



LOCAL NOTICE TO MARINERS MONTHLY EDITION

Issued by: Commander, Ninth Coast Guard District (oan), 1240 East Ninth Street, Cleveland, OH 44199-2060 Telephone: (216) 902-6070 All times shown in local time unless otherwise noted. Positions are in degrees, minutes, seconds, and tenths of seconds. Numbers within brackets [/] refer to the LNM where information was first printed. Direct questions about this LNM to the above address.

USE OF THE LOCAL NOTICE TO MARINERS

The Monthly edition of the Local Notice to Mariners contains all information relevant to the waterways within the Ninth Coast Guard District. This Monthly edition should be retained as a reference for subsequently issued Weekly Supplements.

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BROADCAST NOTICE TO MARINERS (BNM) are issued by Ninth District and all Group Offices for their areas of responsibility. Navigation information having been of immediate concern to the Mariner, the following broadcasts have been incorporated into this LNM when still significant:

Ninth District	C042-97	through	C044-97	Group Buffalo, NY	B113-97	through	B117-97
Group Detroit, MI	D221-97	through	D232-97	Group Grand Haven, MI	G122-97	through	G129-97.
Group Milwaukee, WI	M120-97	through	M124-97	Group Sault Ste Marie, MI	S151-97	through	S154-97

Light List Reference: Commandant Publication P16502.7, VOL VII, 1997 Edition / Coast Pilot Reference: U.S. Coast Pilot 6 Great Lakes 1997 Edition

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

I. SPECIAL NOTICES

GENERAL NOTICE

Mariners are encouraged to report to their nearest Coast Guard unit any irregular or suspicious activity. [23/97]

PRIVATE AIDS

Owners of Private Aids to Navigation are reminded that they are responsible for the proper operation and maintenance of their private aids. When private aids to navigation discrepancy reports are received from the Coast Guard the owner should initiate immediate action to correct the discrepancy. Mariners have a responsibility to report discrepant private aids to navigation to the nearest Coast Guard unit. All aids to navigation on the Great Lakes, both private and federally maintained, are user monitored. The failure of a mariner to report a discrepant aid to navigation may result in casualties to others. Upon notification of discrepancies the Coast Guard issues a broadcast

notice to mariners which remains in effect until the discrepancy is corrected or listed in the Local Notice to Mariners. [21/97]

GREAT LAKES - New Edition of the light List

U.S. Coast Guard Light List Volume VII Great Lakes 1997 Edition is ready for issue and may be ordered from the Superintendent of Documents, U.S. Government Printing Office with Enclosure [1] to Local Notice to Mariners 18/97. The 1997 Edition cancels the preceding 1996 Edition. The 1997 Edition is corrected through Ninth Coast Guard District Local Notice to Mariners No. 01/97. A summary of corrections published since Local Notice to Mariners 01/97 is available in Local Notice to Mariner 18/97. [18/97]

U.S. COAST PILOT - 1997 (27th) Edition - Change No 2

Change No 2 to the U.S. Coast Pilot 6, Great Lakes: Lakes Ontario, Erie, Huron, Michigan, and Superior and St. Lawrence River, 1997 (27th) edition publication can be found in enclosure (1) of Local Notice to Mariners 19/97. [19/97]

U.S. COAST PILOT - 1997 (27th) Edition - Change No 3

Change No 3 to the U.S. Coast Pilot 6, Great Lakes: Lakes Ontario, Erie, Huron, Michigan, and Superior and St. Lawrence River, 1997 (27th) edition publication can be found in enclosure (1) of Local Notice to Mariners 20/97. [20/97]

U.S. COAST PILOT - 1997 (27th) Edition - Change No 4

Change No 4 to the U.S. Coast Pilot 6, Great Lakes: Lakes Ontario, Erie, Huron, Michigan, and Superior and St. Lawrence River, 1997 (27th) edition publication can be found in enclosure (2) of Local Notice to Mariners 20/97. [20/97]

U.S. COAST PILOT - 1997 (27th) Edition - Change No 5

Change No 5 to the U.S. Coast Pilot 6, Great Lakes: Lakes Ontario, Erie, Huron, Michigan, and Superior and St. Lawrence River, 1997 (27th) edition publication can be found in enclosure (1) of Local Notice to Mariners 23/97. [23/97]

U.S. COAST PILOT - 1997 (27th) Edition - Change No 6

Change No 6 to the U.S. Coast Pilot 6, Great Lakes: Lakes Ontario, Erie, Huron, Michigan, and Superior and St. Lawrence River, 1997 (27th) edition publication can be found in enclosure (1) of Local Notice to Mariners 24/97. [23/97]

GREAT LAKES - DGPS - Youngstown DGPS Site Off-Air Approval

Off-air time is authorized for operational certification testing of the Youngstown DGPS site on 22-23 September 97. [24/97]

GREAT LAKES - DGPS - Detroit DGPS Site Off-Air Approval

Off-air time has been approved for Detroit on 23 September 97 from 0900-1400 local.

Off-air time is authorized for operational certification testing of the Detroit DGPS site on 25-26 September 97. [24/97]

GREAT LAKES -DGPS- Milwaukee DGPS Site Certification

Intermittent off-air time is authorized for operational site certification of Milwaukee DGPS site on 08-09 September 97.

Intermittent off-air time is authorized for operational site certification of Milwaukee DGPS site on 11-12 September 97. [22/97]

GREAT LAKES- VTS St. Marys River Call Sign Change.

VTS St. Marys River AKA "SOO CONTROL" will officially change it's call sign to "SOO TRAFFIC" effective 15 August 1997. [22/97]

GREAT LAKES - Great Lake Water Levels

The expected water levels on the Great Lakes for September 5, 1997. 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 +48, Lake St. Clair +49, Lake Michigan +42, Lake Huron +42, Lake Superior +18.

St Lawrence River:

Above Long Sault Dam +16, Above Iroquois Dam +13, Ogdensburg +22, Alexandria Bay +25, Head of River at Cape Vincent +26.

Detroit River

Lake Erie at Pelee Passage +48, Mouth of River at Gibraltar +50, Head of River above Belle Isle +49.

St. Clair River

Mouth of River at St. Clair Flats +49, Algonac +51, St. Clair +48, Blue Water Bridge +46, Head of River at Fort Gratiot +42, Lake Huron Approach Channel +42.

St. Marys River

Mouth of River at Detour +42, West and Middle Neebish +48, Head of Little Rapids +46, Below Locks +46, Above Locks +17, Head of River at Point Iroquois +18.

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 section of channels develop shoals. Vessel masters should refer to 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. [17/97]

LAKE MICHIGAN - MI - Grand Haven - Bridge Operating Regulations, Chart 14933

A Final Rule has been published in the Federal Register (62 FR 43097) on 8/12/97 revising the regulations contained in 33 CFR Part 117.633. This revision affects the operations of the CSX Transportation bridge and U.S. Route 31 highway bridges, miles 2.8 and 2.9, respectively, over the Grand River. A copy of the final rule is included in this Local Notice to Mariners as enclosure (10). [24/97]

LAKE MICHIGAN - MI - Manistee Harbor - Bridge Operating Regulations, Chart 14938

A Final Rule has been published in the Federal Register (62 FR 43931) on 8/18/97 revising the regulations contained in 33 CFR Part 117.637. This revision affects the operations of the Maple Street bridge and U.S. Route 31 highway bridges, miles 1.1 and 1.4, respectively, over the Manistee River. A copy of the final rule is included in this Local Notice to Mariners as enclosure (11).

ST. LAWRENCE SEAWAY NOTICE NO. 8-1997 - Defacement of Lock Walls

Your attention is drawn to U.S. regulation 401.56 b. and Canadian Section 56.b. of the Seaway Regulations which states: "The Master of every vessel shall prevent defacement of Seaway property by any member of the vessel's crew." Several vessel crew members have been observed painting on the lock walls at Eisenhower Lock; this is in violation of the above regulation. Mariners are advised that violations may be processed against vessels whose crew are found defacing lock walls and vessels may also be liable for clean up costs. [23/97]

ST. LAWRENCE SEAWAY NOTICE NO. 9-1997 - Transit Declaration Words

In order to provide a more efficient system for toll assessment, the following procedures will be instituted for the remainder of the 1997 Navigation Season on a trial basis.

