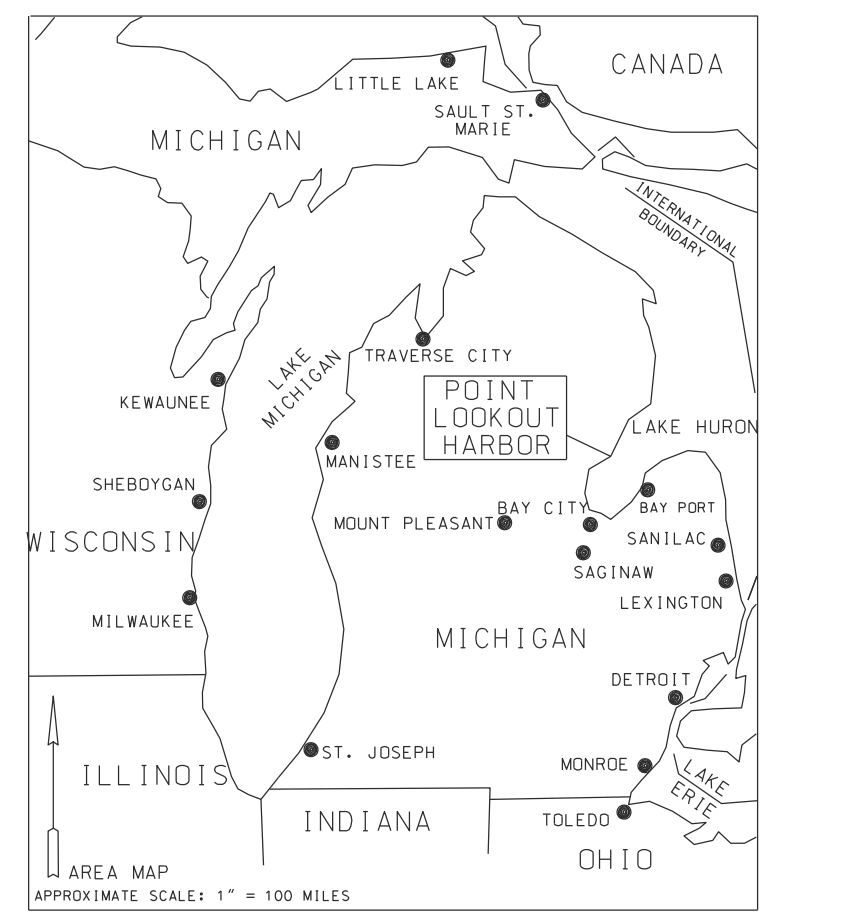
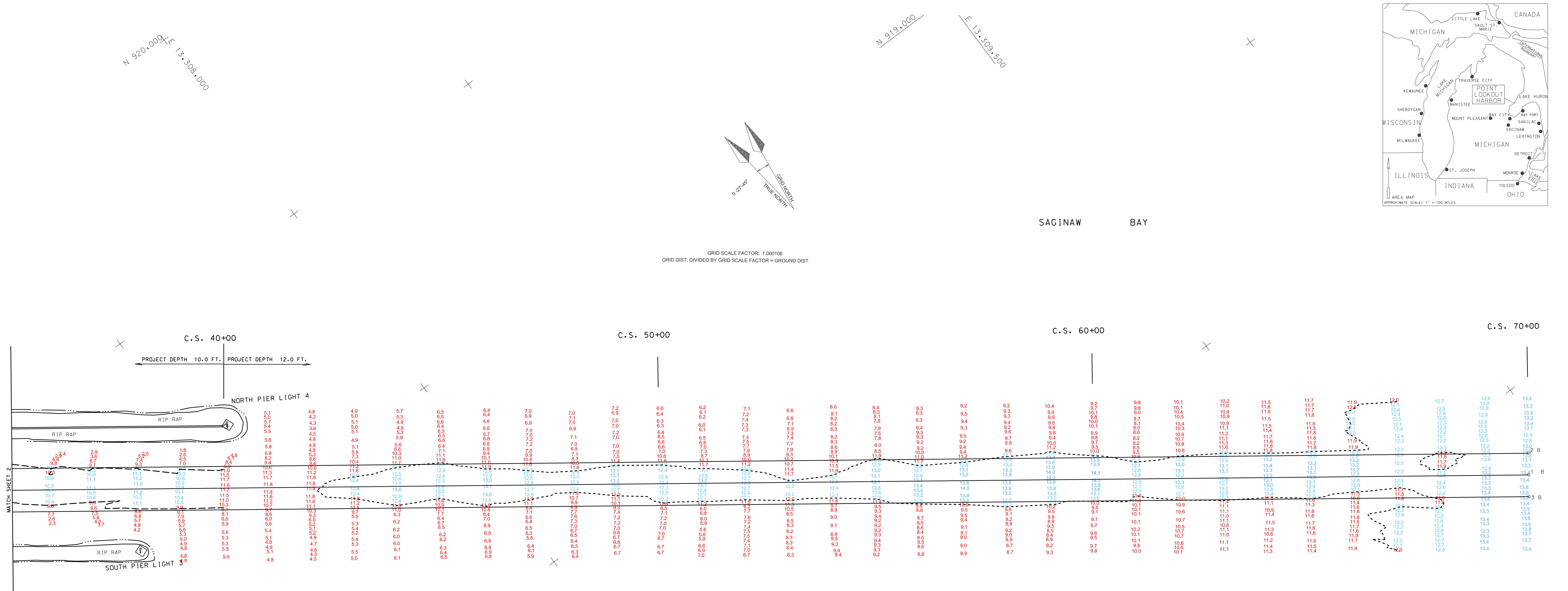
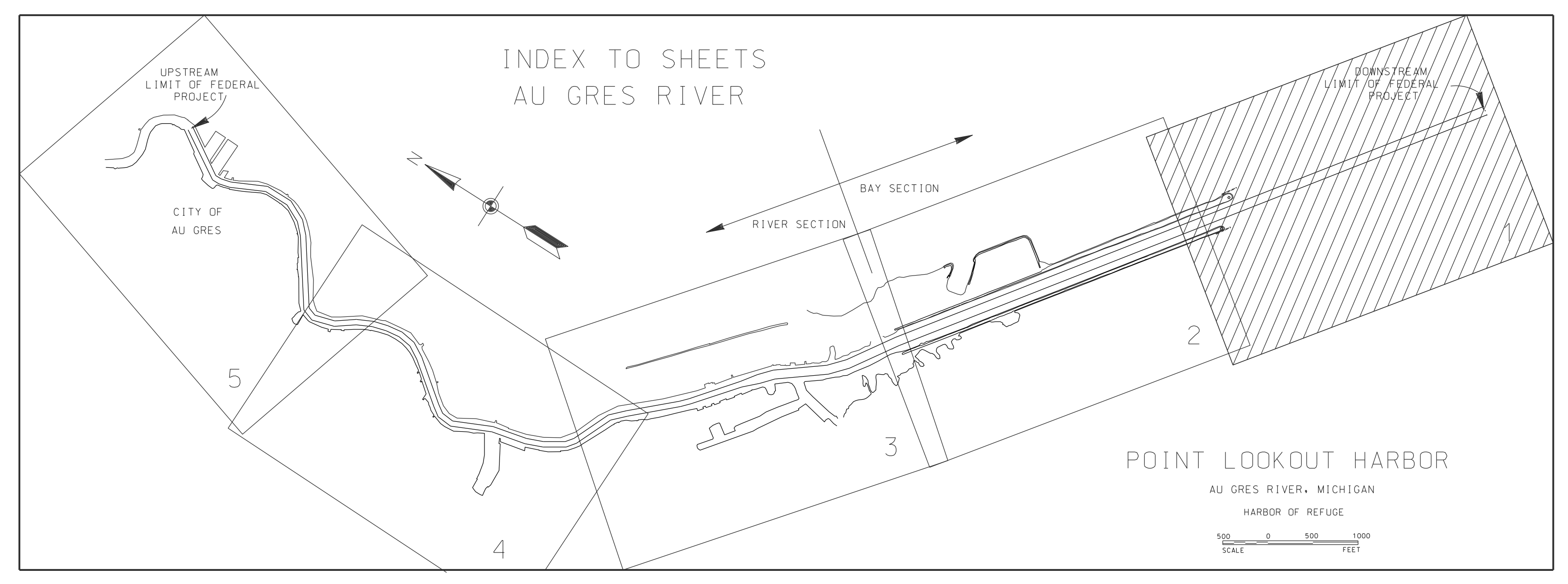


