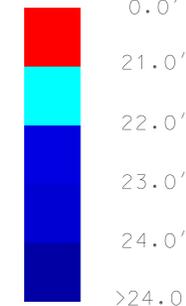


21 FT. PROJECT DEPTH
 21 FT. CONTOUR SHOWN THUS:
 CHANNEL LIMITS SHOWN THUS:

SURVEYED ON : 13 JUNE 2016
 POSITIONING METHOD: DGPS, USING C.G. BEACON CORRECTIONS
 VESSEL: LAUNCH 3033

21' LEGEND



CHANNEL LINE T.P.

T.P.	EAST X	NORTH Y
0	12,644,817.99	471,021.15

LAKE MACATAWA

ALL SOUNDINGS ARE REFERENCED TO I.G.L.D. 1985 FOR LAKE MICHIGAN, ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL AT RIMOUSKI, QUEBEC. HYDRAULIC CORRECTOR OF 0.3 FT. APPLIED.

GRID SYSTEM BASED ON LAMBERT PROJECTION, MICHIGAN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (2113) 1983 NORTH AMERICAN DATUM, U.S. SURVEY FOOT.

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 EXISTING AT THAT TIME.

VERTICAL WATER LEVEL READINGS WERE TAKEN FROM A FIXED GAUGE MARK ALONG THE SHEET STEEL WALL NEAR CROSS SECTION 290+00E IN HOLLAND HARBOR, MI.

NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
DRAWN BY	HOLLAND HARBOR, MICHIGAN CONDITION OF CHANNEL JUNE 2016 GRAND HAVEN AREA OFFICE		
DESIGNED BY			
CHECKED BY			
REVIEWED:			
SUBMITTED:			
APPROVED:	APPROVAL RECOMMENDED:	DATE	
CHEF, PROJ. OPERS. SEC.	CHEF, OTS' BRANCH		
SCALE 1" = 100'		DRAWING NUMBER	
P.E.		SHEET 6 OF 9	
CHIEF, CONST. & OPNS. DIVISION			



DATE OF PHOTOGRAPHY
19 JULY 1992



ROSEWOOD

GRID SCALE FACTOR: 0.99998858
 GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.



N 472,000

N 473,000

MATCH SHEET 5

MATCH SHEET 6

E 12,645,000

E 12,646,000

E 12,645,000

N 473,000

E 12,646,000

E 12,647,000

C.S. 200+00

N 471,000

E 12,647,000