



Homeland Security



# 9<sup>th</sup> DISTRICT LOCAL NOTICE TO MARINERS 37/04 MONTHLY EDITION 2004 31 AUGUST 2004

Issued by: Commander (oan)  
Ninth Coast Guard District  
1240 East Ninth Street  
Cleveland, OH 44199-2060  
Telephone: (216) 902-6069

Numbers within brackets [ / ] refer to the LNM where information was first printed. Direct questions about this LNM to the above address. The Weekly Supplemental editions of the Local Notice to Mariners contain only information subsequent to the issue date of the Monthly edition. To ensure having complete information concerning the waterways within the Ninth Coast Guard District, consult this Monthly Edition.

\*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, 2003 Edition / Coast Pilot Reference: 2004 U.S. Coast Pilot 6 Great Lakes 34th 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 Group 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:

|                            |         |         |         |                                  |         |         |         |
|----------------------------|---------|---------|---------|----------------------------------|---------|---------|---------|
| <b>Group Buffalo, NY</b>   | B124-04 | through | B127-04 | <b>Ninth District</b>            | C065-04 | through | C065-04 |
| <b>Group Detroit, MI</b>   | D171-04 | through | D178-04 | <b>Group Grand Haven, MI</b>     | G101-04 | through | G106-04 |
| <b>Group Milwaukee, WI</b> | M224-04 | through | M238-04 | <b>Group Sault Ste Marie, MI</b> | S182-04 | through | S185-04 |

## I. SPECIAL NOTICES

### U.S. COAST PILOT 6 – 2004 (34<sup>th</sup>) Edition – Change No. 03

Changes No. 12 and 13 to the U.S. Coast Pilot 6, Great Lakes 2004 34<sup>th</sup> Edition can be found in Enclosure (1) and (5) or at the following web address:  
<http://nauticalcharts.noaa.gov/nsd/cpdownload.htm> [37/04]

### 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/OandM/o&m.html>, the USACE Chicago District website at: <http://www.lrc.usace.army.mil>, and the USACE Buffalo District website at: <http://www.lrb.usace.army.mil/waterways/survey/survey.html>

|                        |                      |                      |                                       |
|------------------------|----------------------|----------------------|---------------------------------------|
| Grand Haven Harbor, MI | Menominee Harbor, WI | Manistee Harbor, MI  | Alpena Harbor, MI                     |
| Two Rivers Harbor, WI  | Sebawaing, MI        | Pensaukee Harbor, WI | St Joseph Harbor, MI [34,35,36,37/04] |

### DATES OF LATEST EDITIONS, NAUTICAL CHARTS AND MISCELLANEOUS MAPS

The Dates of Latest Editions, Nautical Charts and Miscellaneous Maps, dated July 1, 2004, published by the National Ocean Service, is available for issue. It may be obtained free by mail from the National Aeronautical Charting Office, AVN-530, Federal Aviation Administration, 6303 Ivy Lane, Suite 400, Greenbelt MD, 20770-1479, 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 up-to-date 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> [37/04]

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

The expected water levels on the Great Lakes for September 05, 2004. 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 +26, Lake Erie +27, Lake St. Clair +25, Lake Michigan-Huron +12, Lake Superior +08.

#### **St Lawrence River:**

Above Long Sault Dam +36, Above Iroquois Dam +26 Ogdensburg +30, Alexandria Bay +27, Head of River at Cape Vincent +26.

#### **Detroit River**

Lake Erie at Pelee Passage +27, Mouth of River at Gibraltar +27, Head of River above Belle Isle +25.

#### **St. Clair River**

Mouth of River at St. Clair Flats +25, Algonac +24, St. Clair +19, Blue Water Bridge +16, Head of River at Fort Gratiot +12, Lake Huron Approach Channel +12.

#### **St. Marys River**

Mouth of River at Detour +12, West and Middle Neebish +16, Head of Little Rapids +14, Below Locks +13, Above Locks +08, Head of River at Point Iroquois +08.

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 inquiries to: Department of the Army, Detroit District Corps of Engineers P. O. Box 1027, Detroit, MI 48231, (313) 226-6443. Additional information can be found on the U.S. Army Corps of Engineers Information Center website at <http://superior.lre.usace.army.mil/levels/newchan.html>. [37/04]

### **DGPS OFF AIR RQST – Milwaukee, MI – DGPS OFF-AIR REQUEST**

Request Off-Air for Milwaukee, WI DGPS site on 31 Aug. 04 from 1400Z-1600Z (0900-1100 CST). Off-Air is required for MLCA coordinated site groom. Alternate Off-Air Date is 1 Sep. 04 from 1400Z-1600Z (0900-1100 CST) POC: ETC Arthur Bunting (414) 747-7122 [27/04]

### **DGPS OFF AIR – Milwaukee, WI – DGPS OFF AIR APPROVAL**

The Milwaukee, WI DGPS site will be Off-Air 31 Aug 04 1400Z-1600Z for scheduled maintenance. Alternate Off Air Date is 01 Sep 04 1400-1600Z [35/04]

### **LORAN-C OPERATIONS, LORSTA BOISE CITY (RATE 9610-M/8970-Z)**

This is a proposal to authorize LORSTA BOISE CITY, Oklahoma (RATE 9610-M/8970-Z) unusable time from 1500 GMT to 1700 GMT 31 August 2004. The Alternate time will be from 1500 GMT to 1700 GMT 01 September 2004. Objections will be considered until 1800 GMT 25 August 2004. Users shall address inquiries to the South Central U.S. Loran-C Chain Operations Control Officer (LT J. Bailey) at 703-313-5873. Current Loran-C status is available 24 hrs/day through internet address: <http://www.navcen.uscg.gov> [32/04]

### **LORAN-C OPERATIONS, LORSTA CARIBOU (RATE 5930-M/9960-W)**

LORSTA CARIBOU, Maine (Rate 5930-M/9960-W) was unusable time from 1200Z to 1937Z 16 August and has resumed normal operations. Users shall address inquiries to the North Eastern U.S. Loran-C Chain Operations Control Officer (LT Luci Bookhammer) at 703-313-5887. Current Loran-C status is available 24 hrs/day through internet address: <http://www.navcen.uscg.gov> [35/04]

### **LORAN-C OPERATIONS, LORSTA BOISE CITY (RATE 9610-M/8970-Z)**

LORSTA BOISE CITY, Oklahoma (RATE 9610-M/8970-Z) will be unusable time from 1500 GMT to 1700 GMT 31 Users shall address inquiries to the South Central Chain Operations Control Officer (LT J. Bailey) at (703) 313-5873. Current Loran-C status is available 24 hrs/day through internet address: <http://www.navcen.uscg.gov> [37/04]

### **LORAN-C OPERATIONS, LORSTA CARIBOU (RATE 5930-M/9960-W)**

LORSTA CARIBOU, Maine (Rate 5930-M/9960-W) was unusable time from 1200Z to 1930Z 25 August and has resumed normal operations. Users shall address inquiries to the North Eastern U.S. Loran-C Chain Operations Control Officer at 703-313-5887/ 5900. Current Loran-C status is available 24 hrs/day through internet address: <http://www.navcen.uscg.gov> [37/04]

### **NEW YORK STATE CANAL SYSTEM – Erie Canal – Chart 14786**

Mariners are advised that the National Weather Service has issued a flood watch for many regions along the Canal System. Heavy rainfall is expected to overspread central and eastern New York tonight, and may continue through Thursday in already-saturated areas of the state. Delays and/or temporary closures may be required along sections of the Canal System if water levels rise dramatically and navigation in some areas becomes unsafe. Mariners are advised that high water levels, excessive current, and debris may persist even in areas of the Canal System which remain open. Buoys may be dragged off station by heavy current and debris, and mariners are requested to report any missing or off-station buoys to the New York State Canal Corporation at (518) 471-5016. For updates and information, please call 1-800-4CANAL4, or visit the New York State Canal System web site: [www.canals.state.ny.us](http://www.canals.state.ny.us). [34/04]

