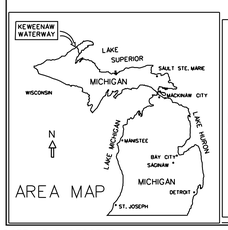
COORDINATE TABLE

STATION	DESCRIPTION	COORDINATES NORTHING	COORDINATES EASTING
LIGHT	BRONZE CAP	809179.785	25888757.290
M MESSNER	ALUM. DISC	809923.219	25887696.882
GRN LT #13	NAVIG. AID	808699.858	25888300.277
GRN LT #15	NAVIG. AID	809893.568	25887823.477
PT. 77	E. CHANNEL LINE	819160.9	25879736.8
PT. 79	E. CHANNEL LINE	809467.8	25888632.2
PT. 81	E. CHANNEL LINE	807651.2	25888722.4
PT. S	CENTERLINE	820031.7	25878728.0
PT. T	CENTERLINE	809435.6	25888517.7
PT. U	CENTERLINE	807788.3	25888549.1
PT. 72	W. CHANNEL LINE	819957.8	25879692.0
PT. 74	W. CHANNEL LINE	809922.7	25887863.4
PT. 76	W. CHANNEL LINE	808696.4	25888354.9
PT. 78	W. CHANNEL LINE	807529.5	25888367.7

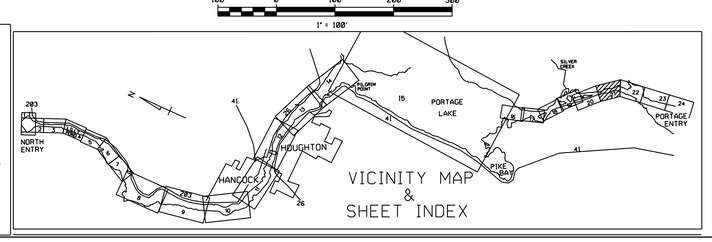
GRID SCALE FACTOR = .99995579
GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.

100 0 100 200 300

1" = 100'



AREA MAP



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 THIS AREA ARE 25 FT.

4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE (2111), 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 16-17 SEPT. 2006, USING D.G.P.S. POSITIONING, AN INNERSPACE 448 SOUNDER, AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

LEGEND

- HORIZONTAL CONTROL POINT G.P.S.
- HORIZONTAL CONTROL POINT
- DREDGING LIMIT TURNING POINT
- CHANNEL LINE TURNING POINT
- CENTER LINE 00·00
- CHANNEL LINE
- DREDGING LIMIT
- SHORELINE
- PROJECT DEPTH CONTOUR
- 15·00 --- CENTER LINE STATIONS

NO.	DATE	REVISION	BY

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

KEWEENAW – WATERWAY
MICHIGAN

CONDITION SURVEY – SEPTEMBER 2006

DULUTH AREA OFFICE — DULUTH, MN

DESIGNED BY:*
DRAWN BY:*
CHECKED BY:*
REVIEWED BY:*
SUBMITTED BY:*
CHIEF, PROJ. OPNS. SEC.
APPROVAL RECOMMENDED:*
DATE
CHIEF, DTS BRANCH
APPROVED:*
CHIEF, CONST. – OPNS. DIVN.
(* AS REQUIRED BY ENGINEERING CIRCULAR 1110-1-76)

SCALE AS SHOWN 1" = 100'
CADD FILE NAME KW221C06.DGN
DRAWING NUMBER
SHEET 1 OF 1

DATE OF PHOTOGRAPHY
20 AUGUST 1991 12:29 P.M.

DACW.

THIS PLAN ACCOMPANIES CONTRACT NO.
MODIFICATION NO.

INVITATION NO. DACW.

KW 7570/21-08