- (1) Vessel representatives of non-cargo, non-passenger vessels will not be required to forward a "Transit Declaration Form" to the Seaway Agencies. The vessel Pre-Clearance process will determine eligibility.
- (2) Vessel representatives may forward "Transit Declaration Form" information using a pre-approved facsimile report on a weekly basis. Representatives wishing to participate should contact Tolls Services at (613) 932-5170 for full details. [23/97]

DETROIT RIVER - MI - Detroit - Hazard, Chart 14848

The Coast Guard has established a temporary buoy near the entrance of Detroit Municipal Marina at approximate position 42-21.32N 082-56.76W. This buoy marks a submerged concrete and steel obstruction. All mariners are requested to exercise caution when transiting the area. [18/97]

LAKE ERIE - Cleveland Harbor - Buoy Removed

East Basin Channel Lighted Buoy 9 (LLNR 4125) will be decommissioned for the season. This is due to dredging and construction around Burke Lakefront Airport. CAUTION is advised while transiting the area. [22/97]

LAKE ERIE - OH - Monroe Harbor, Test Buoy- CORRECTION - Chart 14830

The Coast Guard has established a 5NI temporary test buoy, Monroe Harbor 8A, in position 41-53.41N, 083-20.38W. This red nun ice buoy has been established to test the Zebra mussel resistant coating. [22/97]

LAKE ERIE - OH - Islands In Lake Erie - Hazard, Chart 14844

A partly submerged boat has been sighted at position 41-34.7N 082-51.6W. All mariners are requested to transit the area with caution. [17/97]

LAKE ERIE - OH - West end of Lake Erie - Hazard, Chart 14846

A white cylindrical buoy with orange stripe around the top with the word danger on it is adrift in position 41-32.722N and 082-39.6W. All mariners are requested to exercise caution when transiting the area. [17/97]

LAKE HURON - MI- Point Aux Barques - Chart 14863

A white buoy with red hazard diamond has been reported adrift in approximate position 44-08.85N, 082-52.49W, north of Point Aux Barques. [21/97]

LAKE HURON - MI - St. Ignace- Chart 14881

St. Ignace CG Basin Buoy 2 (LL 12606) has been established in position 45-51-20.76N, 084-42-06.28W. [22/97]

LAKE MICHIGAN - MI - Manistee Harbor, Bridge Operating Regulations, Request for Comments, Chart 14938

Commander, Ninth Coast Guard District has authorized a temporary deviation to the regulations governing the operation of the Maple Street bridge, mile 1.1, and the U. S. Route 31 highway bridge, mile 1.4, both over the Manistee River in Manistee, MI (33 CFR 117.637). From May 31 to August 31, 1997, the bridge will only be required to open on signal between 0700 and 2300 daily. From 2300 to 0700, the bridge will open with a 2-hour advance notice from vessels. This schedule will be evaluated at the end of the deviation period for a permanent change. [07/97]

LAKE MICHIGAN - MI - -Holland Harbor - Condition of Channel, Chart 14932

After dredging surveys performed within the Federal navigation entrance channel at Holland Harbor, Michigan during May and June 1997, indicate shoaling as shown in enclosure [1] of Local Notice to Mariners 17/97. Vessel operators are advised to use caution when navigating within this area. All inquiries should be addressed to CELRE-CO-OO, U.S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests No. L97-40. Internet address: <http://sparky.nce.usace.army.mil/OandM/o&m.html>. [17/97]

LAKE MICHIGAN - MI -Grand Haven - Chart 14906

A yellow NOAA buoy has been established in Lake Michigan approximate position 43-01.30W, 086-16-29W. The buoy is a yellow discus shape with the letters NOAA and number 45011 on the hull. The light characteristic is 4 flashes every 20 secs. [23/97]

LAKE MICHIGAN - MI - Ludington Harbor - Condition of Channel - Chart 14937

Condition surveys performed within the Federal navigation channel at Ludington Harbor, Michigan during July 1997, indicate shoaling as shown in enclosure (2) of LNM

23/97. Vessel Operators are advised to use caution when navigating in this area. All inquiries should be addressed to CELRE-CO-OO, U.S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests No. L97-42.

Internet address: <http://sparky.nce.usace.army.mil/OandM/o&m.html>. [23/97]

LAKE MICHIGAN - MI - Portage Lake Harbor - Condition of Channel - Chart 14939

Condition surveys performed within the Federal navigation channel at Portage Lake Harbor, Michigan during July 1997, indicate the 12 foot maintenance depth is available.

All inquiries should be addressed to CELRE-CO-OO, U.S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests No. L97-43. Internet address: <http://sparky.nce.usace.army.mil/OandM/o&m.html>. [23/97]

LAKE MICHIGAN - MI - Saugatuck Harbor - Condition of Channel - Chart 14906

Condition surveys performed within the Federal navigation channel at Saugatuck Harbor, Michigan during July 1997, indicate the 12 foot maintenance depth is available.

All inquiries should be addressed to CELRE-CO-OO, U.S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests No. L97-44. Internet address: <http://sparky.nce.usace.army.mil/OandM/o&m.html>. [23/97]

LAKE MICHIGAN - MI - Manistee Harbor - Condition of Channel - Chart 14938

Condition surveys performed within the 23 foot depth section of the Federal navigation channel at Manistee Harbor, Michigan during July 1997, indicate shoaling as shown in enclosure (3) of LNM 23/97. Vessel Operators are advised to use caution when navigating in this area. All inquiries should be addressed to CELRE-CO-OO, U.S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests No. L97-45.

Internet address: <http://sparky.nce.usace.army.mil/OandM/o&m.html>. [23/97]

LAKE MICHIGAN - WI - Algoma Harbor - Condition of Channel - Chart 14910

Condition surveys performed within the Federal navigation channel at Algoma Harbor, Wisconsin during June 1997, indicate shoaling as shown in enclosure (2) of LNM 24/97. Vessel Operators are advised to use caution when navigating in this area. All inquiries should be addressed to CELRE-CO-OO, U.S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests No. L97-46.

Internet address: <http://sparky.nce.usace.army.mil/OandM/o&m.html>. [24/97]

LAKE MICHIGAN - WI - Manitowic Harbor - Condition of Channel - Chart 14922

Condition surveys performed within the Federal navigation channel at Manitowic Harbor, Wisconsin during June 1997, indicate shoaling as shown in enclosure (3) of LNM 24/97. Vessel Operators are advised to use caution when navigating in this area. All inquiries should be addressed to CELRE-CO-OO, U.S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests No. L97-48.

Internet address: <http://sparky.nce.usace.army.mil/OandM/o&m.html>. [24/97]

LAKE MICHIGAN - WI - Oconto Harbor - Condition of Channel - Chart 14910

Condition surveys performed within the Federal navigation channel at Oconto Harbor, Wisconsin during June 1997, indicate shoaling as shown in enclosure (4) of LNM 24/97. Vessel Operators are advised to use caution when navigating in this area. All inquiries should be addressed to CELRE-CO-OO, U.S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests No. L97-50.

Internet address: <http://sparky.nce.usace.army.mil/OandM/o&m.html>. [24/97]

LAKE MICHIGAN - WI - Sheboygan Harbor - Condition of Channel - Chart 14922

Condition surveys performed within the Federal navigation channel at Sheboygan Harbor, Wisconsin during June 1997, indicate shoaling as shown in enclosure (5) of LNM 24/97. Vessel Operators are advised to use caution when navigating in this area. All inquiries should be addressed to CELRE-CO-OO, U.S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests No. L97-51.

Internet address: <http://sparky.nce.usace.army.mil/OandM/o&m.html>. [24/97]

LAKE MICHIGAN - WI - Kewaunee Harbor - Condition of Channel - Chart 14903

Condition surveys performed within the Federal navigation channel at Kewaunee Harbor, Wisconsin during June 1997, indicate shoaling as shown in enclosure (6) of LNM 24/97. Vessel Operators are advised to use caution when navigating in this area. All inquiries should be addressed to CELRE-CO-OO, U.S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests No. L97-47.

Internet address: <http://sparky.nce.usace.army.mil/OandM/o&m.html>. [24/97]

LAKE MICHIGAN - WI - Big Suamico Harbor - Condition of Channel - Chart 14918

Condition surveys performed within the Federal navigation channel at Big Suamico Harbor, Wisconsin during June 1997, indicate shoaling as shown in enclosure (7) of LNM 24/97. Vessel Operators are advised to use caution when navigating in this area. All inquiries should be addressed to CELRE-CO-OO, U.S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests No. L97-49.

