

**CENTERLINE POINTS**

STATION	COORDINATES	
	EAST X	NORTH Y
C/L 1	12,628,587.29	433,877.58
C/L 2	12,629,070.56	434,106.85
C/L 3	12,629,352.60	434,171.53
C/L 4	12,629,526.75	434,135.17
C/L 5	12,629,729.66	434,054.47
C/L 6	12,629,889.29	433,956.05
C/L 7	12,630,130.44	433,774.10
C/L 8	12,630,324.67	433,546.07
C/L 9	12,630,472.06	433,303.97
C/L 10	12,630,620.79	433,040.13
C/L 11	12,630,823.77	432,667.98
C/L 12	12,630,877.64	432,475.53
C/L 13	12,630,871.44	432,203.80

**CHANNEL LINE POINTS**

STATION	COORDINATES	
	EAST X	NORTH Y
B	12,628,586.24	433,827.28
C	12,629,081.04	434,062.01
D	12,629,364.18	434,120.34
E	12,629,514.11	434,091.77
F	12,629,709.39	434,014.11
G	12,629,863.87	433,918.85
H	12,630,099.39	433,741.15
I	12,630,288.10	433,519.62
J	12,630,432.84	433,281.85
K	12,630,581.08	433,018.95
L	12,630,781.81	432,650.93
M	12,630,832.50	432,469.84
N	12,630,826.78	432,209.88
BB	12,628,452.95	433,959.65
CC	12,629,722.02	434,030.77
DD	12,629,051.77	434,187.22
EE	12,629,342.52	434,216.09
FF	12,629,539.39	434,178.57
GG	12,629,749.94	434,094.83
HH	12,629,914.71	433,993.24
II	12,630,161.49	433,807.04
JJ	12,630,361.25	433,572.52
KK	12,630,510.49	433,327.36
LL	12,630,659.79	433,062.60
MM	12,630,865.72	432,685.04
NN	12,630,922.77	432,481.23
OO	12,630,916.56	432,198.93

**SURVEY CONTROL POINTS**

STATION	COORDINATES	
	EAST X	NORTH Y
BROWARD	12,629,039.368	434,323.521
STAIRS	12,630,200.304	433,880.842
P8	12,630,217.108	433,859.454

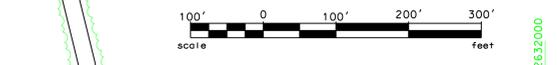
ALL SOUNDINGS ARE REFERENCED TO I.C.L.D. 1985 FOR LAKE MICHIGAN, ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL AT RIMOUSKI, QUEBEC.

GRID SYSTEM BASED ON LAMBERT PROJECTION, MICHIGAN STATE PLANE COORDINATES 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.

SURVEYED ON : 7 MARCH 2013  
 POSITIONING METHOD: DGPS, USING C.G. BEACON CORRECTIONS  
 VESSEL: LAUNCH 3033

PROJECT DEPTH 14 FT.  
 MAINTENANCE DEPTH 12 FT.  
 CHANNEL LIMITS SHOWN THUS: - - - - -  
 12 FT. CONTOUR SHOWN THUS: - - - - -



NO.	DATE	REVISION	BY
<b>U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN</b>			
DESIGNED BY:	<b>SAUGATUCK HARBOR, MICHIGAN CONDITION OF CHANNEL MARCH 2013 GRAND HAVEN AREA OFFICE</b>		
DRAWN BY:			
CHECKED BY:			
REVIEWED BY:			
SUBMITTED BY:	APPROVAL RECOMMENDED:	DATE	
ENTER "PROJ" OPS SEC	ENTER "DTS" BRANCH		
APPROVED:	P.E.		DATE
ENTER "CONST" OPS DIVISION			
SCALE 1"=100'		CADD FILENAME SKC02G12.DGN DRAWING NUMBER	
SHEET 2 OF 4			

DATE OF PHOTOGRAPHY  
3 SEPTEMBER 1997

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