrance Channel to Harbor						
Main Panel 1250 TOLEDO HARBOR OHIO. Page/Side: N/A						
CHANGE	Maumee Bay Entrance Light 2 (LLNR 6050) From MAUMEE BAY ENT LT FI R 2.5s 44ft 13 St M "2" RACON (-) HORN BELL				CGD09 41-49-31.919N	083-11-36.717W
	To MAUMEE BAY ENT LT FI R 2.5s 44ft 12 St M "2" RACON (-) BELL at					
14848	57th Ed.	01-JUL-04	Last LNM: 47/06	NAD 83		06/07
<i>Chart Title:</i> Detroit River						
Extension 1253 DETROIT RIVER MICHIGAN EXTENSION. Page/Side: N/A						
DELETE	Channel Limits PT C 1 OF 3; Chart No. 1 I20 (NOS NW-13658)				NOS 42-07-25.280N	083-10-41.950W
DELETE	Channel Limits PT C 2 OF 3; Chart No. 1 I20 (NOS NW-13658)				NOS 42-07-22.380N	083-10-33.000W
DELETE	Channel Limits PT C 3 OF 3; Chart No. 1 I20 (NOS NW-13658)				NOS 42-07-21.810N	083-10-29.230W
ADD	Channel Limits PT D 1 OF 3; Chart No. 1 I20 (NOS NW-13658)				NOS 42-07-25.280N	083-10-41.950W
ADD	Channel Limits PT D 2 OF 3; Chart No. 1 I20 (NOS NW-13658)				NOS 42-07-22.200N	083-10-34.930W
ADD	Channel Limits PT D 3 OF 3; Chart No. 1 I20 (NOS NW-13658)				NOS 42-07-21.810N	083-10-29.230W
Main Panel 1252 DETROIT RIVER . Page/Side: N/A						
DELETE	Channel Limits PT A 1 OF 3; Chart No. 1 I20 (NOS NW-13658)				NOS 42-07-25.280N	083-10-41.950W
DELETE	Channel Limits PT A 2 OF 3; Chart No. 1 I20 (NOS NW-13658)				NOS 42-07-22.380N	083-10-33.000W
DELETE	Channel Limits PT A 3 OF 3; Chart No. 1 I20 (NOS NW-13658)				NOS 42-07-21.810N	083-10-29.230W
CHANGE	Depth Legend - FLEMING CHANNEL; 24 FEET FOR WIDTH OF 800-1200 FEET NOV 1996 - OCT 2006 (NOS NW-13658)				NOS 42-21-18.690N	082-55-44.200W
ADD	Channel Limits PT B 1 OF 3; Chart No. 1 I20 (NOS NW-13658)				NOS 42-07-25.280N	083-10-41.950W
ADD	Channel Limits PT B 2 OF 3; Chart No. 1 I20 (NOS NW-13658)				NOS 42-07-22.200N	083-10-34.930W
ADD	Channel Limits PT B 3 OF 3; Chart No. 1 I20 (NOS NW-13658)				NOS 42-07-21.810N	083-10-29.230W

ADD	Channel Limits PT H 2 OF 3; Chart No. 1 120 (NOS NW-13658)	NOS 42-07-22.200N	083-10-34.930W		
ADD	Channel Limits PT H 3 OF 3; Chart No. 1 120 (NOS NW-13658)	NOS 42-07-21.810N	083-10-29.230W		
14863	31st Ed.	01-OCT-05	Last LNM: 05/07	NAD 83	06/07
<i>ChartTitle: Saginaw Bay;Port Austin Harbor;Caseville Harbor;Entrance to Au Sable River;Sebewaing Harbor;Tawas Harbor</i>					
Main Panel 1316 SAGINAW BAY . Page/Side: N/A					
CHANGE	depth note - POINT LOOKOUT HARBOR(AU GRES RIVER); depth note - POINT LOOKOUT HARBOR(AU GRES RIVER) to: A controlling depth of 6 feet was available from North Pier Light "4" to 900 yards past the end of the parallel piers, thence 3 1/2 feet for a distance of 1300 yards, thence 2 1/2 feet to the end of the project. JUN 2004 - SEP 2006 (NOS NW-13618)	NOS 44-05-05.800N	083-38-17.800W		
14865	16th Ed.	26-JUN-99	Last LNM: 27/99	NAD 83	06/07
<i>ChartTitle: South End of Lake Huron</i>					
Main Panel 1326 SOUTH END OF LAKE HURON . Page/Side: N/A					
SUBSTITUTE	Sounding in Feet; 27 ft for 28 ft (NOS NW-13407)	NOS 43-03-42.480N	082-25-01.510W		
CHANGE	Depth Legend - Lake Huron; 27 FEET FOR MID-WIDTH OF 750 FEET AUG 2006 (NOS NW-13407)	NOS 43-02-00.000N	082-24-58.250W		
CHANGE	Depth Legend - Lake Huron; 28 FEET AUG 1994 - AUG 2006 (NOS NW-13407)	NOS 43-04-14.080N	082-24-52.230W		
ADD	Sounding in Feet; 27 ft (NOS NW-13407)	NOS 43-03-35.210N	082-25-02.470W		
14880	32nd Ed.	01-SEP-05	Last LNM: 43/06	NAD 83	06/07
<i>ChartTitle: Straits of Mackinac</i>					
Main Panel 1333 STRAITS OF MACKINAC. Page/Side: N/A					
DELETE	Security Zone PT I 1 OF 4; Chart No. 1: N1.2 with label: SECURITY ZONE 165.928 (see note A) (NOS NW-13497)	NOS 45-47-08.900N	084-44-18.300W		
DELETE	Security Zone PT I 2 OF 4; Chart No. 1: N1.2 with label: SECURITY ZONE 165.928 (see note A) (NOS NW-13497)	NOS 45-50-50.900N	084-43-42.300W		
DELETE	Security Zone PT I 3 OF 4; Chart No. 1: N1.2 with label: SECURITY ZONE 165.928 (see note A) (NOS NW-13497)	NOS 45-47-14.900N	084-43-38.700W		
DELETE	Security Zone PT I 4 OF 4; Chart No. 1: N1.2 with label: SECURITY ZONE 165.928 (see note A) (NOS NW-13497)	NOS 45-50-54.000N	084-43-03.700W		
14881	32nd Ed.	01-OCT-04	Last LNM: 43/06	NAD 83	06/07
<i>ChartTitle: Detour Passage to Waugoshance Pt.;Hammond Bay Harbor;Mackinac Island;Cheboygan;Mackinaw City;St. Ignace</i>					
Main Panel 1334 LAKE HURON STRAITS OF MACKINAC DE TOUR PASSAGE TO WAUGOSHANCE POINT. Page/Side: N/A					
DELETE	Security Zone PT J 1 OF 4; Chart No. 1: N1.2 with label: SECURITY ZONE 165.928 (see note A) (NOS NW-13497)	NOS 45-47-08.900N	084-44-18.300W		
DELETE	Security Zone PT J 2 OF 4; Chart No. 1: N1.2 with label: SECURITY ZONE 165.928 (see note A) (NOS NW-13497)	NOS 45-50-50.900N	084-43-42.300W		
DELETE	Security Zone PT J 3 OF 4; Chart No. 1: N1.2 with label: SECURITY ZONE 165.928 (see note A) (NOS NW-13497)	NOS 45-47-14.900N	084-43-38.700W		
DELETE	Security Zone PT J 4 OF 4; Chart No. 1: N1.2 with label: SECURITY ZONE 165.928 (see note A) (NOS NW-13497)	NOS 45-50-54.000N	084-43-03.700W		
14902	29th Ed.	01-JAN-05	Last LNM: 45/06	NAD 83	06/07
<i>ChartTitle: North end of Lake Michigan, including Green Bay</i>					
Main Panel 1362 NORTH END OF LAKE MICHIGAN INCLUDING GREEN BAY. Page/Side: N/A					
DELETE	Security Zone PT K 1 OF 4; Chart No. 1: N1.2 with label: SECURITY ZONE 165.928 (see note A) (NOS NW-13497)	NOS 45-47-08.900N	084-44-18.300W		

