

CHANNEL LINE COORDINATES		
POINT	EASTING	NORTHING
CLL62	12.674.555.69	562.809.01
CLP62	12.674.527.44	562.767.57
CLR62	12.674.499.19	562.726.14
CLL63	12.675.133.53	562.346.51
CLP63	12.675.104.53	562.305.68
CLR63	12.675.075.53	562.264.85
CLL64	12.676.023.01	561.788.57
CLP64	12.676.000.00	561.743.98
CLR64	12.675.976.99	561.699.39
CLL65	12.677.153.49	561.320.66
CLP65	12.677.134.70	561.274.33
CLR65	12.677.115.91	561.227.99
CLL66	12.677.717.23	561.096.83
CLP66	12.677.697.02	561.051.06
CLR66	12.677.676.81	561.005.29
CLL67	12.678.625.66	560.653.92
CLP67	12.678.601.56	560.610.04
CLR67	12.678.577.44	560.566.17
CLL68	12.679.379.98	560.190.01
CLP68	12.679.349.59	560.150.00
CLR68	12.679.319.19	560.109.99
CLL69	12.680.049.37	559.569.10
CLP69	12.680.012.97	559.534.67
CLR69	12.679.976.57	559.500.23
MTP9	12.674.164.02	562.976.59
MTP10	12.680.150.38	559.368.92

SURVEYED ON: 24 SEPTEMBER 2014
 POSITIONING METHOD: DGPS, USING C.G. BEACON CORRECTION
 VESSEL: LAUNCH 3033

PROJECT DEPTH 8 FT.
 CHANNEL LIMITS SHOWN THUS: -----
 8 FT. CONTOUR SHOWN THUS: -----

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.

ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION AS SHOWN ABOVE MEAN SEA LEVEL I.G.L.D. 1955.

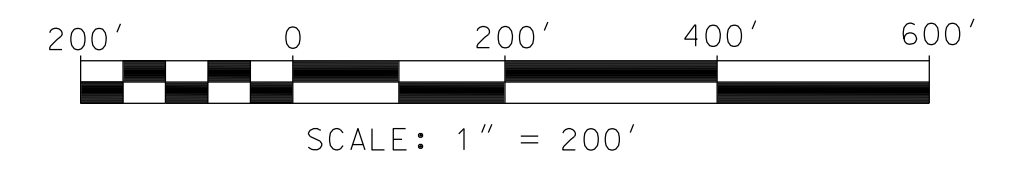
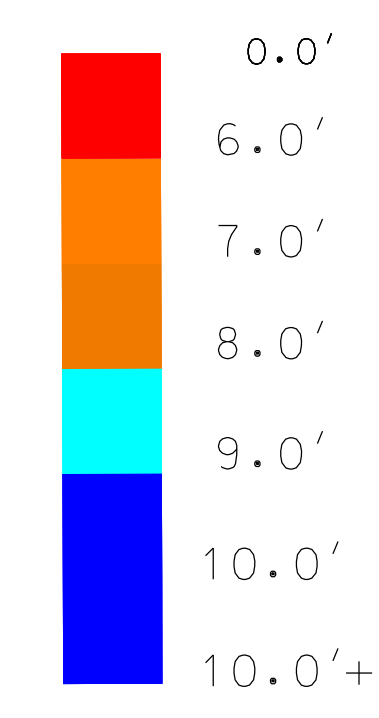
HORIZONTAL GRID SYSTEM IS REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, SOUTH ZONE (2113), NORTH AMERICAN DATUM 1983 (NAD83), US FOOT.

THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING LINE DRAWINGS DATED APRIL 1976 AND ARE OUTDATED AND INACCURATE.

ALL NAD83 GRID AND COORDINATE DATA USED FOR THIS SHEET WERE CONVERTED FROM NAD27 COORDINATES USING CORPSCON VERSION 3.01 SOFTWARE.

VERTICAL WATER LEVEL READINGS WERE TAKEN FROM A FIXED GAGUE MARK ALONG THE SHEET STEEL WALL IN THE GRAND HAVEN GOVERNMENT BASIN.

8' Legend



NO.	DATE	REVISION	BY

U.S. ARMY ENGINEER DISTRICT, DETROIT
CORPS OF ENGINEERS
 DETROIT, MICHIGAN

GRAND RIVER, MICHIGAN
CONDITION OF CHANNEL
 SEPTEMBER 2014
GRAND HAVEN AREA OFFICE

DRAWN BY	DESIGNED BY	CHECKED BY	REVIEWED	SUBMITTED	APPROVAL RECOMMENDED	DATE

APPROVED: _____
 CHIEF, PROJ. OPERS. SEC. CHIEF, OTS BRANCH

SCALE 1" = 200 FT.
 CADD FILENAME: GRCTG14.DGN
 DRAWING NUMBER: _____
 SHEET 30 OF 31