

WATER LEVEL / GAGE INFORMATION
 Water level elevations (ages) obtained during the survey were from TBM STEAL CORNER. SEE SHEET 2 OF 4 FOR LOCATION. TBM was established from NGS vertical control point BM RANGE (PID 00021).

LEGEND
 The information depicted on this map represents the results of the surveys 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
 8.5 Ft. contour shown thus

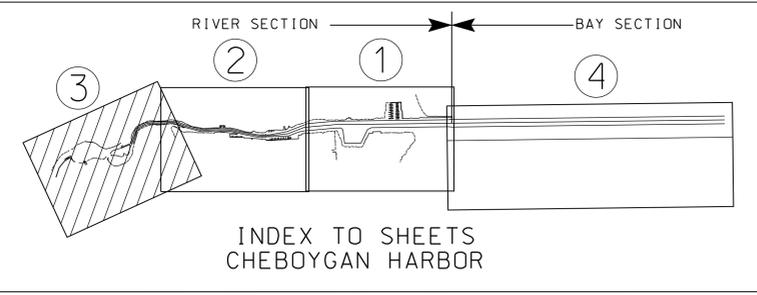
Survey Information
 Survey by: R. DELESTOWICZ
 Date of survey: 10, 11 June 2008
 Position system: Starlink DGPS via Coast Guard System
 Sounding: Sonic sounder
 Transducer: InterSpace 488 208 KNZ with 8.0 degree beam angle

CHANNEL LIMITS TURNING POINTS		
STATION	EAST	NORTH
31	19.656.080.49	847.113.93
32	19.656.030.67	847.147.54
33	19.655.995.51	847.002.56
34	19.655.943.59	847.033.42
35	19.655.960.37	846.924.04
36	19.655.881.42	846.894.51
37	19.655.934.16	846.828.75
38	19.655.855.99	846.676.65
39	19.655.917.00	846.681.80
40	19.655.892.42	846.552.20
41	19.655.946.56	846.580.82
42	19.656.120.71	846.274.41
43	19.656.167.06	846.312.50

CONTROL POINTS (CORPSON)		
STATION	EAST	NORTH
16	19.656.579.75	846.070.61
17	19.656.561.06	845.122.34
CHEB.#1	19.656.266.23	847.360.40
CHEB.#2	19.656.050.03	847.003.60
CHEB.#3	19.655.983.04	846.774.11
CHEB.#4	19.655.963.38	846.654.01
CHEB.#5	19.656.003.33	846.563.13
CHEB.#6	19.656.193.80	846.316.16

CONTROL POINTS (G.P.S.)		
STATION	EAST	NORTH
CHEB.#7	19.656.233.01	846.335.90

CENTERLINE TURNING POINTS		
STATION	EAST	NORTH
14	76+52.37	19.656.055.58 847.130.74
15	77+94.19	19.655.969.55 847.017.99
16	79+38.29	19.655.910.69 846.886.46
17	81+46.93	19.655.886.50 846.679.23
18	82+64.38	19.655.919.49 846.566.51
19	86+17.81	19.656.143.89 846.293.46



NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
DESIGNED BY:	CHEBOYGAN HARBOR, MI. RIVER SECTION CONDITION 10, 11 June 2008 SAGINAW FIELD OFFICE		
DRAWN BY:			
CHECKED BY:			
REVIEWED BY:			
SUBMITTED BY:	APPROVAL RECOMMENDED:	DATE	
CHIEF, PROJ. OPS. SEC.	CHIEF, OPERATIONS & MAINTENANCE BR		
APPROVED:	SCALE: 1 INCH = 100 FT.		DRAWING NUMBER
CHIEF, CONSTRUCTION OPERATIONS DIVISION		CHV-0308c.dgn	
		SHEET 3 OF 4	