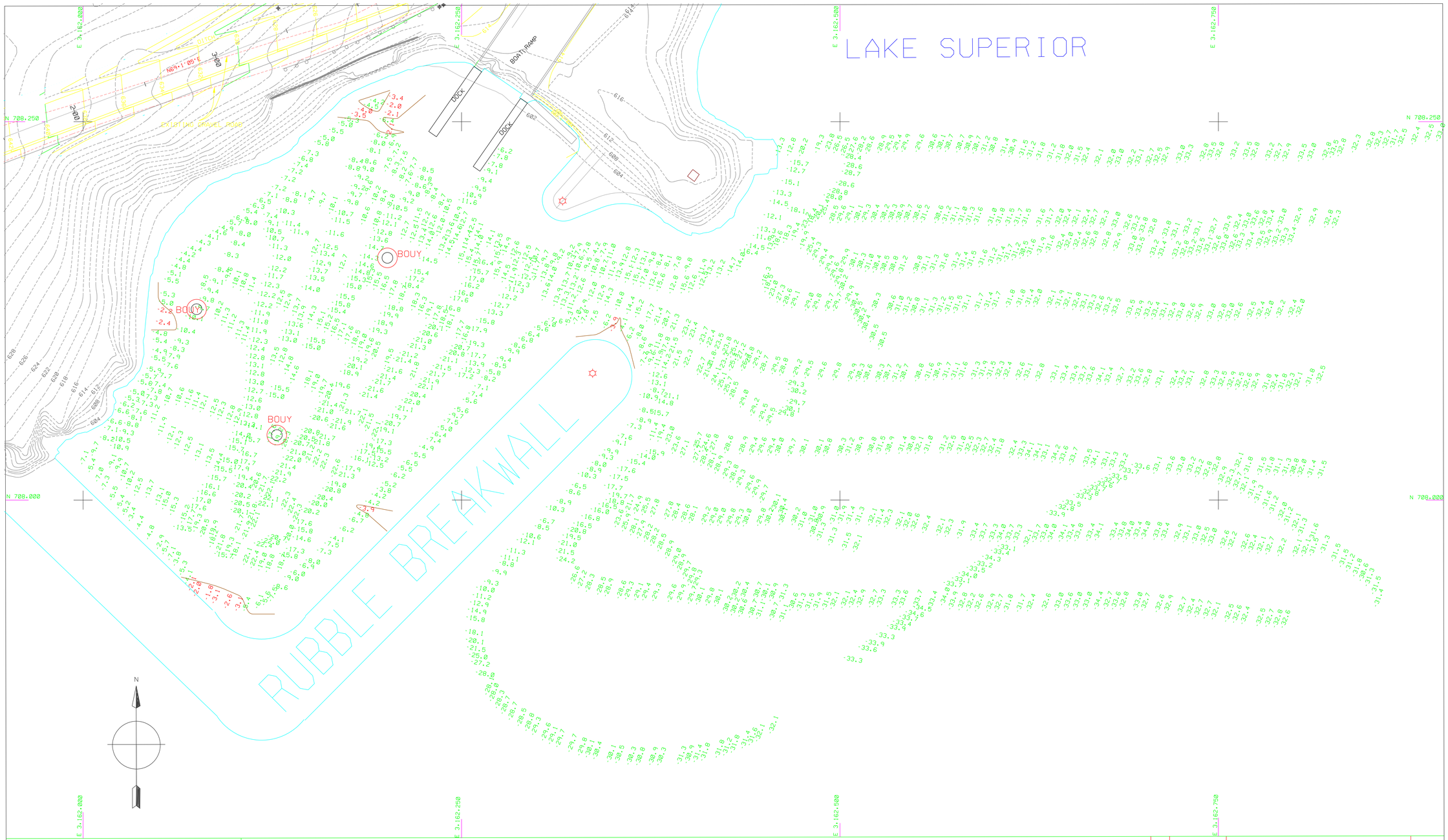

## NOTES

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) CONTOUR DEPTH FOR THIS AREA ARE 4.0'

4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MINNESOTA STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION. NORTH ZONE (2201), 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 DC GOLTZ, CIVIL ENGINEER TECH DURING 18 OCT., 2010 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7) THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING CHARTS AND ARE OUTDATED AND INACCURATE.

COMBINED GRID SCALE FACTOR - 0.99996907
GRID DIST. DIVIDED BY COMBINED GRID SCALE FACTOR - GROUND DIST.

25 0 25 50 75
1" - 25'

## LEGEND

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

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

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

# TACONITE SAFE HARBOR
MINNESOTA

# CONDITION SURVEY - OCTOBER 2010

DULUTH AREA OFFICE — DULUTH, MN

DESIGNED BY:*
DRAWN BY:* RJB
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" = 25'
CADD FILE NAME: TACONITE MN DNR 2010.DGN
DRAWING NUMBER
SHEET 1 OF 1