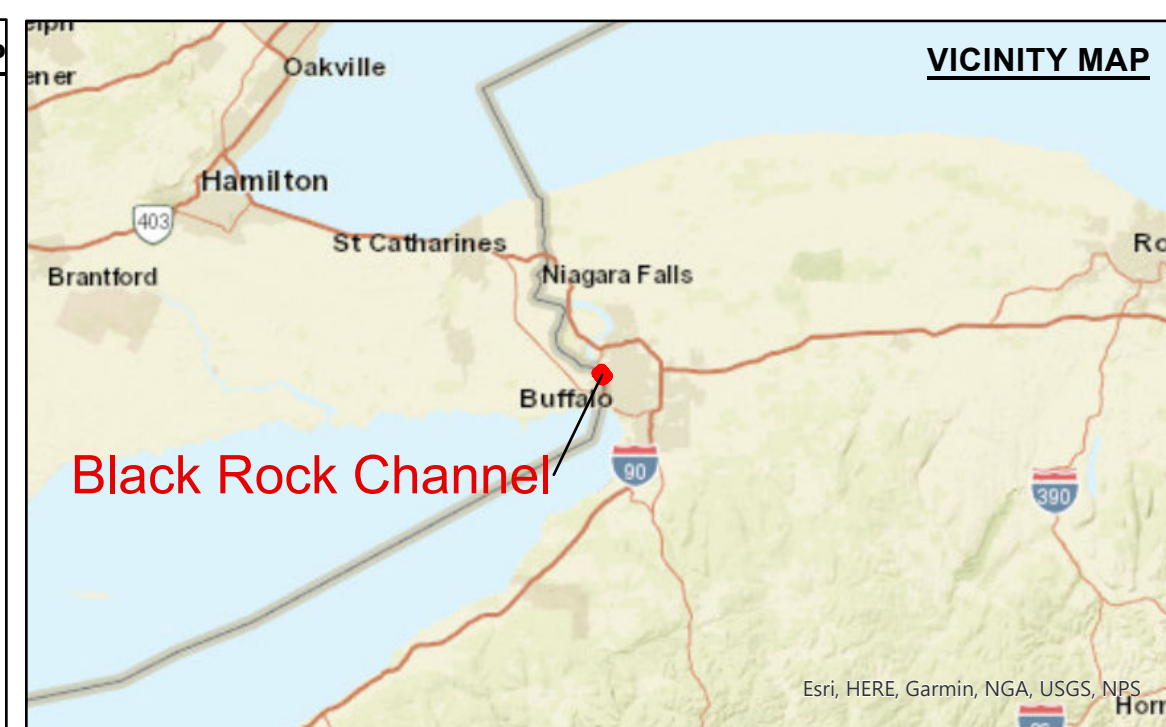
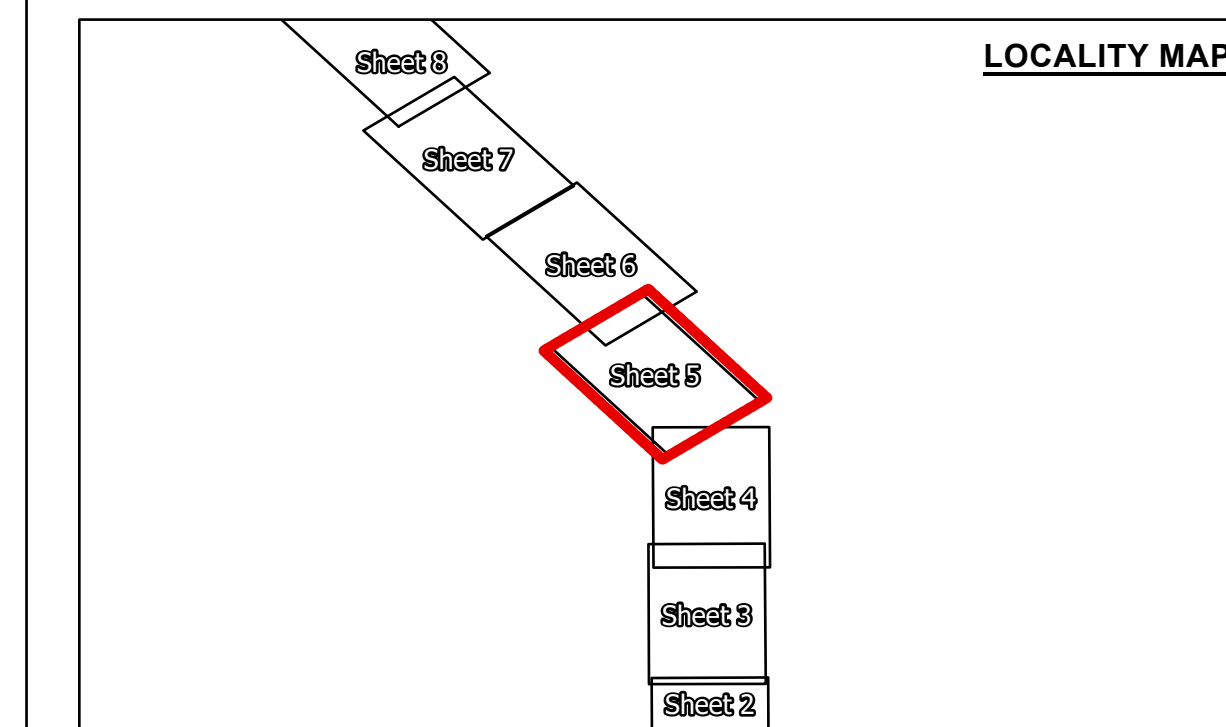




