



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 27'
- 4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MINNESOTA STATE PLANE COORDINATE SYSTEM LAMBERTY PROJECTION, NORTH ZONE (2281), NORTH AMERICAN DATUM 1983 (NAD 83), US FOOT.
- 5) THE LOCATION OF NAVIGATION BUDYS REPRESENTS THE GENERAL LOCATION ON THE DATE OF THE SURVEY AND CANNOT BE CONSIDERED FOR NAVIGATION.
- 6) THE SURVEY SHOWN WAS CONDUCTED BY D.L. GOLTZ, PARTY CHIEF DURING 26 JULY, 2012, USING DGPS POSITIONING, AN ODOM C13 SOUNDER, AND A HYPERACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

** NOTES **

SF = Baseline Stationing for Superior Front Baseline
 Baseline

SCALE IN FEET

100 0 100 200 300 400 500

legend

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

AFTER DREDGING SURVEY AREA

NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
DESIGNED BY:	DULUTH-SUPERIOR HARBOR MINNESOTA-WISCONSIN CONDITION SURVEY -JULY 2012 DULUTH AREA OFFICE DULUTH, MN		
DRAWN BY:			
CHECKED BY:			
REVIEWED BY:			
SUBMITTED BY:			
APPROVED BY:	APPROVAL RECOMMENDED:	DATE:	
CHIEF, PROJ. OPNS. SEC.	CHIEF, OTC BRANCH		
CHIEF, CONST. OPNS. DIVN.			
SCALE AS SHOWN 1" = 100'		DRAWING NUMBER	
CADD FILE NAME DS_OSC_2012.dgn		SHEET 1 OF 1	