Internet address: <http://sparky.nce.usace.army.mil/OandM/o&m.html>. [24/97]

LAKE MICHIGAN - WI - Sturgeon Bay and Lake Michigan Ship Canal - Condition of Channel - Chart 14919

Condition surveys performed within the Federal navigation channel at Sturgeon Bay and Lake Michigan Ship Canal, Wisconsin during June 1997, indicate shoaling as shown in enclosure (8) of LNM 24/97. Vessel Operators are advised to use caution when navigating in this area. All inquiries should be addressed to CELRE-CO-OO, U.S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests No. L97-52. Internet address: <http://sparky.nce.usace.army.mil/OandM/o&m.html>. [24/97]

LAKE ONTARIO - NY - Chaumont Bay, Abandoned Barge, Chart 14811

A 104 foot wooden barge with superstructure is aground approximately 50-75 feet from shore in Chaumont Bay, NY. This vessel sits in about six feet of water in position

44-1.6N, 076-16.8W. Although the majority of the barge is structurally sound, pieces of planking have fallen off one side of the vessel which is exposed to the elements. Mariners are advised to use CAUTION when operating in the Chaumont Bay area. [21/97]

LAKE ST. CLAIR - MI - St. Clair Flats - Hazard, Chart 14850

The Coast Guard has established a temporary lighted buoy (FL R 4s) in the vicinity of St. Clair Flats Canal Light 2 at approximate position 42-31-06.904N 082-41-13.812W. This buoy marks a submerged concrete and steel obstruction. All mariners are requested to exercise caution when transiting the area. [17/97]

LAKE ST. CLAIR - MI - St. Clair Flats - Hazard, Chart 14850

The Coast Guard has established a temporary lighted buoy (FL R 4s) in the vicinity of St. Clair Flats Canal Light 2 at approximate position 42-31-06.904N 082-41-13.812W. This buoy marks a submerged concrete and steel obstruction. All mariners are requested to exercise caution when transiting the area. [17/97]

II. DISCREPANCIES IN AIDS TO NAVIGATION as of 1000, 26 AUGUST, 1997

This section lists the summary of current discrepancies. Any discrepancies listed in Local Notice to Mariners 23/97 which have been corrected are listed under "DISCREPANCIES CORRECTED" in this section. The following abbreviations are used to describe aid names and discrepancy status:

B	Buoy	BKW	Breakwater	©	Canadian Aid
CH	Channel	DAM	Damaged	DAYBD	Dayboard
DBN	Daybeacon	DECOM	Decommissioned	DISCON	Discontinued
ENT	Entrance	ESTB	Established	EXT	Extinguished
FS	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	(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

A. RECENT DISCREPANCIES

LLNR	Name of aid	Status	Charts Affected	BNM Ref.	LNMR Ref.
01825	CHAUMONT SHOAL LIGHTED BUOY D (P)	LT EXT	14811	B103-97	19/97
02670	BUFFALO INTK CRIB LT (P)	LT EXT	14833	B109-97	22/97
03960	OKSILOFF SP PURPOSE B A (P)	MISSING		14826	B097-97 17/97
04275	LAUNCH BASIN LIGHT(P)	LT EXT	14826	D157-97	17/97
04800	SANDUSKY SLUDGE BSN LT(P)	LT IMCH	14842	D158-97	17/97
05090	SANDUSKY RIV DBN 13	HAZ NAV	14842		23/97
05100	SANDUSKY RIV DBN 17	HAZ NAV	14842		23/97
05175	BAY POINT STATE PARK HAZARD B"A"(P)	MISSING	14842	D175-97	18/97
05200	BAY POINT STATE PARK HAZARD B "F" (P)	MISSING		14842	D175-97 18/97
05205	BAY POINT STATE PARK HAZARD B"G"(P)	MISSING		14842	D175-97 18/97
05215	BAY POINT MARINA EAST LIGHT (P)	LT IMCH	14842	D186-97	19/97
05245	BAY POINT MARINA SOUTH LIGHT(P)	LT IMCH	14844	D186-97	19/97
06105	MANHATTAN RF LT	LT EXT	14847	D220-97	23/97
06900	EAST OUT CH LB 02	OFF STA	14830	D226-97	24/97
07375	PT MOUILEE AC CH B 02	OFF STA	14854	D112-97	13/97
07635	POWDER HOUSE IS CH B 02	MISSING	14848	D231-97	24/97
07750	MAMAJUDA LT	LT IMCH/LT EXT	14848	D020-97	50/96
08855	GAUKLER SH JCT LB	LT IMCH	14852		22/97
08995	CLINTON RIV ENT B 08	DAM	14853	D227-97	24/97
09015	CLINTON RIV N BKW LT	LT EXT	14850	D023-97	02/97

LLNR	Name of aid	Status	Charts Affected	Ref.	Ref.
09575	ST CLAIR FLATS CNL LT 02	LT IMCH	14852		02/97
09735	RUSSELL IS LT 33	LT EXT	14852	D159-97	17/97
10130	HARBOR BEACH LT	FS IMCH	14862	D232-97	24/97
10560	SAGINAW BAY CH RR LT	LT EXT	14863	D203-97	22/97
10850	SAGINAW RIV LB 28	LT EXT	14867		12/97
11515	MIDDLE IS LT	LT DIM	14864	S144-97	22/97
11800	CHEBOYGAN RIV LT 04	FS IMCH	14881	S102-97	13/97
13685	WEST NEEBISH CH DWN LB 15	OFF STA	14883	S048-97	04/97
14670	PRESQUEISLE HBR BKW LT	FS IMCH	14970		08/97
15550	LITTLE MANITOU IS LT	LT IMCH	14973		23/97
18415	PORTAGE LAKE N PHD LT	FS IMCH	14939	G128-97	24/97
18470	MOONLITE MARINA LIGHT 1 (P)	LT EXT	14938	G123-97	24/97
18475	MOONLITE MARINA LIGHT 2 (P)	LT EXT	14938	G124-97	24/97
18950	N. MUSKEGON ENT MARINA BUOY 1(P)	MISSING	14934	G129-97	24/97
19495	KALAMAZOO RIV B 14	OFF STA	14906	G079-97	16/97
19505	SOUTH HAVEN S PHD LT	FS INOP	14930	G113-97	20/97
19532	ST JOSEPH RIV B 6	OFF STA			15/97
19800	CALUMET HBR BKW S END LT	DBN IMCH	14926		23/97
19880	JACKSON PARK YACHT HBR MIDDLE LT(P)	LT EXT	14926	M092-97	17/97
19925	FOUR MILE CRIB LT (P)	FS INOP	14927	M118-97	22/97
19930	THIRTY-FIRST STREET JETTY LT (P)	LT EXT	14926	M101-97	19/97
20015	CHICAGO HBR FILT PLANT LT B (P)	LT EXT	14928	M117-97	22/97
20135	WILSON AVENUE INTAKE CRIB LIGHT (P)	FS INOP	14926		19/97
20365	ZION INTAKE LIGHT 2 (P)	MISSING	14904	M096-97	19/97
20390	NORTH POINT MARINA ENT. LT 1 (P)	LT EXT	14904	M124-97	24/97
20395	NORTH POINT MARINA ENT. LT 2 (P)	LT EXT	14904	M123-97	24/97
20525	RACINE HARBOR CHANNEL LB 10 (P)	LT EXT	14925	M113-97	22/97
20540	RACINE HARBOR LIGHT 14 (P)	LT EXT	14925	M114-97	22/97
20685	CITY PIER SOUTH SLIP LIGHT 2 (P)	LT IMCH	14924		22/97
21785	CEDAR RIV PHD LT	MISSING	14909	S050-97	05/97

B. DISCREPANCIES CORRECTED

LLNR	Name of aid	Status	Charts Affected	BNM Ref.	LNMR Ref.
03975	WILDWOOD PARK W. DETACHED BKW LT (P)	LWP	14826	D156-97	17/97
06085	MAUMEE BAY LT 09	LWP	14847	D210-97	22/97
06105	MANHATTAN RF LT	LWP	14847	D221-97	23/97
08500	LAKE ST CLAIR LB 18	LWP	14850		23/97

III. TEMPORARY CHANGES IN AIDS TO NAVIGATION as of 1000, 26 AUGUST, 1997

A. RECENT TEMPORARY CHANGES

LLNR	Name of aid	Status	Charts Affected	BNM Ref.	LNMR Ref.
04125	CLEVE HBR E BSN CH LB 09	DISCON	14839	D211-97	22/97
09575	ST CLAIR FLATS CNL LT02	TRLB	14852		20/97
15220	ONTONAGON HBR E BKW LT	DISCON	14965	S112-97	15/97
19800	CALUMET HBR BKW S END LT	N/A	14926		20/97
20820	SHEBOYGAN BKW LT	N/A	14922		20/97
21060	STURGEON BAY CNL LT 12	TRLT	14919	M013-97	03/97
21160	STURGEON BAY CNL LT 21	TRLT	14919	M013-97	03/97
12606	ST. IGNACE				

B. TEMPORARY CHANGES CORRECTED

LLNR	Name of aid	Status	Charts Affected	BNM Ref.	LNM Ref.
05085	SQUAW ISL LT 12	LWP	14842		22/97

IV. CHART CORRECTIONS since LNM 23/97

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 ofcorrection	Current Notice to Mariners
14922	17 th ed. MANITOWOC AND SHEBOYGAN HARBORS	4/25/92	Last LNM 12/93	NAD 83	(CGD9)	17/93
	Change	Manitowoc South Breakwater Light to "3" Fl G 2.5s, 37ft 8 StM				44 05 29.0N 87 38 37.0W
	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. Nominal range of lights is expressed in statute miles (St. M).