### **NEW YORK STATE CANAL SYSTEM – Erie Canal – Chart 14786**

Mariners are advised that the controlling vertical clearance for the Champlain Canal has returned to 17', however higher-than-normal levels of debris may still be encountered. Any updates and changes in canal status will be available at [www.canals.state.ny.us](http://www.canals.state.ny.us) and 1-800-4CANAL4. [35/04]

### **NEW YORK STATE CANAL SYSTEM – Erie Canal – Chart 14786**

Mariners are advised that the National Weather Service has issued a flood watch for many regions along the Canal System. Heavy rainfall continues to overspread many areas, especially in eastern New York. More rain is predicted for this weekend. Delays and/or temporary closures may be required along sections of the Canal System if water levels rise dramatically and navigation in some areas becomes unsafe. Mariners are advised that high water levels, excessive current, and debris may persist even in areas of the Canal System which remain open. Buoys may be dragged off station by heavy current and debris, and mariners are requested to report any missing or off-station buoys to the New York State Canal Corporation at (518) 471-5016. For updates and information, please call 1-800-4CANAL4, or visit the New York State Canal System web site: [www.canals.state.ny.us](http://www.canals.state.ny.us). [35/04]

### **NEW YORK STATE CANAL SYSTEM – Erie Canal – Chart 14786**

Temporary repairs have been made to a water control structure at Lock E-25, and the water level is expected to continue to rise. At this time, however, the water level between Lock E-25 and E-26 remains nearly 2.5' below normal levels. Any updates and changes in canal status will be available at [www.canals.state.ny.us](http://www.canals.state.ny.us) and 1-800-4CANAL4. [35/04]

### **NEW YORK STATE CANAL SYSTEM – Erie Canal – Chart 14786**

Mariners are advised that the Champlain Canal has closed from Lock C-7 in Fort Edward to Lock C-12 in Whitehall due to high water. This section will re-open as soon as navigation is deemed safe. Any updates and changes in canal status will be available at [www.canals.state.ny.us](http://www.canals.state.ny.us) and 1-800-4CANAL4. [35/04]

**LAKE ERIE – Erie Harbor – Waterways Analysis and Management System Study – Chart 14835**

The Coast Guard is conducting a Waterways Analysis and Management System (WAMS) study of the Erie Harbor Waterway. The study focuses on the area's aids to navigation system, waterborne commerce, marine casualty information, port/harbor resources, 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:

Commanding Officer  
*USCGC Hollyhock (WLB-214)*  
P. O. Box 610786  
Foot of Lincoln Ave.  
Port Huron, MI 48061-0786  
Phone: (810) 982-2684 [37/04]

**WEST END OF LAKE ERIE (LORAN C) - Chart 14830**

Great Lakes Environmental Research Laboratory deployed two white scientific research buoy, Fl Y 4s, off the Toledo Harbor Light in position 41-45.754' N 83-19.653' W and off Structure 2 in position 41-49.492' N 83-11.695' W. The buoys will be deployed from 04 May until 01 December 2004. The buoys consists of a 5 ft. high by 9 inch diameter white spar buoy. An additional buoy will be deployed at each location within the next four weeks. For further information contact Mr. Ron Muzzi at (734) 741-2007. [20/04]

**DETROIT RIVER – ST. CLAIR RIVER – Condition of Federal Navigation Channel – Charts 14848, 14852**

1. Soundings obtained during obstruction removal operations and condition surveys performed within the Federal navigation channels of the Detroit River, Lake St. Clair and the St. Clair River, Michigan and Ontario, during CY 2003, indicate shoaling as shown on the attached tables. (Refer to NOAA Charts No. 14848 and No. 14853).
2. Elevations and project depths are referred to IGLD, 1985 when Lake Erie is at elevation 569.2 ft., Lake St. Clair at 572.3 ft. and Lake Huron at 577.4 ft. above Mean Water Level at Rimouski, Quebec.
3. The information depicted in this report represents the results of surveys made on the time indicated and can only be considered as indicating the conditions existing at that time.
4. Vessel operators are advised to use caution when navigating in these areas. Obstruction removal operations have resumed and will continue through December 2004, as weather permits.
5. All inquiries should be addressed to CELRE-OT-T and should refer to Notice to Navigation Interests No. L04-09. Internet address: <http://lre.usace.army.mil>. Go to: Detroit Home Page, Who We Are, Operations Office Home Page. [17/04]

**DETROIT RIVER – East and West Channel – Waterways Analysis and Management System Study – Chart 14848**

The Coast Guard is conducting a Waterways Analysis and Management System (WAMS) study of the Detroit River East and West Channel Waterways. The study focuses on the area's aids to navigation system, waterborne commerce, marine casualty information, port/harbor resources, 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:

Commander  
*U. S. Coast Guard Group*  
110 Mt. Elliot Ave.  
Detroit, MI 48204-4380  
ATTN: ATON Officer  
Phone: (313) 568-9523 [37/04]

**LAKE HURON – Alpena Harbor – Waterways Analysis and Management System Study – Chart 14864**

The Coast Guard is conducting a Waterways Analysis and Management System (WAMS) study of the Alpena Harbor Waterway. The study focuses on the area's aids to navigation system, waterborne commerce, marine casualty information, port/harbor resources, 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:

Commanding Officer  
*USCGC Acacia (WLB-406)*  
109 Bridge Park Drive  
Charlevoix, MI 49720-9999  
Phone: (231) 547-4447 [37/04]

**LAKE HURON – Tawas Bay – Waterways Analysis and Management System Study – Chart 14863**

The Coast Guard is conducting a Waterways Analysis and Management System (WAMS) study of the Tawas Bay Waterway. The study focuses on the area's aids to navigation system, waterborne commerce, marine casualty information, port/harbor resources, 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:

Commander  
*U. S. Coast Guard Group*  
337 Water St.  
Sault Ste. Maria, MI 49783-9501  
ATTN: ATON Officer  
Phone: (906) 635-3270 [37/04]

**LAKE MICHIGAN – St. Joseph Harbor – Dredging Survey – Chart 14930**

After dredging surveys performed within the Federal Navigation 23 ft entrance channel at St. Joseph Harbor, MI during July 2004, indicate the 23ft project depth is now available. All inquiries should be addressed to CELRE-OT-T and should refer to Notice to Navigation Interests No. L04-44. Internet address: <http://www.lre.usace.army.mil>. [33/04]

**LAKE MICHIGAN – Muskegon Lake – Conservation Club Channel – Shoaling – Chart 14934**

Significant shoaling has been reported in the middle of the marked Conservation Club Channel. All mariners are advised to use caution when transiting the area. [30/04]

**LAKE MICHIGAN – Grand River – Possible Shoaling – Chart 14933**

The Coast Guard has received a report of possible shoaling on the Grand River in the vicinity of Buoy 3A (LLNR 19000), and Temporary Buoy 3B. A survey taken by the army corps of engineers on June 1<sup>st</sup> indicates depths as shallow as 14.5 ft. All mariners are urged to use caution while transiting the area. [31/04]

**LAKE MICHIGAN – New Buffalo Harbor – Possible Shoaling – Chart 14905**

The Coast Guard has received a report of shoaling in the New Buffalo Harbor entrance vicinity of New Buffalo Harbor light 2 (LLNR 19540.) All vessels should transit the area with caution. [25/04]

**LAKE MICHIGAN - Porte Des Morts Passage - Aid Temp Reduced Intensity - Chart 14909**

Plum Island FR LT (LLNR 21305) and Plum Island RR LT (LLNR 21310) are burning at reduced intensity. [supercedes 33/04] [37/04].

