NOTES

1. THIS SURVEY INFORMATION IS ACCURATE AS OF THE DATE OF PUBLICATION. HYDROGRAPHIC SURVEY DATA IS SUBJECT TO CHANGE RAPIDLY DUE TO SEVERAL FACTORS INCLUDING BUT NOT LIMITED TO DREDGING ACTIVITY AND NATURAL SHOALING AND SCOURING PROCESSES. THE U.S. ARMY CORPS OF ENGINEERS ACCEPTS NO RESPONSIBILITY FOR CHANGES IN THE HYDROGRAPHICAL CONDITIONS WHICH DEVELOP AFTER THE DATE OF PUBLICATION.

2. THIS INFORMATION IS INTENDED FOR THE INTERNAL USE OF THE U.S. ARMY CORPS OF ENGINEERS AND IS BEING PROVIDED FOR EXTERNAL USE AS A PUBLIC SERVICE. THIS AGENCY ACCEPTS NO RESPONSIBILITY FOR ERRORS OR OMISSIONS CONTAINED IN THIS DATA. THE ACCURACY OF THIS DATA IS THEREFORE NOT GUARANTEED. AND PRUDENT MARINERS SHOULD NOT RELY SOLELY UPON IT.

3. THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH FOUND IN THE 20 FOOT BY 20 FOOT AREA CENTERED AROUND THE TEXT.

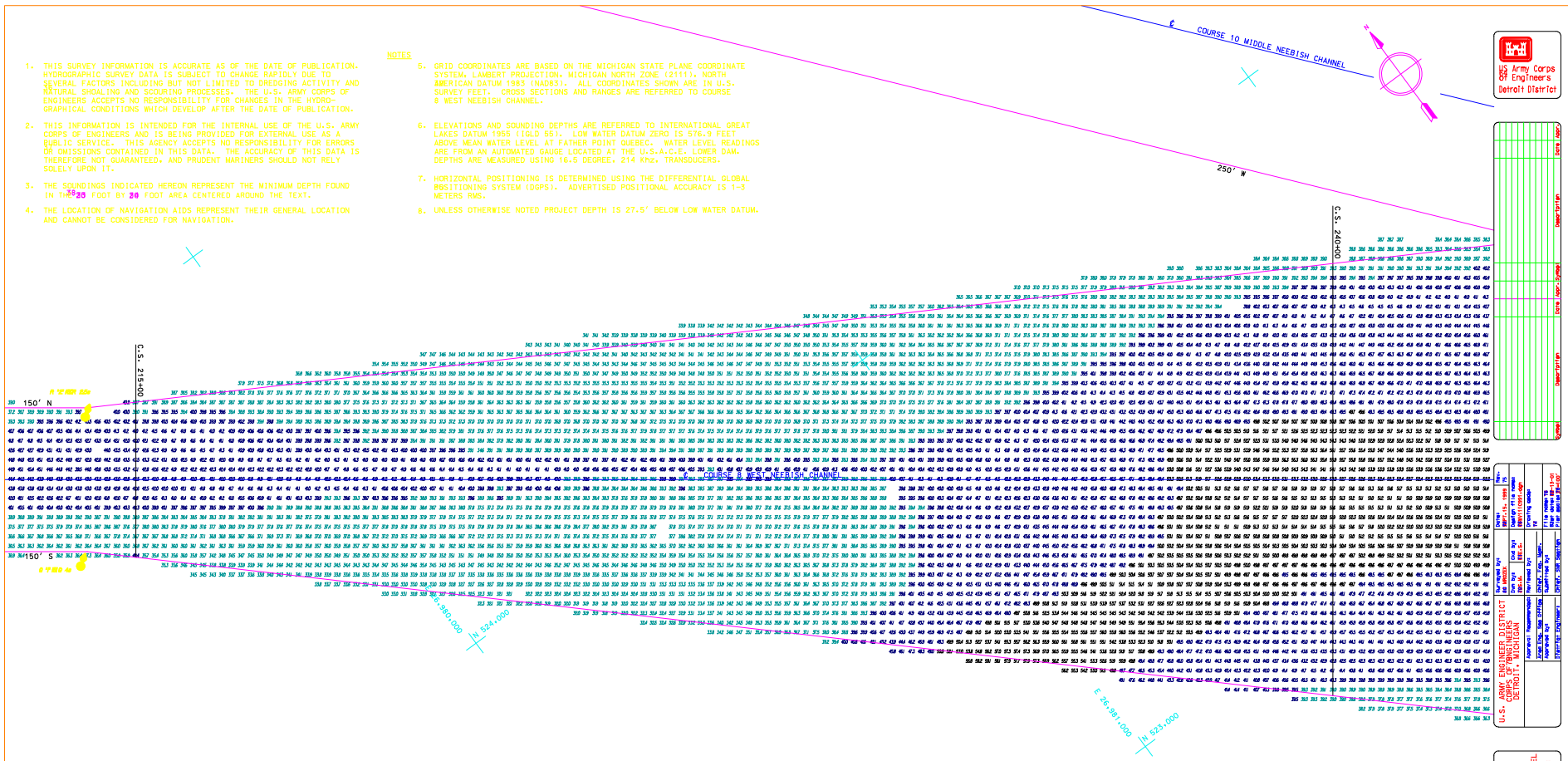
4. THE LOCATION OF NAVIGATION AIDS REPRESENT THEIR GENERAL LOCATION AND CANNOT BE CONSIDERED FOR NAVIGATION.

