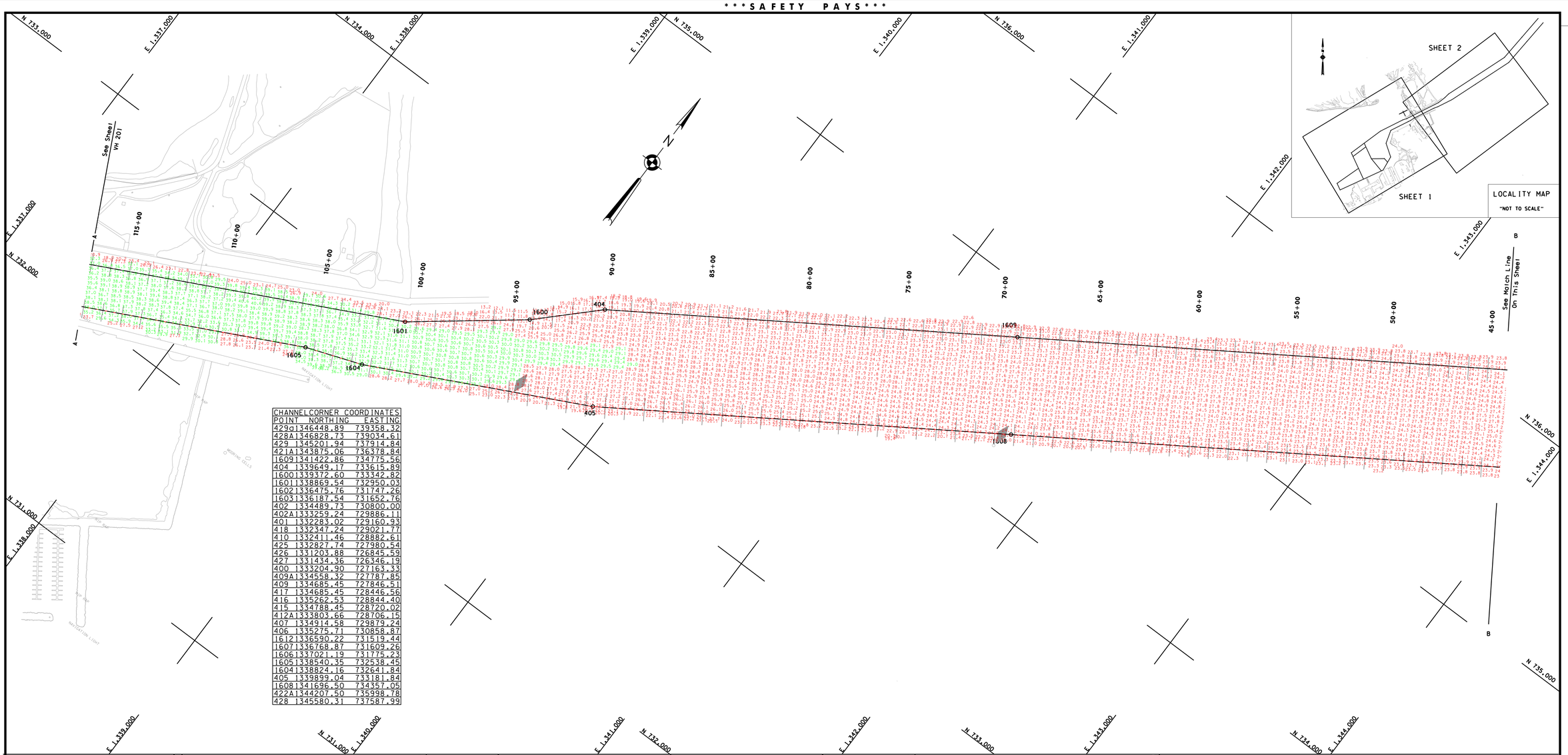
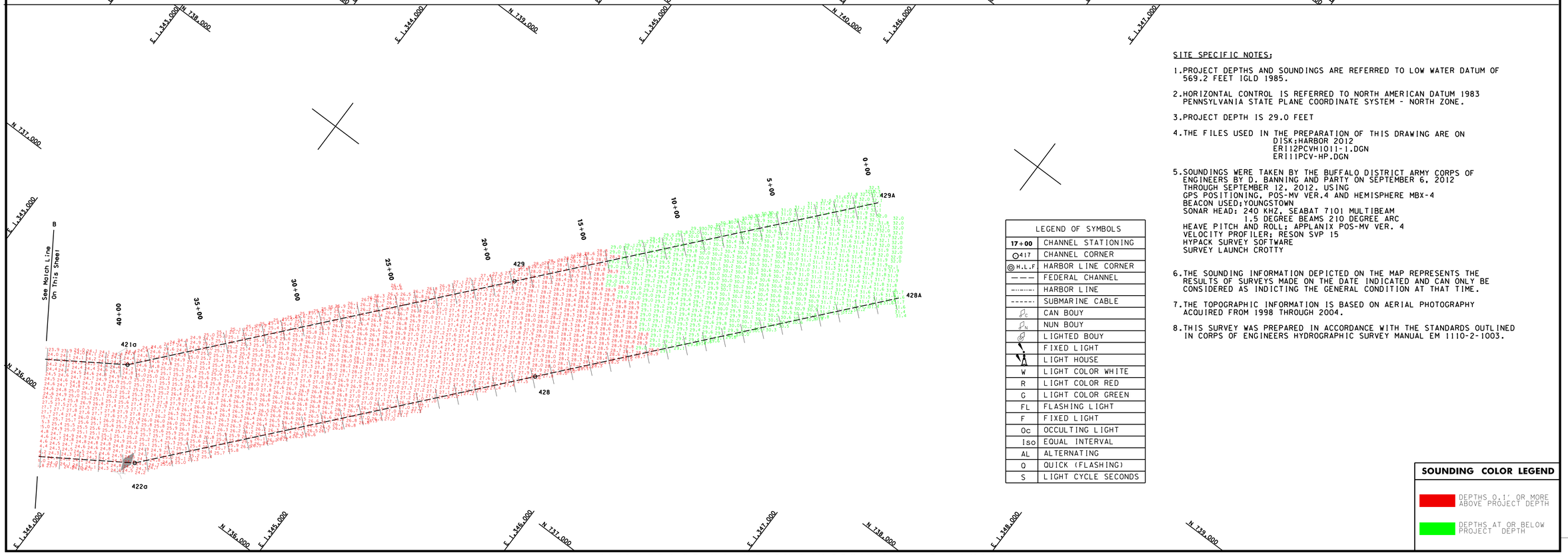


