



Notice to Navigation Interests

US Army Corps
of Engineers
Buffalo District
1776 Niagara Street
Buffalo, New York 14207-3199

L 12 – 11	July 23, 2012
Notice No.	Date
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Waterway	

Lake Erie, Ohio

LRB-TD-ONS

Condition of Federal Navigation Channel Lorain Harbor, Lorain, Ohio

1. Condition surveys performed within the Federal Navigation Channel at Lorain Harbor, Ohio during the months of June 2012 indicate shoaling has reduced depths to those shown on the attached standard tabular form and channel condition drawings.
2. Soundings are in feet and referred to Low Water Datum (LWD) 569.2 feet above Mean Water Level (MWL) at Rimouski, Quebec (International Great Lakes Datum 1985).
3. Vessel operators are advised to use caution when navigating in this area.
4. Copies of the sounding print for Lorain Harbor, Ohio consisting of (1) sheet, 12S-LOR-1/1 and 1/2, at a cost of \$2.50 per sheet will be furnished upon receipt of a check in the full amount made payable to: USACE Finance and Accounting. Requests should be addressed to: District Commander, U.S. Army Engineer District, Buffalo, ATTN: NY/PA O&M Office, 1776 Niagara Street, Buffalo, New York 14207, requesting exact number or copies of sheets by file number. A point of contact and phone number must be indicated to facilitate response to the request. To download the same information and other related materials at no cost, simply point your web browser to <http://www.lrb.usace.army.mil/WhoWeAre/WaterMgmt/survey/survey.html> click on the year and then locate the harbor on the table of harbors.
5. Buffalo District's point of contact in reference to the exact number of sheets, file number, and the availability of any later information pertaining to the area is Mr. Roman H. Figler III, PLS, Chief, Survey Section, Buffalo District, who may be contacted by phone at 716-879-4429.

Mr. ROMAN H. FIGLER III, PLS
Chief, Survey Section
NY/PA Operations and Maintenance Office

**REPORT OF CHANNEL CONDITIONS
(FOR CHANNELS 400 FEET WIDE OR GREATER)
(ER-1330-2-316)**

PAGE 2 OF 5 PAGES

DATE July 23, 2012

TO: ACCOMPANY LOCAL NOTICE TO NAVIGATION INTERESTS, DATED

FROM: U.S. ARMY CORPS OF ENGINEERS, BUFFALO DISTRICT
1776 NIAGARA STREET, BUFFALO, NY 14207-3199
(716) 879-4292 FAX (716) 879-4356

RIVER/HARBOR NAME AND STATE
LORAIN HARBOR, LORAIN, OHIO

MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (feet)	DEPTH (feet)				
SHALLOWEST DEPTHS AS PER DRAWING					1	2	3	4
(A) LAKE APPROACH CHANNEL.	JUNE 2012	800-525	2000 (a)	29	26.0(3)	26.7	27.2	26.1(4)
(B) OUTER HARBOR.	JUNE 2012	800-200	2700 (b)	28	24.7(5)	26.4	27.2	24.6(6)
(C) EAST MOORING AREA.	JUNE 2012	0-580*	1250 (b)	25	18.2(2)			
(D) WEST MOORING AREA.	JUNE 2012	0-1000*	1550 (b)	25	16.5(1)			

FOOT NOTES;

- (1) Shoaling to 14.7 within 14' of Basin limit 41.47301425 N 82.18779988 W
- (2) Shoaling to 14.9 within 19' of Basin limit 41.47717388 N 82.18374952 W
- (3) Shoaling to 25.6 within 0' of Left limit 41.48015947 N 82.1915592 W
- (4) Shoaling to 24.9 within 1' of Right limit 41.47763216 N 82.19038121 W
- (5) Shoaling to 24.7 within 1' of Left limit 41.47299589 N 82.1830559 W
- (6) Shoaling to 21.9 within 2' of Right limit 41.47697323 N 82.19014544 W

* NOT FULLY MAINTAINED:

- (a) LENGTH VARIES DEPENDING ON THE LOCATION OF THE 29 FOOT CONTOUR IN LAKE ERIE.
- (b) IRREGULARLY SHAPED, WITH THE WIDTH VARYING. SEE PROJECT CONDITION DRAWINGS.

