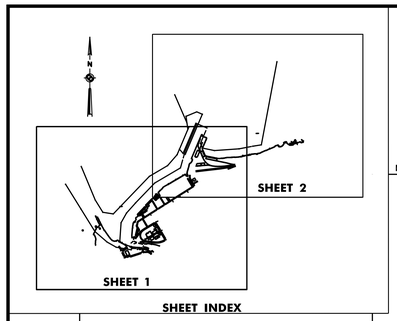

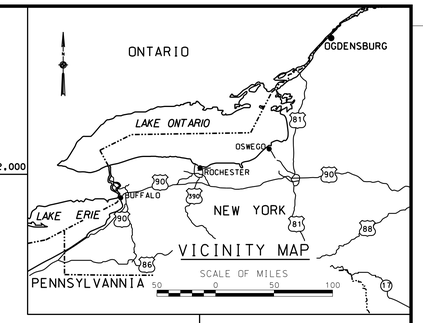

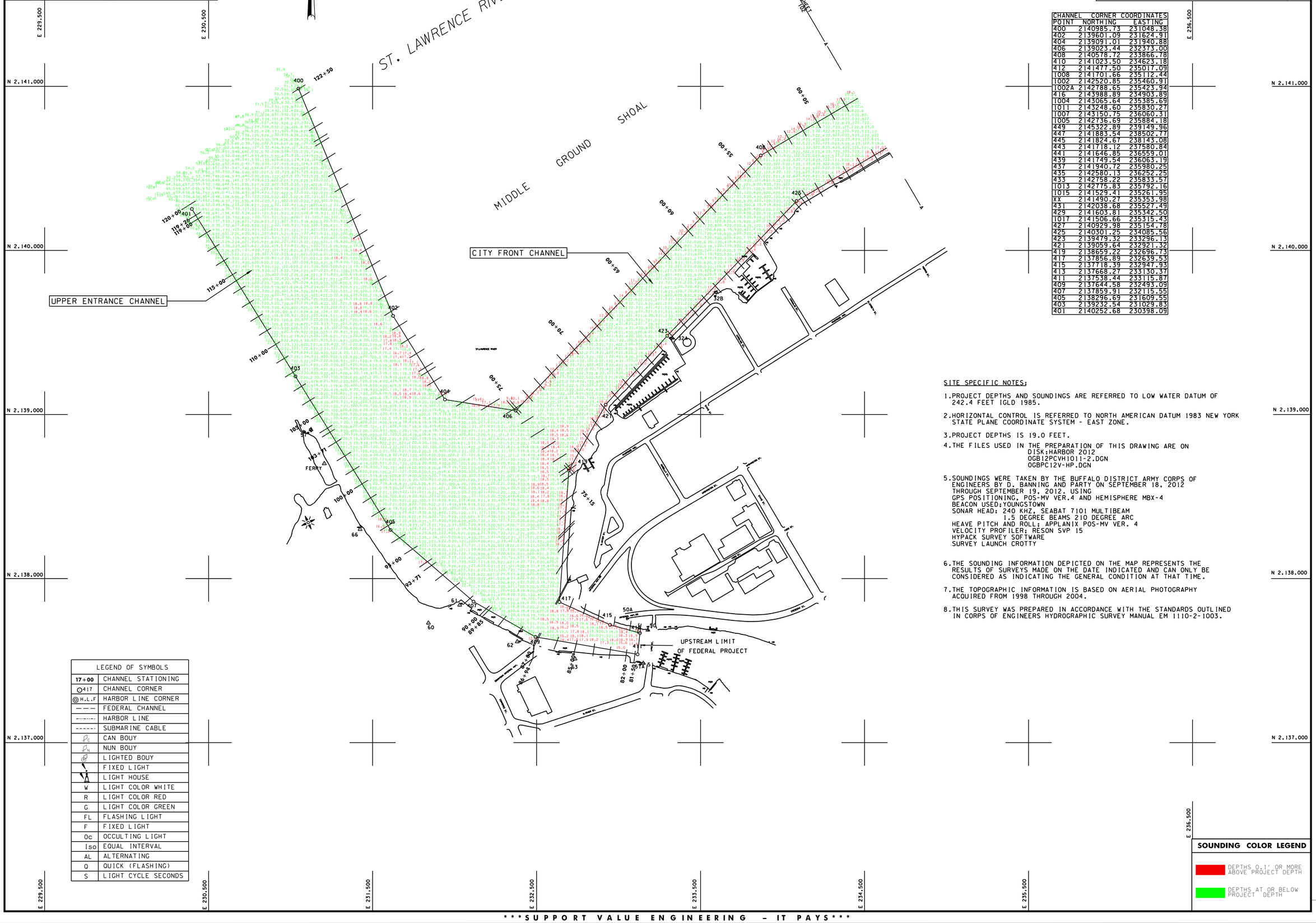

CHANNEL CORNER COORDINATES		
POINT	NORTHING	EASTING
400	2140985.73	231048.38
402	2139601.09	231624.91
404	2139091.01	231940.88
406	2139023.44	232373.00
408	2140578.72	233866.78
410	2141023.50	234623.18
412	2141477.50	235017.09
1008	2141701.66	235112.44
1002	2142520.85	235460.91
1002A	2142788.65	235423.94
416	2143988.89	234903.89
1004	2143065.64	235385.69
1011	2143248.60	235830.27
1007	2143150.75	236060.31
1005	2142736.69	235884.18
449	2145322.89	239149.96
447	2141883.54	238502.77
445	2141824.67	238143.08
443	2141718.12	237580.84
441	2141646.85	236559.01
439	2141749.54	236063.19
437	2141940.72	235980.25
435	2142580.13	236252.25
433	2142758.22	235833.57
1013	2142775.83	235792.16
1015	2141529.41	235261.95
XX	2141490.27	235353.98
431	2142038.68	235527.49
429	2141603.81	235342.50
1017	2141506.66	235315.43
427	2140929.98	235154.78
425	2140301.25	234085.56
423	2139479.32	233296.13
421	2139059.64	232921.32
419	2138659.22	232696.73
417	2137856.89	232639.53
415	2137718.39	232947.93
413	2137668.27	233130.37
411	2137538.44	233115.87
409	2137644.58	232493.09
407	2137859.91	232115.55
405	2138296.69	231609.55
403	2139232.54	231029.83
401	2140252.68	230398.09

SITE SPECIFIC NOTES;

1. PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM OF 242.4 FEET IGLD 1985.
