



AREA AREA 2119

SCALE IN FEET

100 200 300 400 500

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 60LI ABOVE MEAN SEA LEVEL, I.G.L.D.1985.
- 3) PROJECT DEPTHS FOR THIS AREA ARE 27'
- 4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MINNESOTA STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE (2281), 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 GOLIZ & RAY FRANA DURING 12 OCT., 2012, USING D.G.P.S. POSITIONING, ODOM CV300 SOUNDER, AND HYPACK HYDROGRAPHIC SURVEY SOFTWARE.

Legend

- horizontal control point
- dredging limit turning point
- channel line turning point
- channel line
- dredging limit
- shoreline
- project depth contour

NO.	DATE	REVISION	BY

DESIGNED BY: *
 DRAWN BY: *
 CHECKED BY: *
 REVIEWED BY: *
 SUBMITTED BY: *
 CHIEF, PROJ., OPS., SEC. APPROVED: *
 CHIEF, CONST., OPS., DIVN. APPROVED: *

**CORPS OF ENGINEERS
 DETROIT, MICHIGAN**

**DULUTH-SUPERIOR HARBOR
 MINNESOTA-WISCONSIN**

CONDITION SURVEY - OCTOBER 2012

DULUTH AREA OFFICE DULUTH, MN

APPROVAL RECOMMENDED: * DATE: *
 CHIEF, OPS. BRANCH

SCALE AS SHOWN 1" = 100'
 CADD FILE NAME DS_21C_2012.B.ggn DRAWING NUMBER
 SHEET 1 OF 3