**LAKE MICHIGAN - Chicago Lake Front, IL - Security Zone - Chart 14927**

On 19 Aug 2004 from 1100 to 1700 there will be a Blue Angel practice show. On 20 Aug 2004 from 1000 to 1700 a practice show will be held at the North Ave. Beach site. On 21 Aug 2004 and 22 Aug 2004 from 0830 to 1800 there will be a Chicago Air and water show. And on 21 Aug 2004 there will be a Navy pier night show from 1900 to 2200. A security zone for each event will be established by the Coast Guard. Contact the Coast Guard on channel 16 for further information. [35/04]

**LAKE MICHIGAN - Calumet, Indiana, and Chicago Harbor - Waterways Analysis and Management System Study - Chart 14928 and 14929**

The Coast Guard is conducting a Waterways Analysis and Management System (WAMS) study of the Calumet, Indiana and Chicago Harbor Waterways. The study focuses on the area's aids to navigation system, waterborne commerce, marine casualty information, port/harbor resources, 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:

Commander  
**U. S. Coast Guard Group**  
2420 South Lincoln Memorial Dr.  
Milwaukee, WI 53207-1997  
ATTN: ATON Officer  
Phone: (414) 747-7188 [37/04]

**LAKE MICHIGAN - St. Joseph and Benton Harbor - Waterways Analysis and Management System Study - Chart 14930**

The Coast Guard is conducting a Waterways Analysis and Management System (WAMS) study of the St. Joseph and Benton Harbor Waterways. The study focuses on the area's aids to navigation system, waterborne commerce, marine casualty information, port/harbor resources, 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:

Commander  
**U. S. Coast Guard Group**  
650 South Harbor Dr.  
Grand Haven, MI 49417-1752  
ATTN: ATON Officer  
Phone: (616) 850-2507 [37/04]

**ST. MARYS RIVER - Munuscong Lake to Sault Ste Marie - 14883,14884**

The US Army Corps of Engineers have located shoaling in the vicinity of the Bayfield Dike Light. Shoals as much as 1.5 ft above the project depth of 28 ft have been observed. The shoaling area is located approximately 850 feet west of the Bayfield Dike Light, 500 feet long and 40 feet towards the channel. Mariners are advised to us caution when transiting this area. [34/04]

**II. DISCREPANCIES IN AIDS TO NAVIGATION as of 1000 August 31, 2004**

This section lists all changes to discrepancies. The following abbreviations are used:

|        |                               |        |                                |          |                                   |
|--------|-------------------------------|--------|--------------------------------|----------|-----------------------------------|
| B      | Buoy                          | BKW    | Breakwater                     | (C)      | Canadian Aid                      |
| CHL    | Channel                       | DAM    | Damaged                        | DAYBD    | Dayboard                          |
| DBN    | Daybeacon                     | DECOM  | Decommissioned                 | DISCON   | Discontinued                      |
| ENT    | Entrance                      | ESTB   | Established                    | EXT      | Extinguished                      |
| F/S    | Fog Signal                    | HBR    | Harbor                         | IMCH     | Improper Characteristic           |
| INOP   | Inoperative                   | JCT    | Junction                       | LB       | Lighted Buoy                      |
| LBB    | Lighted Bell Buoy             | LGB    | Lighted Gong Buoy              | LHB      | Lighted Horn Buoy                 |
| LIB    | Lighted Ice Buoy              | LT     | Light                          | LWP      | Left Watching Properly            |
| OBST   | Obstruction                   | OFFSTA | Off Station                    | MSLDG    | Misleading                        |
| (P)    | Private Aid                   | PARSUB | Partially Submerged            | PAROBSC  | Partially Obscured                |
| PHD    | Pierhead                      | RBN    | Radiobeacon                    | RAC      | Racon                             |
| DIM    | Reduced Intensity             | RELDRG | Relocated for dredging         | RELSHL   | Relocated for Shoaling            |
| RELCON | Relocated for Construction    | RF     | Range Front                    | RPTD     | Reported                          |
| RR     | Range Rear                    | (SLS)  | St. Lawrence Seaway Devel Corp | SND CONT | Sounding Continuously             |
| TRUB   | Temporarily Replaced With A B | TRLB   | Temporarily Replaced With A LB | TRLT     | Temporarily Replaced With A Light |
| W/M    | Winter Mark                   |        |                                |          |                                   |

**A. RECENT DISCREPANCIES**

| LLNR  | Name of aid                              | Status     | Charts Affected | BNM Ref. | LNM Ref. |
|-------|--|------------|-----------------|----------|----------|
| 2517  | YOUNGSTOWN SAFE BOAT ZONE LT FLOAT C (P) | LT EXT     | 14816           | B079-04  | 31/04    |
| 3450  | DUNKIRK HBR B 9                          | OFFSTA     | 14823           | B089-04  | 15/04    |
| 4775  | CEDAR PT BKW LT (P)                      | LT EXT     | 14845           | D164-04  | 34/04    |
| 5635  | NORTH BASS ISL LBB 6                     | LT EXT     | 14844           | D173-04  | 37/04    |
| 5860  | PORT CLINTON INTAKE CRIB LB (P)          | MISSING    | 14846           | D177-04  | 37/04    |
| 6190  | MAUMEE RBAY LT 29                        | LT EXT     | 14847           | D175-04  | 37/04    |
| 6355  | MAUMEE RIVER LB 62                       | LT EXT     | 14847           | D176-04  | 37/04    |
| 10130 | HARBOR BEACH LT                          | LT EXT     | 14862           | D123-04  | 28/04    |
| 11505 | NORDMEER WRK LB WR1                      | RACON INOP | 14864           | S140-04  | 30/04    |
| 14550 | GRAND MARAIS HBR OF RFG OUT LT           | F/S INOP   | 14962           | S147-04  | 31/04    |
| 17750 | WHITE SHOALS LT                          | RACON INOP | 14911           | S164-04  | 32/04    |
| 18340 | N MANITOU SHL LT                         | RACON INOP | 14912           | S170-04  | 33/04    |
| 18770 | BEAR LAKE ENTR W LT (P)                  | LT IMCH    | 14934           | G065-04  | 29/04    |
| 19275 | PORT SHELDON BKW S LT (P)                | LT EXT     | 14906           | G102-04  | 37/04    |
| 19636 | BUFFINGTON HBR INNER BKW E LT 2 (P)      | LT EXT     | 14927           | M135-04  | 27/04    |
| 19637 | BUFFINGTON HBR INNER BKW W LT 1 (P)      | LT EXT     | 14927           | M135-04  | 27/04    |
| 19775 | NIPSO OBSTR B A (P)                      | MISSING    | 14905           | M137-04  | 27/04    |
| 19875 | JACKSON PARK HBR OUTER LT 2 (P)          | LT EXT     | 14927           | M191-04  | 33/04    |

|         |                                 |          |       |         |       |
|---------|---------------------------------|----------|-------|---------|-------|
| 19880   | JACKSON PARK HBR OUTER LT 4 (P) | LT EXT   | 14927 | M191-04 | 33/04 |
| 19956.1 | NORTHERLY ISL DGR LB B (P)      | SINKING  | 14928 | M146-04 | 28/04 |
| 20235   | WILMETTE HBR ENTR S LT (P)      | LT EXT   | 14905 | M220-04 | 36/04 |
| 20245   | WILMETTE HBR PHD LT (P)         | LT EXT   | 14905 | M165-04 | 31/04 |
| 20500   | RACINE HBR LT 5 (P)             | LT DIM   | 14925 | M224-04 | 36/04 |
| 20675   | MILWAUKEE SOUTH PHD LT (P)      | LT EXT   | 14924 | M222-04 | 36/04 |
| 20729   | S SHORE PARK ENTR LB 1 (P)      | MISSING  | 14924 | M207-04 | 34/04 |
| 20757   | MCKINLEY ENTR LT 2 (P)          | LT EXT   | 14924 | M221-04 | 36/04 |
| 21070   | STURGEON BAY RR LT              | PAR OBSC | 14919 | M228-04 | 37/04 |
| 22273   | SOUTH BAY MARINA ENTR LT 2 (P)  | LT EXT   | 14918 | M127-04 | 27/04 |