14830	25 th ed. WEST END OF LAKE ERIE (LORAN C)	12/7/96	Last LNM 22/97	NAD 83	(CGD9)	24/97
	Change	Bay Point Marina East Light, to Q W, 10ft, (Priv Maint) at: Bay Point Marina South Light, to Q W, 8ft, (Priv Maint) at:				41 30 51.2N 82 43 11.2W 41 30 34.6N 82 43 30.0W
	Insets: Port Clinton Monroe Harbor					
14830M	10 th ed. LORAIN TO DETROIT RIVER (LORAN C)	12/7/96	Last LNM 22/97	NAD 83	(CGD9)	24/97
	Change	Bay Point Marina East Light, to Q W, 10ft, (Priv Maint) at: Bay Point Marina South Light, to Q W, 8ft, (Priv Maint) at:				41 30 51.2N 82 43 11.2W 41 30 34.6N 82 43 30.0W
	Inset: Vermilion					
14842	10 th ed. (SC) SOUTH SHORE OF LAKE ERIE FROM PORT CLINTON TO SANDUSKY	2/22/97	Last LNM 20/97	NAD 83	(CGD9)	24/97
(p.7,12)	Change	Bay Point Marina East Light, to Q W, 10ft, (Priv Maint) at: Bay Point Marina South Light, to Q W, 8ft, (Priv Maint) at:				41 30 51.2N 82 43 11.2W 41 30 34.6N 82 43 30.0W
14844	30 th ed. ISLANDS IN LAKE ERIE, Including Sandusky Bay	9/02/95	Last LNM 19/97	NAD 83	(CGD9)	24/97
	Change	Bay Point Marina East Light, to Q W, 10ft, (Priv Maint) at: Bay Point Marina South Light, to Q W, 8ft, (Priv Maint) at:				41 30 51.2N 82 43 11.2W 41 30 34.6N 82 43 30.0W
	Inset: Put-In-Bay					
14845	26 th ed. SANDUSKY HARBOR	1/18/97	Last LNM 19/97	NAD 83	(CGD9)	24/97
	Change	Bay Point Marina East Light, to Q W, 10ft, (Priv Maint) at: Bay Point Marina South Light, to Q W, 8ft, (Priv Maint) at:				41 30 51.2N 82 43 11.2W 41 30 34.6N 82 43 30.0W

V. ADVANCE NOTICE OF CHANGES TO AIDS TO NAVIGATION

Questions regarding these advance notices should be directed to LTJG Corey A. Henige, Ninth Coast Guard District (oan), 1240 East Ninth Street, Cleveland, OH 44199-2060.

GENERAL - GREAT LAKES

Disestablish the following fog signals:

Manistee North Pierhead Light (LLNR 18450) [16/97]

LAKE ONTARIO - NY - SODUS BAY - Chart 14814

Change the characteristics of Sodus Outer Light (LLNR 2170) from OC W 4s to ISO W 6s and reduce the nominal range from 15 to 10 statute miles and solarize. [15/97]

LAKE ERIE - OH - Erie Harbor - Chart 14835

Change the characteristics of Erie Harbor Pierhead Light (LLNR 3495) from OC R 4s to FL R 2.5s and reduce the nominal range from 11 to 7 statute miles and solarize. [15/97]

LAKE ERIE - OH - Ashtabula Harbor - Chart 14836

Change the characteristics of Ashtabula Harbor Entrance Light 2 (LLNR 3760) from F R to FL R 2.5s and reduce the nominal range from 9 to 7 statute miles and solarize. [18/97]

DETROIT RIVER - MI - Fighting Island Channel - Chart 14848

Change Fighting Island Channel Buoy 96 (LLNR 7790) from a seasonal to an annual buoy. [01/97]

LAKE ST. CLAIR - MI - Selfridge Field - Chart 14850, 14853

Disestablish the following private aids:

- Selfridge Field Southeast Breakwater Light (LLNR 9140).
- Selfridge Field Center Breakwater Light (LLNR 9145).
- Selfridge Field Northwest Breakwater Light (LLNR 9150). [16/97]

LAKE ST. CLAIR - MI - Selfridge Field - Chart 14850, 14853

Establish the following lights:

- Selfridge Field Southwest Breakwater Light (LLNR 9140).with FL Y 6s characteristics.
- Selfridge Field Northwest Breakwater Light (LLNR 9150)with FL Y 6s characteristics. [16/97]

LAKE HURON - MI - Harbor Beach - Chart 14862

Change the nominal range of Harbor Beach Light (LLNR 10130) from 16 to 17 statute miles. [23/97]

LAKE SUPERIOR - MI - Keweenaw Waterway - Chart 14972

Reduce the nominal range of Keweenaw Upper Entrance Light (LLNR 15120) from 28 to 19 statute miles and solarize. [18/97]

LAKE SUPERIOR - MN - Redridge To Saxon Harbor - Chart 14965

Relocate Ontonagon Harbor East Pierhead Light (LLNR 15220) to the end of the breakwall being extended 120FT by the U.S. Army Corps of Engineers.

The light will be extinguished from now until it is relocated. [15/97]

LAKE SUPERIOR - MN - Duluth Harbor - Chart 14975

Change the characteristics of Duluth Harbor North Pier Light (LLNR 15855), from Iso W 6s to Iso R 6s and reduce the nominal range from 16 StM to

10 StM. [09/96]

LAKE OF THE WOODS - MN - Warroad - Chart 14999

Reduce the nominal range of Warroad Range Front Light (LLNR 17015) from 7 to 6 statute miles. [17/97]

LAKE OF THE WOODS - MN - Warroad - Chart 14999

Reduce the nominal range of Warroad Range Rear Light (LLNR 17020) from 9 to 8 statute miles. [17/97]

STRAITS OF MACKINAC - MI - De Tour Passage to Waugoshance point - Chart 14881

Change the characteristics of Poe Reef Light (LLNR 11750) from FI (2) W 10s to an ISO W 2s, reduce the nominal range from 16 to 9 statute miles, Discontinue the secondary light and solarize. [18/97]

LAKE MICHIGAN - MI - Ludington Harbor - Chart 14937

Disestablish the flood lights on Ludington North Breakwater Light (LLNR 18530). [18/96]

LAKE MICHIGAN - MI - Muskegon Lake - Chart 14934

Discontinue the secondary light on Muskegon South Breakwater Light (LLNR 18705) and reduce the nominal range from 11 to 7 statute miles and solarize. [18/97]

LAKE MICHIGAN - MI - Grand Haven River - Chart 14933

Establish Spring Lake Obstruction Light (LL 19040) in approximate position 43-04.37N, 086-12.49W. The aid will consist of a 3 foot, diamond shaped, orange and white dayboard displaying the word "Danger". The light will have a FI 2.5s characteristic. [23/97]

LAKE MICHIGAN - IL - Chicago Harbor - Chart 14927

Reduce the nominal range of Chicago Harbor Light (LLNR 19960) from 24 SM to 19 SM. [09/96]

LAKE MICHIGAN - IL - Chicago Harbor - Chart 14927

Increase the nominal range of Chicago Harbor Entrance South Side Light (LLNR 19985) from 8 statute miles to 16 statute miles. [37/96]

LAKE MICHIGAN - WI - Manitowoc - Chart 14922

Change the characteristics of Manitowoc Breakwater Light (LLNR 20860) from Iso W 6s to FI W 10s and solarize. Reduce the nominal range from 17SM to 5SM. [09/96]

LAKE MICHIGAN - WI - Lower Green Bay - Chart 14910

Change the characteristic of Algoma Light 2 (LLNR 20985) from F R to FI R 4s. [03/97]

LAKE MICHIGAN - WI - Upper Green Bay - Chart 14909

Relocate Detroit Island Passage B 2 (LLNR 21340) to position 45-19.01N, 086-56.39W to better mark the shoal.

GREEN BAY - WI - Dutch Johns Point to Fishery Point - Chart 14908

Establish a RACON on Minneapolis Shoal Light (LLNR 21610). [03/97]

GREEN BAY - WI - Lower Fox River - Chart 14916

Change Green Bay City Buoys 2, 4, 6, 7, and 8 (LLNR 22280 - LLNR 22300) from annual to seasonal buoys maintained from May 14 to Oct 14. [03/97]

VI. PROPOSED CHANGES IN AIDSTO NAVIGATION

Periodically the Coast Guard evaluates the 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 the aid is considered. In this regard the Coast Guard is evaluating changes in aids to navigation as noted below. Comments are requested, and should be addressed to LTJG Henige, Ninth Coast Guard District (oan). All comments submitted should include the following information: (A) Quantity, type, capacity and value of vessels involved, and the extent that these vessels traverse the area under consideration seasonally, by day and by night, (B) Where practical, the type of

navigation devices, such as compasses, radio direction finder, radar, LORAN and search lights with which such vessels are equipped, © The number of passengers and the type, quantity, and value of cargo involved, and (D) A chart section or sketch showing the action proposed when necessary to clearly describe the recommended improvement.

