NOTES

1. THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH FOUND IN THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED NOAA GAUGE LOCATED AT DETOUR MICHIGAN (5099). DEPTHS ARE MEASURED USING AN R2SONIC 2024 MULTIBEAM SONAR.

3. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON MAY 25, 2013 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

4. THE LOCATION OF NAVIGATION AIDS REPRESENT THEIR GENERAL LOCATION AND CANNOT BE CONSIDERED FOR NAVIGATION.

4. HORIZONTAL POSITIONING IS DETERMINED USING THE DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS). THE DIFFERENTIAL CORRECTIONS ARE PROVIDED BY U.S. COAST GUARD DIFFERENTIAL BROADCAST STATIONS LOCATED AT PICKFORD, AND CHEBOYGAN MI. SIGNAL STRENGTH IS USED AS THE DETERMINING FACTOR IN DIFFERENTIAL SELECTION.

5. GRID COORDINATES ARE BASED ON THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, MICHIGAN NORTH ZONE (2111), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET. CROSS SECTIONS AND RANGES ARE REFERRED TO COURSE 8 WEST NEEBISH CHANNEL.

6. UNLESS OTHERWISE NOTED PROJECT DEPTH IS 28.0' BELOW LOW WATER DATUM. UNLESS OTHERWISE NOTED MAINTENANCE DEPTH IS 28.5' BELOW LOW WATER DATUM. SHOALING SHOWN REPRESENTS SOUNDINGS ABOVE THE 28.5' MAINTENANCE DEPTH.

N

E 26,993,000

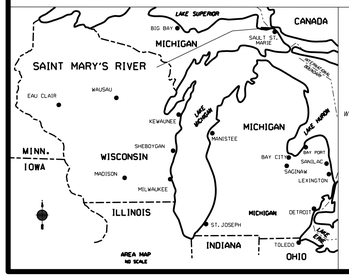
N 516,000

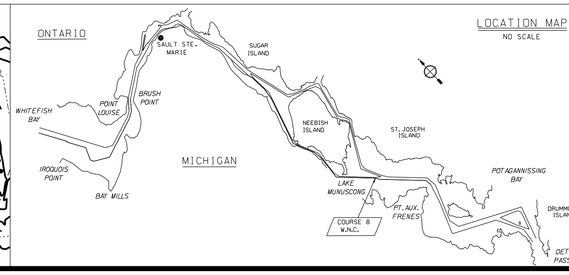
E 25,991,000

N 517,000

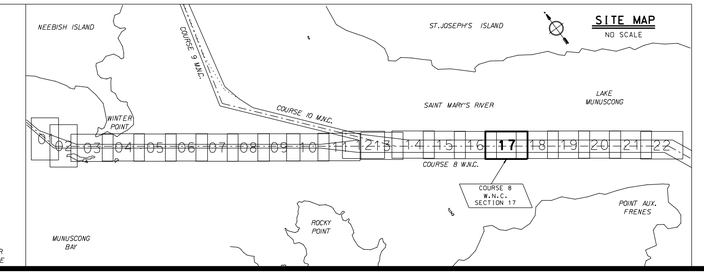
E 26,992,000

N 515,000





LOCATION MAP
NO SCALE



SITE MAP
NO SCALE

LEGEND

0.0'
28.5'
29.5'
30.5'
31.5'
32.5'
33.5'
34.5'
50.0'

FLOW

100' 50' 0 100' 200'

SCALE: 1"=100'

Sheet reference number:

C8W-17

Sheet 17 of 22

US Army Corps of Engineers
Detroit District

No.	Description	Date	Appr.
1	Data Upgrade	5/28/2013	
2	Data Upgrade	6/4/2013	
3	Data Upgrade	6/11/2013	
4	Data Upgrade	6/18/2013	
5	Data Upgrade	6/25/2013	
6	Data Upgrade	7/2/2013	
7	Data Upgrade	7/9/2013	
8	Data Upgrade	7/16/2013	
9	Data Upgrade	7/23/2013	
10	Data Upgrade	7/30/2013	
11	Data Upgrade	8/6/2013	
12	Data Upgrade	8/13/2013	
13	Data Upgrade	8/20/2013	
14	Data Upgrade	8/27/2013	
15	Data Upgrade	9/3/2013	
16	Data Upgrade	9/10/2013	
17	Data Upgrade	9/17/2013	
18	Data Upgrade	9/24/2013	
19	Data Upgrade	10/1/2013	
20	Data Upgrade	10/8/2013	
21	Data Upgrade	10/15/2013	
22	Data Upgrade	10/22/2013	

Survey Date: May 25, 2013
Design File Name: C8W-17.dgn
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Reviewed by: Mgmt
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Final Edit by: Mgmt
Approved: Recommended
Approved by: Chief, Engineering Division

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

SAULT STE. MARIE, MICHIGAN
SAINT MARY'S RIVER
FEDERAL NAVIGATION CHANNEL

COURSE 8 WEST NEEBISH CHANNEL
SURVEY SECTION 17
c.s. 350+00 TO c.s. 375+00
CONDITION SURVEY