NOAA Chart 14841

**REPORT OF CHANNEL CONDITIONS
(FOR CHANNELS LESS THAN 400 FEET WIDE)
(ER-1330-2-316)**

PAGE 3 OF 5 PAGES

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RIVER/HARBOR NAME AND STATE
LORAIN HARBOR, LORAIN, OHIO

MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD

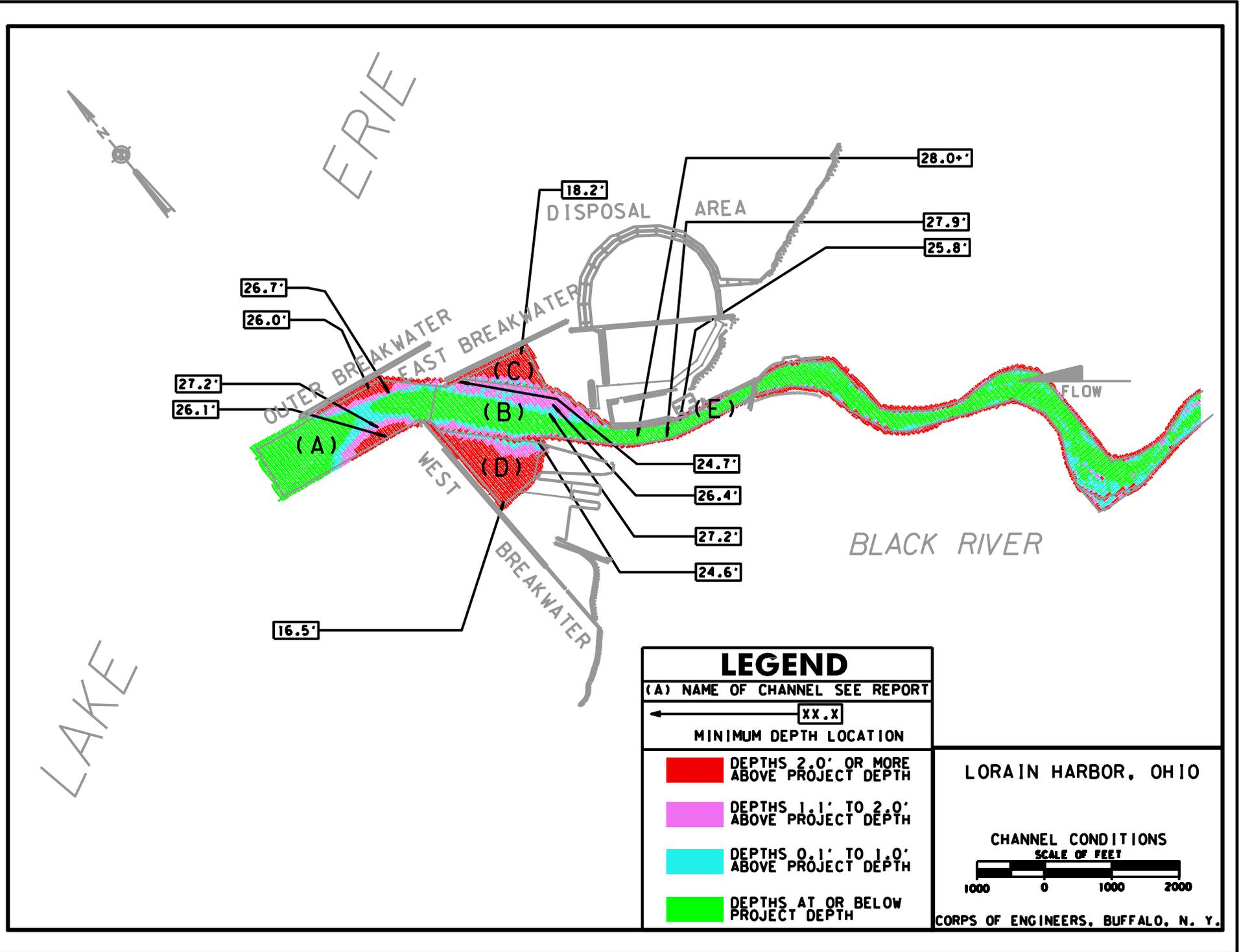
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (feet)	DEPTH (feet)			
(E) BLACK RIVER CHANNEL FROM EAST PIER LIGHT TO 1000 FEET UPSTREAM.	JUNE 2012	220	1000	28	25.8 (2)	28.0+	27.9 (3)
(F) BLACK RIVER CHANNEL FROM UPSTREAM END OF (E) TO N&W RAILROAD BRIDGE.	JUNE 2012	200-400	4400	27	20.1 (4)	26.7	22.7 (5)
(G) BLACK RIVER CHANNEL FROM N&W RAILROAD BRIDGE TO THE 21 ST STREET BRIDGE.	JUNE 2012	200-600	4100	27	23.3 (6)	24.3	21.5(7)
(H) BLACK RIVER CHANNEL FROM 21 ST STREET BRIDGE TO WITHIN 400 FEET OF UPSTREAM PROJECT LIMITS.	JUNE 2012	200-400	4800	27	12.9 (8)	14.6	23.1
(I) LOWER TURNING BASIN.	JUNE 2012	0-200	1000 (b)	20	17.9 (1)		
(J) UPPER TURNING BASIN.	JUNE 2012	0-700	1200 (b)	21	11.7		
(K) UPPER TURNING BASIN.	JUNE 2012	0-400	600 (b)	17	6.3		
(L) BLACK RIVER CHANNEL, UPSTREAM 400 FEET.	JUNE 2012	200	400	24	16.7 (9)	15.4	15.0

