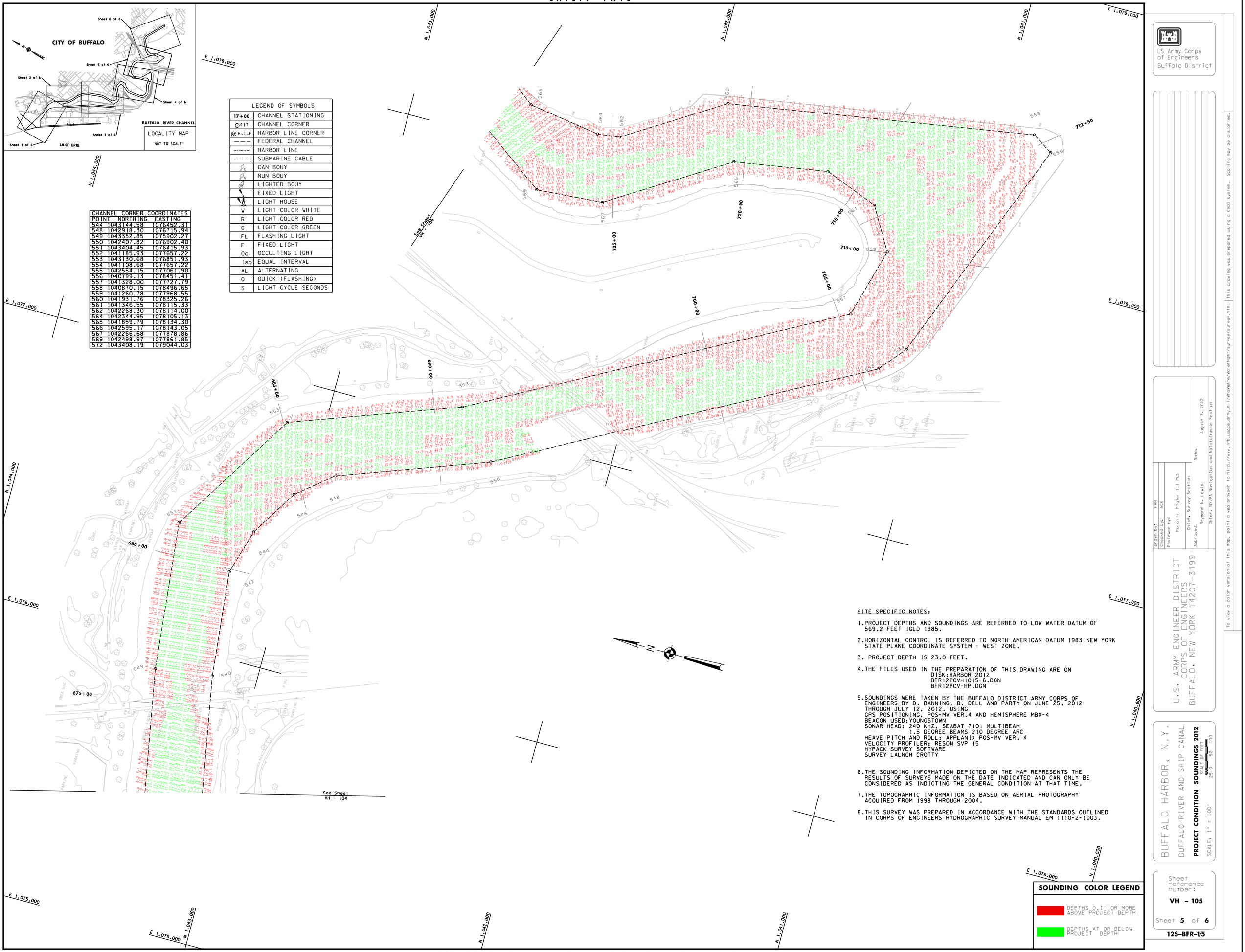
LOCALITY MAP
"NOT TO SCALE"

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
544	1043144.58	1076452.31
548	1042918.30	1076715.94
549	1043352.85	1075902.27
550	1042407.82	1076902.40
551	1043404.45	1076415.93
552	1041185.93	1077657.22
553	1043130.68	1076851.93
554	1041108.68	1077657.22
555	1042554.15	1077061.90
556	1040799.13	1078451.41
557	1041328.00	1077727.79
558	1040870.15	1078496.65
559	1041260.78	1077968.55
560	1041931.76	1078325.26
561	1041346.55	1078115.33
562	1042268.30	1078114.00
564	1042344.95	1078105.13
565	1041859.79	1078134.30
566	1042595.17	1078143.05
567	1042266.68	1077878.86
569	1042498.97	1077861.85
572	1043408.19	1079044.03



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 23.0 FEET.

4. THE FILES USED IN THE PREPARATION OF THIS DRAWING ARE ON
   DISK:HARBOR 2012
   BFR12PCVH1015-6.DGN
   BFR12PCV-HP.DGN

5. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. BANNING, D. DELL AND PARTY ON JUNE 25, 2012 THROUGH JULY 12, 2012. 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

6. THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICTING THE GENERAL CONDITION AT THAT TIME.

7. THE TOPOGRAPHIC INFORMATION IS BASED ON AERIAL PHOTOGRAPHY ACQUIRED FROM 1998 THROUGH 2004.

8. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110-2-1003.

SOUNDING COLOR LEGEND	
	DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH
	DEPTHS AT OR BELOW PROJECT DEPTH

US Army Corps of Engineers
Buffalo District

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 2012
SCALE; 1" = 100'
SCALE OF FEET
25 0 50 100

Drawn by: PAN
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Raymond N. Lewis
Chief, NY/PA Navigation and Maintenance Section
Date: August 7, 2012

Sheet reference number:
VH - 105

Sheet **5** of **6**

12S-BFR-1/5

To view a color version of this map, point a web browser to https://www.nfp.usace.army.mil/mkbarker/KatieMgt/Survey/Survey.html | This drawing was prepared using a CADD system. Scaling may be distorted.