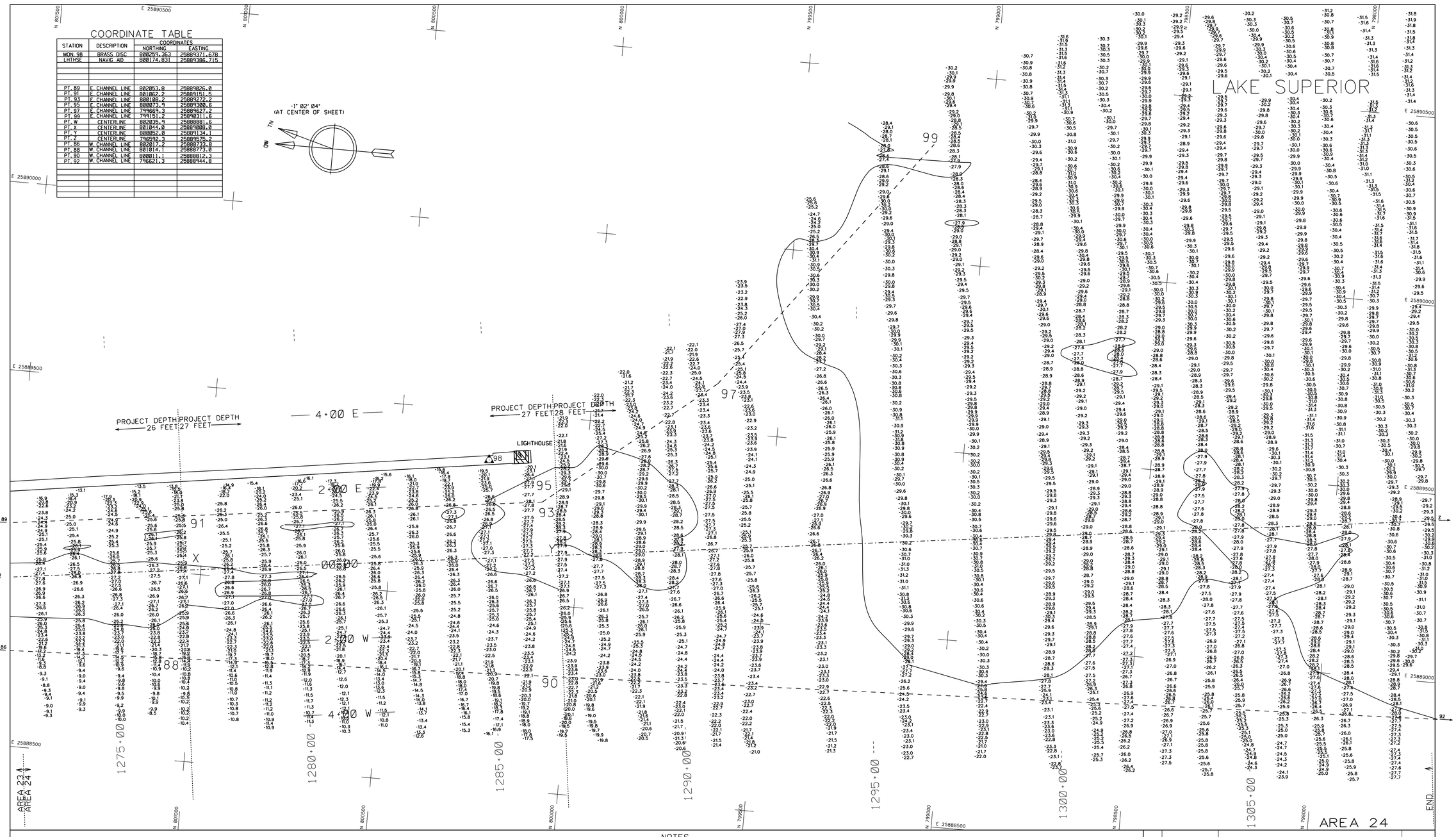
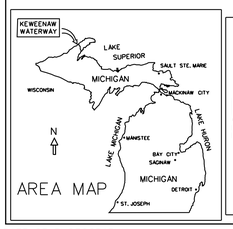
## COORDINATE TABLE

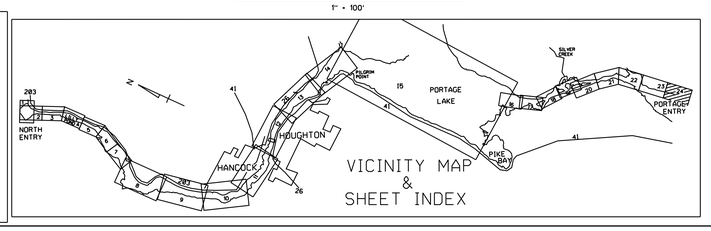
| STATION | DESCRIPTION | COORDINATES | |
|---|---|---|---|
| | | NORTHING | EASTING |
| MON. 98 | BRASS DISC | 800255.363 | 25889371.678 |
| LHTHSE | NAVIG. AID | 800174.831 | 25889386.715 |
| | | | |
| | | | |
| | | | |
| PT. 89 | E. CHANNEL LINE | 802053.8 | 25889026.0 |
| PT. 91 | E. CHANNEL LINE | 801062.2 | 25889151.5 |
| PT. 93 | E. CHANNEL LINE | 800108.2 | 25889272.2 |
| PT. 95 | E. CHANNEL LINE | 800073.9 | 25889300.6 |
| PT. 97 | E. CHANNEL LINE | 799065.3 | 25889527.2 |
| PT. 99 | E. CHANNEL LINE | 799151.2 | 25890311.6 |
| PT. W | CENTERLINE | 802035.9 | 25888881.6 |
| PT. X | CENTERLINE | 801044.0 | 25889000.0 |
| PT. Y | CENTERLINE | 800052.0 | 25889134.1 |
| PT. Z | CENTERLINE | 796592.3 | 25889675.2 |
| PT. 86 | W. CHANNEL LINE | 802017.2 | 25888733.8 |
| PT. 88 | W. CHANNEL LINE | 801014.1 | 25888773.0 |
| PT. 90 | W. CHANNEL LINE | 800011.1 | 25888812.3 |
| PT. 92 | W. CHANNEL LINE | 796621.3 | 25888944.8 |




GRID SCALE FACTOR = .99995017
GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.

100 0 100 200 300
1" = 100'




## 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 26, 27 & 28 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

DESIGNED BY:*
DRAWN BY:*
CHECKED BY:*
REVIEWED BY:*
SUBMITTED BY:*
CHIEF, DTS BRANCH
APPROVED:*
CHIEF CONST. - OPNS. DIVN.

# KEWEENAW - WATERWAY
## MICHIGAN

CONDITION SURVEY - SEPTEMBER 2006

DULUTH AREA OFFICE — DULUTH, MN

APPROVAL RECOMMENDED:*
CHIEF, DTS BRANCH — DATE

SCALE AS SHOWN 1" = 100'
CADD FILE NAME KWZ24C06.DGN
DRAWING NUMBER
SHEET 1 OF 1

(* AS REQUIRED BY ENGINEERING CIRCULAR 1110-1-76)

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

THIS PLAN ACCOMPANIES CONTRACT NO.
MODIFICATION NO.

INVITATION NO. DACW.

KW 7570/24-09