

**WATER LEVEL / GAGE INFORMATION**  
 Water level elevations (gages) obtained during the survey were from TBM STEEL CORNER. SEE SHEET 2 OF 4 FOR LOCATION. TBM was established from NGS vertical control point BM RANGE (PID 0K021).

**LEGEND**  
 The information depicted on this map represents the results of the survey made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

**LOW WATER DATUM**  
 All depths and project depths are referred to Low Water Datum elevation 577.5 Ft. above Mean Water Level, I.G.L.D. 1985.

**GRID COORDINATES**  
 Grids shown are based on the National Geodetic Survey Projection Tables, State of Michigan, Central Zone (2121), Lambert Projection, 1983 North American Datum, US SURVEY FOOT.

**Navigation Buoys**  
 Location of navigation buoys represents that general location on the date of the survey and cannot be considered for navigation.

**Project Information**  
 Project Depth - AS NOTED  
 18.5 Ft. contour shown thus - - - - -  
 21.0 Ft. contour shown thus - - - - -

**Survey Information**  
 Survey by R. DELESTOWICZ  
 Date of survey 10. 11 June 2008  
 Position system Starlink 2120 DGPS via Coast Guard System  
 Sounding transducer Intergraph 448  
 Transducer 208 KHZ with 8.0 degree beam angle

CENTERLINE TURNING POINTS			
STATION	EAST	NORTH	
POL1 0+00	19.660.231.62	853.433.91	
POL2 0+90.41	19.660.182.64	853.357.91	
3 29+90.46	19.658.611.73	850.920.18	

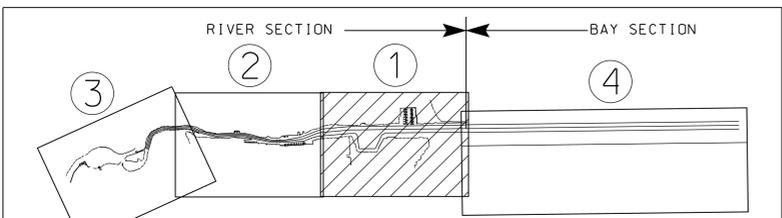
CONTROL POINTS (G.P.S.)			
STATION	EAST	NORTH	
DAYRL-2	19.659.880.64	852.420.51	
USBL 3	19.658.817.58	850.809.69	

CHANNEL LIMITS TURNING POINTS			
STATION	EAST	NORTH	
1	19.660.320.87	853.387.80	
2	19.660.152.75	853.496.13	
3	19.660.258.29	853.309.16	
4	19.660.106.99	853.406.67	
5	19.658.687.12	850.870.34	
6	19.658.534.17	850.965.96	

TURNING BASIN TURNING POINTS			
STATION	EAST	NORTH	
1	19.659.188.45	851.648.97	
2	19.659.175.30	851.541.48	
3	19.659.378.26	851.204.24	
4	19.659.148.32	850.852.19	
5	19.658.830.94	851.009.42	
6	19.658.768.62	850.997.48	

NAVIGATIONAL AIDES			
STATION	EAST	NORTH	
ENTRANCE LIGHT (L.L.11070)	19.660.094.1	853.522.5	
NAVIGATIONAL AIDE NO. 1	19.659.717.3	852.951.7	

CONTROL POINTS (CORPSON)			
STATION	EAST	NORTH	
10	19.658.947.19	852.767.92	
11	19.659.335.20	851.602.87	
12	19.659.570.91	851.120.71	
16	19.656.579.75	846.070.61	
17	19.656.561.06	845.122.34	
BILL	19.659.502.04	851.212.76	
DAYRL	19.659.838.20	852.394.92	
DOCK	19.659.306.74	851.570.71	
DUNCAN	19.663.856.50	851.924.91	
GULF	19.658.476.55	850.283.15	
MICHELE	19.659.728.32	852.971.81	
P/L COR. S.E.	19.658.995.73	851.858.55	
P/L COR. S.W.	19.658.644.78	852.085.94	
RWTP 2	19.659.149.50	850.663.20	



INDEX TO SHEETS  
 CHEBOYGAN HARBOR

NO.		DATE	REVISION	BY
<b>U.S. ARMY ENGINEER DISTRICT, DETROIT</b> <b>CORPS OF ENGINEERS</b> <b>DETROIT, MICHIGAN</b>				
DESIGNED BY:	R. DELESTOWICZ			
DRAWN BY:	R. DELESTOWICZ			
CHECKED BY:	R. DELESTOWICZ			
REVIEWED BY:	R. DELESTOWICZ			
SUBMITTED BY:	R. DELESTOWICZ			
APPROVED:	APPROVAL RECOMMENDED: _____ DATE _____ CHIEF, PRODUCTION SEC. CHIEF, OPERATIONS & MAINTENANCE BR			
CHIEF, CONSTRUCTION-OPERATIONS DIVISION		SCALE: 1 INCH = 100 FT. CADD FILE NAME: _____ DRAWING NUMBER: CH0108C.DGN SHEET 1 OF 4		