LAKE SUPERIOR

32 ft PROJECT DEPTH

30 ft PROJECT DEPTH

28 ft PROJECT DEPTH

McCLAIN STATE PARK

COAST GUARD RD.

RED NAVIGATION LIGHT

LIGHTHOUSE

GREEN NAVIGATION LIGHT

STOWE

CHANNEL 26.0 LINE

CHANNEL 25.0 LINE

ANTENNA TOWER

26 ft PROJECT DEPTH

HOUGHTON CANAL RD.

DOROCHER

2063

AREA 2

AREA MAP

KEWEENAW WATERWAY

LAKE SUPERIOR

MICHIGAN

WISCONSIN

SAULT STE. MARIE

MACKINAW CITY

MANISTEE

BAY CITY • SAGINAW •

LAKE MICHIGAN

LAKE HURON

DETROIT

ST. JOSEPH

VICINITY MAP & SHEET INDEX

NORTH ENTRY

HANCOCK

HOUGHTON

PORTAGE LAKE

PORTAGE ENTRY

PIKE BAY

SILVER CREEK

CALUMET

NOTES

1. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON JULY 23, 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 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 (USAGE) CONTROL POINT 103, A BRASS DISK STAMPED "NEWMAN 1991 SET IN CONCRETE AT THE BASE OF NAVIGATION AID NUMBER 68 AT THE END OF A PIER, ON THE SOUTH EAST SIDE OF LILY POND. THE GPS RECEIVER IS MANUFACTURED BY APPLANIX MARINE POS/MV 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 DEPTHS FOR THIS AREA VARY BETWEEN 26 AND 32 FEET AS INDICATED HEREON.

LEGEND

- HORIZONTAL CONTROL POINT
- CHANNEL LINE TURNING POINT
- CHANNEL LINE
- BASELINE
- SHORELINE
- CONTOUR

26.0' LEGEND: 0.0', 24.0', 25.0', 26.0', 27.0', 28.0', 29.0', 30.0', 50.0'

28.0' LEGEND: 0.0', 26.0', 27.0', 28.0', 29.0', 30.0', 31.0', 32.0', 50.0'

30.0' LEGEND: 0.0', 28.0', 29.0', 30.0', 31.0', 32.0', 33.0', 34.0', 50.0'

32.0' LEGEND: 0.0', 30.0', 31.0', 32.0', 33.0', 34.0', 35.0', 36.0', 50.0'

0 100' 200'

COORDINATE TABLE

STA.	DESCRIPTION	COORDINATES	
		NORTHING	EASTING
DOROCHER	ALUM. CAP	895479.33	25841747.91
2063	ALUM. CAP	896113.40	25842774.68
STOWE	BRASS DISK	897764.02	25841056.73
CLARK	ALUM. CAP	892990.65	25843206.36
LHTHSE	NAVIG. AID	898030	25841643
RED LT#70	NAVIG. AID	897799	25841120
ANT TOWER	NAVIG. AID	895355	25842966
POINT 1	E. CHANNEL LINE	898420.6	25841673.1
POINT 3	E. CHANNEL LINE	898084.0	25841543.2
POINT 5	E. CHANNEL LINE	898060.9	25841552.9
POINT 7	E. CHANNEL LINE	897582.6	25842025.0
POINT 9	E. CHANNEL LINE	896475.9	25842489.6
POINT 11	E. CHANNEL LINE	895236.9	25842631.2
POINT A	CENTER LINE	898863.7	25840944.7
POINT B	CENTER LINE	895175.5	25842493.2
POINT 2	W. CHANNEL LINE	898052.6	25840504.2
POINT 4	W. CHANNEL LINE	897865.6	25840986.7
POINT 6	W. CHANNEL LINE	897966.4	25841025.7
POINT 8	W. CHANNEL LINE	897897.7	25841202.9
POINT 10	W. CHANNEL LINE	897691.1	25841122.9
POINT 12	W. CHANNEL LINE	897195.4	25841102.8
POINT 14	W. CHANNEL LINE	895115.0	25842357.0
POINT 16	W. CHANNEL LINE	893652.4	25843005.2

US Army Corps of Engineers

MARK	APPD	DATE	DESCRIPTION

SURVEYED: DSN BY: ATX / KRC
DRAWN BY: KRC
REVIEWED BY:
APPROVED BY:
PLOT SCALE: 1" = 100'
SIZE: E
IMAGE SOURCE:
DATE OF SURVEY: 23-Jul-2018
SUBMITTED BY:
CONTRACT NO.:
DRAWING DATE: 30-Jul-2018
IMAGE DATE:
FILE NAME: KWW02_20180702-2.dgn

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

DULUTH AREA OFFICE
800 LAKE AVENUE SOUTH
DULUTH, MN 55802

KEWEENAW WATERWAY
MICHIGAN

CONDITION OF CHANNEL
JULY 2018

SHEET IDENTIFICATION
KWW 02
SHEET 2 OF 24