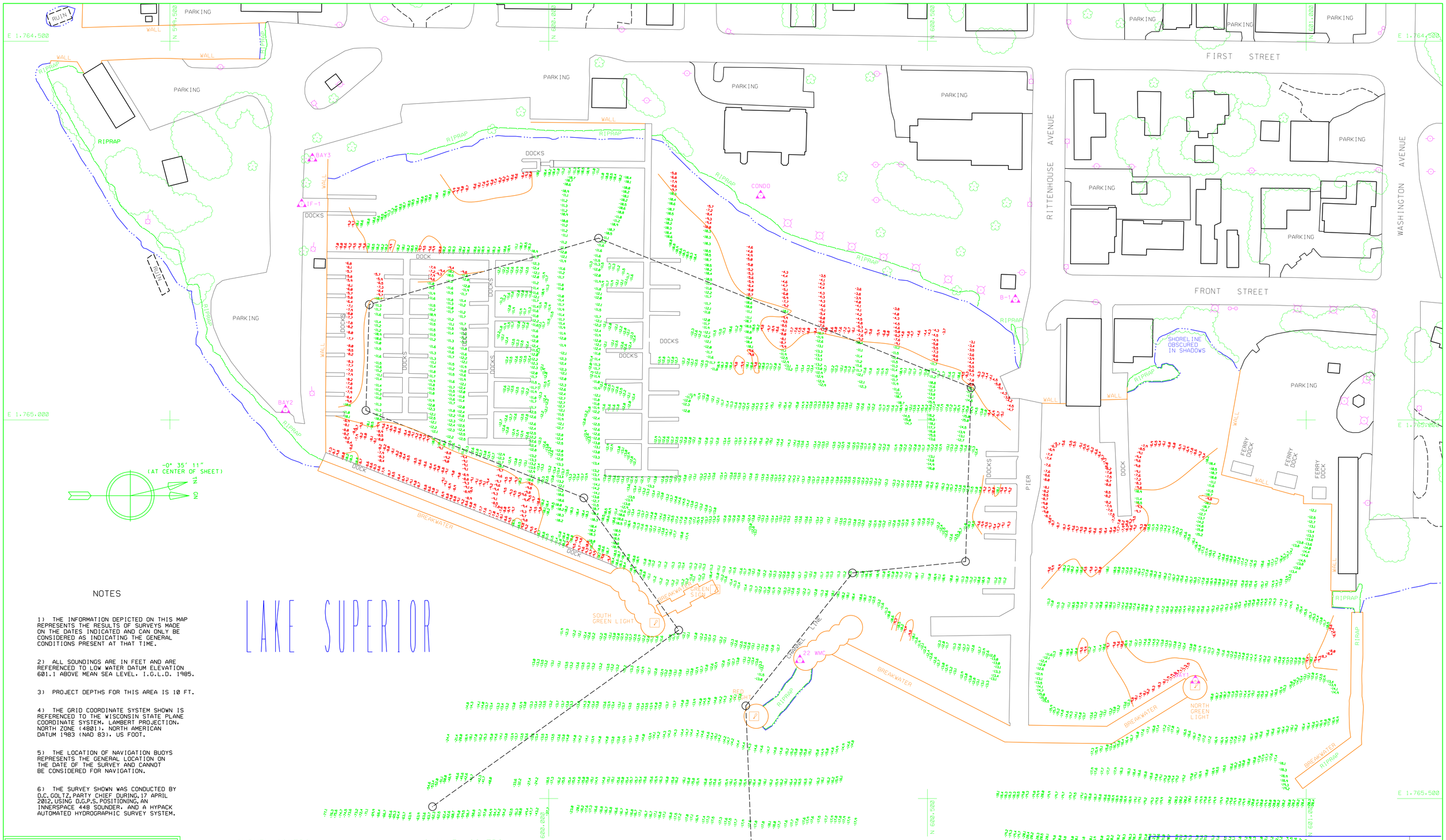


LAKE SUPERIOR

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.

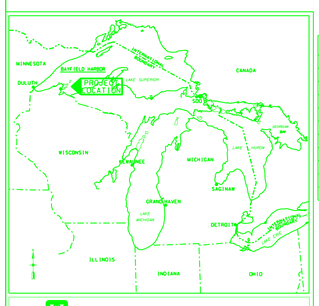
2) ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION 601.1 ABOVE MEAN SEA LEVEL, I.G.L.D. 1985.

3) PROJECT DEPTHS FOR THIS AREA IS 10 FT.

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 D.C. GOLTZ, PARTY CHIEF DURING 17 APRIL 2012, USING D.G.P.S. POSITIONING, AN INNERSPACE 448 SOUNDER, AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.



LOCATION MAP

SURVEY CONTROL

STA.	DESCRIPTION	COORDINATES NORTHING	COORDINATES EASTING
22 WMC	BRASS DISK	600331.63	1765317.01
B-1	BRASS PLUG	600616.06	1764841.17
BAY1	BRASS DISK	600853.69	1765344.01
BAY2	BRASS DISK	599652.52	1764986.98
BAY3	BRASS DISK	599688.04	1764654.75
CONDO	ALUM CAP	600279.78	1764703.62
IF-1	ALUM CAP	599673.89	1764714.90
NAV. AID	N.GREEN LT.	600852.29	1765353.76
NAV. AID	RED LIGHT	600270.94	1765393.91
NAV. AID	S.GREEN LT.	600139.61	1765278.52
NAV. AID	GREEN SIGN	600219.59	1765226.40

CHANNEL CONTROL

DESCRIPTION	COORDINATES NORTHING	COORDINATES EASTING
POINT 402	599758.7	1764987.5
POINT 403	599763.2	1764847.6
POINT 404	600065.8	1764760.0
POINT 405	600557.7	1764957.2
POINT 406	600550.3	1765187.0
POINT 407	600401.0	1765202.0
POINT 408	600260.2	1765377.5
POINT 408A	600272.1	1765677.3
POINT 409	600171.7	1765277.6
POINT 409A	599846.6	1765510.7
POINT 410	600046.4	1765102.9

COMBINED GRID SCALE FACTOR = 1.00000817
GRID DIST. DIVIDED BY COMBINED GRID SCALE FACTOR = GROUND DIST.

50 0 50 100 150
1" = 50'

HORIZONTAL DATUM BASED ON WISCONSIN STATE PLANE COORDINATE SYSTEM, WISCONSIN LAMBERT PROJECTION, NORTH ZONE, NORTH AMERICAN DATUM 1983 (NAD 83).

LEGEND

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

REVISION	BY

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

BAYFIELD HARBOR
WISCONSIN
CONDITION SURVEY - APRIL 2012

DULUTH AREA OFFICE — DULUTH, MN

DESIGNED BY:
DRAWN BY:
CHECKED BY:
REVIEWED BY:
SUBMITTED BY: P.E.
CHIEF OTS BRANCH
APPROVAL RECOMMENDED: P.E. DATE
CHIEF, OTS BRANCH
APPROVED:
LTC. C.E. DISTRICT ENGINEER
SCALE AS SHOWN 1 " = 50 '
CADD FILE NAME
DRAWING NUMBER
SHEET 1 OF 1

BAYF7570/33