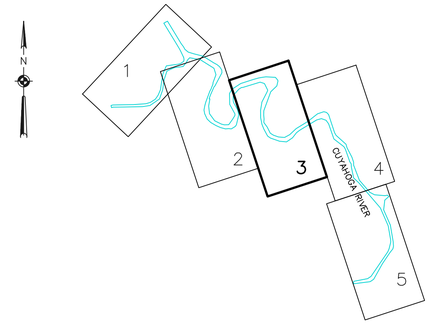


SHEET INDEX
"NOT TO SCALE"

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

LEGEND OF SYMBOLS	
17+00	CHANNEL STATIONING
417	CHANNEL CORNER
H.L.F.	HARBOR LINE CORNER
	FEDERAL CHANNEL
	HARBOR LINE
	SUBMARINE CABLE
c	CAN BUOY
N	NUN BUOY
	LIGHTED BUOY
	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)

SITE SPECIFIC NOTES

1.PROJECT DEPTHS AND SOUNDINGS ARE U.S. SURVEY FEET REFERRED TO LOW WATER DATUM OF 569.2 FEET ABOVE INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD85).

2.HORIZONTAL COORDINATES ARE U.S. SURVEY FEET REFERRED TO NORTH AMERICAN DATUM 1983 (NAD83) OHIO STATE PLANE COORDINATE SYSTEM – NORTH ZONE.

3.PROJECT DEPTH IS AS NOTED BELOW LOW WATER DATUM.

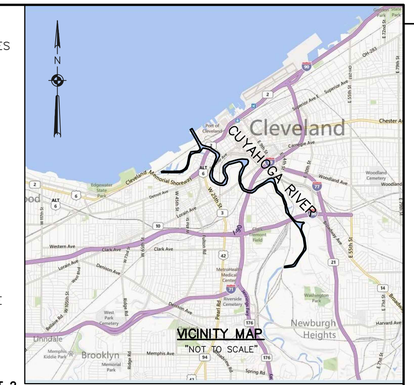
4.THE FILES USED IN THE PREPARATION OF THIS DRAWING ARE: CYR14VH5.DGN

5.SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D.DELL AND PARTY ON APRIL 11, 2014:
GPS POSITIONING, POS-MV VER. 5 AND HEMISPHERE MVX-4 (BEACON DETROIT)
SONAR HEAD: 240 KHZ, SEABAT 7101 MULTIBEAM
1.5 DEGREE BEAMS 210 DEGREE ARC
HEAVE PITCH AND ROLL; APPLANIX POS-MV VER. 5
VELOCITY PROFILER; SONTEK CASTAWAY CTD,
HYPACK SURVEY SOFTWARE
SURVEY VESSEL WITMER

