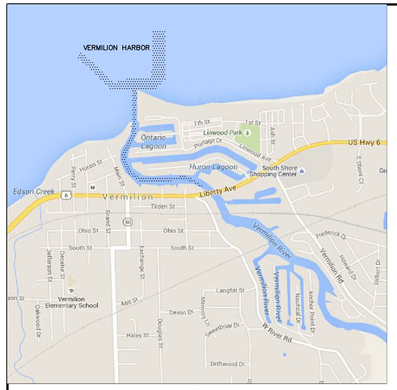


VICINITY MAP
"NOT TO SCALE"

## SOUNDING COLOR LEGEND

| | |
|---|---|
| | DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH |
| | DEPTHS AT OR BELOW PROJECT DEPTH |
| XX.X | PROJECT DEPTH |

## LEGEND OF SYMBOLS

| | |
|---|---|
| 17+00 (NEW), 17+00 (OLD) | 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) |
| S | LIGHT CYCLE SECONDS |

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 1983/2011 OHIO STATE PLANE COORDINATE SYSTEM–NORTH ZONE.
3. PROJECT DEPTH IS AS NOTED BELOW LOW WATER DATUM.
4. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY C. STRONG AND PARTY ON MAY 21 THRU JUNE 4, 2020 USING:
   GPS POSITIONING: RTK BASE STATION W/RTK TIDES
   SONAR HEAD: 200/24 KHZ, ODOM ECHOTRACK MKIII
   3 DEGREE TRANSDUCER
   VELOCITY PROFILER; SONTEK CASTAWAY
   HYPACK SURVEY SOFTWARE
   SURVEY LAUNCH "LOWE"
5. 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.
6. THE TOPOGRAPHIC BACKGROUND IMAGERY SHOWN WAS ACQUIRED FROM ARCMAP 10.4 AND IS SHOWN FOR INFORMATION PURPOSES ONLY.
7. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110–2–1003.

CHANNEL CORNERS COORDINATES

| POINT | NORTHING | EASTING |
|---|---|---|
| 422A | 642763.32 | 2004654.78 |
| 423A | 642657.44 | 2004548.85 |
| 425A | 641906.30 | 2005299.66 |
| 424 | 642056.24 | 2005361.86 |
| 426 | 642057.30 | 2005380.23 |
| 428A | 642130.13 | 2005628.12 |
| 428 | 642156.17 | 2005716.50 |
| 427A | 641907.33 | 2005628.02 |
| 427 | 641906.16 | 2005752.08 |
| 440 | 641881.15 | 2005776.28 |
| 439 | 641881.51 | 2005876.34 |
| 437 | 641906.11 | 2005901.59 |
| 430A | 642156.01 | 2006219.88 |
| 435A | 641905.99 | 2006312.30 |
| 433A | 641912.38 | 2006518.69 |
| 432A | 643199.20 | 2006251.75 |
| 431A | 643200.17 | 2006551.91 |
| 441 | 640904.73 | 2005846.51 |
| 442 | 640925.61 | 2005747.10 |
| 444 | 640735.53 | 2005670.41 |
| 443 | 640692.87 | 2005761.03 |
| 446 | 640534.57 | 2005561.57 |
| 445 | 640492.43 | 2005652.47 |
| 447 | 640397.21 | 2005615.33 |
| 448 | 640412.36 | 2005513.89 |
| 450 | 640250.62 | 2005526.15 |
| 449 | 640269.89 | 2005625.01 |
| 451 | 640096.71 | 2005713.04 |
| 452 | 640038.54 | 2005630.19 |
| 454 | 639935.05 | 2005730.17 |
| 453 | 640015.38 | 2005791.60 |
| 456 | 639814.85 | 2005948.61 |
| 455 | 639915.45 | 2005974.18 |
| 458 | 639836.79 | 2006925.10 |
| 457 | 639936.77 | 2006922.86 |
| 459 | 639904.97 | 2007041.41 |
| 460 | 639834.52 | 2007003.51 |
| 462 | 639765.36 | 2007131.98 |
| 461 | 639832.02 | 2007176.93 |
| 464 | 639660.85 | 2007257.97 |
| 463 | 639679.43 | 2007360.86 |

US Army Corps of Engineers Buffalo District

Original sheet size = ANSI D

** COPY OF SIGNED ORIGINAL **

Drawn by: KPL
Checked by: ACK
Reviewed by: Roman H. Figler III PLS
Chief, Survey Section
Approved by: Adam W. Hamm
Chief, NY/PA Navigation and Maintenance Section

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

VERMILION HARBOR, OH

PROJECT CONDITIONS SOUNDINGS 2020

SCALE: 1"=200'

Sheet reference number
VH–101

Sheet 1 of 1



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