2. HORIZONTAL CONTROL IS REFERRED TO NORTH AMERICAN DATUM 1983 NEW YORK STATE PLANE COORDINATE SYSTEM - EAST ZONE.
3. PROJECT DEPTHS IS 19.0 FEET.
4. THE FILES USED IN THE PREPARATION OF THIS DRAWING ARE ON
   DISK:HARBOR 2012
   OGB12PCVH1011-2.DGN
   OGBPC12V-HP.DGN
5. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. BANNING AND PARTY ON SEPTEMBER 18, 2012 THROUGH SEPTEMBER 19, 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 INDICATING 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.

LEGEND OF SYMBOLS	
17+00	CHANNEL STATIONING
417	CHANNEL CORNER
H.L.F	HARBOR LINE CORNER
	FEDERAL CHANNEL
	HARBOR LINE
	SUBMARINE CABLE
C	CAN BOUY
N	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

SOUNDING COLOR LEGEND

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

US Army Corps of Engineers
Buffalo District

Drawn by: PAN
Checked by: ACK
Reviewed by: Roman H. Figler III PLS
Chief, Survey Section
Approved: Raymond N. Lewis
Chief, NY/PA Navigation and Maintenance Section
Date: October 30, 2012

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

OGDENSBURG HARBOR, N.Y.

PROJECT CONDITION SOUNDINGS 2012

SCALE: 1" = 200'

Sheet reference number:
VH - 101

Sheet **1** of **2**

12S-OGB-1/1

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

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