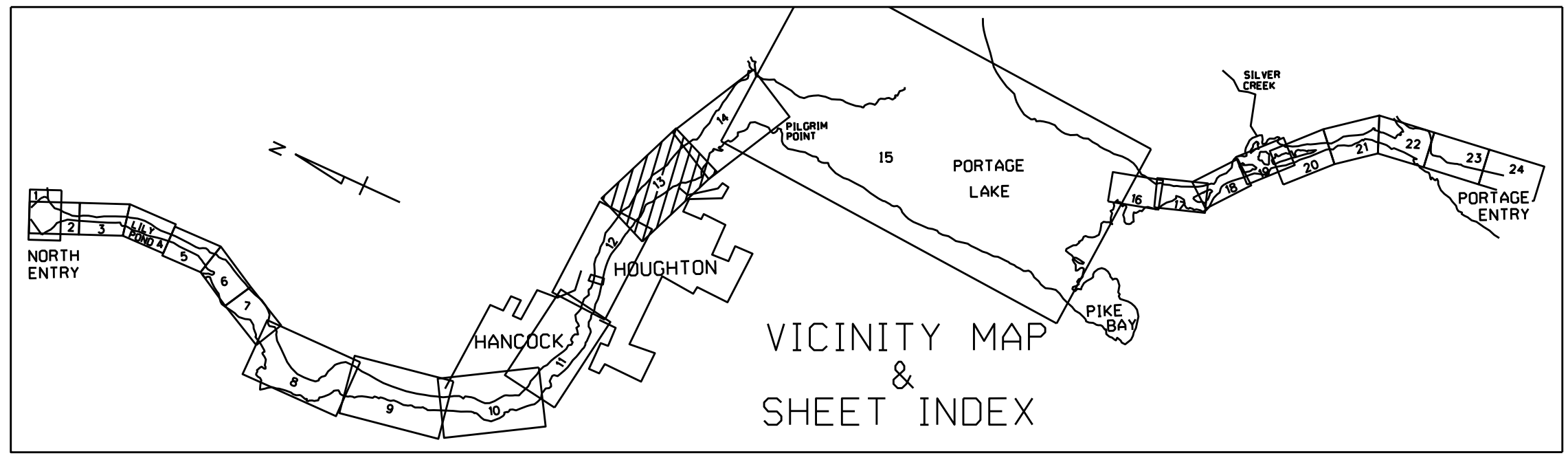
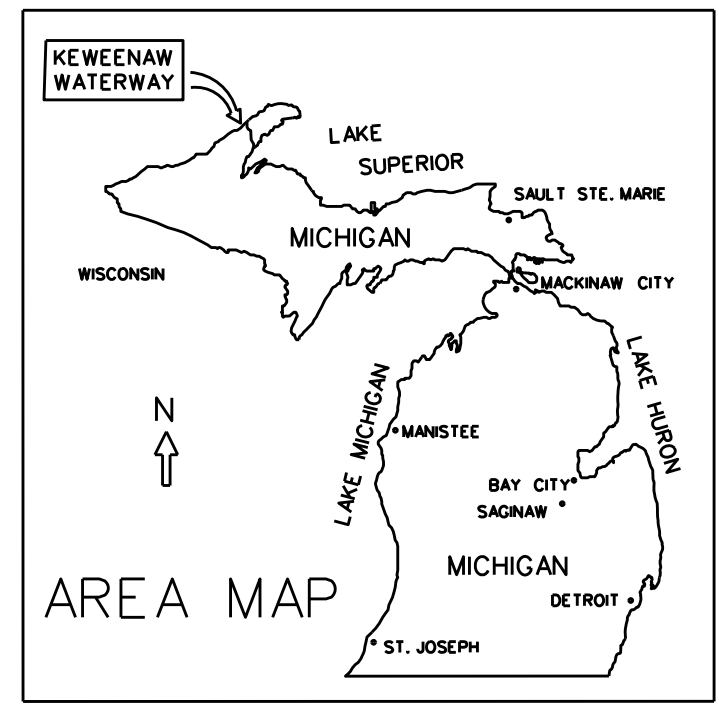
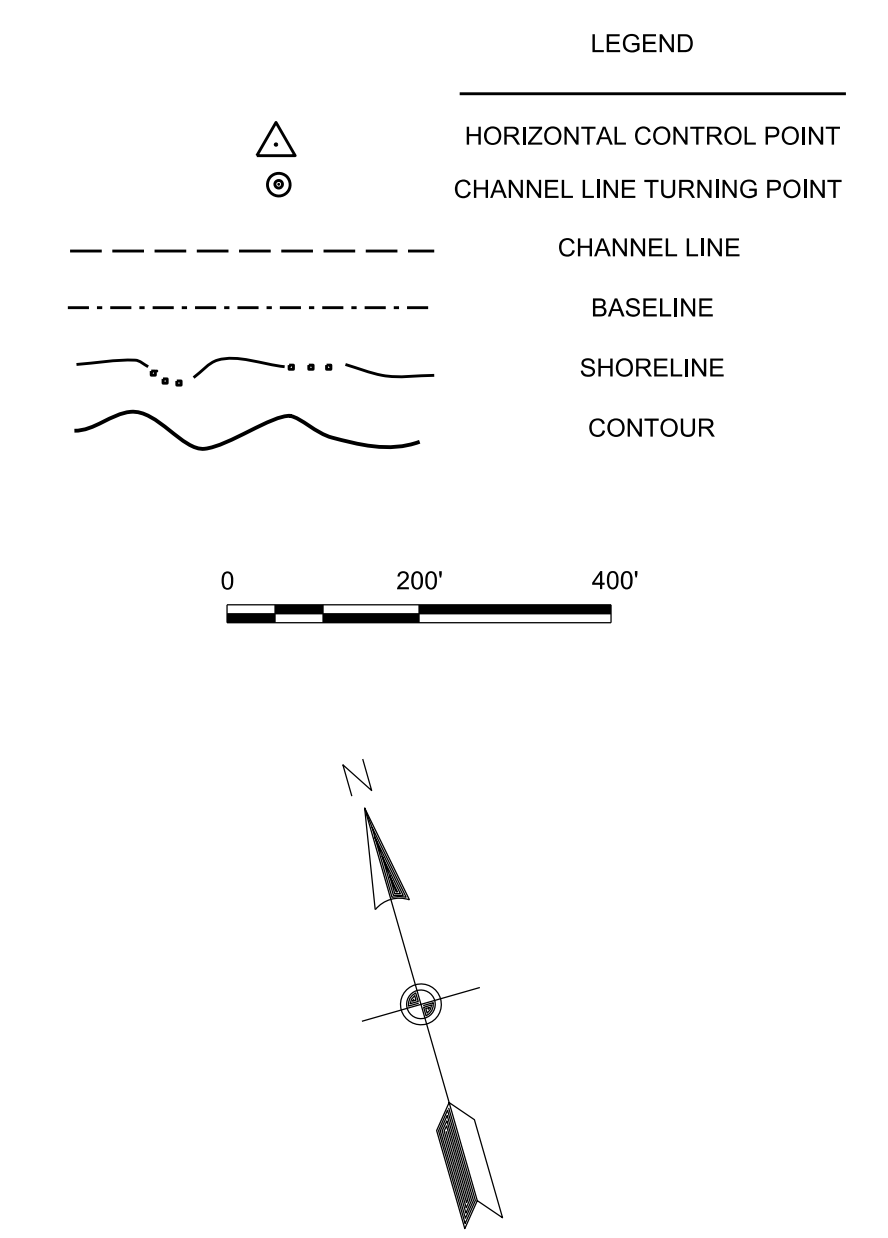
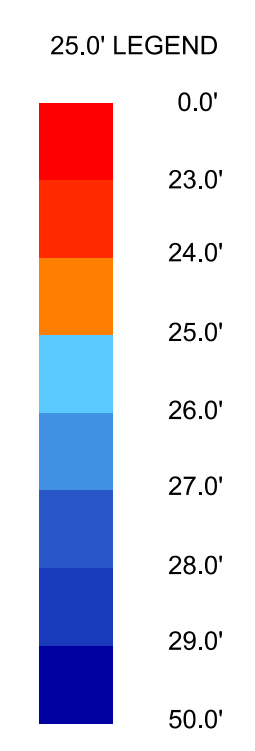


