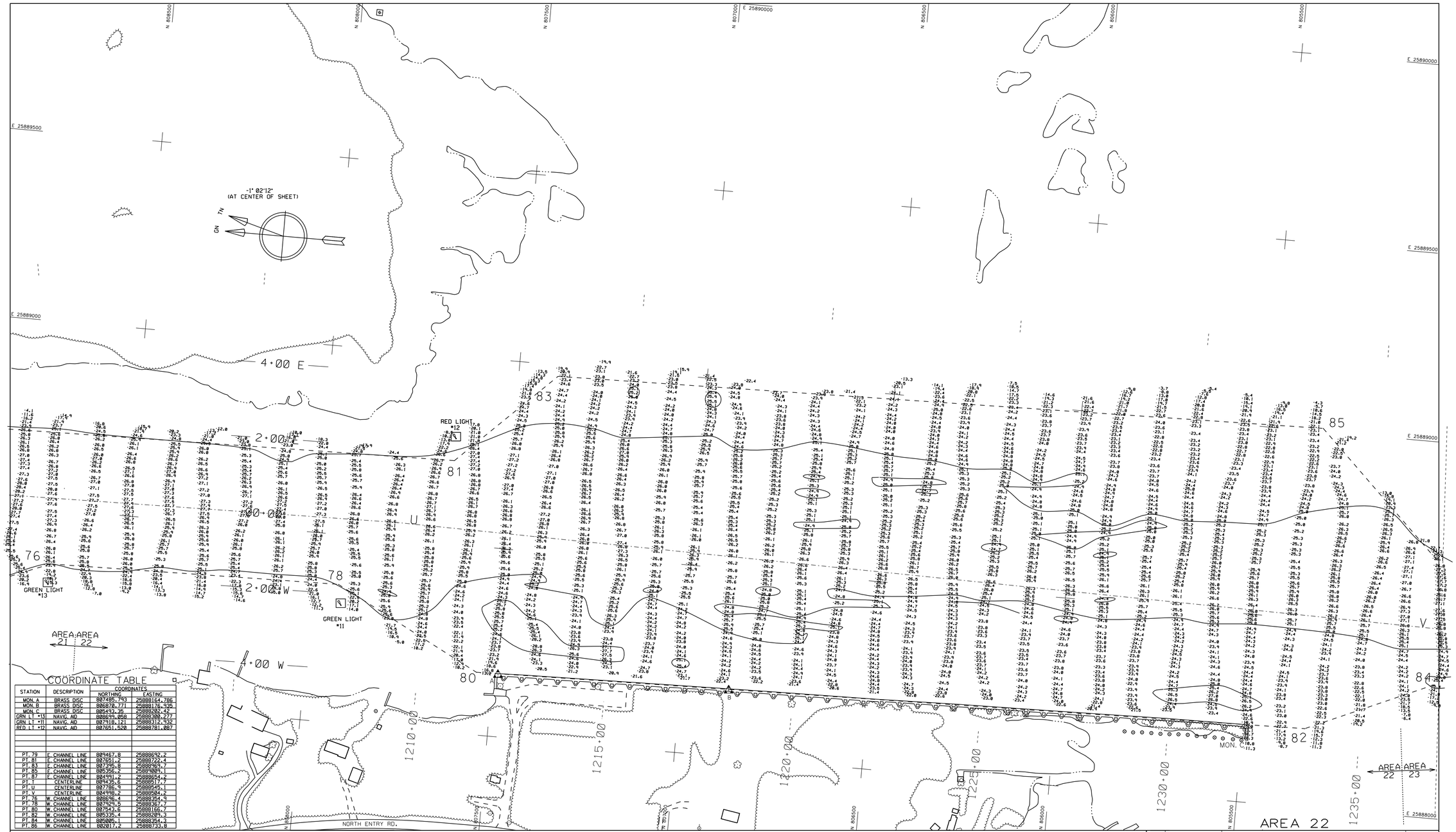
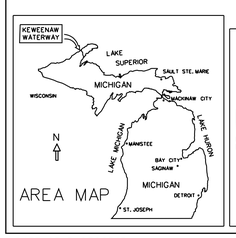


COORDINATE TABLE

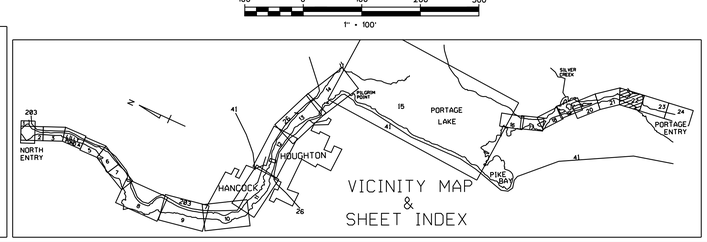
STATION	DESCRIPTION	COORDINATES NORTHING	COORDINATES EASTING
MON. A	BRASS DISC	807495.793	25888164.786
MON. B	BRASS DISC	806870.771	25888176.935
MON. C	BRASS DISC	805453.35	25888202.42
GRN LT #13	NAVIG. AID	808699.058	25888300.277
GRN LT #11	NAVIG. AID	807819.121	25888312.932
RED LT #12	NAVIG. AID	807651.520	25888781.987
PT. 79	E. CHANNEL LINE	809467.8	25888692.2
PT. 81	E. CHANNEL LINE	807651.2	25888722.4
PT. 83	E. CHANNEL LINE	807395.8	25888833.7
PT. 85	E. CHANNEL LINE	805356.2	25889021.1
PT. 87	E. CHANNEL LINE	804991.2	25888654.2
PT. T	CENTERLINE	809439.6	25888917.7
PT. U	CENTERLINE	807786.9	25888545.1
PT. V	CENTERLINE	804998.2	25888594.2
PT. 76	W. CHANNEL LINE	808636.4	25888354.9
PT. 78	W. CHANNEL LINE	807921.5	25888367.7
PT. 80	W. CHANNEL LINE	807543.6	25888166.7
PT. 82	W. CHANNEL LINE	805335.4	25888201.3
PT. 84	W. CHANNEL LINE	805005.1	25888354.3
PT. 86	W. CHANNEL LINE	802017.2	25888733.8

GRID SCALE FACTOR = .99995420
GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.

100 0 100 200 300
1" = 100'



AREA MAP



VICINITY MAP & SHEET INDEX

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 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:* — CHIEF, OTS BRANCH — DATE
APPROVED:* — CHIEF, CONST.-OPNS. DIVN.
(* AS REQUIRED BY ENGINEERING CIRCULAR 1110-1-76)

SCALE AS SHOWN 1" = 100'
CADD FILE NAME KW222C06.DGN
DRAWING NUMBER
SHEET 1 OF 1

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

THIS PLAN ACCOMPANIES CONTRACT NO.
DACW. MODIFICATION NO.

INVITATION NO. DACW.

KW 7570/22-08