

SOUNDING COLOR LEGEND

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

LEGEND OF SYMBOLS

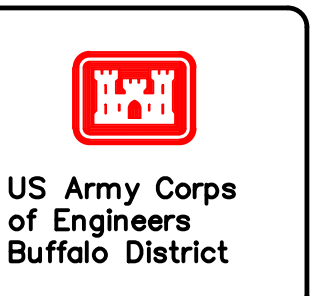
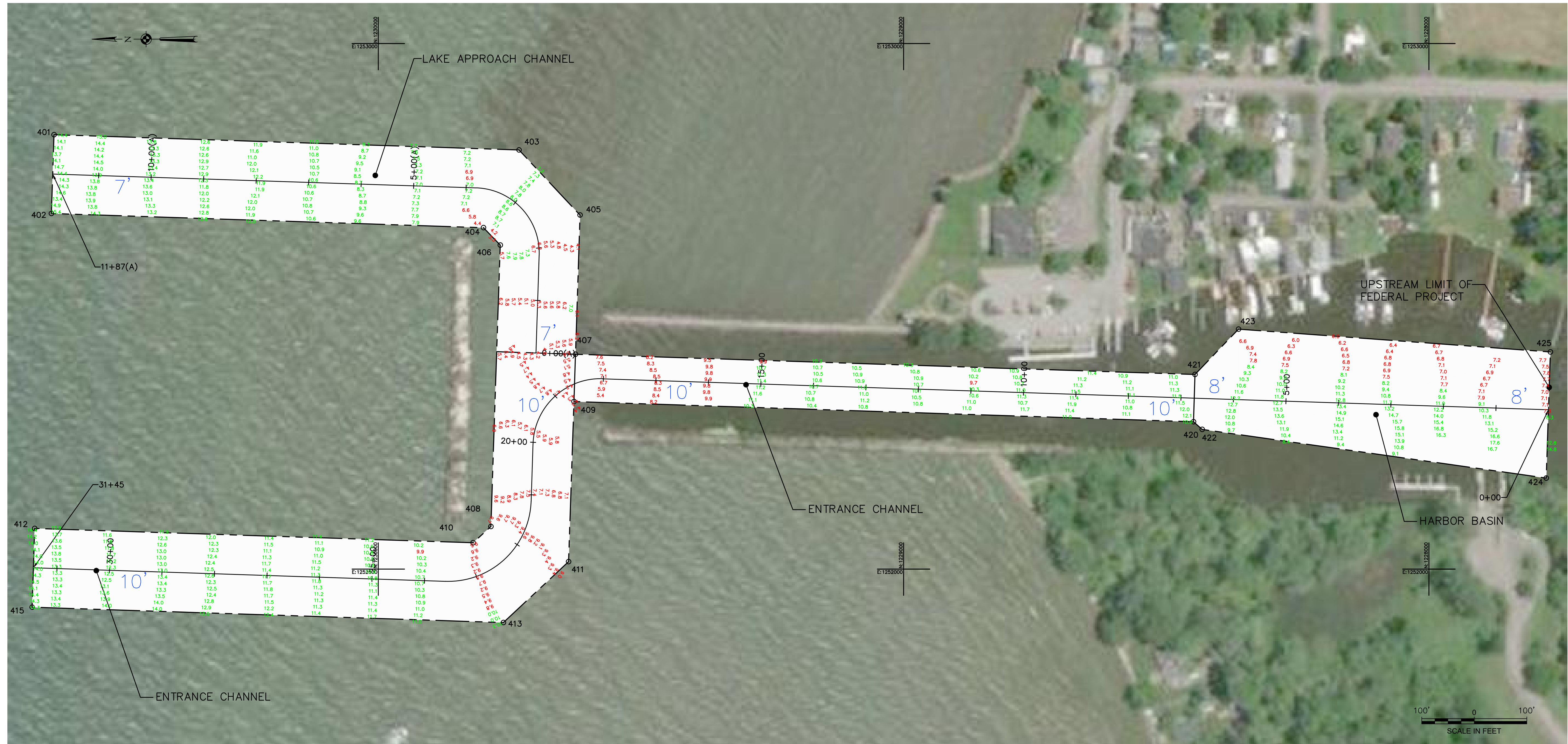
17+00	CHANNEL STATIONING
○ 417	CHANNEL CORNER
⊙ H.L.F.	HARBOR LINE CORNER
---	FEDERAL CHANNEL
---	HARBOR LINE
---	SUBMARINE CABLE
⊙	CAN BUOY
⊙	NUN BUOY
⊙	LIGHTED BUOY
⊙	FIXED LIGHT
⊙	LIGHT HOUSE
W	LIGHT COLOR WHITE
R	LIGHT COLOR RED
G	LIGHT COLOR GREEN
FL	FLASHING LIGHT
F	FIXED LIGHT
Oc	OCCULTING LIGHT
Iso	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

SITE SPECIFIC NOTES:

- PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM OF 243.3 FEET IGLD 1985.
- HORIZONTAL CONTROL IS REFERRED TO NORTH AMERICAN DATUM 1983 NEW YORK STATE PLANE COORDINATE SYSTEM-WEST ZONE.
- PROJECT DEPTH IS AS NOTED BELOW LOW WATER DATUM.
- SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. DELL AND PARTY ON JULY 16, 2019 USING:
GPS POSITIONING: RTK BASE STATION W/RTK TIDES
SONAR HEAD: 200 KHZ, ODOM ECHOTRACK MKIII
3 DEGREE TRANSDUCER
VELOCITY PROFILER: SONTEK CASTAWAY
HYPACK SURVEY SOFTWARE
SURVEY LAUNCH "SMOKERCRAFT"
- 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.
- THE TOPOGRAPHIC INFORMATION IS BASED ON AERIAL PHOTOGRAPHY ACQUIRED FROM 1998 THROUGH 2004.
- 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
401	1230639.54	1252827.29
402	1230644.50	1252677.40
412	1230668.22	1252077.90
415	1230668.22	1251927.80
403	1229732.17	1252797.52
405	1229616.01	1252673.64
407	1229625.59	1252408.84
421	1228445.32	1252370.33
423	1228362.53	1252456.63
425	1227768.81	1252413.29
424	1227776.68	1252173.29
422	1228431.69	1252265.86
420	1228448.21	1252280.41
409	1229827.53	1252318.89
411	1229637.81	1252017.25
413	1229761.84	1251898.32
410	1229819.71	1252050.17
408	1229784.90	1252081.82
406	1229767.89	1252616.60
404	1229799.85	1252649.65



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Approved by: Adam W. Hamm
Date: July 23, 2019
Chief, NY/PA Navigation and Maintenance Section
To download an electronic version of this map, point to a web browser to <http://www.usace.army.mil/Library/MapandChart.aspx>

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

OAK ORCHARD HARBOR, NY
PROJECT CONDITIONS SOUNDINGS 2019
SCALE: 1" = 100'

Sheet reference number
VH-101
Sheet 1 of 1