CHANNEL CORNER COORDINATES		
POINT	NORTHING	EASTING
429a	1346448.89	739358.32
428A	1346828.73	739034.61
429	1345201.94	737914.84
421A	1343875.06	736378.84
1609	1341422.86	734775.56
404	1339649.17	733615.89
1600	1339372.60	733342.82
1601	1338869.54	732950.03
1602	1336475.76	731747.26
1603	1336187.54	731652.76
402	1334489.73	730800.00
402A	1333259.24	729886.11
401	1332283.02	729160.93
418	1332347.24	729021.77
410	1332411.46	728882.61
425	1332827.74	727980.54
426	1331203.88	726845.59
427	1331434.36	726346.19
400	1333204.90	727163.33
409A	1334558.32	727787.85
409	1334685.45	727846.51
417	1334685.45	728446.56
416	1335262.53	728844.40
415	1334788.45	728720.02
412A	1333803.66	728706.15
407	1334914.58	729879.24
406	1335275.71	730858.87
1612	1336590.22	731519.44
1607	1336768.87	731609.26
1606	1337021.19	731775.23
1605	1338540.35	732538.45
1604	1338824.16	732641.84
405	1339899.04	733181.84
1608	1341696.50	734357.05
422A	1344207.50	735998.78
428	1345580.31	737587.99



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 PENNSYLVANIA STATE PLANE COORDINATE SYSTEM - NORTH ZONE.
3. PROJECT DEPTH IS 29.0 FEET
4. THE FILES USED IN THE PREPARATION OF THIS DRAWING ARE ON
   DISK:HARBOR 2012
   ER112PCVH1011-1.DGN
   ER111PCV-HP.DGN
5. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. BANNING AND PARTY ON SEPTEMBER 6, 2012 THROUGH SEPTEMBER 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.

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

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.

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

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 1, 2012

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

ERIE HARBOR, PA.

PROJECT CONDITION SOUNDINGS 2012

SCALE: 1" = 200'

SCALE OF FEET 50 0 100 200

Sheet reference number:

VH - 202

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

12S-ERI-2/2