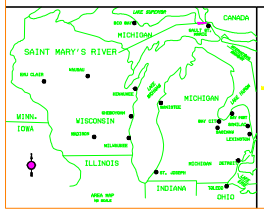
5. GRID COORDINATES ARE BASED ON THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, MICHIGAN NORTH ZONE (2111), NORTH &MERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET. CROSS SECTIONS AND RANGES ARE REFERRED TO COURSE 8 WEST NEEBISH CHANNEL.

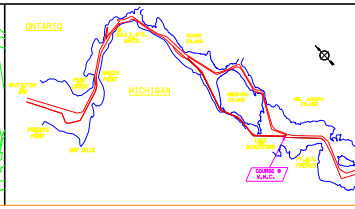
6. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1955 (IGLD 55). LOW WATER DATUM ZERO IS 576.9 FEET ABOVE MEAN WATER LEVEL AT FATHER POINT QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT THE U.S.A.C.E. LOWER DAM. DEPTHS ARE MEASURED USING 16.5 DEGREE, 214 Khz, TRANSDUCERS.

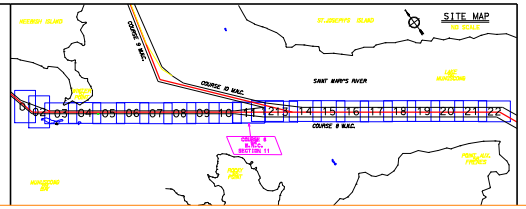
7. HORIZONTAL POSITIONING IS DETERMINED USING THE DIFFERENTIAL GLOBAL BOSITIONING SYSTEM (DGPS). ADVERTISED POSITIONAL ACCURACY IS 1-3 METERS RMS.

8. UNLESS OTHERWISE NOTED PROJECT DEPTH IS 27.5' BELOW LOW WATER DATUM.









LEGEND

0.0 - 27.5	FEET
27.5 - 28.0	FEET
28.0 - 28.5	FEET
28.5 - 29.0	FEET
29.0 - 29.5	FEET
29.5 - 39.5	FEET
39.5 - 49.5	FEET
49.5 - 100.0	FEET

FLOW

100' 50' 0 100' 200'

SCALE: 1"=100'

U.S. Army Corps of Engineers Detroit District

Date	Description
2010	Depth Update
2009	Depth Update
2008	Depth Update
2007	Depth Update

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

Date	MAY-15-1999
Scale	1"=100'
Drawing number	C8W-01
Supervised by	Hydrographic Section
Drawn by	KW
Checked by	
Reviewed by	
Approved by	
Supervisor Engineer	

SOO AREA OFFICE
ALPENA, MICHIGAN
FEDERAL NAVIGATION CHANNEL

COURSE 8 WEST NEEBISH CHANNEL
SURVEY SECTION 1:1
FROM C.S. 240+00
TO C.S. 215+00
MINIMUM DEPTH PLOT

Sheet reference number:
C8W-11
Sheet 65 of 68