FOOT NOTES;

- (1) Shoaling to 12.5 within 9' of Basin limit 41.45713825 N 82.16559063 W
- (2) Shoaling to 25.6 within 2' of Left limit 41.47195428 N 82.18210736 W
- (3) Shoaling to 26.9 within 1' of Right limit 41.47185174 N 82.18329993 W
- (4) Shoaling to 18.8 within 0' of Left limit 41.46978474 N 82.17311372 W
- (5) Shoaling to 20.5 within 0' of Right limit 41.46682531 N 82.17241477 W
- (6) Shoaling to 20.2 within 3' of Right limit 41.45706885 N 82.1603627 W
- (7) Shoaling to 22.7 within 0' of Left limit 41.45800669 N 82.16272526 W
- (8) Shoaling to 12.8 within 3' of Left limit 41.45269869 N 82.15090398 W
- (9) Shoaling to 15.9 within 0' of Left limit 41.45384416 N 82.14733541 W

(b) IRREGULARLY SHAPED, SEE PROJECT CONDITION DRAWINGS.

NOAA Chart 14841



LAKE

ERIE

BLACK RIVER

LEGEND

(A) NAME OF CHANNEL SEE REPORT

← [XX.X] MINIMUM DEPTH LOCATION

- DEPTHS 2.0' OR MORE ABOVE PROJECT DEPTH
- DEPTHS 1.1' TO 2.0' ABOVE PROJECT DEPTH
- DEPTHS 0.1' TO 1.0' ABOVE PROJECT DEPTH
- DEPTHS AT OR BELOW PROJECT DEPTH

LORAIN HARBOR, OHIO

CHANNEL CONDITIONS
SCALE OF FEET

1000 0 1000 2000

CORPS OF ENGINEERS, BUFFALO, N. Y.