DELETE	Security Zone PT K 2 OF 4; Chart No. 1: N1.2 with label: SECURITY ZONE 165.928 (see note A) (NOS NW-13497)	NOS 45-50-50.900N	084-43-42.300W
DELETE	Security Zone PT K 3 OF 4; Chart No. 1: N1.2 with label: SECURITY ZONE 165.928 (see note A) (NOS NW-13497)	NOS 45-47-14.900N	084-43-38.700W
DELETE	Security Zone PT K 4 OF 4; Chart No. 1: N1.2 with label: SECURITY ZONE 165.928 (see note A) (NOS NW-13497)	NOS 45-50-54.000N	084-43-03.700W

14904 **26th Ed.** **01-AUG-03** **Last LNM: 44/06** **NAD 83** **06/07**

ChartTitle: Port Washington to Waukegan;Kenosha;North Point Marina;Port Washington;Waukegan

Inset 1368 KENOSHA HARBOR WISCONSIN. Page/Side: N/A

DELETE	Sounding in Feet; 6 ft (NOS NW-13713)	NOS 42-35-19.200N	087-48-27.800W
DELETE	Sounding in Feet; 6 ft (NOS NW-13713)	NOS 42-35-19.300N	087-48-29.200W
DELETE	Sounding in Feet; 7 ft (NOS NW-13713)	NOS 42-35-20.300N	087-48-27.800W
DELETE	Sounding in Feet; 7 ft (NOS NW-13713)	NOS 42-35-20.300N	087-48-29.200W
SUBSTITUTE	Sounding in Feet; 11 ft for 7 ft (NOS NW-13713)	NOS 42-35-20.500N	087-49-05.500W
SUBSTITUTE	Sounding in Feet; 9 ft for 10 ft (NOS NW-13713)	NOS 42-35-22.400N	087-49-04.700W
CHANGE	depth legend - KENOSHA HARBOR; 11 FT NOV 2006 (NOS NW-13713)	NOS 42-35-24.800N	087-49-06.200W
CHANGE	depth legend - KENOSHA HARBOR; 14 FT NOV 2006 (NOS NW-13713)	NOS 42-35-17.800N	087-48-47.800W
CHANGE	depth legend - KENOSHA HARBOR; 25 FT NOV 2006 (NOS NW-13713)	NOS 42-35-20.500N	087-48-00.000W
CHANGE	depth legend - KENOSHA HARBOR; 7 FT NOV 2006 (NOS NW-13713)	NOS 42-35-18.700N	087-48-25.400W
ADD	Sounding in Feet; 11 ft (NOS NW-13713)	NOS 42-35-17.720N	087-49-06.960W
ADD	Sounding in Feet; 9 ft (NOS NW-13713)	NOS 42-35-18.400N	087-49-06.700W
ADD	Sounding in Feet; 9 ft (NOS NW-13713)	NOS 42-35-19.200N	087-48-30.200W

14906 **24th Ed.** **01-FEB-05** **Last LNM: 29/99** **NAD 83** **06/07**

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

Inset 1378 SOUTH HAVEN MICHIGAN. Page/Side: N/A

CHANGE	depth legend - South Haven Harbor; 10 FT JUL 2006 (NOS NW-13520)	NOS 42-24-06.800N	086-17-09.700W
CHANGE	depth legend - South Haven Harbor; 9 1/2 FT JUL 2006 (NOS NW-13520)	NOS 42-24-15.600N	086-16-36.300W

14932 **23rd Ed.** **01-APR-03** **Last LNM: 33/06** **NAD 83** **06/07**

ChartTitle: Holland Harbor

Main Panel 1487 HOLLAND HARBOR . Page/Side: N/A

CHANGE	Depth Legend - Holland Harbor to:; 16 FT SEP 2006 (NOS NW-13745)	NOS 42-46-41.000N	086-09-03.000W
CHANGE	Depth Legend - Holland Harbor to:; 17 FT MAR - SEP 2006 (NOS NW-13745)	NOS 42-46-51.000N	086-08-37.000W
CHANGE	Depth Legend - Holland Harbor to:; 18 1/2 FT SEP 2006 (NOS NW-13745)	NOS 42-46-42.000N	086-09-32.000W
CHANGE	Depth Legend - Holland Harbor to:; 19 FT APR - SEP 2006 (NOS NW-13745)	NOS 42-46-21.600N	086-12-27.300W
CHANGE	Depth Legend - Holland Harbor to:; 20 FT SEP 2006 (NOS NW-13745)	NOS 42-46-33.000N	086-11-08.000W

14933 **24th Ed.** **01-MAY-02** **Last LNM: 40/06** **NAD 83** **06/07**

ChartTitle: Grand Haven, including Spring Lake and Lower Grand River

Main Panel 1488 GRAND HAVEN INCLUDING SPRING LAKE AND LOWER GRAND RIVER. Page/Side: N/A

DELETE	Sounding in Feet; 6 (NOS NW-13433)	NOS 43-04-33.610N	086-13-24.260W
CHANGE	Depth Legend - Grand Haven Harbor to:; 16 FT FOR MID-WIDTH OF 150 FT SEP 2006 (NOS NW-13433)	NOS 43-04-39.400N	086-13-43.300W
CHANGE	Depth Legend - Grand Haven Harbor to:; 7 FEET 2006 (NOS NW-13433)	NOS 43-04-33.900N	086-13-21.240W
ADD	Sounding in Feet; 6 (NOS NW-13433)	NOS 43-04-33.800N	086-13-23.500W

14937 **24th Ed.** **01-OCT-02** **Last LNM: 28/06** **NAD 83** **06/07**

ChartTitle: Ludington Harbor

Main Panel 1493 LUDINGTON HARBOR . Page/Side: N/A

DELETE	Sounding in Feet; 13 (NOS NW-13733)	NOS 43-57-06.700N	086-27-37.800W
DELETE	Sounding in Feet; 20 (NOS NW-13733)	NOS 43-57-07.400N	086-27-37.900W
DELETE	Sounding in Feet; 21 (NOS NW-13733)	NOS 43-57-06.700N	086-27-36.600W
DELETE	Sounding in Feet; 26 (NOS NW-13733)	NOS 43-57-06.400N	086-27-31.100W
SUBSTITUTE	Sounding in Feet; 22 for 19 (NOS NW-13733)	NOS 43-57-03.500N	086-27-20.400W
SUBSTITUTE	Sounding in Feet; 26 for 25 (NOS NW-13733)	NOS 43-57-06.700N	086-27-33.700W
SUBSTITUTE	Sounding in Feet; 26 for 27 (NOS NW-13733)	NOS 43-57-06.100N	086-27-28.300W
CHANGE	Depth Legend - LUDINGTON HARBOR to:; 26 FEET OCT 2005- NOV 2006 (NOS NW-13733)	NOS 43-57-08.400N	086-27-47.300W
CHANGE	Depth Legend - LUDINGTON HARBOR to:; 27 FEET NOV 2006 (NOS NW-13733)	NOS 43-57-04.800N	086-27-18.700W
ADD	Sounding in Feet; 21 (NOS NW-13733)	NOS 43-57-02.900N	086-27-19.000W
ADD	Sounding in Feet; 24 (NOS NW-13733)	NOS 43-57-06.600N	086-27-37.200W
ADD	Sounding in Feet; 24 (NOS NW-13733)	NOS 43-57-06.600N	086-27-38.600W
ADD	Sounding in Feet; 26 (NOS NW-13733)	NOS 43-57-04.800N	086-27-23.000W

