



**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.C.L.D. 1985.
- 3) PROJECT DEPTHS FOR THIS AREA ARE 23'
- 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 D.C. GOLTZ, PARTY CHIEF DURING 19 OCT., 2011, USING D.G.P.S. POSITIONING, AN INTERSPACE 448 SOUNDER, AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

\*\* NOTES \*\*

SC - Baseline Stationing for South Channel Baseline

**LEGEND**

- HORIZONTAL CONTROL POINT
- DREDGING LIMIT TURNING POINT
- CHANNEL LINE TURNING POINT
- CHANNEL LINE
- DREDGING LIMIT
- SHORELINE
- PROJECT DEPTH CONTOUR

SCALE IN FEET

AREA 29

NO.	DATE	REVISION	BY
U. S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
<b>DULUTH-SUPERIOR HARBOR MINNESOTA-WISCONSIN CONDITION SURVEY -OCTOBER 2011</b>			
DESIGNED BY:*	DULUTH AREA OFFICE DULUTH, MN		
DRAWN BY:*			
CHECKED BY:*			
REVIEWED BY:*			
SUBMITTED BY:*	APPROVAL RECOMMENDED:*		
APPROVED:*	P.E.	DATE	
CHIEF, PROJ. OPNS. SEC.	CHIEF, DTS BRANCH		
CHIEF, CONST.-OPNS. DIVN.	P.E.		
* AS REQUIRED BY ENGINEERING CIRCULAR 1110-1-761		SCALE AS SHOWN 1" = 100'	
		CADD FILE NAME: DS29C11.DGN	DRAWING NUMBER
		SHEET: 1 OF 1	