GENERAL - GREAT LAKES

Disestablish the following lights:

Thirtymile Point Light (LLNR 2395)
Dunkirk Light (LLNR 3410)
Port Sanilac Light (LLNR 10115)
Point Aux Barques Light (LLNR 10210)
Sturgeon Point Light (LLNR 11345)
Forty Mile Point Light (LLNR 11715)
St. Helena Light (LLNR 17720) [09/96]

GENERAL - GREAT LAKES

Disestablish the following fog signals:

Frankfort North Breakwall Light (LLNR 18375)
Ludington North Breakwall Light (LLNR 18530)
Pentwater North Pierhead Light (LLNR 18620)
Muskegon South Breakwall Light (LLNR 18705)
Grand Haven South Pierhead Entrance Light (LLNR 18965)
South Haven South Pierhead Light (LLNR 19505)
St. Joseph North Pierhead Light (LLNR 19515)
Michigan City East Pierhead Light (LLNR 19545) [02/97]

ST. LAWRENCE RIVER - NY - St. Lawrence Seaway - Chart 14768

Change the characteristic of Tibbetts Point Light (LLNR 1735) from Oc W10s to a FI W 15s.
Increase the nominal range from 16SM to 22SM. [09/96]

LAKE ERIE - OH - Ashtabula Harbor - Chart 14836

Change the characteristic of Ashtabula Harbor Entrance Light 2 (LLNR 3760) from a F R to a FI R 2.5s and solarize aid. [09/96]

LAKE ST. CLAIR - MI - Lake St. Clair - Chart 14853

Establish a light structure to replace Lake St. Clair LB 30 (LLNR 8570). [09/96]

LAKE HURON - MI - Lexington Harbor - Chart 14862

Increase the nominal range of Lexington Harbor East Breakwater Light 2 (LLNR 10095) from 5SM to 8SM. [09/96]

LAKE HURON - MI - Au Gres Harbor - Chart 14863

Increase the nominal range of Au Gres Harbor South Pierhead Light 3 (LLNR 11160) from 6SM to 8SM. [09/96]

LAKE SUPERIOR - MI - Marquette Harbor - Chart 14970

Change the characteristic of Marquette Light (LLNR 14630) from FI W 10s to FI W 6s. [09/96]

LAKE SUPERIOR - MN - Superior Harbor Chart 14975

Change the nominal range of Superior Harbor South Breakwater Light (LLNR 15595) from 22NM to 18NM. [11/95]

Questions regarding these advance notices should be directed to LTJG Corey A. Henige, Ninth Coast Guard District (oan), 1240 East Ninth Street, Cleveland, OH 44199-2060.

VII. GENERAL NOTICES

LAKE ONTARIO - NY - Fair Haven - Pier Construction, Chart 14803

Fair Haven Yacht is establishing a basin of floating piers in approximate position 43-19.08N 076 44.54W. The basin is marked with two temporary quick flashing lights on the lakeward side of the basin. For further information, contact Chris Leys (315) 947-5209. [19/97]

LAKE ONTARIO - NY - Oak Orchard Harbor - Dredging, Chart 14805

TNT Dredging, Inc. will be conducting dredging operations at Oak Orchard Harbor, NY from until September 15, 1997. Operations will be 24hrs/7 days a week. The barge CROW may be contacted on VHF/FM channels 10 and 16. For further information, contact Ted McCoy at (616) 949-4777 or (616) 698-6596 (eve). [17/97]

LAKE ONTARIO - NY - Wilson Harbor - Dredging, Chart 14806

TNT Dredging, Inc. will be conducting dredging operations at Wilson Harbor, NY from September 1 until September 30, 1997. Operations will be 24hrs/7 days a week. The barge CROW may be contacted on VHF/FM channels 10 and 16. For further information, contact Ted McCoy at (616) 949-4777 or (616) 698-6596 (eve). [17/97]

NEW YORK STATE BARGE CANAL - NY - Cayuga-Seneca River Canal, Bridge maintenance and Clearance Reduction, Chart 14786

The Tri-State Painting company will be performing painting and maintenance work on the I-90 highway bridge over Cayuga-Seneca River Canal in Montezuma, NY from August 1 to September 15, 1997. A containment system will be hung under the bridge reducing the vertical clearance to no less than 16 feet. Work barges will be in the water but may be moved for passing vessels, if necessary. Vessels are advised to approach with caution. [16/97]

LAKE ERIE - NY - Dunkirk Harbor - Dredging, Chart 14823

TNT Dredging, Inc. will be conducting dredging operations at Dunkirk Harbor, NY from July 8 until October 1, 1997. Operations will be 24hrs/7 days a week. The barge CROW may be contacted on VHF/FM channels 10 and 16. For further information, contact Ted McCoy at (616) 949-4777 or (616) 698-6596 (eve). [17/97]

LAKE ERIE - PA - Erie Harbor - Dredging, Chart 14835

Durocher Dock and Dredge, Inc. will be conducting dredging operations in the East Canal Basin, Erie Harbor, Erie, PA from March 10, 1997 until September 30, 1997. Operations will be 24 hours/7 days/wk. The tug MEAGHAN BETH may be contacted on VHF/FM channels 16 and 18. Tug and barges will be towing to and from disposal sites at the Confined Disposal Facility and the Open Lake dumping ground. [01/97]

LAKE ERIE - OH/PA-Survey Operations

Racal Pelagos Inc. intends to conduct geological survey in Lake Erie along the route indicated in enclosure (9). This survey will be conducted at slow speeds (approx. 4 kts.) and the vessel will have scientific equipment streamed astern. There will be times the vessel is stopped to collect bottom samples. The planned start date is August 28, 1997 for a duration of 7 to 10 days. Hours of operation will be 24 hours a day 7 days a week. The M/V MISEFORD may be contacted on VHF-FM channels 16/12/11 depending on the location. For further information contact Brian Busey and (519) 583-1080. [24/97]

LAKE ERIE - OH - Conneaut Harbor - Chart, 14824

Comments concerning the adequacy of the present aids to navigation systems between Conneaut Harbor Breakwater Light 1 (LLNR 3700) and Conneaut Shoal Buoy (LLNR 3735) are requested by November 1, 1997 and should be addressed to OFFICER IN CHARGE, USCG AIDS TO NAVIGATION TEAM BUFFALO, 1 Furman Blvd., Buffalo, NY 14203-3189. [03/97]

LAKE ERIE - OH - Fairport Harbor - Chart, 14837

Comments concerning the adequacy of the present aids to navigation systems between Fairport Harbor East Breakwater East End Light 1 (LLNR 3835) and Oksiloff Jetty Buoy A (LLNR 3960) are requested by November 1, 1997 and should be addressed to OFFICER IN CHARGE, USCG AIDS TO NAVIGATION TEAM HURON, 110 Wall St., Huron, OH 44839-1690. [03/97]

LAKE ERIE - OH - Euclid, Marine Repairs, Chart 14826

Manson Construction, Co. will be replacing The Euclid Waste Water Treatment Plant 48" outfall, 300 linear feet from shore until September 30, 1997. Work will proceed Monday through Saturday from 0600 to 2130 local time. Mariners are advised to use caution when transiting this area. M/V MARCEY can be contacted via either CH 16 VHF/FM. For further information, contact Ken Majka at (716) 632-6530. [17/97]

LAKE ERIE - OH - Cleveland -Breakwall Construction, Chart 14839

Kiewit Construction will be conducting Breakwall construction in Cleveland, OH until December 1, 1997. Operations will be 24hrs/7 days a week. The tug RICHARD REISS or barge KELSTONE may be contacted on VHF FM 8, 18 and 16. Temporary mooring buoys will be relocated after each vessel unloads. White spherical buoys are located in the channel north of Burke Lakefront Airport between Cleveland Harbor Channel Lighted Buoy 5 and Buoy 9. These buoys are marked with blue stripes and lighted with white strobe lights.. For further information contact Dennis Bahls. at (216) 241-3150. [08/97]

LAKE ERIE - OH - Avon Lake - Pier Renovation, Chart 14830

Marine Contracting Corp. will be conducting construction operations in Avon Lake, OH from March 25 until September 30, 1997. Operations will be from 0700 to 1800 local, Monday through Friday. The tug TIMBERLAND and the derrick CROW may be contacted on VHF FM 19. For further information contact Victor J. Monz Jr. at (216) 246-3903. Avon Lake Launch Basin Light (LL4275) has been discontinued. [03/97]

LAKE ERIE - OH - Toledo -Bridge Maintenance, Chart 14847

Due to the nature of maintenance work on the Craig Memorial Bridge, Mile 3.3 Over the Maumee River in Toledo OH, Mariners are required to provide 12 hour advance notice prior to transiting the draw for the remainder of the 1997 navigation season. [15/97]