14938 **23rd Ed.** **13-SEP-97** **Last LNM: 01/99** **NAD 83** **06/07**

ChartTitle: Manistee Harbor and Manistee Lake

Main Panel 1494 MANISTEE HARBOR . Page/Side: N/A

DELETE	Sounding in Feet; 16 (NOS NW-13435)	NOS 44-15-09.280N	086-20-54.730W
DELETE	Sounding in Feet; 17 (NOS NW-13435)	NOS 44-15-08.040N	086-20-54.120W
DELETE	Sounding in Feet; 21 (NOS NW-13435)	NOS 44-15-08.510N	086-20-55.230W
SUBSTITUTE	Sounding in Feet; 12 for 14 (NOS NW-13435)	NOS 44-15-07.780N	086-20-52.740W
SUBSTITUTE	Sounding in Feet; 13 for 17 (NOS NW-13435)	NOS 44-15-07.000N	086-20-51.630W
SUBSTITUTE	Sounding in Feet; 15 for 17 (NOS NW-13435)	NOS 44-15-00.600N	086-20-42.130W
SUBSTITUTE	Sounding in Feet; 15 for 19 (NOS NW-13435)	NOS 44-15-11.120N	086-20-55.150W
SUBSTITUTE	Sounding in Feet; 16 for 14 (NOS NW-13435)	NOS 44-15-10.110N	086-20-54.130W
CHANGE	Depth Legend - Manistee Harbor to:; 18 FEET OCT 2006 (NOS NW-13435)	NOS 44-15-04.900N	086-20-52.200W
CHANGE	Depth Legend - Manistee Harbor to:; 18 FEET SEP 2003 - OCT 2006 (NOS NW-13435)	NOS 44-14-51.700N	086-19-54.700W
ADD	Sounding in Feet; 14 (NOS NW-13435)	NOS 44-15-10.100N	086-20-55.500W
ADD	Sounding in Feet; 16 (NOS NW-13435)	NOS 44-15-07.100N	086-20-53.100W

ADD Sounding in Feet; 17 (NOS NW-13435) NOS 44-15-08.500N 086-20-56.600W

14965 21st Ed. 01-JAN-03 Last LNM: 40/06 NAD 83 06/07

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

Main Panel 1511 REDRIDGE TO SAXON HARBOR . Page/Side: N/A

ADD NOTE Z: NO-DISCHARGE ZONE; NOTE Z: NO-DISCHARGE ZONE, 40 CFR 140 Michigan waters of Lakes Michigan, Huron, Superior, Erie, and St. Clair, all waterways connected thereto, and all inland lakes are designated as a No-Discharge Zone (NDZ). Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. Commercial vessel sewage shall include graywater. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http (NOS NW-13416) NOS 46-28-01.870N 090-13-43.300W

ADD No-Discharge Zones magenta dashed limit line (N1.2) PT 1 OF 2; No-Discharge Zones magenta dashed limit line (N1.2) (NOS NW-13416) NOS 46-34-05.000N 090-25-05.000W

ADD No-Discharge Zones magenta dashed limit line (N1.2) PT 2 OF 2; No-Discharge Zones magenta dashed limit line (N1.2) (NOS NW-13416) NOS 47-16-31.000N 089-58-04.000W

ADD label: NO-DISCHARGE ZONE (see note Z); label: NO-DISCHARGE ZONE (see note Z) (NOS NW-13416) NOS 46-36-55.180N 090-21-52.690W

14966 27th Ed. 01-MAY-05 Last LNM: 48/06 NAD 83 06/07

ChartTitle: Little Girls Point to Silver Bay, including Duluth and Apostle Islands;Cornucopia Harbor;Port Wing Harbor;Knife River Harbor;Two Harbors

Inset 1518 CORNUCOPIA WISCONSIN. Page/Side: N/A

DELETE Sounding in Feet; 5 ft (NOS NW-13720) NOS 46-51-29.270N 091-06-08.620W

CHANGE CORNUCOPIA HARBOR depth legend; 5 1/2 FT OCT 2006 (NOS NW-13720) NOS 46-51-28.300N 091-06-09.600W

CHANGE CORNUCOPIA HARBOR depth legend; 5 1/2 FT OCT 2006 (NOS NW-13720) NOS 46-51-30.310N 091-06-04.740W

CHANGE CORNUCOPIA HARBOR depth legend; 8 FT OCT 2006 (NOS NW-13720) NOS 46-51-32.520N 091-06-11.000W

ADD Sounding in Feet; 3 ft (NOS NW-13720) NOS 46-51-30.500N 091-06-02.200W

ADD Sounding in Feet; 3 ft (NOS NW-13720) NOS 46-51-34.430N 091-06-14.820W

ADD Sounding in Feet; 4 ft (NOS NW-13720) NOS 46-51-25.500N 091-06-10.400W

Main Panel 1515 LITTLE GIRLS POINT TO SILVER BAY - INCLUDING APOSTLE ISLAND. Page/Side: N/A

ADD NOTE Z: NO-DISCHARGE ZONE; NOTE Z: NO-DISCHARGE ZONE, 40 CFR 140 Michigan waters of Lakes Michigan, Huron, Superior, Erie, and St. Clair, all waterways connected thereto, and all inland lakes are designated as a No-Discharge Zone (NDZ). Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. Commercial vessel sewage shall include graywater. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http (NOS NW-13416) NOS 46-28-36.330N 090-32-21.360W

ADD No-Discharge Zones magenta dashed limit line (N1.2) PT 1 OF 2; No-Discharge Zones magenta dashed limit line (N1.2) (NOS NW-13416) NOS 46-34-05.000N 090-25-05.000W

ADD No-Discharge Zones magenta dashed limit line (N1.2) PT 2 OF 2; No-Discharge Zones magenta dashed limit line (N1.2) (NOS NW-13416) NOS 46-42-30.780N 090-19-46.830W

14967 22nd Ed. 03-AUG-96 Last LNM: 19/06 NAD 83 06/07

ChartTitle: Beaver Bay to Pigeon Point;Silver Bay Harbor;Taconite Harbor;Grand Marais Harbor

Main Panel 1520 BEAVER BAY TO PIGEON POINT . Page/Side: N/A

ADD NOTE Z: NO-DISCHARGE ZONE; NOTE Z: NO-DISCHARGE ZONE, 40 CFR 140 Michigan waters of Lakes Michigan, Huron, Superior, Erie, and St. Clair, all waterways connected thereto, and all inland lakes are designated as a No-Discharge Zone (NDZ). Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. Commercial vessel sewage shall include graywater. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http (NOS NW-13416) NOS 48-02-38.000N 089-53-59.000W

ADD No-Discharge Zones magenta dashed limit line (N1.2) PT 1 OF 2; No-Discharge Zones magenta dashed limit line (N1.2) (NOS NW-13416) NOS 48-00-47.050N 089-29-02.160W

ADD No-Discharge Zones magenta dashed limit line (N1.2) PT 2 OF 2; No-Discharge Zones magenta dashed limit line (N1.2) (NOS NW-13416) NOS 47-12-21.000N 090-00-47.700W

ADD label: NO-DISCHARGE ZONE (see note Z); label: NO-DISCHARGE ZONE (see note Z) (NOS NW-13416) NOS 47-18-39.330N 089-37-11.650W

ADD label: NO-DISCHARGE ZONE (see note Z); label: NO-DISCHARGE ZONE (see note Z) (NOS NW-13416) NOS 47-35-11.870N 089-37-34.200W

14968 28th Ed. 01-SEP-04 Last LNM: 27/99 NAD 83 06/07

ChartTitle: Grand Portage Bay, Minn. to Shesbeeb Point, Ont.

