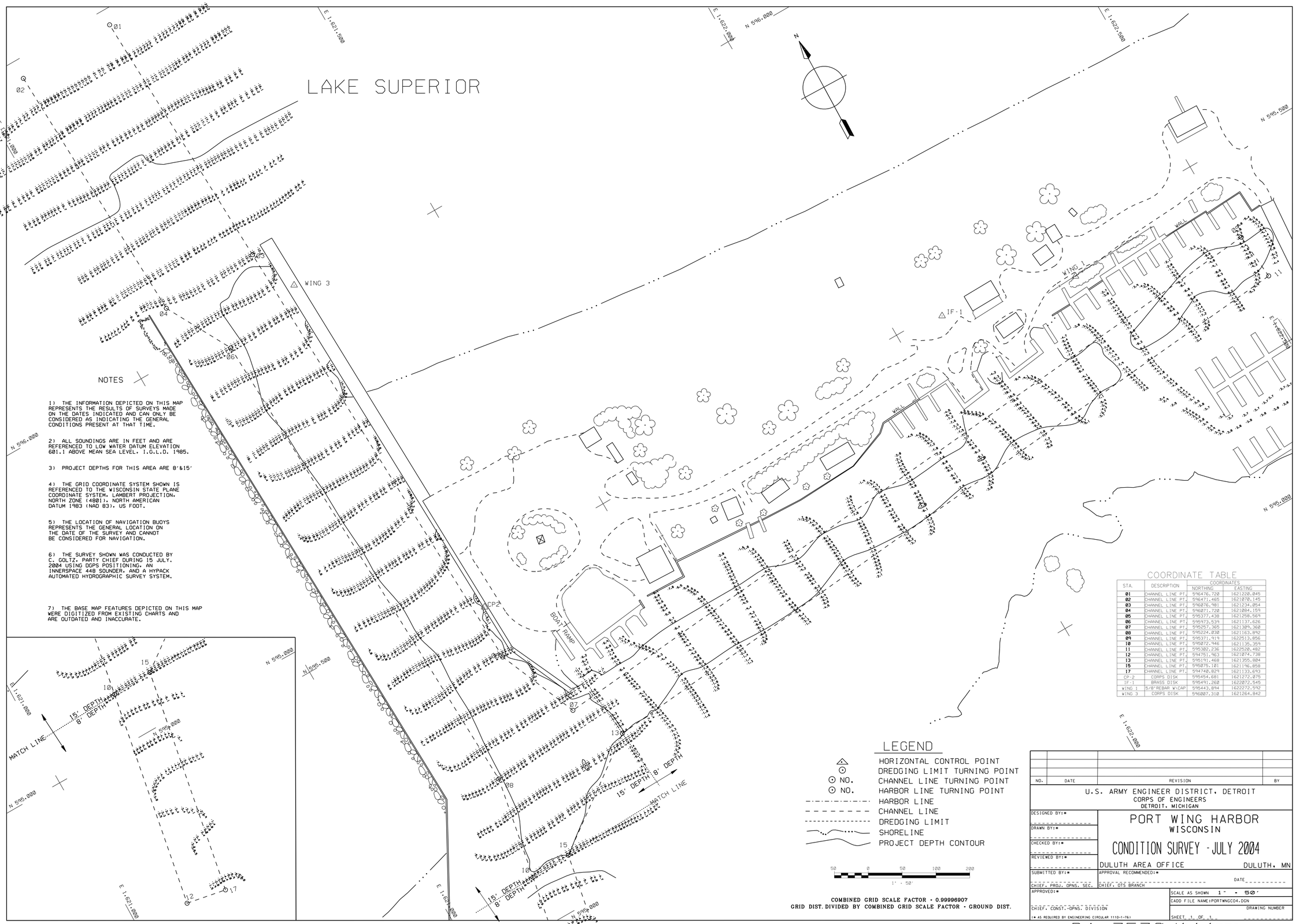


## NOTES

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 8'&15'

4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE (4801), 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 C. GOLTZ, PARTY CHIEF DURING 15 JULY, 2004 USING DGPS POSITIONING, AN INNERSPACE 448 SOUNDER, AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

7) THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING CHARTS AND ARE OUTDATED AND INACCURATE.

## COORDINATE TABLE

| STA. | DESCRIPTION | COORDINATES NORTHING | COORDINATES EASTING |
|---|---|---|---|
| 01 | CHANNEL LINE PT. | 596476.720 | 1621220.045 |
| 02 | CHANNEL LINE PT. | 596471.465 | 1621870.145 |
| 03 | CHANNEL LINE PT. | 596076.981 | 1621234.054 |
| 04 | CHANNEL LINE PT. | 596071.720 | 1621884.159 |
| 05 | CHANNEL LINE PT. | 595377.438 | 1621258.564 |
| 06 | CHANNEL LINE PT. | 595973.534 | 1621137.626 |
| 07 | CHANNEL LINE PT. | 595257.365 | 1621389.368 |
| 08 | CHANNEL LINE PT. | 595224.830 | 1621163.892 |
| 09 | CHANNEL LINE PT. | 595371.414 | 1622513.856 |
| 10 | CHANNEL LINE PT. | 595072.946 | 1621135.359 |
| 11 | CHANNEL LINE PT. | 595382.236 | 1622520.482 |
| 12 | CHANNEL LINE PT. | 594751.963 | 1621074.738 |
| 13 | CHANNEL LINE PT. | 595191.468 | 1621355.804 |
| 15 | CHANNEL LINE PT. | 595076.181 | 1621196.858 |
| 17 | CHANNEL LINE PT. | 594740.829 | 1621133.693 |
| CP-2 | CORPS DISK | 595454.681 | 1621272.075 |
| IF-1 | BRASS DISK | 595491.260 | 1622072.545 |
| WING 1 | 5/8"REBAR W\CAP | 595443.894 | 1622272.592 |
| WING 3 | CORPS DISK | 596007.310 | 1621264.842 |

## LEGEND

- HORIZONTAL CONTROL POINT
- DREDGING LIMIT TURNING POINT
- NO. CHANNEL LINE TURNING POINT
- NO. HARBOR LINE TURNING POINT
- HARBOR LINE
- CHANNEL LINE
- DREDGING LIMIT
- SHORELINE
- PROJECT DEPTH CONTOUR

50 0 50 100 200
1" = 50'

**COMBINED GRID SCALE FACTOR = 0.99996907**
**GRID DIST. DIVIDED BY COMBINED GRID SCALE FACTOR = GROUND DIST.**

| NO. | DATE | REVISION | BY |
|---|---|---|---|

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

# PORT WING HARBOR
## WISCONSIN
## CONDITION SURVEY - JULY 2004

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

SCALE AS SHOWN 1" = 50'
CADD FILE NAME:PORTWNGC04.DGN
DRAWING NUMBER
SHEET 1 OF 1

PA 7570/PW 7570/111