**B. DISCREPANCIES CORRECTED**

| LLNR  | Name of aid                            | Status   | Charts Affected | BNM Ref. | LNM Ref. |
|-------|--|----------|-----------------|----------|----------|
| 3080  | GRAND ISL RR LT                        | PAR OBSC | 14832           | B047-04  | 22/04    |
| 3325  | HOOKER ELECTROCHEM CRIB LT (P)         | LT EXT   | 14832           | B118-04  | 33/04    |
| 3330  | HOOKER ELECTROCHEM OUTFALL CRIB LT (P) | LT EXT   | 14832           | B066-04  | 25/04    |
| 4160  | CLEVELAND HBR MAIN ENTR LT             | F/S INOP | 14839           | D171-04  | 36/04    |
| 12605 | NORTH GRAHAM SH LBB 3                  | F/S INOP | 14881           | S156-04  | 32/04    |

**III. TEMPORARY CHANGES IN AIDS TO NAVIGATION as of 1000 August 31, 2004**

**A. TEMPORARY CHANGES**

| LLNR  | Name of aid                        | Status               | Charts Affected | BNM Ref. | LNM Ref. |
|-------|------------------------------------|----------------------|-----------------|----------|----------|
| 2335  | GENESEE RIVER TURN BSN B 2         | TEMP RENUMBER TO B 4 | 14815           | B096-04  | 28/04    |
| 2337  | GENESEE RIVER LB 4                 | TEMP ESTB TRLB       | 14815           | B095-04  | 28/04    |
| 4350  | LORAIN HBR LT 6                    | TEMP MOVED           | 14841           |          | 35/03    |
| 5385  | WEST HBR ENTR LT 2                 | TEMP DISESTB         | 14844           | D172-04  | 37/04    |
| 6450  | LUNA PIER MARINA BKW LT 1 (P)      | TEMP DISCON          | 14846           | D224-01  | 23/01    |
| 6455  | LUNA PIER MARINA BKW LT 2 (P)      | TEMP DISCON          | 14846           | D224-01  | 23/01    |
| 10130 | HARBOR BEACH LT                    | LT DIM/F/S INOP      | 14862           | D123-04  | 28/04    |
| 14540 | LITTLE LAKE HBR LT 2               | TEMP DISCON          | 14962           | S046-03  | 06/03    |
| 14670 | PRESQUE ISLE BKW LT                | TEMP DISCON F/S      | 14970           |          | 20/04    |
| 19601 | MICHIGAN CITY INNER HBR B 4        | TEMP ESTB TRUB       | 14905           | G015-04  | 18/04    |
| 19602 | MICHIGAN CITY INNER HBR B 6        | TEMP ESTB TRUB       | 14905           | G015-04  | 18/04    |
| 21305 | PLUM ISL FR LT                     | TEMP LT DIM          | 14909           | M202-04  | 33/04    |
| 21310 | PLUM ISL RR LT                     | TEMP LT DIM          | 14909           | M203-04  | 33/04    |
| 21591 | LITTLE FISHDAM RIVER ACCESS LT (P) | TEMP DISCON          | 14908           | M050-01  | 09/02    |

**B. RECENT TEMPORARY CHANGES CORRECTIONS**

| LLNR | Name of aid       | Status       | Charts Affected | BNM Ref. | LNM Ref. |
|------|-------------------|--------------|-----------------|----------|----------|
| 5530 | SOUTH BASS ISL LT | TEMP DISESTB | 14844           | D161-04  | 33/04    |

**IV. CHART CORRECTIONS**

Corrective action affecting charts is contained in this section. Chart corrections are listed numerically by chart number. The correction listed pertains to that chart only. It is up to the mariner to decide what charts are to be corrected. The following example explains the individual elements of a typical correction.

| Chart number | Chart edition                          | Edition date  | Last Local Notice to Mariners | Reference datum | Source Agency of . correction | Current Notice to Mariners |
|--------------|--|---|-------------------------------|-----------------|-------------------------------|----------------------------|
| 14922        | 17th ed.                               | 4/25/92   | Last LNM 12/93                | NAD 83          | (CGD9)                        | 17/93                      |
|              | <b>MANITOWOC AND SHEBOYGAN HARBORS</b> |   |                               |                 |                               |                            |
|              | Change                                 | Manitowoc South Breakwater Light to "3" Fl G 2.5s, 37ft 8 StM |                               |                 | 44°05'29.00"N                 | 087°38'37.00"W             |
|              | Corrective action                      | Object of corrective action                                   |                               |                 | Position                      |                            |

The letter (M) immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. (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 lakeward.

|       |   |   |                |        |                |                |
|-------|---|---|----------------|--------|----------------|----------------|
| 14839 | 36th ed.  | 12/02   | Last LNM 28/04 | NAD 83 | (NOS NW -8109) | 37/04          |
|       | <b>CLEVELAND HARBOR, Including Lower Cuyahoga River</b> |   |                |        |                |                |
|       | Add   | Tabulation - Cleveland Harbor Channel centered at |                |        | 41°28'37.00"N  | 081°43'16.00"W |

**14863** 30th ed. 10/20/01 Last LNM 36/04 NAD 83 (NOS NW -7952) 37/04  
**SAGINAW BAY (LORAN C)**  
**Insets: Caseville Harbor, Michigan**  
**Port Austin, Michigan**  
(PORT AUSTIN)  
Add 2 ft sounding at 44°02'58.72"N 082°59'37.12"W  
Delete 5 ft sounding at 44°03'02.38"N 082°59'38.10"W  
4 ft sounding at 44°03'00.26"N 082°59'38.71"W  
5 ft sounding at 44°02'59.40"N 082°59'39.56"W  
2 ft sounding at 44°02'58.96"N 082°59'37.90"W  
Substitute 6 ft sounding for 1 ft sounding at 44°02'58.03"N 082°59'38.39"W

**14942** 25th ed. 5/22/97 Last LNM 30/03 NAD 83 (NOS NW -8098) 37/04  
**LAKE CHARLEVOIX**  
**Inset: Charlevoix, Michigan**  
(CHARLEVOIX)  
Add 9 ft sounding at 45°19'13.53"N 085°15'55.13"W  
14 ft sounding at 45°19'13.30"N 085°15'57.00"W  
Change depth legend to: 15 FT JUL 2004 at 45°19'09.40"N 085°15'41.60"W  
depth legend to: 17 1/2 FT MAY 2004 at 45°18'57.30"N 085°14'54.10"W  
Delete 15 ft sounding at 45°18'55.30"N 085°14'43.60"W  
16 ft sounding at 45°18'55.00"N 085°14'42.10"W  
13 ft sounding at 45°19'13.00"N 085°15'56.00"W  
Substitute 17 ft sounding for 20 ft at 45°19'13.07"N 085°16'01.81"W

**V. ADVANCE NOTICE OF CHANGES TO AIDS TO NAVIGATION**

**Lake Ontario - Black River Bay, Signal Change, Charts 14811**

The Coast Guard will be changing the characteristics on Sackets Harbor LT (LLNR 1850) to FL W 2.5s. and change the dayboards to non-lateral marks. In conjunction with this change the Coast Guard will be establishing a lighted buoy in posit 43°56'30.95"N, 076°07'11.89"W with a FI R 4s characteristic to mark the NW shoal of Horse Island. [17/04]

