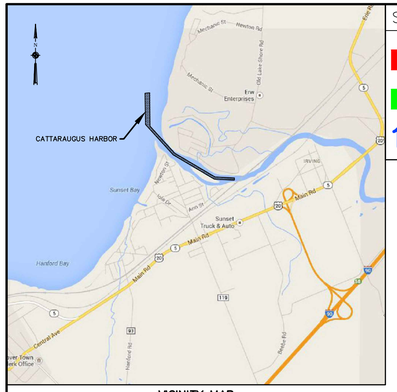


VICINITY MAP
"NOT TO SCALE"

SOUNDING COLOR LEGEND

	DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH
	DEPTHS AT OR BELOW PROJECT DEPTH
18.0	PROJECT DEPTH

LEGEND OF SYMBOLS

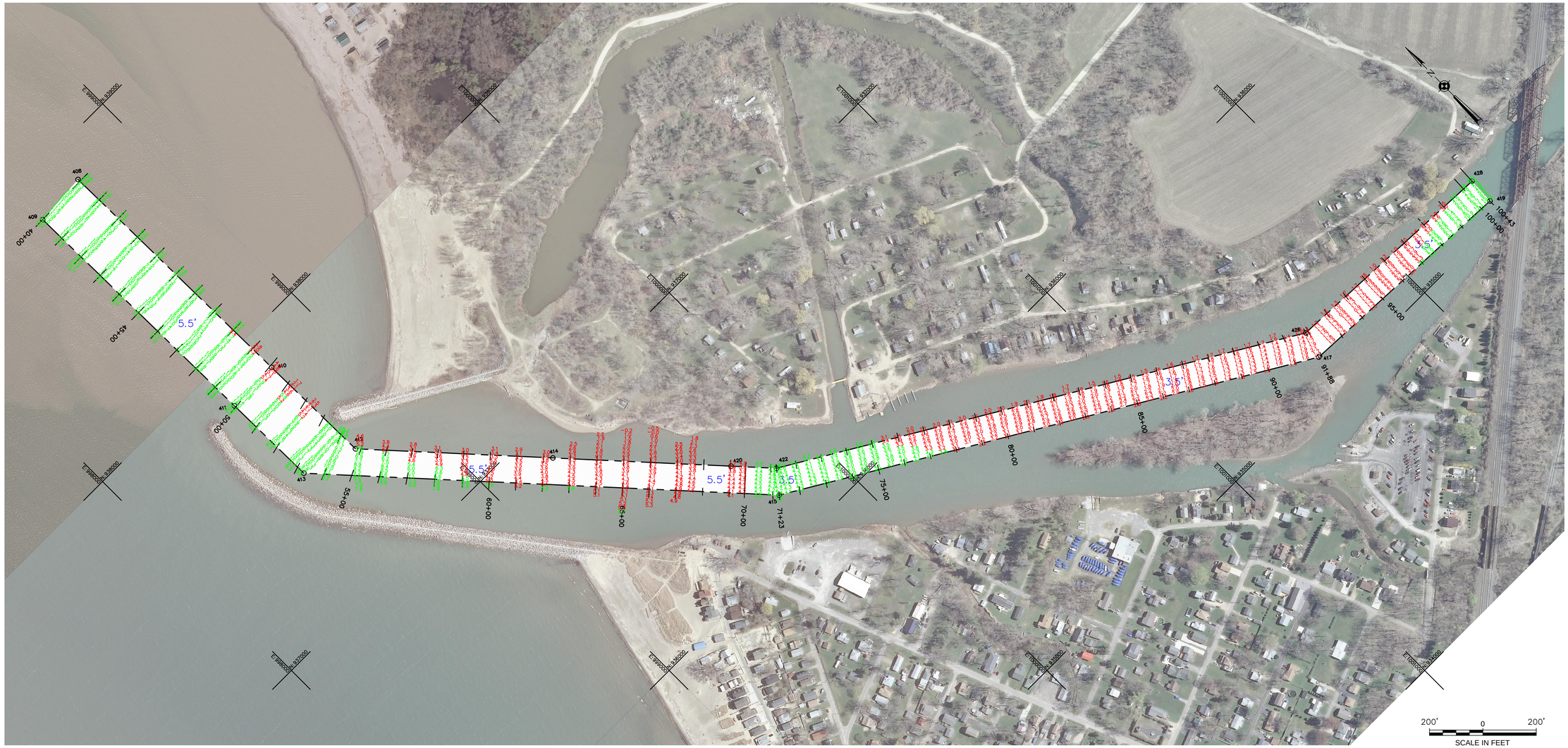
17+00	CHANNEL STATIONING
⊙ 417	CHANNEL CORNER
◎ H.L.F.	HARBOR LINE CORNER
	FEDERAL CHANNEL
	HARBOR LINE
	SUBMARINE CABLE
C	CAN BUOY
N	NUN BUOY
	LIGHTED BUOY
	FIXED LIGHT
	LIGHT HOUSE
W	LIGHT COLOR WHITE
R	LIGHT COLOR RED
G	LIGHT COLOR GREEN
FL	FLASHING LIGHT
F	FIXED LIGHT
Oc	OCCULTING LIGHT
Iso	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
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 NEW YORK STATE PLANE COORDINATE SYSTEM–WEST ZONE.
3. PROJECT DEPTH IS AS NOTED BELOW LOW WATER DATUM.
4. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. DELL AND PARTY ON JULY 15, 2014 THROUGH JULY 22, 2014 USING:
   CORRECTIONS USED: RTK GPS BASE STATION
   SONAR HEAD: 200/24 KHZ, ODOM ECHOTRACK MKIII
   3 DEGREE
   VELOCITY PROFILER: SONTEK CASTAWAY
   HYPACK SURVEY SOFTWARE
   SURVEY LAUNCH: JET BOAT
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. AERIAL IMAGERY WAS OBTAINED THROUGH THE NEW YORK STATE GIS CLEARINGHOUSE.
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
411	937851.73	998549.72
413	937489.35	998555.11
415	936172.52	999755.55
417	935109.71	1001546.27
419	935069.64	1002415.81
428	935169.54	1002420.43
426	935208.45	1001578.80
422	936250.93	999819.40
420	936376.56	999704.87
418	936599.33	999664.16
416	936760.97	999516.80
414	936870.31	999254.75
412	937417.18	998756.21
410	937854.71	998749.70



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: Edward F. Gawarecki
Date: July 24, 2014
Chief, NY/PA Navigation and Maintenance Section

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/Library/AppendixCharts.aspx

CATTARAUGUS HARBOR, NY

PROJECT CONDITIONS SOUNDINGS 2014

SCALE: 1"=200'

Sheet reference number
VH–101
Sheet 1 of 1

S:\NY–Cattaraugus\Drawing Files (Civil)\2014\Cattaraugus 2014.dwg