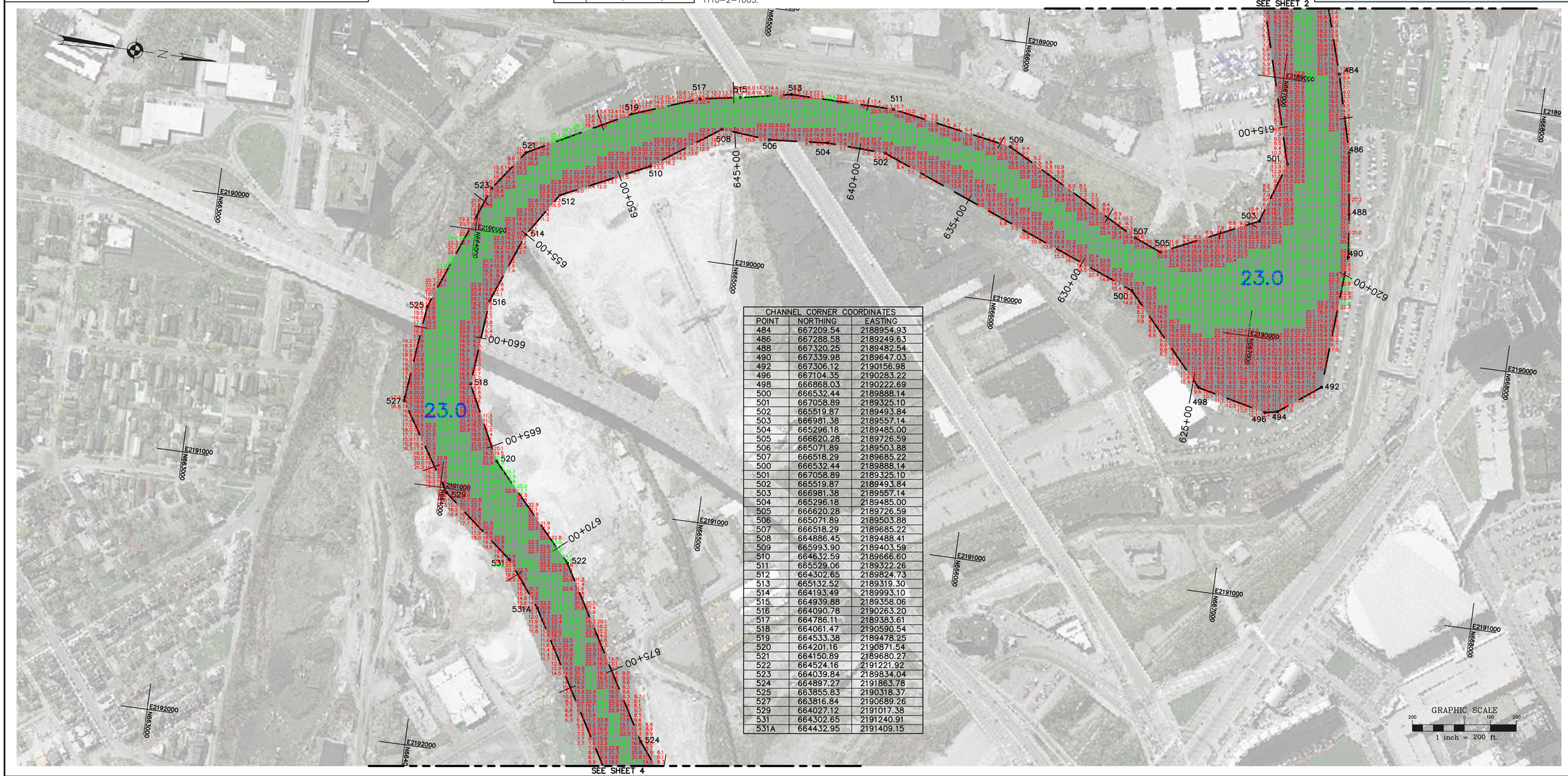
6.THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION AT THAT TIME.

7.THE BACKGROUND IMAGERY SHOWN WAS ACQUIRED FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM.

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



VICINITY MAP
"NOT TO SCALE"



CHANNEL CORNER COORDINATES

POINT	NORTHING	EASTING
484	667209.54	2188954.93
486	667208.58	2189249.63
488	667320.25	2189482.54
490	667339.98	2189647.03
492	667306.12	2190156.98
496	667104.35	2190283.22
498	666868.03	2190222.69
500	666532.44	2189888.14
501	667058.89	2189325.10
502	665519.87	2189493.84
503	666981.38	2189557.14
504	665296.18	2189485.00
505	666620.28	2189726.59
506	665071.89	2189503.88
507	666518.29	2189685.22
500	666532.44	2189888.14
501	667058.89	2189325.10
502	665519.87	2189493.84
503	666981.38	2189557.14
504	665296.18	2189485.00
505	666620.28	2189726.59
506	665071.89	2189503.88
507	666518.29	2189685.22
508	664886.45	2189488.41
509	665993.90	2189403.59
510	664632.59	2189666.60
511	665529.06	2189322.26
512	664302.65	2189824.73
513	665132.52	2189319.30
514	664193.49	2189993.10
515	664939.88	2189358.06
516	664090.78	2190263.20
517	664786.11	2189383.61
518	664061.47	2190590.54
519	664533.38	2189478.25
520	664201.16	2190871.54
521	664150.89	2189680.27
522	664524.16	2191221.92
523	664039.84	2189834.04
524	664897.27	2191863.78
525	663855.83	2190318.37
527	663816.84	2190689.26
529	664027.12	2191017.38
531	664302.65	2191240.91
531A	664432.95	2191409.15

US Army Corps of Engineers
Buffalo District

Original sheet size = ANSI D

** COPY OF SIGNED ORIGINAL **

Drawn by: ACK
Checked by: KPL
Reviewed by: Ronan H. Figler III PLS
Chief, Survey Section
Approved: Edward F. Gawarecki
Date: APRIL 18, 2014
Chief, NY-PA, O & M Office

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

To download an electronic version of this map, point a web browser to http://www.lrb.usace.army.mil/WebWorks/NetworkMgmt/survey/survey.html

CLEVELAND, OHIO
CUYAHOGA RIVER
PROJECT CONDITION SOUNDINGS 2014
SCALE: 1" = 200'

Sheet reference number
VH-103
Sheet 3 of 5

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