Lake Erie- MI - River Raisin - Dredging Operations, Chart 14846

A silt curtain will be blocking the north half of the River Raisin at the Port of Monroe and extending east 800 feet. Location Latitude 41-53-59N to 41-54-02N and Longitude 83-21-05W to 83-21-25W. An environmental dredging project to remove PCB impacted river sediments is scheduled to occur in the River Raisin October 1. During the dredging operations the south section of the river which is 70 feet in width will be open to all pleasure craft and small commercial vessels. Vessels should transit the area at bare minimum steerage. No stopping is permitted within the zone. Large commercial vessels are not permitted use of River Raisin within this zone until 01 October. POC: Ford Project Coordinator at 313-322-3761. [23/97]

LAKE ERIE - OH - Cleveland Harbor, Bridge maintenance, Chart 14839

The Great Lakes Const. Co. will be performing pier replacement work on the south side of the I-490 bridge at mile 5.8 over the Cuyahoga River starting approximately 15 September until 31 October 1997. Temporary H-piles will be placed no more than 10 feet into the river from the pier to hold oil containment booms. The H-piles will be lighted by the contractor. Mariners should use caution while transiting the area. [23/97]

LAKE ERIE TO LAKE HURON - Obstruction Removal and Survey

Beginning on or about March 30, 1997, and continuing throughout the 1997 navigation season, the U. S. Army Corps of Engineers S/V PAJ, cranebarge VELER, along with other survey vessels and attendant plant, will perform obstruction removal and survey operations in various Federal navigation channels of Lake Huron, the St. Clair River, Lake St., Clair, the Detroit River and Lake Erie, While performing survey operations, the s/v PAJ (a 120 feet long by 33 feet wide vessel), may be transiting the channels in a transverse (sideways) mode and thus will be one of the widest vessels in the channels. Also, operating in this mode, the maneuverability of the vessel is restricted, Appropriate shapes and/or lights will be exhibited. Operations will be conducted Monday through Friday from 0700 to 1900 hours. Vessel operators should use caution and reduce speed when navigating in the vicinity of these operations. All inquiries should be addressed to CENCE-CO-OO , U.S. ARMY CORP OF

ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests No. L97-02. [03/97]

LAKE ERIE - OH -Turtle Creek - Dredging Operations, Chart 14842

The GEO. Gradel Co. is conducting dredging operations at the entrance of Turtle Creek until September 30, 1997. Two lighted mooring buoys have been placed 600 yards northeast of the Turtle Creek entrance. Hours of operation are 24 hours a day 7 days a week. The M/V MIGHTY JAKE may be contacted on VHF-FM channels 16 and 18. For further information contact Mr. John Gradel at (419) 691-7123. [23/97]

DETROIT RIVER - MI - East and West Outer Channel - Chart, 14848

Comments concerning the adequacy of the present aids to navigation systems between Detroit River Light (LLNR 6885) and Peche Island Buoy (LLNR 8275) are requested by November 1, 1997 and should be addressed to COMMANDING OFFICER, USCGC BRISTOL BAY, 110 Mt. Elliott Ave., Detroit, MI 48207-4380. [03/97]

ST. CLAIR RIVER - MI - Lake Huron Cut - Chart, 14852

Comments concerning the adequacy of the present aids to navigation systems between St. Clair Flats Canal Buoy 1 (LLNR 9570) and Lake Huron Cut Lighted Buoy 12 (LLNR 10090) are requested by November 1, 1997 and should be addressed to COMMANDING OFFICER, USCGC BRAMBLE, P.O. Box 610786, Foot of Lincoln Ave., Port Huron, MI 48061-0786. [03/97]

ST. CLAIR RIVER - MI - SOUTH END OF LAKE HURON - Bridge Maintenance, Chart 14865

Contractors have commenced the construction and erection of containment scaffolding under the United States side of the Blue Water bridge to facilitate painting and rehabilitation. This work will continue until approximately 08 September 1997. After that time, the scaffolding will be in place until September 1998. The scaffolding will be constructed on shore and swung into place when marine traffic is cleared. Once in place, the vertical clearance will be reduced by no more than 10 feet in the navigation channel. Temporary yellow lights will mark the ends of the scaffolding and the regular navigation lights will be operational throughout the project. [24/97]

LAKE HURON - MI - Saginaw Bay and River - Surveys, 14867

U. S. Army Corps of Engineers' survey vessels will be performing survey operations within the Federal navigation channels in the Saginaw Bay and the Saginaw River, Michigan throughout the 1997 navigation season. Vessel operators should use caution and reduce speed when navigation in the vicinity of these operations. All inquiries should be addressed to CENCE-CO-OO, U.S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests No. L97-03. [03/97]

ST. MARYS RIVER - MI - St. Marys River - Chart, 14883

Comments concerning the adequacy of the present aids to navigation systems between Drummond Island South Side Big Shoal Buoy 2 (LLNR 12765) and West Neebish Channel Lighted Buoy 1 (LLNR 13755) are requested by November 1, 1997 and should be addressed to COMMANDING OFFICER, USCGC BUCKTHORN, C/O USCG BASE, 337 Water St., Sault Ste Marie, MI 49783-9501. [03/97]

ST. MARYS RIVER - MI - General - Channel Maintenance Operations - Chart 14883

U. S. Army Corps of Engineers floating plant (survey vessels and derrick boats) will be performing channel maintenance operations in various reaches and channels of the St. Marys River throughout the 1997 navigation season. Vessel operators are requested to navigate through caution when in the vicinity of these operation and to reduce speed when requested to do so. Wakes caused by vessels in the area of survey operations may cause a delay in these operations of up to thirty minutes while waiting for these wakes or ground swells to subside. Radio contact may be established with these vessels on VHF Channel 14 in the Locks area and VHF Channels 16, 13 or 12 in other areas of the river. Small boat operators are cautioned to keep clear of these operations and listen and watch for signals from personnel on these vessels. [02/97]

ST. MARYS RIVER - MI -West Approach to Sabin (Fourth) Lock, Acoustic Test Bed, Chart 14883

As shown on enclosure 2 in LNM 02/97, the large rocks, which were placed in the West Approach - North Canal of the Sabin (Fourth) Lock for the purpose of testing acoustic shoal detection equipment are still in place. The top of the rocks may be up to four (4) feet above the existing bottom. The rocks will be in place for the rest of the 1997 Shipping Season. Vessel operators are advised to use caution when navigation in this area. [02/97]

ST. MARYS RIVER - MI -Soo Locks - Gate Repairs, Chart 14884

Ryba Marine Construction Co., will be conducting repairs on the compensating gates at Sault Ste. Marie, MI from May 1 until September 15, 1997. Hours of operation will be 12Hrs/7 days per week. The dredge VENTURE may be contacted on channels 16 and 13. For further information, contact Thomas R. Morrish at (616)627-4333. [05/97]

LAKE MICHIGAN - WI - Milwaukee Harbor - Bridge construction, Chart 14924

Construction of the north leaf of the new Kinnickinnic Ave. bridge, mile 1.63 over the Kinnickinnic River in Milwaukee, WI, has commenced. The leaf cannot be raised and the north half of the channel is obstructed to marine navigation until approximately 15 September 1997. After that time, the north leaf will be operational and the south half of the channel will be closed to navigation for the remainder of the 1997 season. Barges are being used to facilitate construction. Mariners are advised to use caution when transiting the area. [23/97]

LAKE MICHIGAN - WI - Green Bay, Dredging Operations, Chart 14918

The Roen Salvage Company is conducting dredging operations in Green Bay between Grassy Island and Long Tail Point and also upper Fox River near Upper Turnagin and the railroad bridge until December 15, 1997. Hours of operation are 24 hours a day 7 days a week. The Tug STEVEN ASHER may be contacted on VHF-FM channels 7 and 16. The area is marked with green and white buoys not to be used for navigation and poles with yellow flashing lights will be adjacent to channel. For further information contact Thomas Levy at (920) 743-6533. [23/97].

