



**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 681.1 ABOVE MEAN SEA LEVEL, I.G.L.D. 1985.

3) PROJECT DEPTHS FOR THIS AREA ARE 8' & 12'

4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE (2111), 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, 13 JUNE 2007, USING D.G.P.S. POSITIONING, AN INERSPACE 448 SOUNDER, AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

7) THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING CHARTS AND ARE OUTDATED AND INACCURATE.

NAME	DESCRIPTION	NORTHING	EASTING
1	CHANNEL BOUNDARY	702335.75592	25481373.23555
2	CHANNEL BOUNDARY	702220.87138	25481566.69090
3	CHANNEL BOUNDARY	702135.83078	25481658.29953
4	CHANNEL BOUNDARY	701826.57945	25481416.38493
5	CHANNEL BOUNDARY	701595.53361	25481338.18952
6	CHANNEL BOUNDARY	701587.10721	25481498.35367
7	CHANNEL BOUNDARY	701385.36205	25481674.30934
8	CHANNEL BOUNDARY	701348.20717	25481911.41588
9	CHANNEL BOUNDARY	701219.77726	25481893.28375
10	CHANNEL BOUNDARY	701244.99582	25481730.39703
11	CHANNEL BOUNDARY	701632.59198	25481392.35488
12	CHANNEL BOUNDARY	701802.66890	25481233.47738
13	CHANNEL BOUNDARY	702168.59467	25481458.88503
14	CHANNEL BOUNDARY	702249.77497	25481322.17562
14	CHANNEL BOUNDARY	702776.04612	25481440.86013
144	CHANNEL BOUNDARY	702146.50305	25480831.71060
BRH-5	SURVEY CONTROL	701670.53403	25481662.17282
BRH-6	SURVEY CONTROL	701670.57467	25481637.09887

SCALE IN FEET

**LEGEND**

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

NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
<b>BLACK RIVER HARBOR MICHIGAN</b>			
<b>CONDITION SURVEY - JUNE 2007</b>			
DESIGNED BY:*	DULUTH AREA OFFICE DULUTH, MN		
DRAWN BY:*			
CHECKED BY:*			
REVIEWED BY:*			
SUBMITTED BY:*	APPROVAL RECOMMENDED:*		
CHIEF, PROJ. OPNS. SEC.	CHIEF, OTS BRANCH	DATE	
APPROVED:*	SCALE AS SHOWN 1" = 50'		
CHIEF, CONST. OPNS. DIV.	CADD FILE NAME: BLKRVRCOT.DGN		
* AS REQUIRED BY ENGINEERING CIRCULAR 1110-1-761			DRAWING NUMBER
			SHEET ___ OF ___