Main Panel 1524 LAKE SUPERIOR GRAND PORTAGE BAY MINN TO SHESHEEB POINT ONT - ISLE ROYALE MICHIGAN. Page/Side: N/A

ADD No-Discharge Zones magenta dashed limit line (N1.2) PT 1 OF 2; No-Discharge Zones magenta dashed limit line (N1.2) (NOS NW-13416) NOS 48-00-46.560N 089-29-02.250W

ADD No-Discharge Zones magenta dashed limit line (N1.2) PT 2 OF 2; No-Discharge Zones magenta dashed limit line (N1.2) (NOS NW-13416) NOS 47-42-33.790N 089-41-05.430W

14972 26th Ed. 01-MAY-04 Last LNM: 05/07 NAD 83 06/07

ChartTitle: Keweenaw Waterway, including Torch Lake;Hancock and Houghton

Main Panel 1531 KEWEENAW WATERWAY MICHIGAN INCLUDING TORCH LAKE. Page/Side: N/A

CHANGE Depth Legend - KEWEENAW WATERWAY to:; 19 FT 2006 (NOS NW-13482) NOS 47-13-27.500N 088-37-29.800W

CHANGE Depth Legend - KEWEENAW WATERWAY to:; 18 FT SEP 2006 (NOS NW-13482) NOS 47-13-42.100N 088-37-39.400W

CHANGE Depth Legend - KEWEENAW WATERWAY to:; 19 FT SEP 2006 (NOS NW-13482) NOS 47-13-51.900N 088-37-45.700W

CHANGE Depth Legend - KEWEENAW WATERWAY to:; 20 FT SEP 2006 (NOS NW-13482) NOS 47-11-47.000N 088-37-09.600W

CHANGE Depth Legend - KEWEENAW WATERWAY to:; 23 1/2 FT 2006 (NOS NW-13482) NOS 47-13-11.500N 088-37-19.000W

CHANGE Depth Legend - KEWEENAW WATERWAY to:; 23 FT SEP 2006 (NOS NW-13482) NOS 47-12-45.400N 088-37-08.000W

CHANGE Depth Legend - KEWEENAW WATERWAY to:; 25 FT SEP 2006 (NOS NW-13482) NOS 47-14-04.600N 088-37-53.800W

ADD	Sounding in Feet; 11, depth curves and blue tint (NOS NW-13482)	NOS 47-07-28.900N	088-36-32.600W
ADD	Sounding in Feet; 12 (NOS NW-13482)	NOS 47-13-43.900N	088-37-35.800W
ADD	Sounding in Feet; 13 (NOS NW-13482)	NOS 47-13-34.100N	088-37-37.300W
ADD	Sounding in Feet; 16 (NOS NW-13482)	NOS 47-11-58.840N	088-37-06.510W
ADD	Sounding in Feet; 16 (NOS NW-13482)	NOS 47-13-30.510N	088-37-34.750W

14973 **27th Ed.** **01-FEB-03** **Last LNM: 42/06** **NAD 83** **06/07**

ChartTitle: **Apostle Islands, including Chequamegan Bay;Bayfield Harbor;Pikes Bay Harbor;La Pointe Harbor**

Main Panel 1533 APOSTLE ISLANDS . Page/Side: N/A

ADD	NOTE Z: NO-DISCHARGE ZONE; NOTE Z: NO-DISCHARGE ZONE, 40 CFR 140 Michigan waters of Lakes Michigan, Huron, Superior, Erie, and St. Clair, all waterways connected thereto, and all inland lakes are designated as a No-Discharge Zone (NDZ). Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. Commercial vessel sewage shall include graywater. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http (NOS NW-13416)	NOS 46-33-58.250N	090-36-57.100W
ADD	No-Discharge Zones magenta dashed limit line (N1.2) PT 1 OF 2; No-Discharge Zones magenta dashed limit line (N1.2) (NOS NW-13416)	NOS 46-34-05.000N	090-25-05.000W
ADD	No-Discharge Zones magenta dashed limit line (N1.2) PT 2 OF 2; No-Discharge Zones magenta dashed limit line (N1.2) (NOS NW-13416)	NOS 46-37-06.100N	090-23-11.230W
ADD	label: NO-DISCHARGE ZONE (see note Z); label: NO-DISCHARGE ZONE (see note Z) (NOS NW-13416)	NOS 46-35-11.000N	090-23-48.000W

14975 **34th Ed.** **01-JAN-05** **Last LNM: 42/06** **NAD 83** **06/07**

ChartTitle: **Duluth-Superior Harbor;Uppers St. Louis River**

Main Panel 1538 DULUTH-SUPERIOR HARBOR. Page/Side: N/A

ADD	Safety Zone PT 1 OF 4; Chart No. 1: N1.2 and label: SAFETY ZONE 165.927 (see note A) (NOS NW-13664)	NOS 46-43-10.000N	092-10-31.660W
ADD	Safety Zone PT 2 OF 4; Chart No. 1: N1.2 and label: SAFETY ZONE 165.927 (see note A) (NOS NW-13664)	NOS 46-43-06.240N	092-10-31.660W
ADD	Safety Zone PT 3 OF 4; Chart No. 1: N1.2 and label: SAFETY ZONE 165.927 (see note A) (NOS NW-13664)	NOS 46-43-06.240N	092-09-41.760W
ADD	Safety Zone PT 4 OF 4; Chart No. 1: N1.2 and label: SAFETY ZONE 165.927 (see note A) (NOS NW-13664)	NOS 46-43-10.040N	092-09-41.760W

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

<u>Approved Project(s)</u>	<u>Project Date</u>	<u>Ref. LNM</u>
None		
<p>LAKE ONTARIO - Sodus Bay - Chart 14814</p> <p>Newark Island Lighted Buoy "2" (LLNR 2200) change the buoy from a red Lighted Buoy FI R 4s to an orange and white regulatory marker, marked in black letters "Danger Rocks" with a lighted characteristic Q F.</p>		LNM: 04/07
<p>LAKE ERIE - Lorain Harbor, OH - Chart 14841</p> <p>Lorain Harbor Light (LLNR 4320) reduce the range of the light from 21 miles to 12 miles. Operate the fog signal by keying VHF marine radio channel 79A five times.</p>		LNM: 49/06
<p>LAKE ERIE - Ashtabula Harbor - Chart 149836</p> <p>Ashtabula River Lighted Buoy "2" (LLNR 3795) change from a seasonal lighted buoy marked by a winter mark to a seasonal lighted buoy maintained from 01 May to 01 Nov with no wintermark.</p>		LNM: 01/07
<p>LAKE ERIE - Buffalo Harbor - Chart 14833</p> <p>Reduce the nominal range of the following aids from 4 to 3 miles: Black Rock Canal Lighted Buoy "11" (LLNR 2835) Black Rock Canal Lighted Buoy "26" (LLNR 2900)</p>		LNM: 01/07
<p>LAKE ERIE - Upper Niagara River - Chart 14832</p> <p>Reduce the nominal range of the following aids from 4 to 3 miles: Strawberry Island Cut Lighted Buoy "1" (LLNR 2985) Strawberry Island Cut Lighted Buoy "15" (LLNR 3091)</p>		LNM: 01/07
<p>LAKE HURON - Alpena - Chart 14864</p> <p>Alpena Light (LLNR 11370) Change the light characteristic from FI R 5s to FI R 6s. Reduce the nominal range from 14 to 12 miles. Energize the fog signal by keying VHF Marine radio on channel 79 five times.</p>		LNM: 07/06
<p>LAKE HURON - Harrisville to Forty Mile Point - Chart 14864</p> <p>Sturgeon Point Light (LLNR 11345) change to private aid. Characteristics and range will remain the same.</p>		LNM: 01/07
<p>LAKE MICHIGAN - Menominee and Marinette Harbors - Chart 14917</p>		

Establish the following buoys to mark the Regulated Navigation Area (RNA) on the Menominee River. The buoys will be maintained from 14 April to 07 November.