LAKE MICHIGAN - IL - CAL -SAG Channel - Bridge painting, Chart 14926

The Eagle Painting and Contracting Co. will commence maintenance work on Cicero Ave. bridge, mile 18.08 over the Cal - Sag Channel, 26 August 1997 until approximately 26 September 1997. A 4-foot wide scaffolding will be placed under the bridge at various points, reducing the vertical clearance by 2 feet in those areas. Work will be done 7 days a week between the hours of 0700 and 2000 daily. [23/97]

LAKE MICHIGAN - MI - Pentwater Harbor, Breakwall repair, Chart 14907

Luedtke Engineering Co., will be conducting Breakwall repairs at Pentwater Harbor, MI from May 15 until November 30, 1997. Hours of operation will be 24Hrs/7days a week. The tug PAUL LUEDTKE or DKBT #12 may be contacted on channels 16 and 19. For further information, contact Jon Keillor at (616)352-9631. [02/97]

LAKE MICHIGAN - IN - Burns Harbor, Dredging, Chart 14926

The King Co., Inc. will be conducting dredging operations by Northern Indiana Public Service Co. approximately 1 statute mile East of Burns International Harbor from July 1 until September 15. Hours of operation will be 24Hrs/7days a week. The tug CAROL ANN may be contacted on VHF/FM channels 13 and 16. For further information, contact Ron Ward at (616) 399-1784. [17/97]

LAKE MICHIGAN - IN - Burns Harbor, Breakwater Construction, Chart 14926

Roen Salvage Co. will be conducting underwater breakwater construction at Burns Harbor, IN from 26 June to 01 September 1997. Hours of operation will be 24Hrs/7days a week. There are flashing yellow lights on poles located outside the existing breakwater mark survey points. The tug STEPHAN ASHER may be contacted on channels 16 and 07. For further information, contact Thomas M. Drager at (414)743-6532. [16/97]

LAKE MICHIGAN - IN - Michigan City, Bridge operating schedule, Chart 14926

The Franklin Street bridge, mile 0.5 over Trail Creek, will open as follows for recreational vessels throughout the 1997 boating season: between 0615 and 2315, daily, the bridge need open only from 3 minutes before to 3 minutes after the quarter-hour and three-quarter hour. The bridge will open on signal for commercial vessels, public vessels, vessels in distress, and during severe weather for recreational vessels. [01/97]

LAKE MICHIGAN - IL - Chicago River - Bridge Maintenance and Clearance Reduction - Chart 14848

Maintenance on the Sag Highway (Route 83) bridge, mile 23.2 over the Chicago Sanitary and Ship Canal, will require supports be placed on the underside of the bridge that will reduce the vertical clearance from 39 feet to 37 feet along the entire length of the bridge. This work is scheduled for completion in May of 1998. [36/96]

LAKE MICHIGAN - IL - Chicago Lakefront, Breakwall Repair, Chart 14927

This is an update on information provided in LNM 17/97. American Marine Constructors will be conducting Repairs on the south Chicago filtration plant breakwall until approximately November 30. Work will proceed Monday through Saturday from 0700 to 2000 local time. Mariners are advised to use caution, reduce speed and maintain a safe distance when transiting this area. M/V DEFIANCE or M/V ALICE E can be contacted via either CH 16 or 18A VHF/FM. For further information, contact American Marine Constructors at (616) 926-1717. [24/97]

LAKE MICHIGAN - IL - Chicago Lakefront, Breakwall Repair, Chart 14927

This is an update on information provided in LNM 17/97. American Marine Constructors will be conducting Repairs on the south Chicago filtration plant breakwall until 30 November 1997. Mooring buoys will be placed in position 41-45-27N 87-31-30W and 41-44-26N 87-31-00W until December 15, 1997. Work will proceed Monday through Saturday from 0700 to 2000 local time. Mariners are advised to use caution, reduce speed and maintain a safe distance when transiting this area. M/V DEFIANCE, M/V ALICE E or BARGE WISCONSIN can be contacted via either CH 16 or 18A VHF/FM. For further information, contact American Marine Constructors at (616) 926-1717. [18/97]

LAKE MICHIGAN - IL - Chicago River, Bridge Rehabilitation, Chart 14927

The rehabilitation of Cermak Road bridge, mile 4.05 over the South Branch of the Chicago River, will commence April 1, 1997 and continue until approximately May 1998. Work will be done Monday through Saturday, 0700-1530. One leaf will be in the open position at all times with approximately 50-70 feet of horizontal clearance at any time. Mariners may have up to 100 feet of clearance by providing a 1-hour advance notice to raise the other leaf. Advance notice may be provided by calling the Thatcher Engineering Corp. barge on VHF-FM channel 16, or Mr. Van Sutphen at work (312) 805-7335, or home (630) 910-1045. Work barges will be in the water during cofferdam work and reconstruction from June 1 to approximately September, 1997 with about 100 feet of clearance. [01/97]

LAKE MICHIGAN - IL - Jackson Park Harbor - Breakwall repairs, Chart 14928

Edward E. Gillen Co. will be conducting breakwater repairs at Jackson Park Harbor, Chicago, IL from April 27 until December 15, 1997. Hours of operation will be 24 Hrs/ Monday - Saturday. The tug GILLKEN III, HARBOR BUILDER or ANDREW J may be contacted on channels 7, 8 and 16. Construction consists of rehabbing an existing breakwater at Jackson Harbor Marina. Entrance lights will be operable. Anticipate 5 barges on site during construction. Jackson Harbor Middle Light (LLNR 19880) has been temporarily disestablished. A temporary mooring buoy will be install approximately a half mile out from land. The buoy will be blue with a white horizontal strip and lit with either an amber or a white light. For further information, contact Chad Keillor or Tom Miller at (414)769-3120. [05/97]

LAKE MICHIGAN - WI - Milwaukee - Bridge Construction, Chart 14924

Lund Construction will be conducting bridge construction at Milwaukee Harbor, WI until November 1, 1997. Hours of operation will be 0700 to 1500/Monday - Friday. For further information, contact Joe Kadunc at (414)547-1781. [05/97]

LAKE MICHIGAN - WI - Fox River - Bridge Construction, Chart 14918

This is an update on information provided in LNM 04/97. The following is a change in the contractor's hours of operation for the construction of the Main Street Bridge across the Fox River, mile 1.62, Green Bay, Wisconsin. Monday through Friday, construction activities will take place between the hours of 0630 and 1730, and 0630 to 1530 on Saturday. Mariners must use the new river channel located between piers 3 and 4. Construction equipment will be moved out of the channel at the end of each day. Channel 16 will be monitored, Mariners are requested to give the contractor a six hour notice to allow for passage of vessels. [14/97]

LAKE SUPERIOR - MI - Ontonagon Harbor - Rubble Mound Repairs, Chart 14965

The U.S. Army Corps of Engineers will be conducting rubble mound repairs to the Government navigation structures at Ontonagon Harbor, Michigan, as depicted in Local Notice to Mariners 17/97 enclosure [3]. For further information, contact the Duluth Area Engineer at (218) 720-5264.

Internet address: <http://sparky.nce.usace.army.mil/OandM/o&m.html>. [17/97]

LAKE SUPERIOR - MI - Ontonagon Harbor - Rubble Mound Repairs, Chart 14965

The U.S. Army Corps of Engineers will be conducting rubble mound repairs to the Government navigation structures at Ontonagon Harbor, Michigan, as depicted in Local Notice to Mariners 17/97 enclosure [3]. For further information, contact the Duluth Area Engineer at (218) 720-5264.

Internet address: <http://sparky.nce.usace.army.mil/OandM/o&m.html>. [17/97]

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	Events	Dates	Time (Local)
Cleveland, OH	Edgewater YC - Sailboat Race	SEPTEMBER 01	1000-1600
Toledo, OH	Labor Day Fireworks	SEPTEMBER 01	2200-2300
Saginaw Bay, MI	Saginaw Bay Yacht Racing Assoc.	SEPTEMBER 02	1900-2130
Detroit, MI	Detroit YC Thursday Nite Series	SEPTEMBER 05	1830-2400
Saginaw Bay, MI	Saginaw Bay Yacht Racing Assoc.	SEPTEMBER 06	1000-1800
Detroit, MI	Detroit YC Sweepstakes Regatta	SEPTEMBER 06	1000-1930
Cleveland, OH	Edgewater YC - Sailboat Race	SEPTEMBER 07	1000-1600
Saginaw Bay, MI	Saginaw Bay Yacht Racing Assoc.	SEPTEMBER 07	1000-1700
Saginaw Bay, MI	Saginaw Bay Yacht Racing Assoc.	SEPTEMBER 09	1900-2130
Chicago, IL	Tugs For Hugs 1997	SEPTEMBER 12	1400-1430
Cleveland, OH	Edgewater YC - Sailboat Race Assoc.	SEPTEMBER 13	1000-1600
Saginaw Bay, MI	Saginaw Bay Yacht Racing Assoc.	SEPTEMBER 13	1300-1700
Bayview, MI	Bayview Yacht Club - Sailboat Race	SEPTEMBER 13	1130-2100
Cleveland, OH	Edgewater YC - Sailboat Race	SEPTEMBER 14	1000-1600
Saginaw Bay, MI	Saginaw Bay Yacht Racing Assoc.	SEPTEMBER 14	1000-1700
Chicago, IL	C.E.O. Chicago 1997 Fireworks	SEPTEMBER 18	2100-2115
Cleveland, OH	Edgewater YC - Sailboat Race	SEPTEMBER 20	1000-1600
Cleveland, OH	Head of Cuyahoga River Rowing Regatta	SEPTEMBER 20	0800-1300
St. Clair Shores, MI	GPYC Bluenose Regatta	SEPTEMBER 20	0900-1800
Cleveland, OH	Edgewater YC - Sailboat Race	SEPTEMBER 21	1000-1600
St. Clair Shores, MI	GPYC Bluenose Regatta	SEPTEMBER 22	0900-1800
Sheboygan, WI**	Sheboygan Homecoming Fireworks	SEPTEMBER 25	2030-2100
St. Clair Shores, MI	Fall Championship Sailboat Race	SEPTEMBER 26	1800-2400
Lower Lake Huron/ St. Clair River	King of Castle/Cock of Walk Race	SEPTEMBER 27	1200-1600
Detroit, MI	DYC Midwest Collegiate Sail Assoc	SEPTEMBER 27	0800-1900
Saginaw, MI	River of Time Canoe Rally	SEPTEMBER 27	1000-1700
Detroit, MI	DYC Midwest Collegiate Sail Assoc	SEPTEMBER 28	0800-1400
Cleveland, OH	Edgewater YC - Sailboat Race Assoc.	SEPTEMBER 28	1000-1600
Saginaw, MI	River of Time Canoe Rally	SEPTEMBER 28	1000-1700
Cleveland, OH	Edgewater YC - Sailboat Race	OCTOBER 05	1000-1600
Windsor, ONT	Windsor YC "Wednesday Night Races"	OCTOBER 08	1800-2200
Cleveland, OH	Edgewater YC - Sailboat Race	OCTOBER 11	1000-1600
Cleveland, OH	Edgewater YC - Sailboat Race	OCTOBER 12	1000-1600
Rockford, IL	Head Of The Rock Regatta	OCTOBER 12	0800-1600

