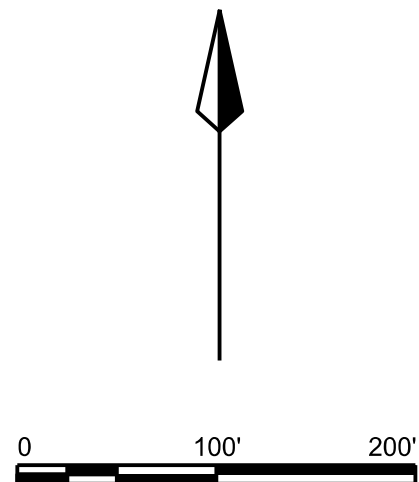
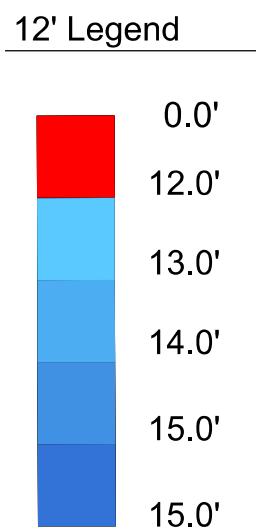


ALL SOUNDINGS ARE REFERENCED TO I.G.L.D. 1985 FOR LAKE MICHIGAN, ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL AT RIMOUSKI, QUEBEC.
HYDRAULIC CORRECTOR OF 0.3 APPLIED

GRID SYSTEM BASED ON LAMBERT PROJECTION, MICHIGAN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (2113) 1983 NORTH AMERICAN DATUM, U.S. FOOT.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

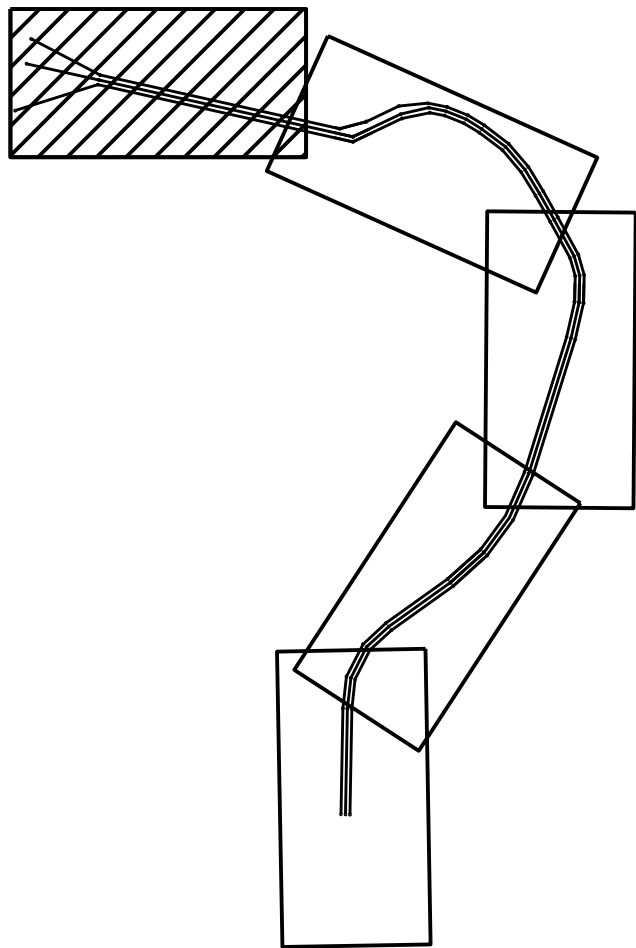
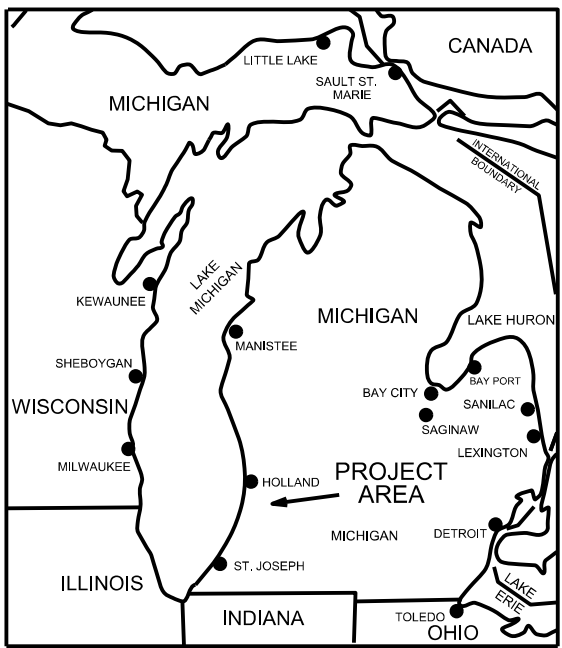
SURVEYED ON: 16-APRIL-2019
VERTICAL WATER LEVEL MEASURED AT GAUGE MARK AT 25+00E
POSITIONING METHOD: APPLANIX POS M/V WITH DGPS CORRECTIONS
MOTION COMPENSATION: APPLANIX OCEAN MASTER POS M/V
EQUIPMENT: ODOM CV 300 SINGLE BEAM TRANSDUCER
SOFTWARE: HYPACK
VESSEL: 3058



CENTERLINE POINTS		
STATION	COORDINATES	
	EAST X	NORTH Y
C/L 1B	12,625,288.33	434,615.29
C/L 0	12,626,020.24	434,451.63

CHANNEL LINE POINTS		
STATION	COORDINATES	
	EAST X	NORTH Y
1D	12,625,334.55	434,866.25
2D	12,625,173.77	434,142.66
A	12,626,009.31	434,404.20
AA	12,626,031.15	434,501.78

SURVEY CONTROL POINTS		
STATION	COORDINATES	
	EAST X	NORTH Y
BAKER	12,626,774.697	434,174.620
BEACH	12,626,999.346	434,905.580
KAL	12,626,067.008	434,551.227
WALL	12,627,317.409	434,257.435



US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

SURVEYED BY: EDS: DRAWN BY: REVIEWED BY:	ISSUE DATE: 16-April-2019 SOLICITATION NO.: CONTRACT NO.: DRAWING NUMBER:	FILE NAME: saugatuck after 2019.dgn
U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT 477 MICHIGAN AVE DETROIT, MI 48228	LAKE MICHIGAN AREA OFFICE 307 SOUTH HARBOR DR GRAND RAPIDS, MI 49417	

SAUGATUCK HARBOR
MI
AFTER DREDGING

CONDITION OF CHANNEL
APRIL 2019

SHEET ID
VH101

