



- NOTES:**
- GAGES USED WERE TAKEN FROM CHISELED MARK ON SEA WALL WHICH IS 6.0 FT. ABOVE L.W.D. 577.5 LOCATED NEAR THE N.E. CORNER OF THE REST ROOMS NEXT TO THE MARINA'S PARKING AREA THE MARK BEING REFERENCED FROM BENCH MARK "JAM2" ALSO LOCATED NEAR THE MARK ON THE SEA WALL.
 - POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838, LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 319 KHZ, 200 BPS
 - TRANSDUCER FREQUENCY USED TO MEASURE DEPTH DATA WAS 208 KHZ AND THE BEAM ANGLE WAS 8.0 DEGREES.

AIDS TO NAVIGATION		
DESCRIPTION	COORDINATES	
	NORTH	EAST
R "6"	650.305	13.614.012
C "5"	649.466	13.614.082

SURVEY CONTROL DATA			
STATION NUMBER	COORDINATES		
	NORTH	EAST	ELEV.
ZTP	649.193.52	13.614.403.27	587.89
E. BRK L.L.	649.196.11	13.614.404.65	
EPI SCOPAL CH. SP	648.163.17	13.612.201.14	
MUN. BLDG. BELFRY	650.000.92	13.612.233.59	
TANK	649.981.21	13.610.527.31	
W. BRK L.L.	649.497.75	13.614.211.45	
DA	650.283.30	13.614.358.58	587.92
DAY	650.388.26	13.613.967.73	588.14
DDO	649.524.03	13.614.450.70	587.76
BM JAM-2			582.866
S-32 (1934)			621.155

CHANNEL CONTROL DATA			
STATION NUMBER	DESCRIPTION	COORDINATES	
		NORTH	EAST
1	CHANNEL L LINE	648.994.569	13.614.375.824
2	CHANNEL L LINE	649.121.783	13.614.177.855
3	CHANNEL L LINE	649.226.394	13.614.201.452
4	CHANNEL L LINE	649.492.423	13.614.261.458
5	CHANNEL L LINE	649.540.945	13.614.239.736
6	CHANNEL L LINE	649.542.472	13.614.186.598
7	CHANNEL L LINE	649.512.793	13.614.129.727
8	CHANNEL L LINE	650.294.088	13.614.034.857
9	CHANNEL L LINE	650.276.995	13.614.284.743
10	CHANNEL L LINE	649.631.432	13.614.357.061
11	CHANNEL L LINE	649.526.443	13.614.369.809
12	CHANNEL L LINE	649.209.006	13.614.325.187
13	CHANNEL L LINE	649.149.732	13.614.340.515
14	CHANNEL L LINE	649.118.658	13.614.393.266

LEGEND

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 AT THE TIME.

LOW WATER DATUM

ELEVATIONS AND PROJECT DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM, (1985) WHEN LAKE HURON IS AT ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL.

GRID COORDINATES

GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, SOUTH ZONE (2113), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM, US SURVEY FEET.

DIRECTIONS

ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.

PROJECT DEPTHS

PROJECT DEPTHS ARE AS INDICATED ABOVE.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY RICK DELESTOWICZ, PARTY CHIEF, ABOARD THE USA COE SURVEY LAUNCH SEA ARK.

AUTOMATED EQUIPMENT USED

POSITIONING: TRIMBLE DSM-232
 DATA PROCESSOR: PANASONIC CF-50
 SOFTWARE: COASTAL OCEANOGRAPHICS
 PLOTTER: ENCAD, CADJET 2
 SONIC SOUNDER: INNERSPACE 456

NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
DESIGNED BY:*	LEXINGTON HARBOR, MI CONDITION SOUNDINGS C.S. 0+00 TO C.S. 16+00 18 JULY, 2007 DETROIT AREA OFFICE		
DRAWN BY:*			
CHECKED BY:*			
REVIEWED BY:*			
SUBMITTED BY:*	APPROVAL RECOMMENDED:*		
CHIEF, PROJ. - OPNS. SECT	CHIEF, OPS BRANCH		
APPROVED:*	SCALE AS SHOWN		LYM01494.DGN
CHIEF, CONST - OPNS DIVISION	CADD FILE NAME		DRAWING NUMBER
			lex0107c.dgn
			SHEET 1 OF 1