

US Army Corps of Engineers

MARK	DESCRIPTION	DATE

ISSUE DATE: 15-JUNE-2018	SOLICITATION NO.:	CONTRACT NO.:
SURVEYED BY: E.D.S.	DRAWN BY:	APPROVED BY:
FILE NAME: ANSID: south_haven_2018.dgn	FILE NAME:	DRAWING NUMBER:

U.S. ARMY CORPS OF ENGINEERS  
DETROIT DISTRICT  
477 MICHIGAN AVE  
DETROIT, MI 48226

LAKE MICHIGAN AREA OFFICE  
307 SOUTH HARBOR DR  
GRAND HAVEN, MI 49417

SOUTH HAVEN HARBOR  
MICHIGAN

CONDITION OF CHANNEL  
JUNE 2018

SHEET ID  
**VH102**

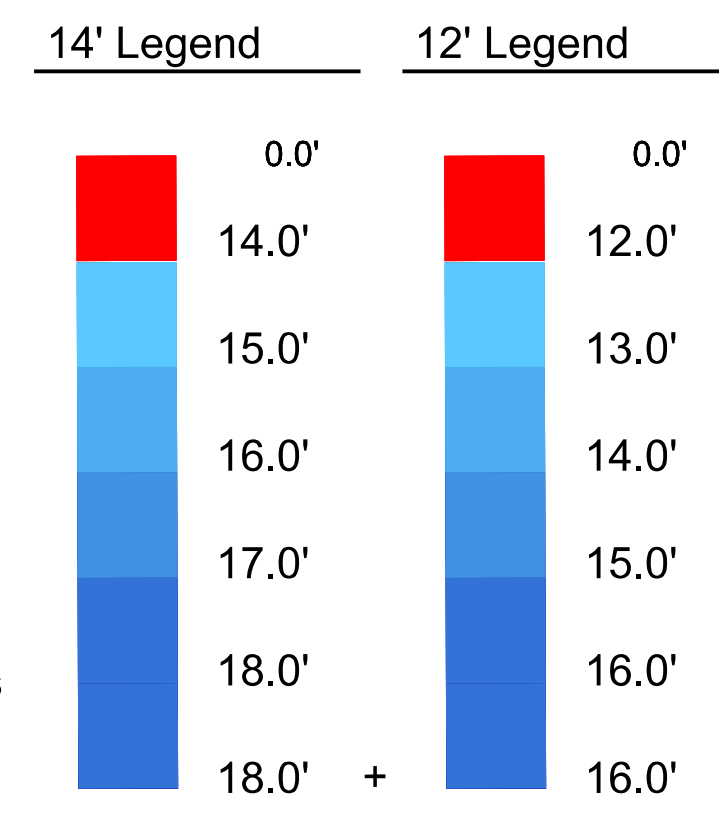
ALL SOUNDINGS ARE REFERENCED TO I.G.L.D. 1985 FOR LAKE MICHIGAN, ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL AT RIMOUSKI, QUEBEC.  
HYDRAULIC CORRECTOR OF 0.3 APPLIED

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.

VERTICAL WATER LEVEL READINGS WERE TAKEN FROM A FIXED GAUGE MARK ALONG THE SHEET STEEL WALL NEAR CROSS SECTION 9+00E IN SOUTH HAVEN HARBOR, MI.

SURVEYED ON: 14 JUNE 2018  
POSITIONING METHOD: APPLANIX POS M/V W/DGPS CORRECTIONS  
MOTION COMPENSATION: APPLANIX OCEAN MASTER POS M/V  
EQUIPMENT: ODOM CV 300 SINGLE BEAM SOUNDER  
SOFTWARE: HYPACK  
VESSEL: LAUNCH 3058



**Authorized Project Depth 19'**

**Maintained Project Depth 12'**

**CHANNEL LINE T.P.**

CHTP	EAST X	NORTH Y
G	12,606,568.26	334,698.75
I	12,607,102.17	335,069.66
J	12,607,825.26	335,521.08
K	12,607,971.20	335,594.01
L	12,608,395.61	335,731.65
M	12,608,524.00	335,856.61
N	12,608,608.29	336,033.69
O	12,608,552.63	336,051.65
P	12,608,450.52	335,939.98
Q	12,608,374.93	335,861.61
S	12,607,921.82	335,714.66
T	12,607,761.65	335,634.62
U	12,607,030.62	335,178.25
W	12,606,521.14	334,824.31

**CENTER LINE T.P.**

CL TP	EAST X	NORTH Y
1	12,606,544.70	334,761.53
2	12,607,066.57	335,124.07
3	12,607,793.45	335,577.85
4	12,607,946.50	335,654.33
5	12,608,385.27	335,796.63
6	12,608,487.26	335,898.29
7	12,608,580.46	336,042.67