Menominee River RNA Buoy "A" (LLNR 21943) Yellow Nun with a black letter "A" in position 45-05-59.5N and 087-36-48.6W

Menominee River RNA Buoy "B" (LLNR 21956) Yellow Can with a black letter "B" in position 45-06-03.5N and 087-37-14.5W

LNM: 05/07

LAKE MICHIGAN - Muskegon Lake - Chart 14934

Muskegon South PHD LT (LLNR 18710) reduce the nominal range of the light from 10 to 6 miles.

LNM: 20/05

LAKE MICHIGAN - St. Joseph - Chart 14930

St. Joseph North Pier Inner Light (LLNR 19520) move light to rail and reduce range to 9 miles.

LNM: 49/06

LAKE MICHIGAN - Manistee - Chart 14938

Manistee North Pierhead Light (LLNR 18450) reduce the nominal range of the light from 15 to 12 miles. Energize the fog signal by keying VHF Marine radio on channel 79 five times.

LNM: 07/06

LAKE MICHIGAN - Chicago Harbor - Chart 14928

Chicago Harbor Light (LLNR 19960) - Reduce the nominal range of the light from 24 to 15 miles. Discontinue the floodlights. Operate the fog signal with a user activated system by keying VHF marine radio frequency 79A five times.

LNM: 49/06

LAKE MICHIGAN - Waukegan to South Haven - chart 14905

Michigan city East Pierhead Light (LLNR 19545) change the operation of the Fog Signal to a user activated system. Operate the fog signal by keying the VHF marine radio frequency 79A five times.

LNM: 49/06

LAKE MICHIGAN - Manitowoc Harbor - Chart 14922

Manitowoc Breakwall Light LLNR 20860) Reduce the range of the light from 15 to 12 miles. Operate the fog signal by keying VHF marine radio channel 79 five times.

LNM: 01/07

LAKE MICHIGAN - Milwaukee Harbor - Chart 14924

Milwaukee Breakwater Light (LLNR 20635) Discontinue the floodlights. Operate the fog signal by keying VHF Marine radio frequency channel 79 five times.

LNM: 01/07

LAKE MICHIGAN - Port Washington to Waukegan - Chart 14904

Waukegan Harbor Light (LLNR 20315) Reduce the range of the light from 14 to 12 miles. Operate the fog signal by keying VHF marine radio channel 79 five times.

LNM: 01/07

LAKE MICHIGAN - Waugoshance Point to Choix Point - Chart 14911

Gull Island Light (LLNR 21530) change the nominal range from 11 to 9 miles.

LNM: 04/07

LAKE SUPERIOR - Ontonagon Harbor W. Pierhead Light, On-Demand Fog Signal - Chart 14965

The Coast Guard will solarize and install an on-demand fog signal system in Ontonagon Harbor W. Pierhead Light (LLNR 15225). Energize the fog signal by keying VHF Marine radio on channel 79 five times.

LNM: 11/05

LAKE SUPERIOR - Two Harbors East Breakwater Light, On-Demand Fog Signal - Chart 14965

The Coast Guard will solarize and install an on-demand fog signal system in Two Harbors East Breakwater Light (LLNR 16505). Energize the fog signal by keying VHF Marine radio on channel 79 five times.

LNM: 12/05

LAKE SUPERIOR - Grand Marais - Chart 14967

Grand Marais Harbor of Refuge Outer Light (LLNR 14550) Activate the fog signal by keying VHF Marine radio on channel 79 five times.

LNM: 30/06

LAKE SUPERIOR - Grand Portage to Shesheeb Point - chart 14968

Passage Island Light (LLNR16835) Operate the fog signal with a user activated system operated by keying the VHF channel 79A five times to energize.

LNM: 43/06

LAKE SUPERIOR - Keweenaw Waterway - Chart 14972

Keweenaw Waterway Lower Entry Light (LLNR 14765) change the characteristic from Oc W 4s to FI W 6s. Reduce the nominal range of the light from 15 to 12 miles. Operate the fog signal by keying VHF Marine Radio Channel 79A five times.

LNM: 49/06

SECTION VI - PROPOSED CHANGES

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond in writing to the District office unless otherwise noted (see banner page for address).

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

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

LAKE ERIE - Buffalo Harbor - Chart 14833

Buffalo Harbor Light (LLNR 2689) change the characteristic of the light to FI G 2.5s and the range of the light to 12 miles.

LNM: 04/07

LAKE ERIE - Dunkirk Harbor - Chart 14823

Dunkirk Harbor Lighted Buoy "2" (LLNR 3415) maintain on station from 28 April to 01 December vise 21 April to 01 December.

LNM: 06/07

LAKE ERIE - Maumee Bay - Chart 14830, 14847

Maumee Bay Entrance Channel Light "2" (LLNR 6050) reduce the range of the light from 13 to 12 miles. The characteristic will remain the same. Operate the bell as advertised 1 strike every 30s year round. Eliminate the back up fog signal.

LNM: 04/07

LAKE MICHIGAN - WI - Two Rivers Harbor, Proposed Bridge Replacement and Construction, Chart 14903

Commander, Ninth Coast Guard District, has received an application from Wisconsin Department of Transportation to construct a fixed replacement highway bridge on essentially the same alignment as the existing 16th Street/Madison Street bascule bridge at Mile 0.81 over West Twin River in Two Rivers, Wisconsin.

MINIMUM NAVIGATIONAL CLEARANCES:

Existing	Proposed
Horizontal: 70 feet between piers, normal to the axis of the channel	Horizontal: 59 feet between piers, normal to the axis of the channel
Vertical: 14 feet - Low Water Datum corresponds to elevation of 578.5 feet above Mean Tide at New York	Vertical: 14 feet above Low Water Datum, IGLD 85, Lake Michigan

A fendering system will not be utilized. The Federal Highway Administration (FHWA) is the lead federal agency for purposes of the National Environmental Policy Act (NEPA). Interested parties are requested to express their views, in writing, on the proposed bridge project giving sufficient detail to establish a clear understanding of their reasons for support of or opposition to the proposed work. Comments will be received for the record at the office of Commander (dpb), Ninth Coast Guard District, 1240 East 9th Street, Cleveland, Ohio, 44199-2060, through February 27, 2007. These comments will be made part of the case record. Map of location and plans are attached as enclosure [5].

LNM: 05/07

LAKE MICHIGAN - Port Washington to Waukegan - Chart 14904

Waukegan Breakwater Light (LLNR 20335) change the aid from a non-lateral aid to a lateral aid. Change the light from FI W (2) 5s to FI R 2.5s. Change the daymark from a white cylindrical tower with a black band to a white cylindrical tower with a red band.

LNM: 50/06

LAKE MICHIGAN - Indiana Harbor - Charts 14926, and 14929

Indiana Harbor East Breakwater Light (LLNR 19675) reduce the range of the light from 20 to 12 miles. Operate the fog signal by keying VHF Marine Radio microphone 5 times on channel 79.

