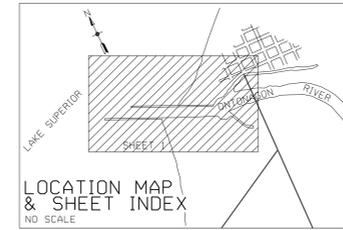


NOTES

- 1) 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 PRESENT AT THAT TIME.
- 2) ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION 601.1 ABOVE MEAN SEA LEVEL, I.G.L.D. 1985.
- 3) PROJECT DEPTHS FOR AREAS ARE 19', 20' & 22'.
- 4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE (211), NORTH AMERICAN DATUM 1983 (NAD 83), US FOOT.
- 5) THE LOCATION OF NAVIGATION BUOYS REPRESENTS THE GENERAL LOCATION ON THE DATE OF THE SURVEY AND CANNOT BE CONSIDERED FOR NAVIGATION.
- 6) THE SURVEY SHOWN WAS CONDUCTED BY D.C. GOLTZ, PARTY CHIEF DURING 25 APRIL 2012, USING D.G.P.S. POSITIONING, AN INTERSPACE 448 SOUNDER, AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.



SURVEY CONTROL

STA.	DESCRIPTION	NORTHING	EASTING
0-100	BRASS DISC	770395.809	25665800.481
0-101	BRASS DISC	770445.315	25665834.074
0-106	BRASS DISC	772426.107	25663841.551
0-107	BRASS DISC	771700.263	25664938.137
94-1	ALUM. DISC	770755.864	25665169.660
94-2	ALUM. DISC	770695.701	25666001.308
94-4-J	BRASS DISC	771040.075	25665400.406
GREEN LT.	NAVIC. AID	772827.749	25664205.041
RED LT.	NAVIC. AID	772911.202	25663841.738
RED LT.	NAVIC. AID	778407.787	25666017.7558
LIGHT. ROD	LANDMARK	778672.381	25665033.902

MICHIGAN LAMBERT PROJECTION, NORTH ZONE.
NORTH AMERICAN DATUM 1983 (NAD 83).

CHANNEL CONTROL

STA.	NORTHING	EASTING
1	773824.07	25663634.074
2	773806.24	25663298.65
3	773059.95	25663981.28
4	772978.27	25663895.48
5	773001.24	25664019.40
6	772919.56	25663893.61
7	771068.22	25665274.70
8	770986.70	25665200.70
9	771004.80	25665351.80
10	770987.00	25665213.50
11	770321.76	25665988.76
12	770783.50	25665830.54
13	770472.83	25666099.02
15A	770461.14	25666088.24

Legend

- horizontal control point
- channel line turning point
- GPS CONTROL MONUMENT
- channel line
- dredging limit
- shoreline
- project depth contour

NO.	DATE	REVISION	BY

U. S. ARMY ENGINEER DISTRICT, DETROIT
CORPS OF ENGINEERS
DETROIT, MICHIGAN

ONTONAGON HARBOR
MICHIGAN
CONDITION SURVEY - APRIL 2012

DULUTH AREA OFFICE **DULUTH, MN.**

APPROVAL RECOMMENDED: _____ DATE: _____

SCALE: 1" = 100'
DGN NAME: MI-Ontonagon-C_2012.dgn
SHEET 1 OF 1

1" = 100'
COMBINED GRID SCALE FACTOR = 0.99995545
GRID DIST DIVIDED BY COMBINED GRID SCALE FACTOR + GROUND DIST.

this plan accompanies contract no. doc#

ont7570/1971