

N 232,000

N 231,000

N 230,000

DATE OF PHOTOGRAPHY  
19 JULY 1992

TISCORNIA

ST. JOSEPH  
YACHT CLUB

ST. JOSEPH  
MARINA

SILVER  
BEACH

WATERFRONT

UPTON

LAKE BLVD.

SHIP STREET

PORT STREET

PLEASANT STREET

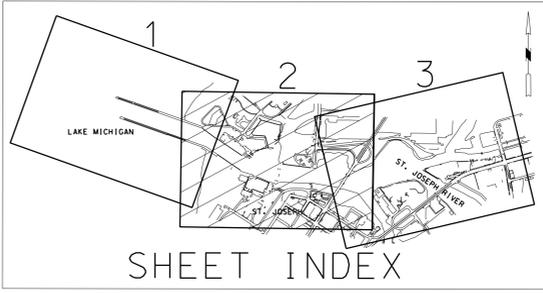
PARKING

CENTER LINE T.P.

T.P.	EAST X	NORTH Y
CL-0	12,547,751.97	231,125.64
CL-1	12,548,527.78	230,590.14
CL-2	12,549,219.39	230,376.50
CL-3	12,550,265.77	230,335.61
CL-4	12,550,488.32	230,337.16
CL-5	12,550,617.08	230,253.70
CL-6	12,551,020.19	230,262.39

CHANNEL LINE T.P.

T.P.	EAST X	NORTH Y
3	12,547,675.98	231,293.11
4	12,547,790.31	230,971.52
5	12,548,556.02	230,686.08
6	12,548,499.53	230,494.21
7	12,549,208.57	230,484.50
8	12,548,828.56	230,359.36
9	12,550,274.71	230,442.84
10	12,549,262.37	230,267.21
11	12,550,506.19	230,367.29
12	12,550,256.82	230,228.37
13	12,550,559.42	230,332.78
14	12,550,407.60	230,295.32
15	12,550,606.81	230,326.50
16	12,550,459.98	230,289.39
17	12,551,066.12	230,387.91
18	12,550,627.35	230,180.90
20	12,550,974.26	230,136.87
PT. A	12,548,973.70	230,328.53
PT. B	12,550,360.36	230,274.34



ALL SOUNDINGS ARE REFERENCED TO I.G.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 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 ON A STEEL PILING IN THE COAST GUARD BASIN NEAR CROSS SECTION 10+00E IN ST. JOSEPH HARBOR, MI.

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



SURVEYED ON: 18 AUGUST 2016  
POSITIONING METHOD: DGPS, USING C. G. BEACON CORRECTION  
VESSEL: LAUNCH 3033

NO.	DATE	REVISION	BY
<b>U.S. ARMY ENGINEER DISTRICT, DETROIT</b> <b>CORPS OF ENGINEERS</b> DETROIT, MICHIGAN			
DRAWN BY	ST. JOSEPH HARBOR, MICHIGAN		
DESIGNED BY	CONDITION OF CHANNEL		
CHECKED BY	AFTER DREDGING		
REVIEWED	AUGUST 2016		
SUBMITTED	GRAND HAVEN AREA OFFICE		
APPROVED	APPROVAL RECOMMENDED:	DATE:	
CHIEF, PROJ. OPS. SEC.	CHIEF, DTS BRANCH		
SCALE 1" = 100'		CADD FILENAME: JHA02G16.DGN	
SHEET 2 OF 3		DRAWING NUMBER	

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