LNM: 51/06

LAKE SUPERIOR - Duluth/Superior Harbor - Chart 14975

Change the range of the following lighted buoys from 4 to 3 miles:
Allouez Bay Lighted Buoy "3" (LLNR 15640)
Superior Front Channel Lighted Buoy "19" (LLNR 15825)
Duluth Harbor Basin Lighted Buoy "2" (LLNR 15875)
St. Louis Bay South Channel (Eastern Section) Lighted Buoy "2A" (LLNR 16070)
St. Louis Bay Cross Channel Lighted Buoy "6" (LLNR 16105)

LNM: 05/07

LAKE SUPERIOR - Grand Marais to Big Bay Point - Chart 14963

Christmas Light (LLNR 14597) discontinue light as an aid to navigation.

LNM: 02/07

For any comments or questions on these proposed changes please contact

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 Study - 2007

The Coast Guard is conducting a Waterways Analysis and Management System Study on the following waterways during 2007. The study focuses on the area's aid to navigation system, waterborne commerce, marine casualty information, emergency response plans, routine and emergency communication capabilities, and future development projects. Any company or individual wishing to provide comments or participate in a user survey should contact the office listed below each study area.

Lake Erie - Dunkirk Harbor - chart 14823

Contact: Commanding Officer (Aids To Navigation Officer)
U.S. Coast Guard Sector Buffalo
1 Fuhrmann Blvd
Buffalo, N.Y. 14203-3189
(716) 843-9505

Lake Erie - Cleveland Harbor - chart 14839

Lake Erie - Monroe Harbor - chart 14830

Lake Erie - Toledo/Maumee Channel - chart 14846

Contact: Commanding Officer
USCGC Bristol Bay (WTGB 102)
110 Mt. Elliot St.
Detroit, Michigan 48207-4380
(313) 568-9548

Lake St. Clair/St. Clair River - Lake St. Clair/St. Clair River/Huron Cut - chart 14850,14853,14852,14862

Contact: Commanding Officer
USCGC Hollyhock (WLB 214)
P.O. Box 610786
Foot of Lincoln Ave.
Port Huron, Michigan 48061-0786
(810) 982-2684

Lake Huron - Tawas Bay - chart 14863

Contact: Commander (Aid to Navigation Officer)
U.D. Coast Guard Sector Detroit
110 Mt. Elliot Ave.
Detroit, Michigan 48207-4380
(313) 568-9523

Lake Huron/Lake Michigan - Mackinaw Straits - chart 14881

Contact: Commanding Officer
USCGC Mackinaw (WLBB 30)
632 Coast Guard Drive
Cheboygan, Michigan 49783-9501
(231) 596-2030

St. Marys River - St. Marys River - chart 14882, 14883

Contact: Commanding Officer
USCGC Buckthorn (WLI 642)
337 Water St.
Sault Ste. Marie, Michigan 49783-9501
(906) 635-3288

Lake Michigan - Menominee Harbor - chart 14917

Lake Michigan - Port Washington - chart 14904

Contact: Commanding Officer (Aids to Navigation Officer)
U.S. Coast Guard Sector Lake Michigan
2420 South Lincoln Memorial Drive
Milwaukee, Wisconsin 53207-1997
(414) 747-7101

LNM: 04/07

***** REVISED LNM 06/07 *****

LAKE MICHIGAN -MI - Manistee Harbor, Scheduled Bridge Rehabilitation, Chart 14938

Electrical rehabilitation of the Maple Street Bascule Bridge at Mile 1.1 over the Manistee River will be conducted from March 1 through April 7, 2007. During this period, the bridge will not open for masted navigation. [51/06] [06/07]

LNM: 06/07

LAKE MICHIGAN - IL - Calumet Harbor, Scheduled Bridge Roadbed Rehabilitation, Chart 14926, Pages 25

Roadbed rehabilitation will be performed on the 95th Street Bridge at Mile 1.09 over the Calumet River from February 5 through April 13, 2007. Normal work hours will be from 0700-1500, Monday through Friday. During work hours, the bridge will require two-hour advance notice for opening. Mariners are urged to pass with caution.

LNM: 06/07

GREAT LAKES - GENERAL - MARINE EVENTS

Events listed below are those events that do not have accompanying special local regulations. Mariners transiting these areas are not required to contact the U.S. Coast Guard, but are asked to exercise caution when navigating through the area of the event. Summary located in Enclosure (2)

SECTION VIII - LIGHT LIST CORRECTIONS

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
None							

ENCLOSURES

(1) Summary of Dredging

[SUMMARY OF DREDGIN2.pdf](#)

Construction Operations in Effect

(2) Great Lakes - General - Marine Events

[GREAT LAKES.pdf](#)

Summary of Marine Events

(3) LAKE MICHIGAN - Sturgeon Bay and Canal

[image \(5\).pdf](#)

Proposed Changes to Navigation

(4) LAKE MICHIGAN - WI - Two Rivers Harbor, Chart 14903

[image \(5\).pdf](#)

Proposed Bridge Replacement and Construction

John E. Crowley, JR
Rear Admiral, U. S. Coast Guard
Commander, Ninth Coast Guard District

SUMMARY OF DREDGING/CONSTRUCTION OPERATIONS IN EFFECT

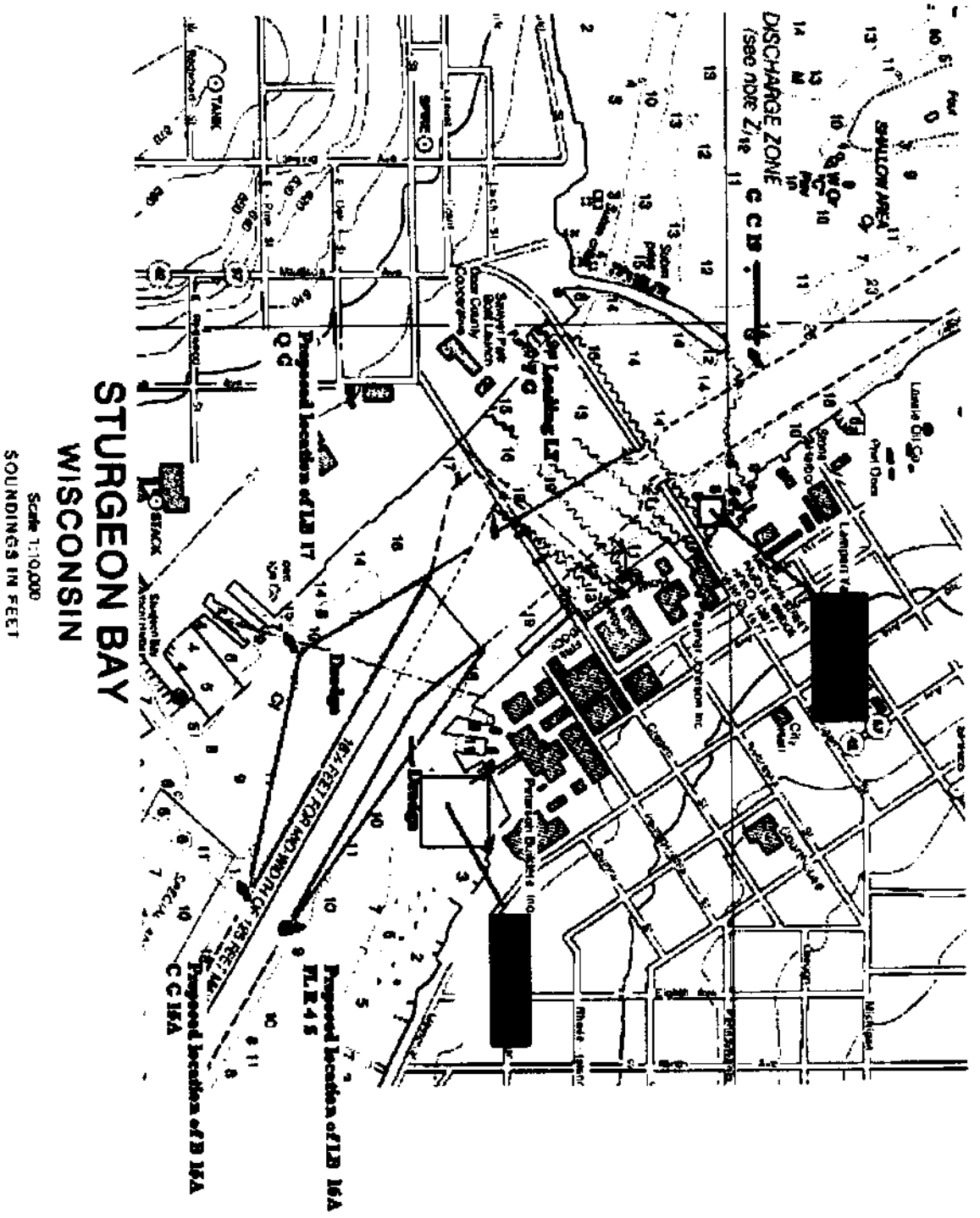
The LNM column is where the entry originally appeared and where detailed information may be obtained. The dates listed for completions are tentative.