GREAT LAKES - PERMANENT REGULATIONS

Event(s) listed below is/are or will be published as a Permanent Special Local Regulation for the great lakes Annual Marine Events in 33 CFR Part 100. Mariners desiring to transit the regulated area may do so only with prior approval of the Coast Guard Patrol Commander for the event. The Patrol Commander may be contacted on VHF-FM channel 16 (156.8 MHz) by the call sign "Coast Guard Patrol Commander".

EVENT: CHICAGO AIR AND WATER SHOW

DATE: August 21-24, 1997

TIME: August 21: 10:00 AM to 3:00 PM.

August 22: 11:00 AM to 4:00 PM.

August 23/24: 8:30 AM to 5:00 PM.

8:30 PM to 9:30 PM

August 24: 8:30 AM to 5:00 PM

EVENT DETAILS: August 21: Meigs Field Press Show.

August 22: North Avenue Beach Practice Show.

August 23: North Avenue Beach Show

Navy Pier Night Show

August 24: North Avenue Beach Show.

PARTICIPANTS: Chicago Police Marine Units, Chicago Park District Life Guards, United States Coast Guard and Auxiliary.

PATROL COMMANDER Commanding Officer, U.S. Coast Guard Station Calumet Harbor, IL.

REGULATED AREA: That portion of Lake Michigan, 41-55'54"N at shore, then east to a point at 41-55'54"N,087-36'45"W, then southwest to a point at 41-53'42"N,087-35'24"W at the Chicago outer breakwall then west to shore.

GREAT LAKES - SAFETY ZONE REGULATIONS

The Commander Ninth Coast Guard District, has issued Special Local Regulations, under 33 CFR Part 100, for the following event:

<u>Location</u>	<u>Events</u>	<u>Dates</u>	<u>Time (Local)</u>
Chicago, IL	Chicago Air and Water Show	August 21-24	See Above Event

SUMMARY OF DREDGING/CONSTRUCTION OPERATIONS STILL IN EFFECT

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

Location LNM Subject Hours / Days Until

ST. LAWRENCE SEAWAY

Prescott, Ont	04/97	DIVING OPERATIONS	DAYLIGHT	FURTH NOTICE
New York State Barge Canal, NY	16/97	BRIDGE MAINTENANCE, ADVANCE NOTICE		15 SEP 97

LAKE ONTARIO

Wilson Harbor, NY	17/97	DREDGING	24HRS/7 DAYS A WEEK	30 SEP 97
Oak Orchard Harbor, NY	17/97	DREDGING	24HRS/7 DAYS A WEEK	15 SEP 97

LAKE ERIE

Eastern Lake Erie	24/97	SURVEY	24HRS/7 DAYS A WEEK	07 SEP 97
Cleveland, OH	23/97	BRIDGE MAINTENANCE, ADVANCE NOTICE		31 OCT 97
Dunkirk Harbor, NY	17/97	DREDGING	24HRS/7 DAYS A WEEK	01 SEP 97
Euclid, OH	17/97	WASTE WATER TREATMENT PLANT REPAIRS	0600-2130/MON-SAT	30 SEP 97
Cleveland, OH	05/97	BREAKWALL CONSTRUCTION	24HRS/7 DAYS A WEEK	31 OCT 97
Avon Lake, OH	03/97	PIER RENOVATION	0700-1800/MON-FRI	30 SEP 97
Toledo, OH	15/97	BRIDGE MAINTENANCE, ADVANCE NOTICE		01 NOV 97
River Raisin, MI	10/97	DREDGING		01 OCT 97
Lake Erie to Lake Huron	03/97	SURVEY OPERATIONS	0700-1900/MON-FRI	15 DEC 97
Toledo, OH - Turtle Creek	23/97	DREDGING	24HRS/7 DAYS A WEEK	30 SEP 97

LAKE HURON

St. Clair River, MI	24/97	BRIDGE CONSTRUCTION		08 SEP 97
Saginaw Bay and River, MI	03/97	SURVEY OPERATIONS		15 DEC 97
Saginaw Bay and River, M	22/97	DREDGING	24HRS/7 DAYS A WEEK	17 SEP 97

ST. MARYS RIVER

St. Marys River, MI	02/97	CHANNEL MAINTENANCE		31 DEC 97
St. Marys River, MI	05/97	GATE REPAIRS	12HRS/7 DAYS A WEEK	15 SEP 97

LAKE SUPERIOR

Silver Bay, MN 10/97	BREAKWATER CONSTRUCTION	0500-2300/MON-SAT		
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LAKE MICHIGAN

Pentwater, MI	02/97	BREAKWALL REPAIR	24HRS/7 DAYS A WEEK	30 NOV 97
White Lake, MI	04/97	CONSTRUCTION	0800-1800/MON-SAT	DEC 97
Burns Harbor, IN	17/97	DREDGING	24HRS/7 DAYS A WEEK	15 SEP 97
Jackson Park, Chicago, IL	05/97	BREAKWALL MAINTENANCE	24HRS/MON-SAT	15 DEC 97
Cermak Road Bridge, Chicago, IL	01/97	BRIDGE REHABILITATION	0700-1530/MON-SAT	MAY 98`
Filtration Plant, Chicago, IL	17/97	BREAKWALL REPAIR	0700-2000/MON-SAT	30 NOV 97
Milwaukee, WI	05/97	BRIDGE CONSTRUCTION	0700-1500/MON-FRI	01 NOV 97

Location	LNM	Subject	Hours / Days	Until
Fox River, Green Bay, WI	09/97	BRIDGE CONSTRUCTION	0630-1730/MON-FRI	01 NOV 97
Saginaw Bay	22/97	DREDGING	24HRS/7 DAYS A WEEK	17 SEP 97
CAL-SAG Channel, IL	22/97	BRIDGE MAINTENANCE		0700-2000/7 DAYS
A WEEK	26 SEP 97			
Milwaukee Harbor, WI	23/97	BRIDGE CONSTRUCTION, ADVANCE NOTICE		15 SEP 97
Green Bay, WI	23/97	DREDGING, ADVANCE NOTICE	24HRS/7 DAYS A WEEK	15 DEC 97
Fox River, WI	23/97	DREDGING, ADVANCE NOTICE	24HRS/7 DAYS A WEEK	15 DEC 97

VIII. LIGHT LIST CORRECTIONS, VOL VII, GREAT LAKES since 23/97

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

(1) No.	(2) Name and location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5215	- BAY POINT MARINA EAST LIGHT	41 30.9 82 43.2	Q W	10 3		On white post.	Maintained from May 15 to Nov. 15. Private aid. * 24/97
5245	- BAY POINT MARINA SOUTH LIGHT	41 30.6 82 43.5	Q W	8 2		On white post.	Maintained from May 15 to Nov. 15. Private aid. * 24/97

IX. ENCLOSURES

- (1) Coast Pilot 6 27th Ed 1997 change No. 5
- (2) U.S. Army Corps of Engineers Notice No. L97-46
- (3) U.S. Army Corps of Engineers Notice No. L97-48
- (4) U.S. Army Corps of Engineers Notice No. L97-50
- (5) U.S. Army Corps of Engineers Notice No. L97-51
- (6) U.S. Army Corps of Engineers Notice No. L97-47
- (7) U.S. Army Corps of Engineers Notice No. L97-49
- (8) U.S. Army Corps of Engineers Notice No. L97-52
- (9) Proposed Pipeline Route
- (10) Federal Register (62 FR 43907)
- (11) Federal Register (62 FR 42931)

John F. McGowan
Rear Admiral, U. S. Coast Guard
Commander, Ninth Coast Guard District