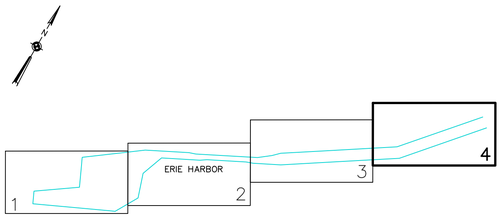


SHEET INDEX
"NOT TO SCALE"

SOUNDING COLOR LEGEND

	DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH
	DEPTHS AT OR BELOW PROJECT DEPTH
23.0	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) PENNSYLVANIA STATE PLANE COORDINATE SYSTEM – NORTH ZONE.

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

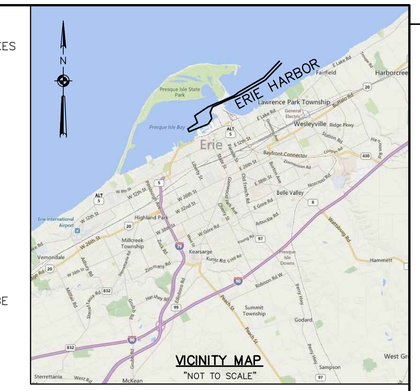
4.THE FILES USED IN THE PREPARATION OF THIS DRAWING ARE: ERI14VH4.DGN

5.SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D.BANNING AND PARTY ON JULY 9 THRU 15, 2014:
GPS POSITIONING, POS–MV VER. 5 W/ RTK TIDES
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"

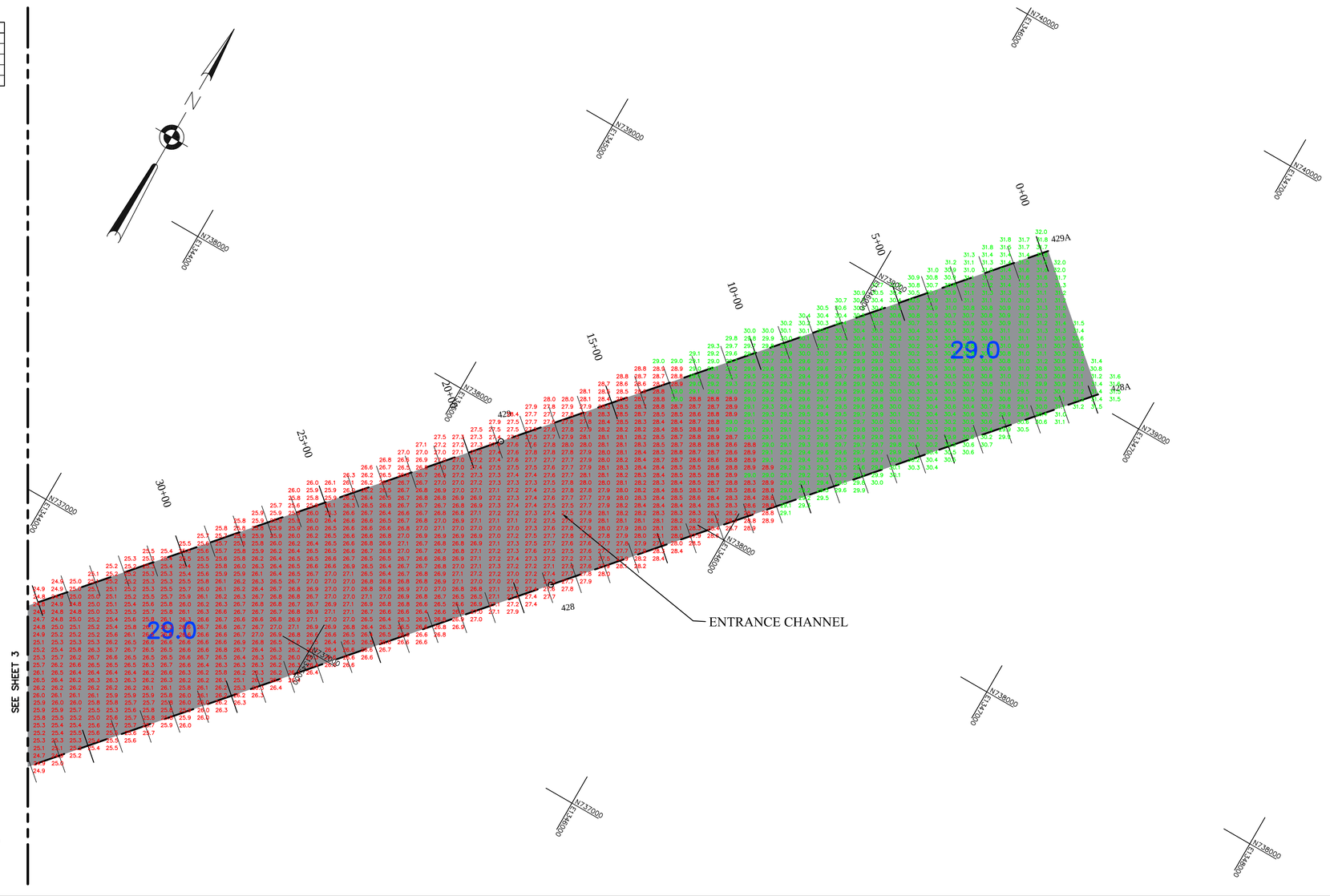
6.THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION AT THAT TIME.

7.THE BACKGROUND IMAGERY SHOWN WAS ACQUIRED FROM THE PENNSYLVANNIA GEOSPATIAL DATA CLEARINGHOUSE.

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



CHANNEL CORNER COORDINATES		
POINT	NORTHING	EASTING
428	737587.99	1345580.31
428A	739034.61	1346828.73
429	737914.84	1345201.94
429A	739358.32	1346448.89



GRAPHIC SCALE
200 0 100 200
1 inch = 200 ft.

US Army Corps of Engineers
Buffalo District

Original sheet size = ANSI D

** COPY OF SIGNED ORIGINAL **

Drawn by: ACK
Checked by: KPL
Reviewed by: Roman H. Figler III PLS
Chief, Survey Section
Approved: Edward F. Gawarecki
Date: April 10, 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/RivsNHarb/NaterMgmt/Survey/Survey.html

ERIE, PENNSYLVANIA
ERIE HARBOR
PROJECT CONDITION SOUNDINGS 2014
SCALE: 1" = 200'

Sheet reference number
VH–104
Sheet 4 of 4

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