



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 661.1 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 GOLTZ, PARTY CHIEF DURING 31 JULY, 2003, USING D.G.P.S., POSITIONING, AN LINESPACE 448 SUNDER, AND A HYDRA AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

LEGEND

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

SCALE IN FEET

100 200 300 400 500

NO.	DATE	REVISION	BY

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

DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
REVIEWED BY: _____

PROJECT: DULUTH-SUPERIOR HARBOR
MINNESOTA-WISCONSIN
CONDITION SURVEY - JULY 2003

OFFICE: DULUTH AREA OFFICE
LOCATION: DULUTH, MN

DATE: _____
SCALE AS SHOWN 1" = 100'
CADD FILE NAME: 0415C03.DGN
DRAWING NUMBER: _____

SHEET 1 OF 1