



Table with 2 columns: Description, Value. The table is mostly blank with some faint text.

Table with 2 columns: Description, Value. Includes 'Drawn by: PAN', 'Checked by: ACK', 'Reviewed by: Roman H. Foltz', 'Approved: Raymond N. Lewis', and 'Date: May 7, 2012'.

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

CLEVELAND HARBOR, OHIO
CUYAHOGA RIVER
PROJECT CONDITION SOUNDINGS 2012
SCALE OF FEET: 25.0' = 1.00'

Sheet Reference number:
VH - 105
Sheet 5 of 8
125-CYR-1/5

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	OCULTING LIGHT
ISO	EQUAL INTERVAL
AL	ALTERNATING
S	LIGHT CYCLE SECONDS

CHANNEL CORNER COORDINATES

POINT	NORTHING	EASTING
534	664726.90	2193287.93
536	664127.96	2193361.74
537	664945.14	2192839.45
538	663635.77	2193896.56
539	664752.93	2192975.32
540	663442.11	2193943.37
541	663932.07	2193244.59
542	662924.55	2194198.60
543	663513.48	2193767.26
544	662662.84	2194284.05
545	663447.49	2193815.29
546	662502.88	2194282.06
547	663346.25	2193863.66
549	662680.91	2194080.93
551	662574.91	2194156.83
553	662413.39	2194154.83
555	661816.94	2194269.17

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 OHIO STATE PLANE COORDINATE SYSTEM - NORTH ZONE.
3. PROJECT DEPTH IS 23.0 FEET
4. THE FILES USED IN THE PREPARATION OF THIS DRAWING ARE ON DISK: HARBOR 2012 CYR12PCVH1015-8.DGN CYR12PCV-HP.DGN
5. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. BANNING AND PARTY ON APRIL 12, 2012 THROUGH MAY 3, 2012 USING GPS POSITIONING, POS-MV VER. 4 AND HEMISPHERE MBX-4 BEACON USED; DETROIT 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.

SOUNDING COLOR LEGEND

Red	DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH
Green	DEPTHS AT OR BELOW PROJECT DEPTH