**Upper Niagara River - Charts 14822 and 14832**

The Coast Guard will be changing the Grand Island Range Lights LLNR's 3080, 3075 to a single point sectored range. The change will involve disestablishing Grand Island Rear Range Light LLNR 3080, installing a Green/White/Red Sectored light on Grand Island Front Range Light LLNR 3075 and renaming the Light; Grand Island Sectored Range Light. The white sector will indicate the center of the channel and the colored sectors will correspond to the red and green sides of the channel. [31/03]

**Lake Huron - Ft Gratiot Light - Nominal Range Change - Chart 14862**

The Coast Guard is upgrading the equipment and increase the nominal range of Ft Gratiot Light (LLNR 10015) from 18 M to 21 M. [19/04]

**VI. PROPOSED CHANGES IN AIDS TO NAVIGATION**

**St. Marys River - Rock Cut Characteristics Change - Chart 14883**

The Coast Guard is proposing to change the characteristics of Rock Cut Lights 32, 29, 28, and 27 (LLNR's 13595, 13610, 13615, and 13620) to fixed characteristics. [28/04]

The Coast guard is considering disestablishment of Sturgeon Point Light (LLNR 3365). The Lighthouse and associated building will be transferred under the National Historic Lighthouse Preservation Act. [37/04]

*For any comments or questions on these proposed changes please contact LTJG Hall of the Ninth District Aids to Navigation office at (216) 902-6072.*

**VII. GENERAL NOTICES**

**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.

**DETROIT RIVER - ST CLAIR RIVER, MI - Hydraulic Dredging - Chart 14852**

The TNT Dredging Co, Inc. will be conducting hydraulic dredging in the St. Clair River, MI commencing 13 Aug 04 and completing work 15 Sept 04. Work will be conducted 7 days per week 24 hrs per day. The OJIBWAY may be contacted via VHF-FM Channels 16 and/or 18 respectively plus traffic control. Mariners are requested to pay special attention to tugs pushing scows, buoys and required day and night shapes. For further information contact Ms. Cathy McCoy at (616) 949-4777 or pm (616) 698-6596. [37/04]

**LAKE MICHIGAN - IN - Indiana Harbor Ship Canal, Bridge Maintenance, Chart 14929**

Railroad track maintenance will be conducted on the Norfolk Southern Bridge at Mile 0.72 over the Indiana Harbor Ship Canal between the hours of 0700 and 1700, Monday through Thursday from August 31 until September 16, 2004. Mariners are required to provide three-hour advance notice prior to transit during these hours. Mariners may provide advance notice by calling the bridge via VHF-FM Channel 16, or calling 219-787-7725. [37/04]

| <u>Location</u>                    | <u>LNM</u>  | <u>Subject</u>         | <u>Hours / Days</u>  | <u>Until</u>    |
|------------------------------------|-------------|------------------------|----------------------|-----------------|
| <b><u>NEW YORK STATE CANAL</u></b> |             |                        |                      |                 |
| Oriskany to Utica, NY              | 34/03       | CANAL WAY TRAIL SYSTEM | 0700-1700/ MON - FRI | 31 DEC 04       |
| Onondaga - Seneca River, NY        | 18/04-35/04 | BRIDGE CONSTRUCTION    |                      | 31 AUG 04       |
| Lysander, NY                       | 18/04-35/04 | BRIDGE CONSTRUCTION    |                      | 15 NOV 04       |
| <b><u>LAKE ONTARIO</u></b>         |             |                        |                      |                 |
| Rochester, NY                      | 41/03-25/04 | BRIDGE CONSTRUCTION    | 0700-1630/ MON - FRI | 2004 NAV SEASON |
| <b><u>LAKE ERIE</u></b>            |             |                        |                      |                 |
| Buffalo Harbor, NY                 | 41/03       | BRIDGE MAINTENANCE     | 24 HRS/ 7 DAYS A WK  | 2004 NAV SEASON |
| <u>Location</u>                    | <u>LNM</u>  | <u>Subject</u>         | <u>Hours / Days</u>  | <u>Until</u>    |
| Buffalo Harbor, NY                 | 29/03-35/04 | BRIDGE MAINTENANCE     | 24 HRS/ 7 DAYS A WK  | 30 OCT 04       |

|                      |             |  |                      |                 |
|----------------------|-------------|--|----------------------|-----------------|
| Ashtabula Harbor, OH | 16/04       | WAMS ANALYSIS                          | VARIOUS              | TBD             |
| Cleveland, OH        | 14/03-17/04 | PILE DRIVING, EXCAVATION, ETC.         | 24 HRS/ 7 DAYS A WK  | DEC 04          |
| Cleveland Harbor, OH | 12/04       | PILE DRIVING, EXCAVATION, PIPE INSTALL | 24 HRS/ 7 DAYS A WK  | 31 DEC 04       |
| Lorain Harbor, OH    | 34/03       | WEST PIER REHABILITATION               | DAWN-DUSK/ MON - FRI | 31 DEC 04       |
| Maumee River, OH     | 32/04       | MAINTENANCE DREDGING                   | 24 HRS/ 7 DAYS A WK  | 15 NOV 04       |
| Maumee Bay, OH       | 32/04       | MAINTENANCE DREDGING                   | 24 HRS/ 7 DAYS A WK  | 15 SEP 04       |
| Toledo, OH           | 41/03       | BRIDGE CONSTRUCTION                    | 24 HRS/ 7 DAYS A WK  | 2004 NAV SEASON |
| Conneaut Harbor, OH  | 27/04       | MAINTENANCE DREDGING                   | 24 HRS/ 7 DAYS A WK  | 28 SEP 04       |
| Northeast, PA        | 32/04       | INSTALLING INTAKE CRIB AND PIPING      | 24 HRS/ 7 DAYS A WK  | 30 SEP 04       |
| Cleveland, OH        | 34/04       | DREDGING                               | VARIOUS              | 03 JUN 07       |

**DETROIT RIVER**

|                     |       |                   |                     |           |
|---------------------|-------|-------------------|---------------------|-----------|
| Fleming Channel, MI | 25/04 | BARGE OPERATIONS  | 24 HRS/ 7 DAYS A WK | TBD       |
| Detroit, MI         | 34/04 | DREDGING          | 24 HRS/ 7 DAYS A WK | 13 SEP 04 |
| St Clair River, MI  | 37/04 | HYDROLIC DREDGING | 24 HRS/ 7 DAYS A WK | 15 SEP 04 |

**LAKE HURON**

|              |       |                      |                     |           |
|--------------|-------|----------------------|---------------------|-----------|
| Bay City, MI | 32/04 | MAINTENANCE DREDGING | 24 HRS/ 7 DAYS A WK | 15 NOV 04 |
|--------------|-------|----------------------|---------------------|-----------|

**ST MARYS RIVER**

|                           |       |                      |         |             |
|---------------------------|-------|----------------------|---------|-------------|
| Lower St. Marys River, MI | 34/04 | MAINTENANCE DREDGING | VARIOUS | MID SEPT 04 |
|---------------------------|-------|----------------------|---------|-------------|

**LAKE MICHIGAN**

|                      |             |                                    |                      |                 |
|----------------------|-------------|------------------------------------|----------------------|-----------------|
| Calumet Harbor, IL   | 11/04       | BRIDGE MAINTENANCE AND CLEARANCE   | 24 HRS/ 7 DAYS A WK  | 31 OCT 04       |
| Chicago Harbor, IL   | 22/04       | BRIDGE MAINTENANCE                 | 0730-1600/MON - FRI  | 25 NOV 04       |
| Chicago Harbor, IL   | 33/03-36/03 | BRIDGE MAINTENANCE WORK            | 0730-1600/ MON-FRI   | 25 NOV 04       |
| Indiana Harbor, IN   | 28/04       | REPORTED OBSTRUCTION               | 24 HRS/ 7 DAYS A WK  | TBD             |
| Indiana Harbor, IN   | 32/04       | SELF-UNLOADING CARGO SHIPS         | VARIOUS              | 31 OCT 04       |
| Manistee Harbor, MI  | 35/04       | BRIDGE MAINTENANCE AND CLOSURE     | 24 HRS/ 7 DAYS A WK  | 30 APR 05       |
| Naubinway, MI        | 32/04       | MOORING FACILITY UPGRADE           | 24 HRS/ 7 DAYS A WK  | 05 NOV 04       |
| Milwaukee Harbor, WI | 41/03       | BRIDGE DEMOLITION AND CONSTRUCTION | 0600-0800/ MON - FRI | 2004 NAV SEASON |
| Green Bay Harbor, WI | 36/04       | CONSTRUCTION                       | 0600-1800/ MON - SAT | 22 SEPT 04      |
| Indiana Harbor, IN   | 37/04       | BRIDGE MAINTENANCE                 | 0700-1700/ MON - THU | 16 SEP 04       |

