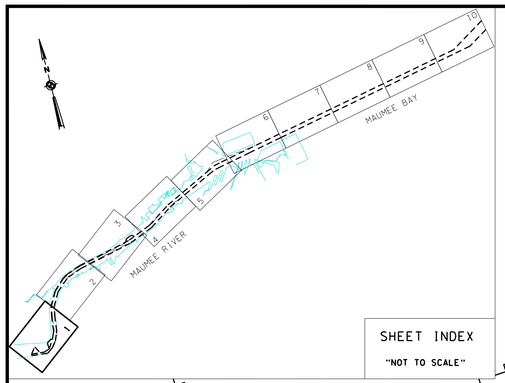
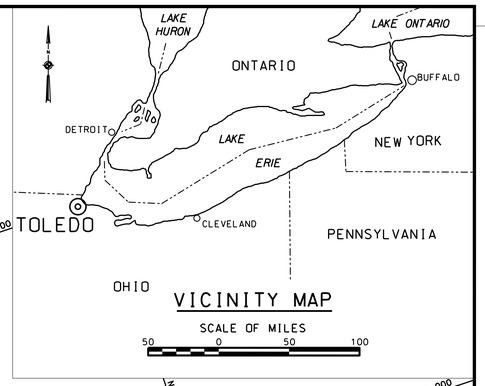


SHEET INDEX

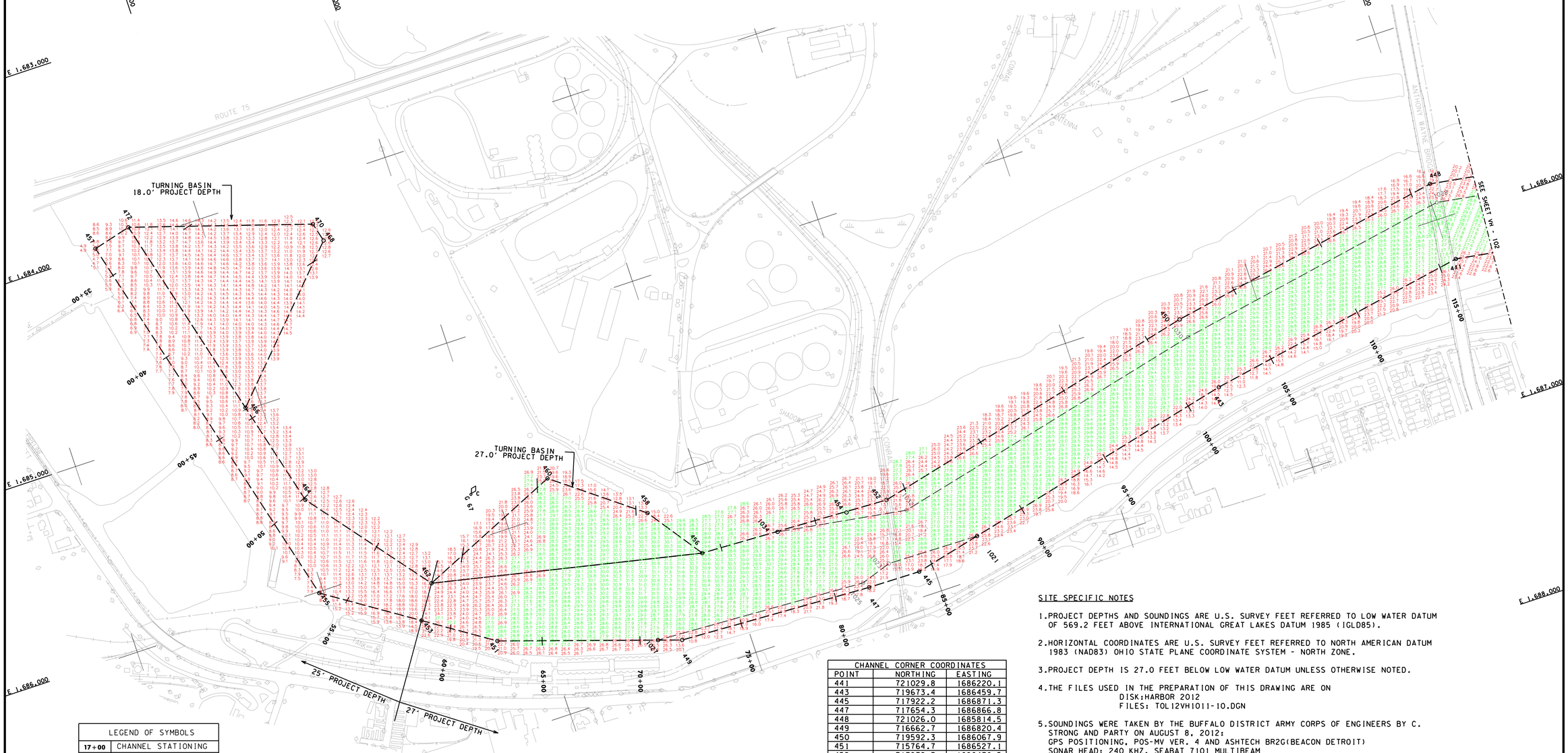
"NOT TO SCALE"



VICINITY MAP

SCALE OF MILES

50 0 50 100



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
O	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

CHANNEL CORNER COORDINATES

POINT	NORTHING	EASTING
441	721029.8	1686220.1
443	719673.4	1686459.7
445	717922.2	1686871.3
447	717654.3	1686866.8
448	721026.0	1685814.5
449	716662.7	1686820.4
450	719592.3	1686067.9
451	715764.7	1686527.1
452	717879.3	1686470.5
453	715429.4	1686305.5
454	717665.1	1686466.9
455	714977.7	1686006.8
456	716900.1	1686431.0
457	714448.9	1683974.9
458	716699.2	1686148.5
460	716269.9	1685818.9
462	715538.4	1686140.4
464	715060.8	1685532.2
466	714919.4	1684988.9
468	715567.8	1684303.5
470	715542.6	1684206.8
472	714642.6	1683924.5
1021	718260.3	1686791.8
1023	717787.9	1686783.4
1025	717631.9	1686835.1
1027	716544.7	1686781.8
1028	721028.5	1685915.7
1030	719604.9	1686167.2
1032	717959.9	1686552.5
1034	717299.5	1686449.8

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 27.0 FEET BELOW LOW WATER DATUM UNLESS OTHERWISE NOTED.

4. THE FILES USED IN THE PREPARATION OF THIS DRAWING ARE ON
   DISK:HARBOR 2012
   FILES: TOL12VH1011-10.DGN

5. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY C. STRONG AND PARTY ON AUGUST 8, 2012:
   GPS POSITIONING, POS-MV VER. 4 AND ASHTECH BR2G(BEACON 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: INNERSPACE 443A,
   HYPACK SURVEY SOFTWARE
   TOLEDO SURVEY LAUNCH

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 SHOWN 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

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: AGK
Reviewed by: Roman H. Figlar III PLS
Chief, Survey Section
Approved: Raymond N. Lewis
Chief, NY/PA Navigation and Maintenance Section
Date: SEPTEMBER 6, 2012

** COPY OF SIGNED ORIGINAL **

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

TOLEDO HARBOR, OHIO
RIVER SECTIONS

PROJECT CONDITION SOUNDINGS 2012

SCALE: 1" = 200'

SCALE IN FEET 50 0 100 200

Sheet reference number:

VH - 101

Sheet **1** of **10**

To view a color version of this map, point a web browser to https://www.lrb.usace.army.mil/Navigation/WaterMgmt/survey/survey.html

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