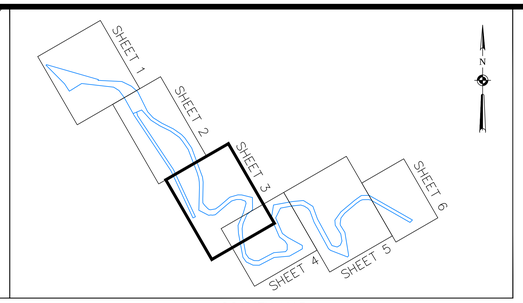
VICINITY MAP
NOT TO SCALE



LOCALITY MAP
NOT TO SCALE

SITE SPECIFIC NOTES:

1. PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM OF 569.2 FEET IGLD 1985.
2. HORIZONTAL CONTROL IS REFERRED TO NORTH AMERICAN DATUM 1983 NEW YORK STATE PLANE COORDINATE SYSTEM–WEST ZONE.
3. PROJECT DEPTH IS 23 FEET.
4. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. BANNING AND PARTY ON JUNE 25, 2013 THROUGH OCTOBER 9, 2013 USING:
   GPS POSITIONING, POS–MV VER.4 AND HEMISPHERE MBX–4
   BEACON USED; YOUNGSTOWN
   SONAR HEAD: 240 KHZ, SEABAT 7101 MULTIBEAM
   1.5 DEGREE BEAMS 210 DEGREE ARC
   HEAVE PITCH AND ROLL; APPLANIX POS–MV VER. 4
   VELOCITY PROFILER; RESON SVP 15
   HYPACK SURVEY SOFTWARE
   SURVEY LAUNCH "CROTTY"
5. THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION AT THAT TIME.
6. THE TOPOGRAPHIC INFORMATION IS BASED ON AERIAL PHOTOGRAPHY ACQUIRED FROM 1998 THROUGH 2004.
7. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110–2–1003.

LEGEND OF SYMBOLS	
17+00	CHANNEL STATIONING
○ 417	CHANNEL CORNER
◎ H.L.F.	HARBOR LINE CORNER
———	FEDERAL CHANNEL
———	HARBOR LINE
	SUBMARINE CABLE
	CAN BOUY
	NUN BOUY
	LIGHTED BOUY
	FIXED LIGHT
	LIGHT HOUSE
W	LIGHT COLOR WHITE
R	LIGHT COLOR RED
G	LIGHT COLOR GREEN
FL	FLASHING LIGHT
F	FIXED LIGHT
Oc	OCCULTING LIGHT
Iso	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

CHANNEL CORNER COORDINATES

Point #	NORTHING	EASTING
480	1044681.11	1071523.70
482	1044425.83	1071597.16
483	1044477.88	1071772.08
484	1044247.29	1071623.69
485	1044255.28	1071799.60
486	1043997.44	1071632.23
487	1044004.91	1071793.14
488	1042952.07	1071602.14
489	1043462.41	1071783.50
490a	1042724.15	1072045.62
491	1043289.09	1071787.86
493	1043175.84	1071872.78
494b	1042727.45	1072233.90
495	1043014.26	1072030.70
496a	1042742.00	1072353.00
498	1043218.24	1072904.96
499a	1042973.73	1072106.05
500	1043382.74	1073113.79
501a	1042976.90	1072158.18
502	1043446.85	1073339.01
503a	1043015.72	1072370.94
504	1043446.50	1073537.61
505	1043162.83	1072572.86
506	1043369.42	1073746.31
507	1043555.61	1073027.10
508	1043272.55	1073777.30
509	1043662.26	1073401.73
510	1042824.68	1073647.67
511	1043656.71	1073576.07
512	1042260.29	1073403.82
513	1043538.16	1074068.38
514	1041897.16	1073425.63
515	1042974.94	1074075.81
517	1042753.28	1073812.90
519	1042347.05	1073637.39
521	1042108.82	1073594.60
523	1041744.52	1073616.48
552c	1042600.16	1071330.06
557c	1042652.94	1071443.36
1100	1042726.92	1072202.90
1101	1042734.13	1072176.78
1102	1042732.76	1072098.78
1103	1042724.95	1072090.92

SOUNDING COLOR LEGEND

- DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH
- DEPTHS AT OR BELOW PROJECT DEPTH

US Army Corps of Engineers
Buffalo District

This drawing was prepared using a CADD system. Scaling may be distorted.

DATE: October 17, 2013

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Checked by: ACK
Reviewed by:
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Chief, NY/PA Navigation and Maintenance Section

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
BUFFALO, NEW YORK 14207–3199

BUFFALO HARBOR, N.Y.
BUFFALO RIVER AND SHIP CANAL

PROJECT CONDITION SOUNDINGS 2013

SCALE: 1" = 100'

100' 0 100'
SCALE IN FEET

Sheet reference number:
VH – 103

Sheet 3 of 6

To view a color version of this map, point a web browser to http://www.lrb.usace.army.mil/WebMaps/NavMgmt/Survey/survey.html

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