<u>Location</u>	<u>LNLM</u>	<u>Subject</u>	<u>Hours / Days</u>	<u>Until</u>
<u>LAKE ONTARIO</u>				
Irondequoit Bay, NY	42/06	BRIDGE CLOSURE FOR WINTER SEASON	24 HRS/ 7 DAYS A WK	02 APR 07
<u>LAKE ERIE</u>				
Lorain Harbor, OH	31/06	STRIKE OBSTRUCTION REMOVAL	24 HRS/ 7 DAYS A WK	TBD
Toledo Harbor, OH	35/06	SCAFFOLDING BELOW THE BRIDGE	VARIOUS	01 MAY 07
Ashtabula Harbor, OH	46/06	WINTER BRIDGE OPERATING SCHEDULE	VARIOUS	01 APR 07
Cleveland Harbor, OH	52/06	WINTER BRIDGE OPERATING SCHEDULE	0600-1430/ MON – FRI	12 MAR 07
Sandusky Harbor, OH	10/05, 02/07	BRIDGE REHABILITATION	0700-1700/ MON – FRI	30 JUN 07
Toledo Harbor, OH	41/03, 02/07	BRIDGE CONSTRUCTION	VARIOUS	01 AUG 07
Toledo Harbor, OH	41/06, 02/07	SCHEDULED BRIDGE REHABILITATION	VARIOUS	15 MAR 07
Lorain Harbor, OH	51/06, 05/07	SCHEDULED BRIDGE PAINTING	0800-1600/ MON – FRI	16 FEB 07
<u>LAKE ST. CLAIR</u>				
Port Huron Harbor, MI	42/06	SCHEDULED BRIDGE REHABILITATION	24 HRS/ 7 DAYS A WK	15 MAR 07
<u>STRAITS OF MACKINAC</u>				
Mackinac Bridge, MI	21/04, 49/06	BRIDGE MAINTENANCE AND CLEARANCE REDUCTION	VARIOUS	05 JUL 07
<u>LAKE HURON</u>				
Cheboygan Harbor, MI	44/06	WINTER OPERATING SCHEDULE	VARIOUS	31 MAR 07
Saginaw Harbor, MI	48/06, 01/07	SCHEDULED REHABILITATION	VARIOUS	01 APR 07
<u>LAKE MICHIGAN</u>				
Chicago Harbor, IL	11/06, 12/06	SCHEDULED BRIDGE PAINTING	0700-1800/ MON – SAT	TBD
Burns Harbor, IL	27/06	SCHEDULED BRIDGE DEMOLITION	VARIOUS	TBD
Milwaukee Harbor, WI	42/06	WINTER BRIDGE OPERATING SCHEDULE	VARIOUS	01 APR 07
Sturgeon Bay Ship Canal, WI	43/06	SCHEDULED BRIDGE CONSTRUCTION	VARIOUS	15 MAR 07
Milwaukee Harbor, WI	44/06	SCHEDULED MAINTENANCE	0600-1730/ MON – SAT	17 NOV 07
Milwaukee Harbor, WI	44/06	WINTER BRIDGE OPERATING SCHEDULE	VARIOUS	14 APR 07
Chicago Harbor, IL	45/06	SCHEDULED BRIDGE REHABILITATION	VARIOUS	10 APR 07
Milwaukee Harbor, WI	28/05, 47/06	SCHEDULED REHABILITATION	VARIOUS	01 JUN 07
Chicago Harbor, IL	49/06	SCHEDULED DEMOLITION OF BRIDGE STRUCTURE	0700-1530/ MON – SAT	28 FEB 07
Milwaukee Harbor, WI	49/06	SCHEDULED BRIDGE MAINTNENANCE	VARIOUS	31 MAR 07
Grand Haven Harbor, MI	50/06	SCHEDULED BRIDGE REHABILITATION	DAYLIGHT/ MON – FRI	15 MAR 07
Milwaukee Harbor, WI	50/06	SCHEDULED REHABILITATION OF BRIDGE STRUCTURE	VARIOUS	23 MAR 07
Milwaukee Harbor, WI	51/06	SCHEDULED BRIDGE REHABILITATION	VARIOUS	14 APR 07
Hammond, IN	52/06	HYDRAULIC DREDGING AND BEACH NOURISHMENT	24 HRS/ 7 DAYS	01 APR 07
Chicago Harbor, IL	47/06, 02/07	BRIDGE REHABILITATION	VARIOUS	31 MAR 07
Chicago Harbor, IL	49/06, 03/07	SCHEDULED DEMOLITION OF BRIDGE STRUCTURE	0700-1530/ MON – SAT	30 MAR 07
Milwaukee Harbor, WI	50/06, 03/07	SCHEDULED BRIDGE REHABILITATION	0600-1730/ MON – SAT	30 APR 07
Two Rivers Harbor, WI	04/07	PROPOSED BRIDGE REPLACEMENT AND CONSTRUCTION		27 FEB 07
Calumet Harbor, IL	06/07	SCHEDULED BRIDGE ROADBED REHABILITATION	0700-1500/MON-FRI	13 APR 07
Manistee Harbor, MI	51/06, 06/07	SCHEDULED BRIDGE REHABILITATION	VARIOUS	07 APR 07
<u>LAKE SUPERIOR</u>				
Duluth Harbor, MN	52/06	SCHEDULED BRIDGE MAINTENANCE	VARIOUS	09 MAR 07

GREAT LAKES - GENERAL - MARINE EVENTS

Events listed below are those events that do not have accompanying special local regulations. Mariners transiting these areas are not required to contact the U.S. Coast Guard, but are asked to exercise caution when navigating through the area of the event.

Location	LNM	Events	Dates	Time (Local)
Chicago, IL	01/07	Remax Conference	17 February 2007	2000-2015





January 26, 2007

PUBLIC NOTICE 09-01-07

All interested parties are notified that an application has been received from the State of Wisconsin Department of Transportation (WI-DOT) by Commander, Ninth Coast Guard District, for approval of location and plans for construction of a replacement fixed highway bridge over a navigable waterway of the United States.

WATERWAY AND LOCATION: State Highway 310 (Madison Street), West Twin River, Mile 0.82, City of Two Rivers, Manitowoc County, Wisconsin.

CHARACTER OF WORK: Construction of a fixed replacement highway bridge on essentially the same crossing.