<u>LEGEND</u>			
---	FEDERAL NAVIGATION CHANNEL	○	CHANNEL CORNER POINTS
.....	CABLE SUBMARINE	♦	RED NAVIGATION BUOY
- - -	CABLE OVERHEAD	♦	GREEN NAVIGATION BUOY
	CABLE AREA		FIXED LIGHT
	PLACEMENT AREA	XX	DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH
	ANCHORAGE AREA	XX	DEPTHS AT OR BELOW PROJECT DEPTH
X-XX	CHANNEL STATIONING		
XX.X	PROJECT DEPTH		

<u>ABBREVIATIONS</u>	
W	LIGHT COLOR WHITE
R	LIGHT COLOR RED
G	LIGHT COLOR GREEN
FL	FLASHING LIGHT
F	FIXED LIGHT
OC	OCCULATING LIGHT
ISO	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

1. PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO IGLD85 LOW WATER DATUM STEP AS SHOWN ON MAP

2. HORIZONTAL CONTROL IS REFERRED TO NORTH-AMERICAN DATUM 1983/2011 NEW YORK STATE PLANE COORDINATE SYSTEM - WEST ZONE

3. PROJECT DEPTH IS AS SHOWN BELOW LOW WATER DATUM

4. 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.

5. AERIAL IMAGERY DATED 2018 - 2021

6. BACKGROUND IMAGERY PROVIDED BY: ESRI, NAVAL, GEOEYE, EARTHSTAR GEOGRAPHICS, SCIENCE/ARBUS DS, USDA, USGS, AERGRID, INC. AND THE GIS USER COMMUNITY

7. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS SET FORTH IN THE CORPS OF ENGINEERS' BACKGROUNDED SURVEY MANUAL EM 1110-2-1003.