**STRAITS OF MACKINAC**

|                                |       |                           |                     |           |
|--------------------------------|-------|---------------------------|---------------------|-----------|
| Pt La Barbe to Mc Gulpin Point | 30/04 | PIPELINE SPAN REMEDIATION | 24 HRS/ 7 DAYS A WK | 30 SEP 04 |
|--------------------------------|-------|---------------------------|---------------------|-----------|

**LAKE SUPERIOR**

|                            |       |                                 |                      |           |
|----------------------------|-------|---------------------------------|----------------------|-----------|
| Keweenaw MI                | 03/03 | BRIDGE OP SCHEDULE DURING REHAB | 0700-1800/ MON - FRI | 31 OCT 04 |
| Straits of Mackinac        | 21/04 | BRIDGE MAINTENANCE - PAINTING   | VARIOUS              | DEC 06    |
| Munising Bay, MI           | 18/04 | MARINE SALVAGE                  | DUSK-DAWN/MON - SAT  | 15 SEP 04 |
| Whitefish Point Harbor, MI | 36/04 | DREDGING                        | 0600-1800/ SUN - SAT | 9 SEP 04  |
| Little Lake Harbor, MI     | 36/04 | DREDGING                        | 0600-1800/ SUN - SAT | 31 AUG 04 |

**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.

| <u>Location</u>             | <u>LNLM</u> | <u>Events</u>                              | <u>Dates</u>                    |
|-----------------------------|-------------|--|---------------------------------|
| <b><u>LAKE ERIE</u></b>     |             |  |                                 |
| Cleveland, OH               | 32/04       | Cleveland Air-Show                         | Labor Day Weekend               |
| Toledo, OH                  | 32/04       | Toledo Labor Day Fireworks                 | Labor Day                       |
| Erie Sand and Gravel Pier   | 32/04       | We Love Erie Fireworks Display             | 3rd weekend of August           |
| <b><u>LAKE MICHIGAN</u></b> |             |  |                                 |
| Grand Haven, MI             | 32/04       | West Michigan Offshore Powerboat Challenge | 1st or 2nd weekend of September |

**VIII. LIGHT LIST CORRECTIONS, VOL VII, GREAT LAKES**

(\* Denotes the column in which a correction has been made or new information added.)

| (1)<br>No. | (2)<br>Name and location       | (3)<br>Position          | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure            | (8)<br>Remarks |
|------------|--------------------------------|--------------------------|-----------------------|---------------|--------------|-----------------------------|----------------|
| 5530       | <b>South Bass Island Light</b> | 41 37 44 N<br>82 50 29 W | <b>FL R 6S</b>        | 95<br>29      | 11           | NR on skeleton tower.<br>70 |                |
|            |                                | *                        |                       | *             |              | *                           | 37/04          |

**IX. ENCLOSURES**

- (1) Change No. 12 to the U.S. Coast Pilot 6, Great Lakes 2004 34th Edition.
- (2) Manistee Harbor, MI condition of channel chartlet
- (3) Tabulation of Controlling Depths – Chart 14839
- (4) St. Joseph Harbor, MI condition of channel chartlet
- (5) Change No. 13 to the U.S. Coast Pilot 6, Great Lakes 2004 34th Edition.

R J. PAPP, JR  
Rear Admiral, U. S. Coast Guard  
Commander, Ninth Coast Guard District

Coast Pilot 6 34<sup>th</sup> Ed 2004                      Corrections

Page 1-Paragraph 2, read:

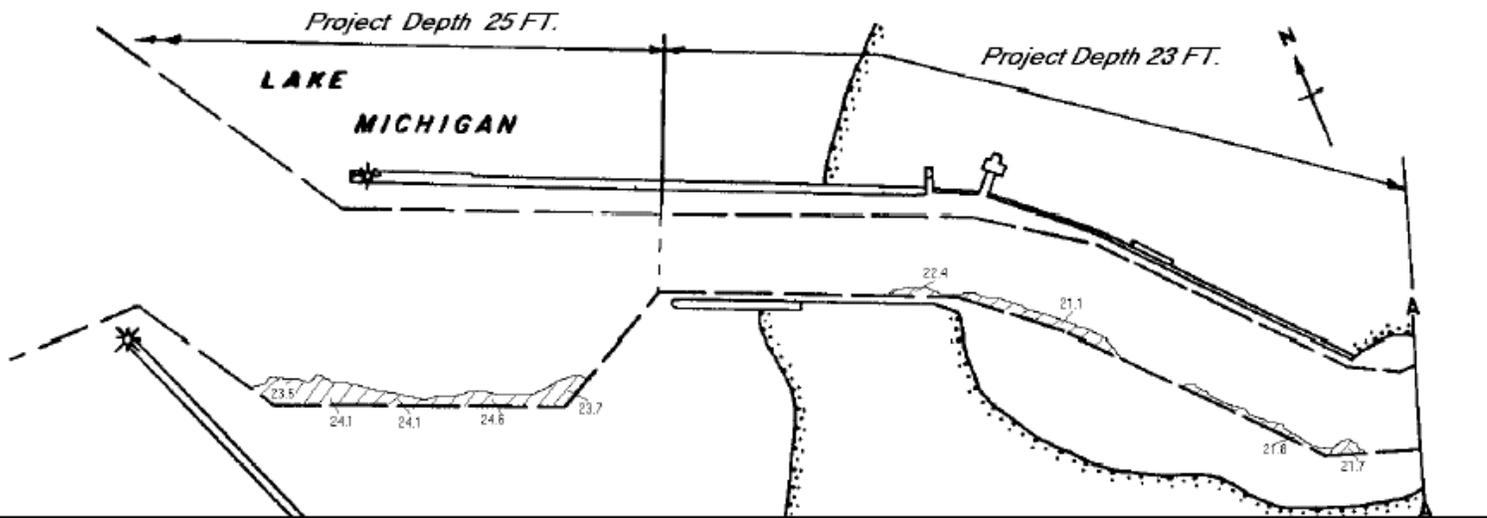
**Amendments to this publication  
are issued through NOS website  
[http://nauticalcharts.noaa.gov/nsd/  
cpdownload.htm](http://nauticalcharts.noaa.gov/nsd/cpdownload.htm), U.S. Coast Guard  
Local Notices to Mariners website  
[http://www.navcen.uscg.gov/lnm/defa  
ult.htm](http://www.navcen.uscg.gov/lnm/default.htm), and National Geospatial-  
Intelligence Agency Notices to  
Mariners website  
<http://pollux.nss.nga.mil/untm/>.  
(NOS/04)**

Page 34-Paragraph 504, lines 1-3;  
read:

**National Oceanic and  
Atmospheric Administration:** The  
U.S. Department of Commerce  
National Oceanic and Atmospheric  
Administration ...  
(CL 1121/04)

Page 536-Paragraph 39, read:

Electronic versions of the  
Local Notices to Mariners are  
posted weekly on the U.S. Coast  
Guard Navigation Center's website  
at :  
[http://www.navcen.uscg.gov/lnm/defa  
ult.htm](http://www.navcen.uscg.gov/lnm/default.htm). The National Geospatial-  
Intelligence Agency Notices to  
Mariners are available at:  
<http://pollux.nss.nga.mil/untm/>.  
(NOS/04)



All soundings are referenced to IGLD, 1985 for Lake Michigan, elevation 577.5 ft. above mean sea level at Rimouski, Quebec. Hydraulic corrector of 0.3 ft. applied.

