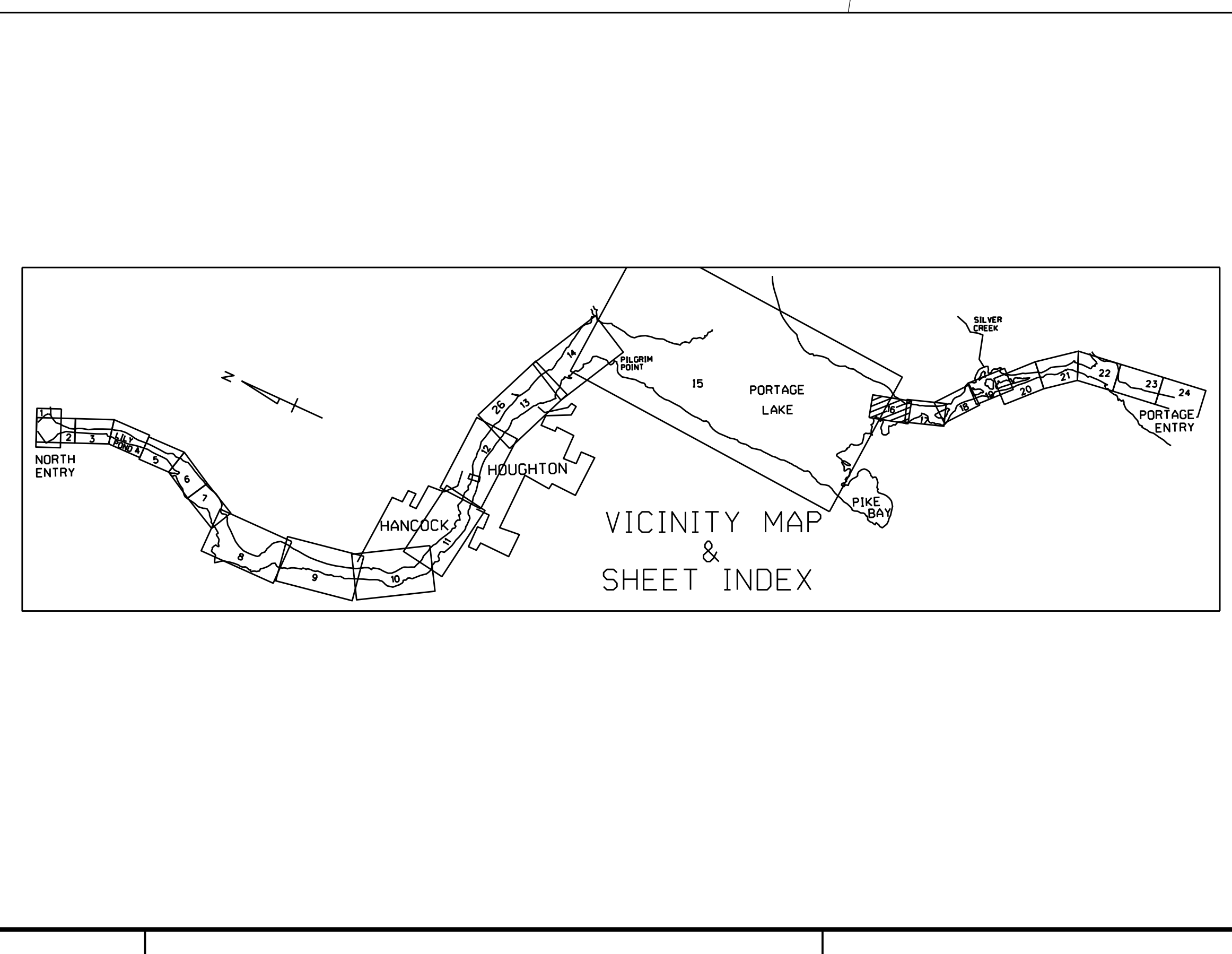
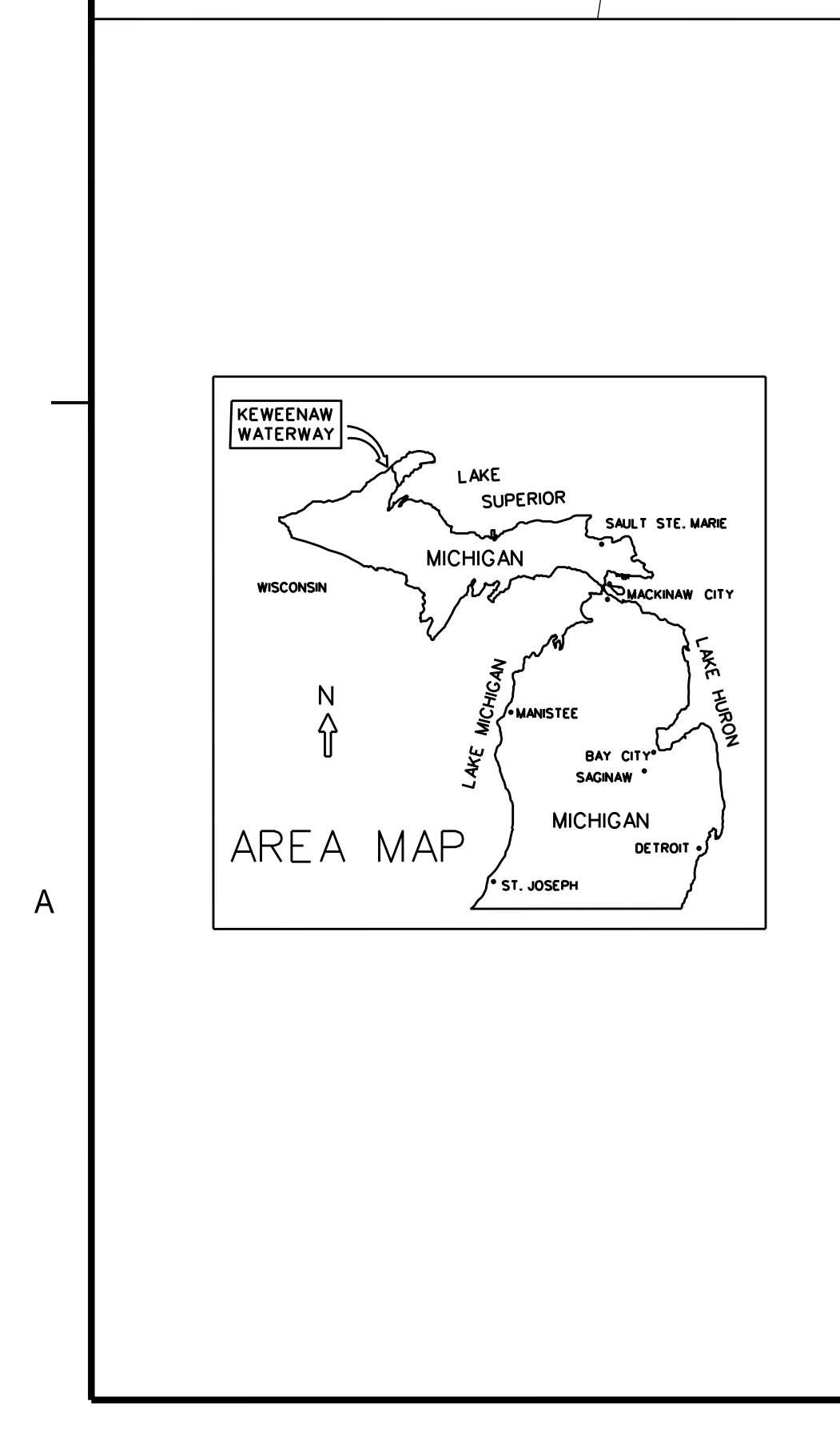
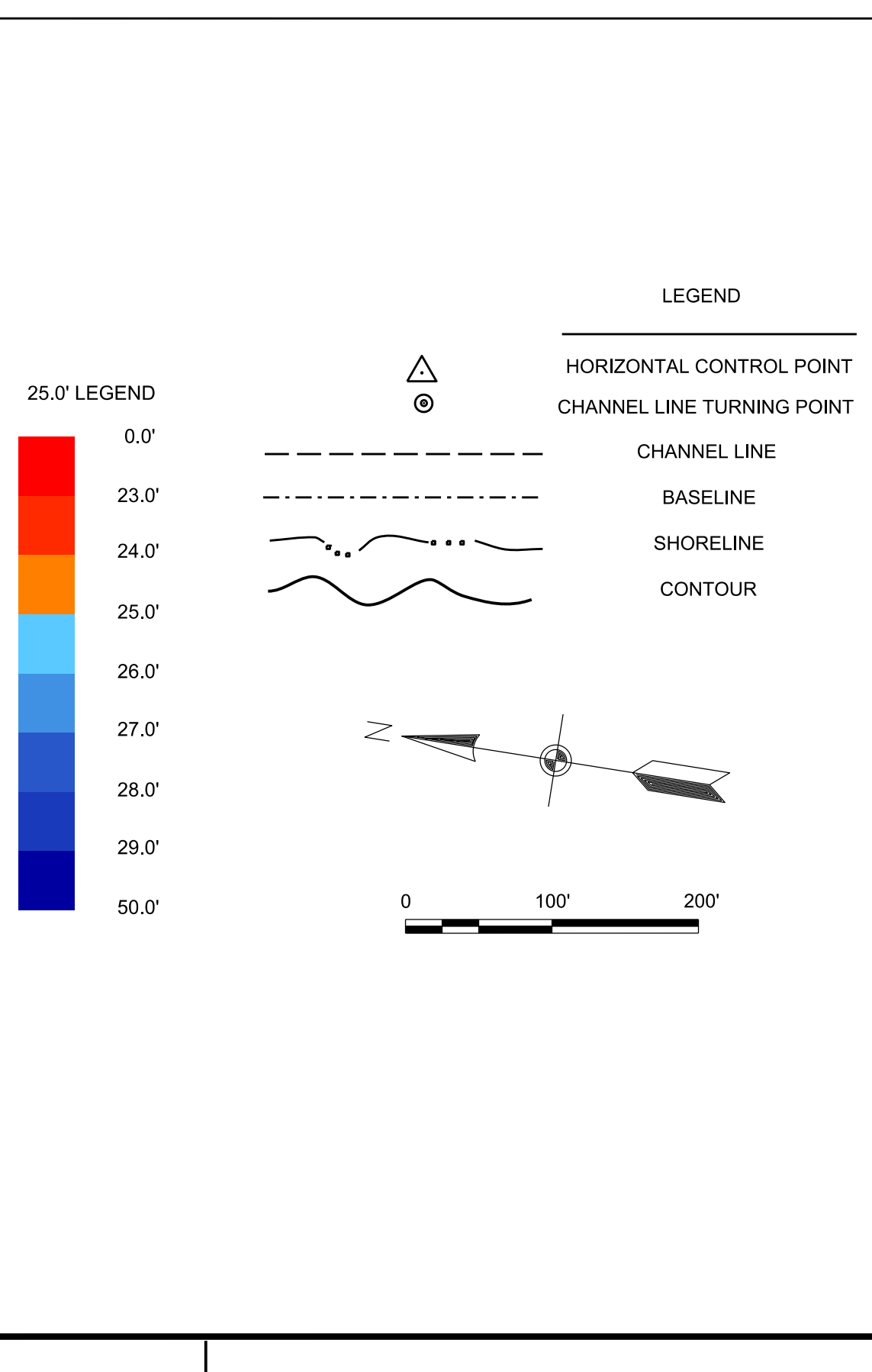


PROJECT NAME:	NEWENAW WATERWAY
PROJECT NUMBER:	1030
DATE:	JUNE 2018
SCALE:	1" = 100'
IMAGE SOURCE:	USGS
DESCRIPTION:	CONDITION OF CHANNEL

APPROVED BY:	DATE:
DESIGNED BY:	DATE:
CHECKED BY:	DATE:
PROJECT MANAGER:	DATE:
CONTRACT NO.:	DATE:
PROJECT NO.:	DATE:
FILE NAME:	DATE:
PROJECT NUMBER:	DATE:



- NOTES
1. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON JUNE 09, 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 SIMOUCI QUEBEC. WATER LEVEL READINGS WERE OBTAINED WITH RTK GPS VALUES. DEPTHS ARE MEASURED USING A ROSS 825B 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 (USACE) TEMPORARY CONTROL POINT 8, ON TOP OF THE PRINCESS POINT RANGE FRONT BEACON, ON THE WEST SIDE OF THE FEDERAL NAVIGATION CHANNEL, NEAR STATION 1053+00. 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
BRK-1	ALM. CAP.	82825.682	2587275.189
RANGE	BRASS DISK	81460.209	2587884.215
WILDER	ALM. CAP.	82226.261	2587881.871
REG. LT #23	NAVIC. AID	82150.331	2587878.888
GRN. LT #28	NAVIC. AID	822927.397	2587774.167

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NEWENAW WATERWAY  
MICHIGAN  
CONDITION OF CHANNEL  
JUNE 2018  
SHEET IDENTIFICATION  
KWW 16