8. SOUNDINGS SHOWN REPRESENT THE SHOALEST SOUNDING FROM A 2X25 HYPAACK MATRIX

SURVEY TYPE: CONDITION SURVEY

SURVEY DATE: JULY 28 2026

<https://navigation.usace.army.mil/Survey/Hydro> This chart was produced to co

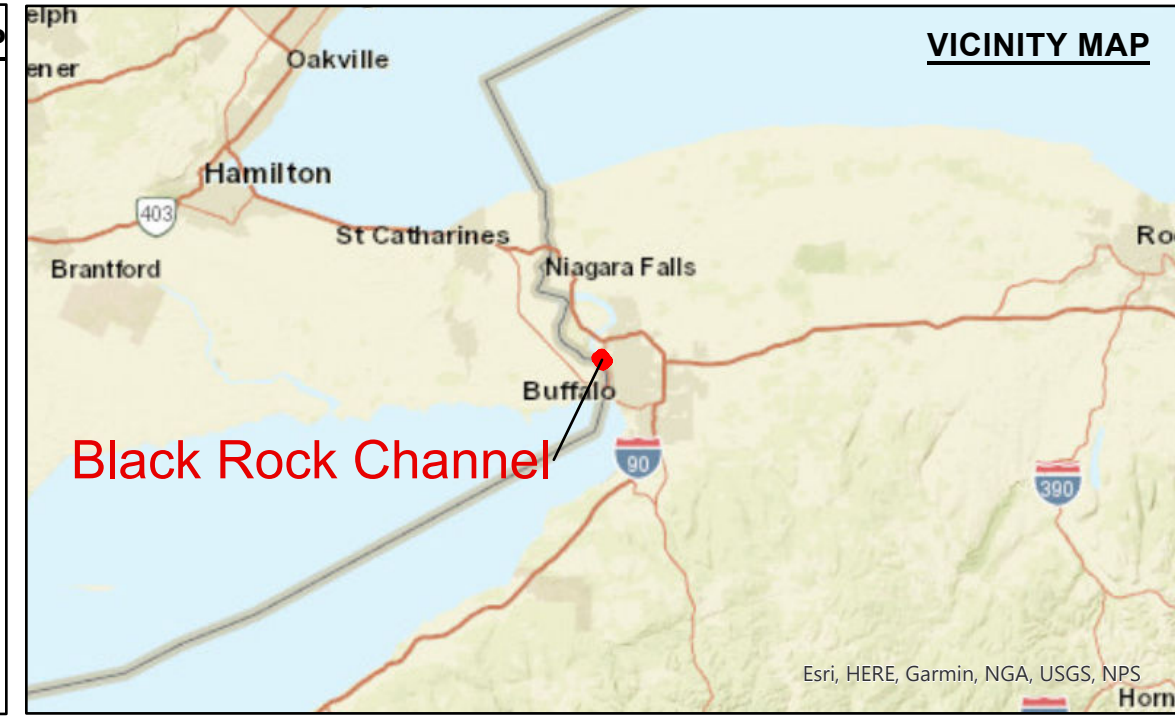
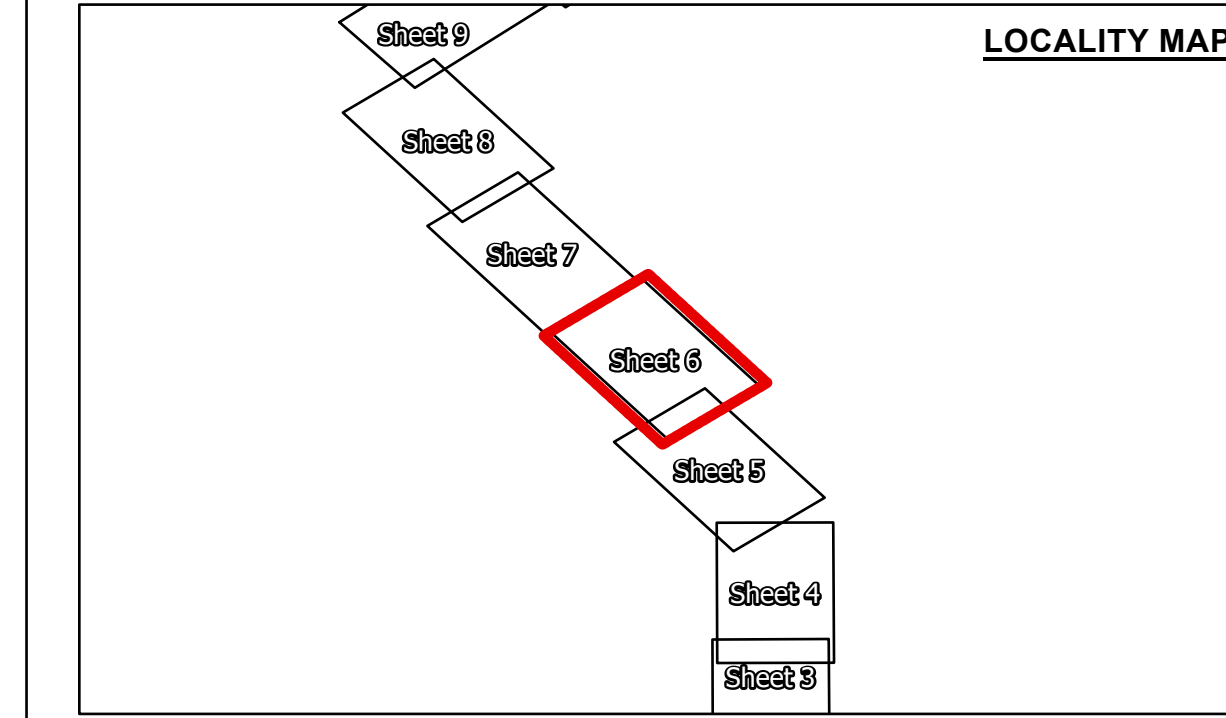
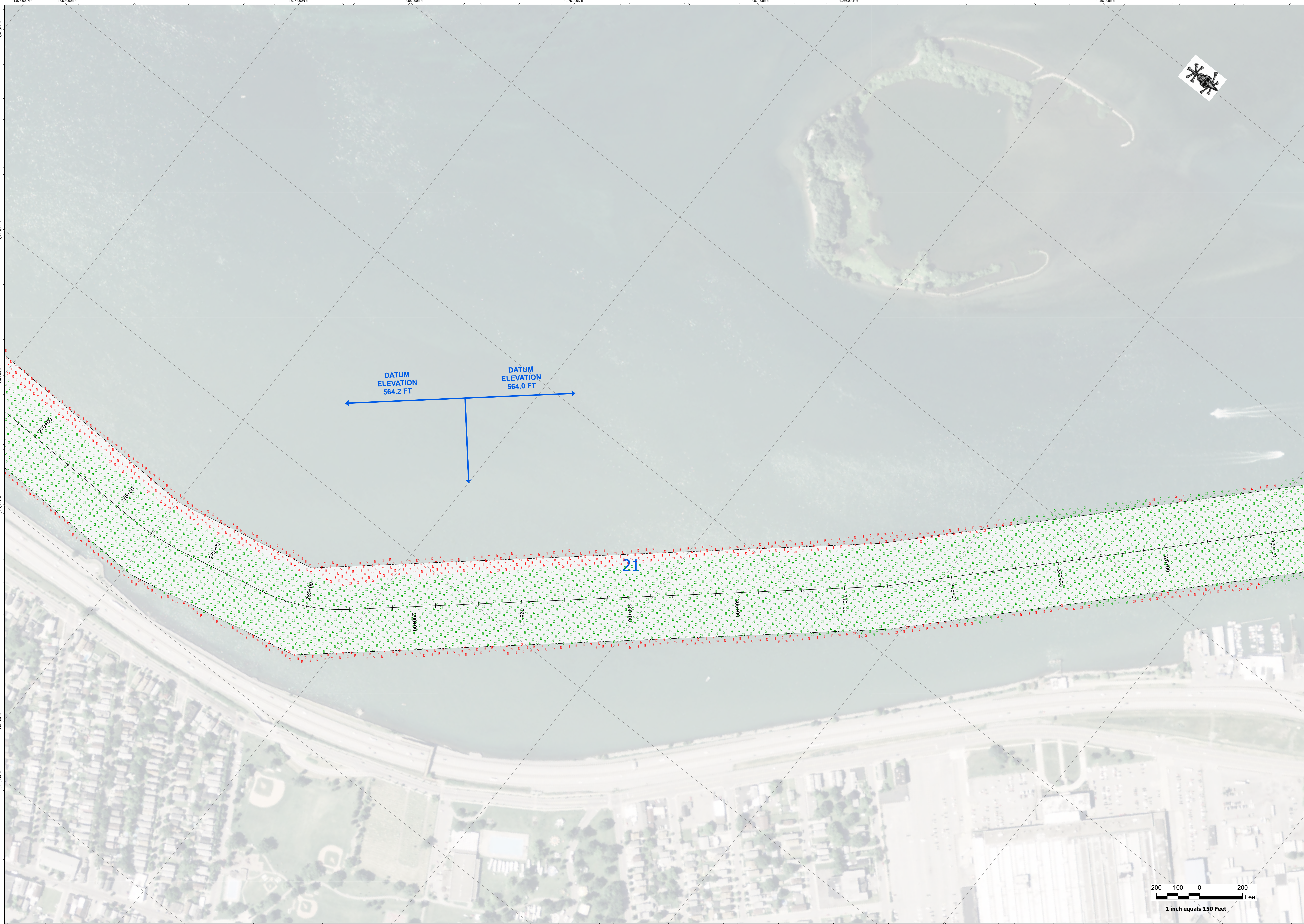
FOR NOFORN:

SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. HERBERT AND PARTIAL
USING: GPS POSITIONING: GPS BASE STATION WITH RTK TIDES
SONAR HEAD: 200 KHZ, RESON T50 1.0 DEGREE BEAMS 150 DEGREE ARC
HEAVE PITCH AND ROLL: APPLANIX POS-MV VER. 5
VELOCITY PROFILER: SONTEK CASTAWAY CTD
HYDPACK SURVEY SOFTWARE
SURVEY VESSEL: MONSON

omply with USACE Daily Tasking Order 16-02-22.

[illegible]

DOCUMENT PATH: C:\OPERATIONS\HYDRO_5\WORKING\PRODUCTS\IMXD\BLACK_ROCK_CHANNEL\B_08_BRC_20260728_CS_2210441.APRX



LEGEND	
---	FEDERAL NAVIGATION CHANNEL
.....	CABLE SUBMARINE
- - -	CABLE OVERHEAD
[Hatched Box]	CABLE AREA
[Box]	PLACEMENT AREA
[Dashed Box]	ANCHORAGE AREA
X+XX	CHANNEL STATIONING
XXX	PROJECT DEPTH
○	CHANNEL CORNER POINTS
◆	RED NAVIGATION BUOY
◇	GREEN NAVIGATION BUOY
⚓	FIXED LIGHT
XX	DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH
XX	DEPTHS AT OR BELOW PROJECT DEPTH

ABBREVIATIONS	
W	LIGHT COLOR WHITE
R	LIGHT COLOR RED
G	LIGHT COLOR GREEN
FL	FLASHING LIGHT
F	FIXED LIGHT
OC	OCCULATING LIGHT
ISO	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

1. PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO IGLD85 LOW WATER DATUM STEP AS SHOWN ON MAP
2. HORIZONTAL CONTROL IS REFERRED TO NORTH AMERICAN DATUM 1983/2011 NEW YORK STATE PLANE COORDINATE SYSTEM - WEST ZONE
3. PROJECT DEPTH IS AS SHOWN BELOW LOW WATER DATUM
4. 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.
5. AERIAL IMAGERY DATED 2019 - 2021
6. BACKGROUND IMAGERY DATA SOURCE: ESRI, MAXAR, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGRIID, IGN, AND THE GIS USER COMMUNITY
7. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OUTLINE IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110-2-1003.
8. SOUNDINGS SHOWN REPRESENT THE SHOALEST SOUNDING FROM A 25X25 HYPACK MATRIX

SURVEY TYPE: CONDITION SURVEY
SURVEY DATE: JULY 28 2026

SITE SPECIFIC NOTES:

SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. HERBERT AND PARTY
USING: GPS POSITIONING- GPS BASE STATION WITH RTK TIDES
SONAR HEAD: 200 KHZ, RESON T50 1.0 DEGREE BEAMS 150 DEGREE ARC
HEAVE PITCH AND ROLL: APPLANIX POS-MV VER. 5
VELOCITY PROFILER: SONTEK CASTAWAY CTD
HYPACK SURVEY SOFTWARE
SURVEY VESSEL: MONSON

US ARMY CORPS OF ENGINEERS
District: CELRB

USER NAME: HSTDOJDP
DATE: 7/31/2026

REVISION HISTORY

DISCLAIMER: The United States Government undertakes no liability for the use of this information for purposes not intended by the US Army Corps of Engineers. The information is provided for informational purposes only and is not to be used for any other purpose. The information is provided as is and is not to be used for any other purpose. The information is provided as is and is not to be used for any other purpose. The information is provided as is and is not to be used for any other purpose.

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

BLACK ROCK CHANNEL, NEW YORK

Sheet
Number
6 of 14