The information depicted on this map represents the results of surveys made on the date indicated and can only be considered as indicating the general conditions existing at that time.

0manistbmp



Shoals indicate least available depth below LWD

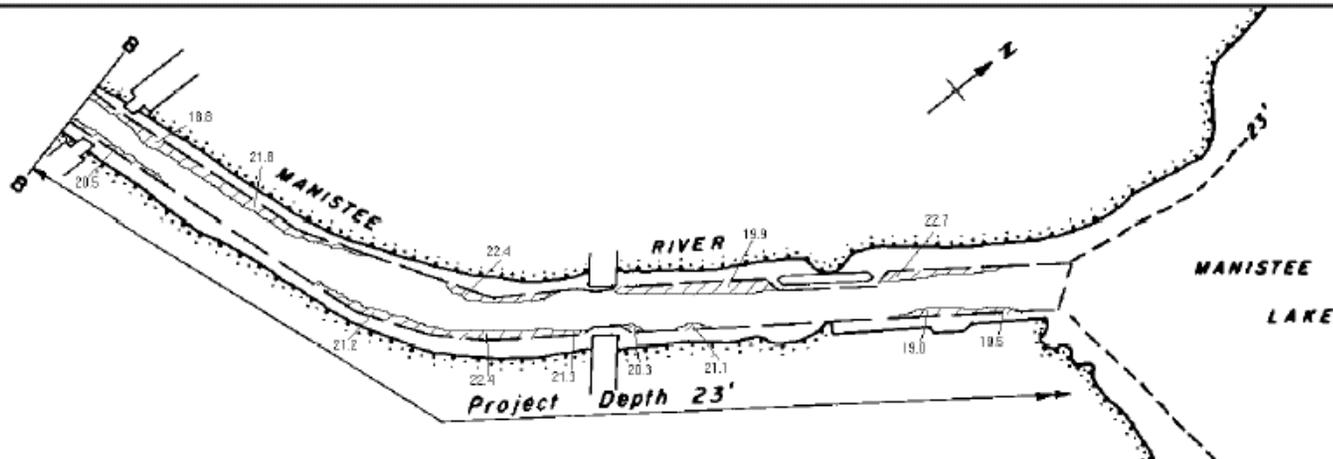
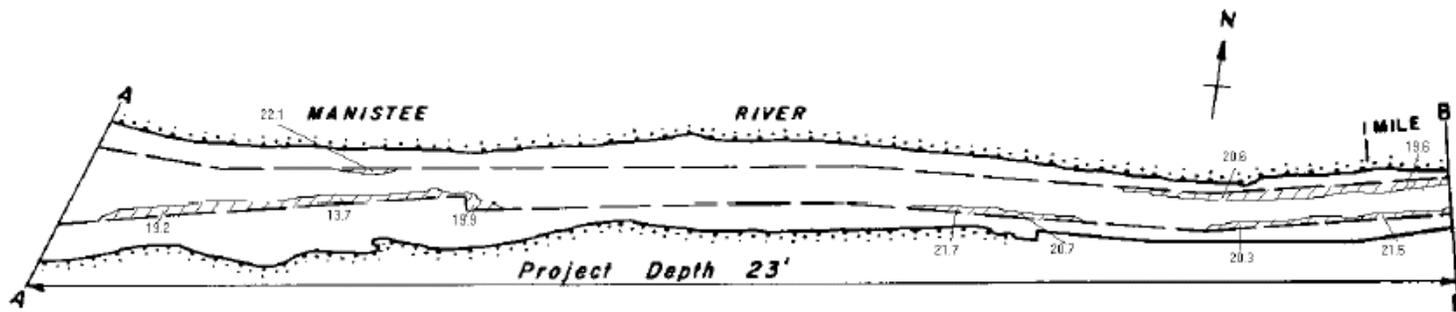
Surveys taken: JULY - AUGUST 2004

**MANISTEE HARBOR, MICHIGAN**

CONDITION OF CHANNEL

ISSUED: 26 AUGUST 2004

**U.S. Army Engineer District, Detroit**



The information depicted on this map represents the results of surveys made on the date indicated and can only be considered as indicating the general conditions existing at that time.

Surveys taken: JULY - AUGUST 2004  
 01MANSTZ.BMP



Shoals indicate least available depth below LWD

All soundings are referenced to IGLD, 1985 for Lake Michigan, elevation 577.5 ft. above mean sea level at Rimouski, Quebec. Hydraulic corrector of 0.3 ft. applied.

MANISTEE HARBOR, MICHIGAN

CONDITION OF CHANNEL

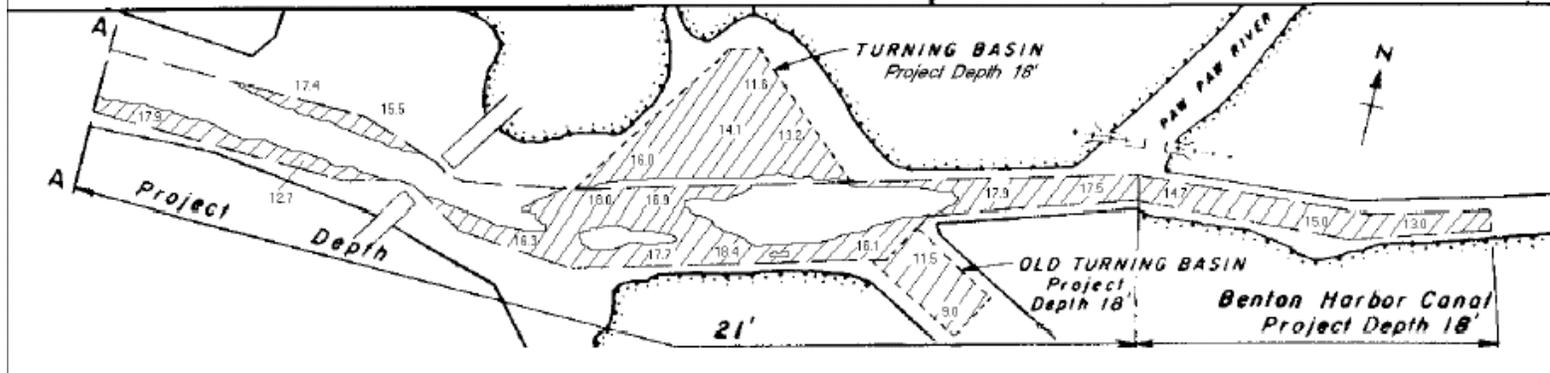
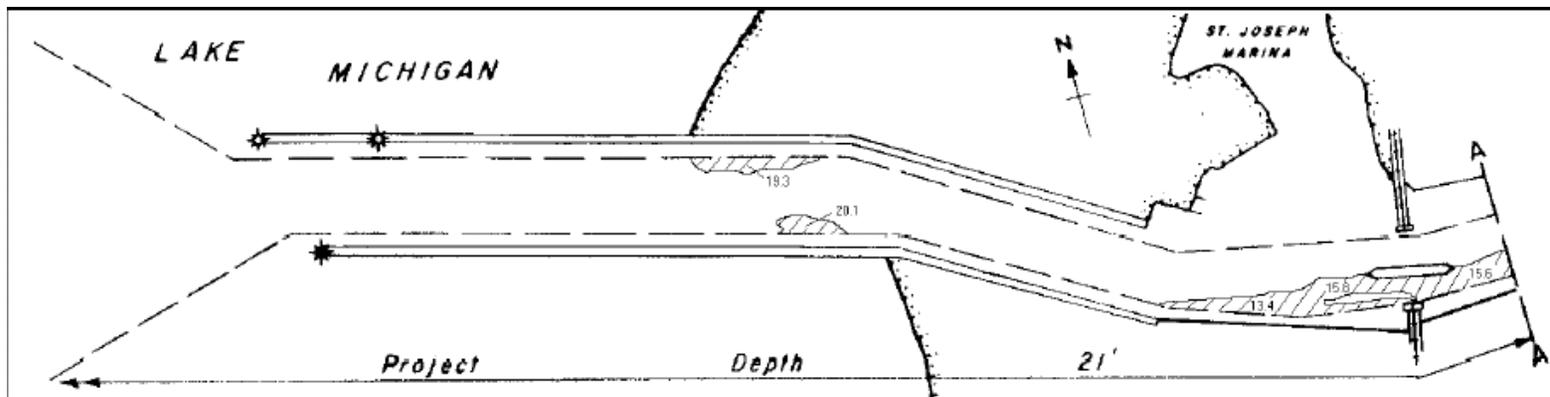
ISSUED: 26 AUGUST 2004

