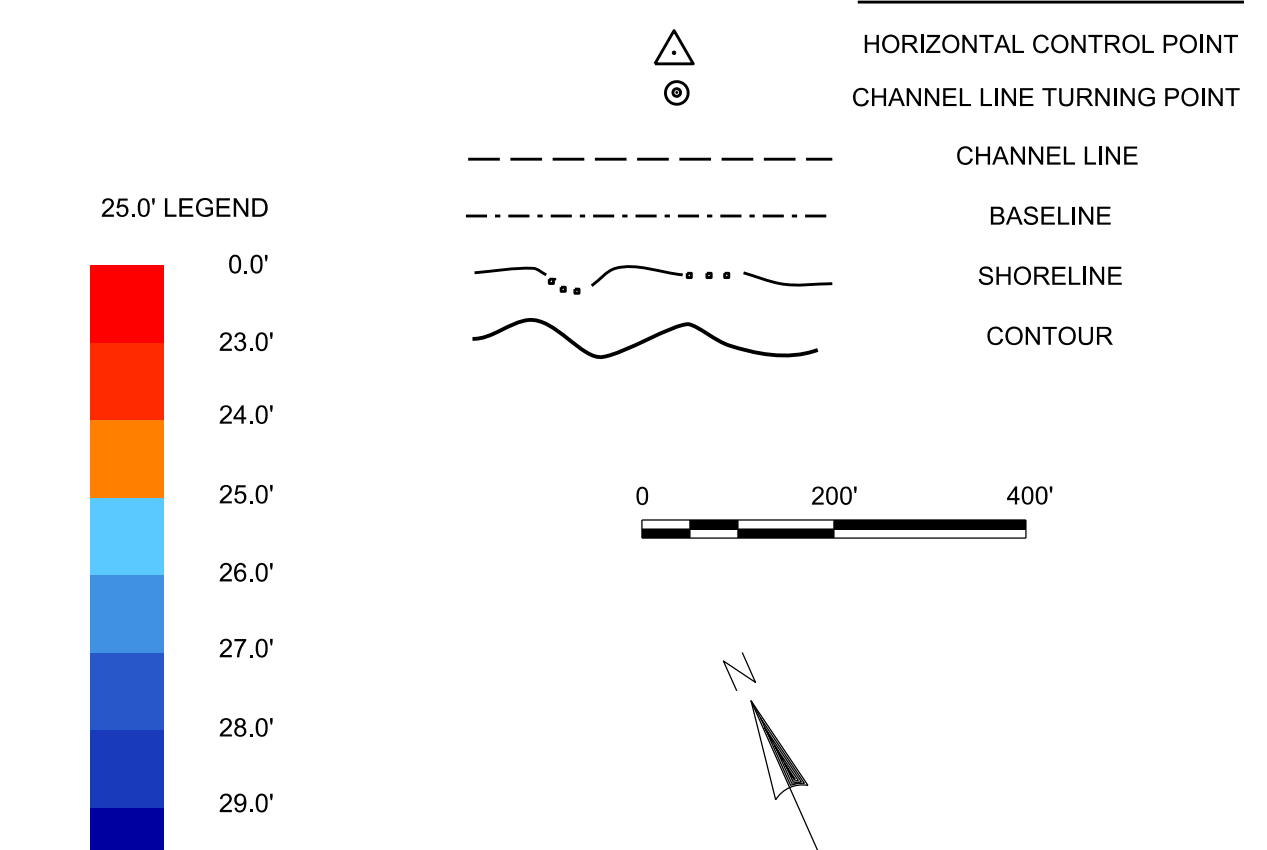


- NOTES
1. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON JUNE 07, 2018 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.
 2. SOUNDING DEPTHS ARE REFERENCED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85) LOW WATER DATUM (LWD) ELEVATION IS 601.1 FEET ABOVE MEAN WATER LEVEL AT RIMOUSKI QUEBEC. WATER LEVEL READINGS WERE OBTAINED WITH RTK GPS VALUES. DEPTHS ARE MEASURED USING A ROSS 820B SINGLE BEAM DEPTH SOUNDER.
 3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK) GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) CORRECTIONS FROM A BASE STATION LOCATED AT U.S. ARMY CORPS OF ENGINEERS (USACE) CONTROL POINT 111. A SAWSAW 'X' IN THE CONCRETE AROUND A MONITORING WELL AT THE HANCOCK MARINA, BETWEEN THE PARKING LOT AND THE DOCKS, AND WEST OF THE OFFICE. THE GPS RECEIVER IS MANUFACTURED BY APPLANIX MARINE POSIMV VER. 4.0.
 4. GRID COORDINATES ARE BASED ON THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, MICHIGAN NORTH ZONE (2111), NORTH AMERICAN DATUM (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.
 5. THE PROJECT DEPTH FOR THIS AREA IS 25'.



COORDINATE TABLE

STATION	DESCRIPTION	COORDINATES	
		NORTHING	EASTING
GOOSE	ALUM. CAP	851883.440	2586998.224
JOE	ALUM. CAP	851330.883	2587283.233
SANDPIPER	ALUM. CAP	851395.432	2587100.634
GRN. LT.	NAVIS. AID	850767.870	25871284.048
PT 67	E. CHANNEL LINE	857423.8	25868233.6
PT 69	E. CHANNEL LINE	853668.1	25869213.8
PT 71	E. CHANNEL LINE	853079.2	25871213.5
PT 73	E. CHANNEL LINE	824962.1	25877525.5
PT 0	CENTERLINE	857226.8	25869189.9
PT 10	CENTERLINE	853682.2	25869146.2
PT 11	CENTERLINE	853313.9	2587042.2
PT 12	CENTERLINE	824924.7	25877488.2
PT 62	W. CHANNEL LINE	856244.3	25868011.1
PT 64	W. CHANNEL LINE	853496.2	25869022.6
PT 66	W. CHANNEL LINE	852941.3	25870475.8
PT 68	W. CHANNEL LINE	852378.5	25870555.6
PT 70	W. CHANNEL LINE	824887.4	25877334.9

US Army Corps of Engineers

PROJECT: KEEWEENAW WATERWAY MICHIGAN

CONTRACT NO.: 850767.870

DATE: JUNE 2018

FILE NAME: 850767.870

IMAGE SOURCE: FIELD SURVEY

SCALE: 1" = 200'

PROJECT: KEEWEENAW WATERWAY MICHIGAN

CONDITION OF CHANNEL: JUNE 2018

SHEET IDENTIFICATION: KWW 14