AREA 13



- 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 8298 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 US ARMY CORPS OF ENGINEERS USAGE CONTROL POINT 111, A SAWED "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 POSMV 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
JULID	ALUM. CAP	857824.267	2586584.824
TECH	ALUM. CAP	857887.417	2586758.424
BRIDGE	ALUM. CAP	857615.825	25854278.285
POIN	ALUM. CAP	856938.274	25855913.290
SALT	ALUM. CAP	857635.049	25857985.573
PT 51	E. CHANNEL LINE	856985.3	25849940.3
PT 52	E. CHANNEL LINE	856985.3	25850140.1
PT 53	E. CHANNEL LINE	857667.0	25858867.0
PT 54	E. CHANNEL LINE	857223.8	25860233.8
PT 55	E. CHANNEL LINE	857885.1	25861919.8
PT 56	E. CHANNEL LINE	858865.5	25846776.8
PT 57	E. CHANNEL LINE	856685.8	25848233.8
PT 58	E. CHANNEL LINE	857486.3	25858868.5
PT 59	E. CHANNEL LINE	857225.0	25860189.4
PT 60	E. CHANNEL LINE	857885.1	25861919.8
PT 61	E. CHANNEL LINE	857667.0	25858867.0
PT 62	E. CHANNEL LINE	857223.8	25860233.8
PT 63	E. CHANNEL LINE	857885.1	25861919.8
PT 64	E. CHANNEL LINE	858865.5	25846776.8
PT 65	E. CHANNEL LINE	856685.8	25848233.8
PT 66	E. CHANNEL LINE	857486.3	25858868.5
PT 67	E. CHANNEL LINE	857225.0	25860189.4
PT 68	E. CHANNEL LINE	857885.1	25861919.8
PT 69	E. CHANNEL LINE	857667.0	25858867.0
PT 70	E. CHANNEL LINE	857223.8	25860233.8

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT
DETROIT, MI

PROJECT NAME: KEVEENAW WATERWAY
MICHIGAN

DATE: JUNE 2018

SHEET IDENTIFICATION
KWW 13