U.S. Army Engineer District, Detroit

CHART 14839

| CLEVELAND HARBOR CHANNEL DEPTHS  |                      |                     |                      |                       |                    |              |                      |                  |
|--|----------------------|---------------------|----------------------|-----------------------|--------------------|--------------|----------------------|------------------|
| TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2004 AND REPORTS TO JUN 2004 |                      |                     |                      |                       |                    |              |                      |                  |
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)                   |                      |                     |                      |                       | PROJECT DIMENSIONS |              |                      |                  |
| NAME OF CHANNEL  | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY     | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH LWD (FEET) |
| LAKE APPROACH CHANNEL  | 28.5                 | 30.3                | 30.1                 | 27.4                  | 4-04               | 600-750      | 0.22                 | 29               |
| ENTRANCE CHANNEL   | 27.6                 | 29.8                | 31.0                 | 26.7                  | 4-04               | 225-750      | 0.22                 | 28               |
| CUYAHOGA RIVER   |                      |                     |                      |                       |                    |              |                      |                  |
| PIER RANGE   | A16.2                | 27.0                | 27.5                 | 17.9                  | 3-04               | 230          | 0.30                 | 27               |
| THENCE TO LORAIN   |                      |                     |                      |                       |                    |              |                      |                  |
| CARNEGIE VIADUCT BRIDGE  | 9.2                  | 20.7                | 20.7                 | 13.1                  | 3-04               | 100-700      | 2.69                 | 23               |
| THENCE TO END OF PROJECT   | 8.7                  | B20.5               | C21.5                | D13.1                 | 3-04               | 110-400      | 3.11                 | 23               |
| OLD RIVER  |                      |                     |                      |                       |                    |              |                      |                  |
| FROM CUYAHOGA RIVER  |                      |                     |                      |                       |                    |              |                      |                  |
| TO END OF PROJECT  | 17.0                 | 22.3                | 21.8                 | E15.2                 | 5-03, 3-04         | 125-200      | 1.10                 | 27               |
| EAST BASIN   |                      |                     |                      |                       |                    |              |                      |                  |
| AIRPORT RANGE  | 17.3                 | 23.3                | 23.1                 | 20.1                  | 4-04               | 500          | 3.11                 | 25               |
| TURNING BASIN  | 22.5                 | 22.7                | 22.4                 | 22.3                  | 4-04               | 400-1600     | 0.33                 | 25               |
| EASTERN SECTION  | F19.9                | 21.7                | 22.1                 | 22.1                  | 4-04               | 1250-1540    | 0.72                 | 27               |
| WESTERN SECTION  | 20.5                 | 24.0                | 28.5                 | 26.4                  | 4-04               | 1300-1540    | 0.28                 | 28               |
| WEST BASIN   | G23.5                | H24.5               | I21.9                | J20.6                 | 4-04               | 1150-1570    | 0.91                 | 28               |

A. EXCEPT FOR SHOALING TO 14.9 FEET AT 41°30'00.6"N 081°42'31.3"W.  
 B. EXCEPT FOR SHOALING TO 12.1 FEET IN LAST 200 FEET OF QUARTER.  
 C. EXCEPT FOR SHOALING TO 12.1 FEET IN LAST 800 FEET OF QUARTER.  
 D. EXCEPT FOR SHOALING TO 1.9 FEET FROM 41°29'10.8"N 081°40'47.3"W TO 41°29'09.7"N 081°40'46.4"W AND TO 1.9 FEET IN LAST 800 FEET OF QUARTER.  
 E. EXCEPT FOR SHOALING TO 10.4 FEET AT 41°29'51.2"N 081°42'44.0"W AND TO 12.7 FEET AT 41°29'31.8"N 081°42'57.3"W.  
 F. EXCEPT FOR SHOALING TO 16.6 FEET IN LEFT OUTSIDE 50 FEET OF QUARTER.  
 G. EXCEPT FOR SHOALING TO 18.6 FEET IN WESTERN 500 FEET OF PROJECT.  
 H. EXCEPT FOR SHOALING TO 16.6 FEET IN WESTERN 500 FEET OF PROJECT.  
 I. EXCEPT FOR SHOALING TO 15.7 FEET IN WESTERN 500 FEET OF PROJECT.  
 J. EXCEPT FOR SHOALING TO 15.4 FEET IN WESTERN 500 FEET OF PROJECT.  
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION



The information depicted on this map represents the results of surveys made on the date indicated and can only be considered as indicating the general conditions existing at that time.

SOUNDINGS ARE IN FEET AND ARE REFERRED TO LOW WATER DATUM 576.8 FEET ABOVE MEAN WATER LEVEL AT FATHER POINT, QUEBEC, IGLD, 1955.



Shoals indicate least available depth below LWD

SURVEYED: JULY - AUGUST 2004

### ST. JOSEPH HARBOR, MICHIGAN

CONDITION OF CHANNEL

ISSUED: 27 AUGUST 2004

U.S. Army Engineer District, Detroit

Coast Pilot 6 34<sup>th</sup> Ed 2004                      Corrections

Page 84-Paragraph 978, line 4; read:  
destination.

(9) Ammonium nitrate and ammonium  
nitrate based fertilizers, in bulk, listed as  
a Division 5.1 material in 49 CFR 172.101.

(10) Propylene oxide, alone or mixed  
with ethylene oxide, in bulk.

(FR 8/18/04)

Page 84-Paragraph 989 through Paragraph 993,  
read:

(a) [Suspended]  
(FR 8/18/04)

Page 86-Paragraph 996, read:

(d) [Suspended]

(e) *Submission to the National Vessel  
Movement Center (NVMC)*. Except as provided in  
paragraphs (b) and (c) of this section,  
vessels must submit NOA information required  
by §160.206 (entries 1-9 to Table 160.206) to  
the NVMC, United States Coast Guard, 408  
Coast Guard Drive, Kearneysville, WV 25430,  
By:

(1) Electronic submission via the  
electronic NOA (e-NOA) available on the NVMC  
web site at <http://www.nvmc.uscg.gov>.

(2) Electronic submission via web  
service of formatted XML (eXtensible Markup  
Language) documents. E-mail  
[sans@nvmc.uscg.gov](mailto:sans@nvmc.uscg.gov) to ask for the XML schema  
details;

(3) E-mail at [sans@nvmc.uscg.gov](mailto:sans@nvmc.uscg.gov).  
Workbook available at  
<http://www.nvmc.uscg.gov>;

(4) Fax at 1-800-547-8724 or 304-264-  
2684. Workbook available at  
<http://www.nvmc.uscg.gov>; or,

(5) Telephone at 1-800-708-9823 or 304-  
264-2502.

(FR 8/18/04)