MINIMUM NAVIGATIONAL CLEARANCES:

Existing

Horizontal: 70 feet between piers,
normal to the axis of the channel

Vertical: 14 feet - Low Water
Datum corresponds to elevation of 578.5 feet
above Mean Tide at New York

Proposed

Horizontal: 59 feet between piers,
normal to the axis of the channel

Vertical: 14 feet above Low Water
Datum, IGLD 85, Lake Michigan

ENVIRONMENTAL CONSIDERATIONS:

The Federal Highway Administration (FHWA), the lead federal agency, has determined this project to be Categorical Excluded from further documentation for purposes of the National Environmental Policy Act (NEPA). The Categorical Exclusion (CE) is dated September 9, 2005. The FHWA field office mailing address is: Federal Highway Administration, Wisconsin Division, Highpoint Office Park, 567 D-Onofrio Drive, Suite 100, Madison, WI, 53719. The documents are available for review at the above address, Monday through Friday, 7:00 a.m. to 3:00 p.m.

A fendering system will be not be utilized.

The proposed piers and abutments for the proposed bridge would be in the floodplain. The elevation of the 100-year floodplain in this area is 579.5 feet.

Expected wetlands impacts would be approximately 0.10 acres for structural fill to be placed in the water for piers. Wisconsin Department of Natural Resources (WDNR) has received application for this work but has not provided approval.

The Wisconsin Coastal Management Program has waived its federal consistency authority for Coastal Zone Management considerations on this project since consistency will be determined by the Wisconsin Department of Natural Resources as part of their overall permitting for the project and their cooperative agreement with Wisconsin Department of Transportation for such projects. Wisconsin Department of Natural Resources (WDNR) has received application for this work but has not provided approval.

Relocation of residences and businesses will not be required.

The applicant has applied to the Wisconsin Department of Natural Resources for water quality certification as part of their overall permitting for the project.

The proposed project is not expected to impact any known historical properties.

There are no parklands expected to be affected by the project.

The proposed project is not expected to result in any direct or indirect effects on any known federal or state threatened or endangered species, though Wisconsin Department of Natural Resources (WDNR) has preliminarily determined that it will prohibit instream disturbance from March 1 through June 1 to minimize potential adverse impacts on native fish migrations and spawning activity. WDNR has also stated that swallow nests are present at the bridge and will require the area to be netted by May 15 in order to prevent birds from returning to the site, or wait until after August 15.

The project is not expected to impact minority or low-income populations, but in reference to the provisions of E.O. 12898, Environmental Justice, we are soliciting information concerning possible impacts of the proposed bridge project on minority and low-income populations.

SOLICITATION OF COMMENTS:

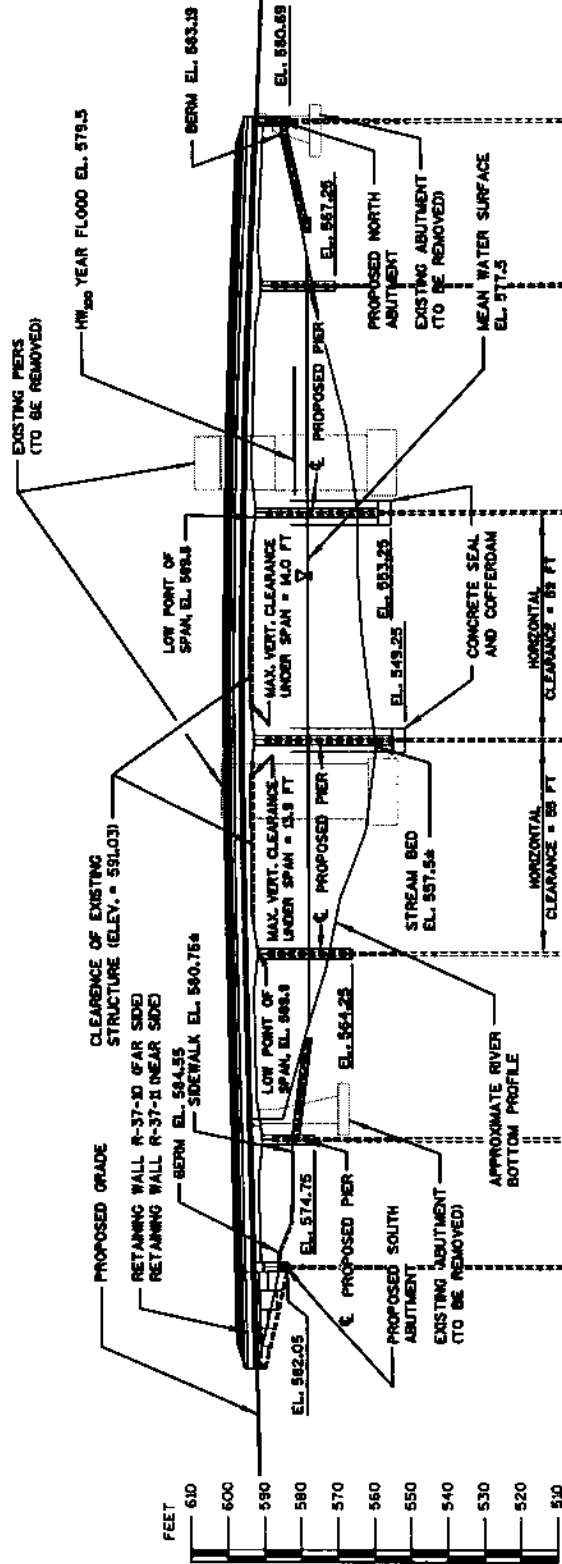
Interested parties are requested to express their views, in writing, on the proposed bridge project giving sufficient detail to establish a clear understanding of their reasons for support of or opposition to the proposed work. Comments will be received for the record at the Office of Commander (dpw-3), Ninth Coast Guard District, 1240 East Ninth Street, Cleveland, Ohio

44199, through **February 27, 2007**. These comments will be made part of the case record.

ROBERT W. BLOOM, JR.
Bridge Program Manager
By direction of Commander,
Ninth Coast Guard District

Map of location and plans attached.

NOTICE TO POSTMASTER: It is requested the above notice be conspicuously and continuously posted until **February 27, 2007**.



ELEVATION

(LOOKING WEST)
 (16-SPAN HAUNCHED SLAB BRIDGE)



DATUM = IGLD, LAKE MICHIGAN, 1985

HYDRAULIC DATA

Q _{WTOTAL}	5,500 C.F.S.
Q _{WTHRU BRIDGE}	5,500 C.F.S.
Q _{W/OVER ROAD}	0 C.F.S.
VELOCITY (THRU BRIDGE)	3.08 F.P.S.
HW ₁₀₀ ELEV.	579.54 FT.
WATERWAY AREA	1786 S.F.
DRAINAGE AREA	176 SQ. MI.
SCOUR CRITICAL CODE	5
ROADWAY OVERTOPPING	N/A
Q ₁	0 C.F.S.
HW ₁	581.42 FT.
REGULATORY HW ₁₀₀	580.29 FT.
REGULATORY HW ₅₀₀	580.29 FT.
OBS WATER SURFACE ON 9/15/03	577.0 FT.

DATE: 11/8/08

**PROJECT LOCATION MAP - ELEVATION VIEW
 WEST TWIN RIVER BRIDGE REPLACEMENT**

WEST TWIN RIVER (MILE 0.82)

CITY OF TWO RIVERS, MANITOWOC COUNTY, WISCONSIN

STH 310 (1957), SECTION 1, T19N, R24E

APPLICATION BY: WISCONSIN DEPARTMENT OF TRANSPORTATION, NE-REGION



SHEET NO. 3 OF 3

1-069.A38