E  
D  
C  
B  
A



GRID SCALE FACTOR: 1.000106  
GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.



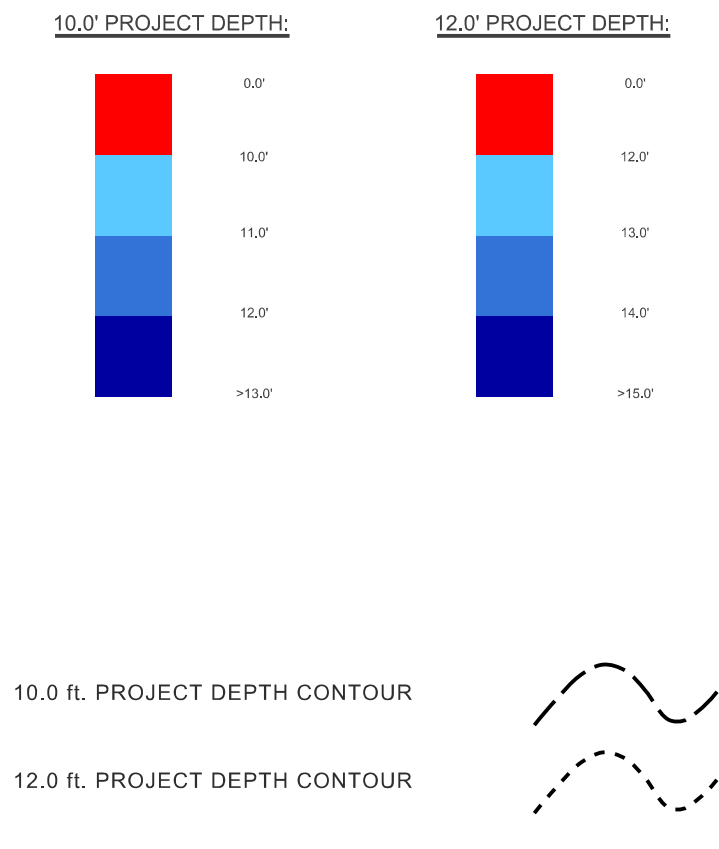
CENTER LINE		
STATION NUMBER	COORDINATES NORTH	COORDINATES EAST
1 B	917,317.97	13,309,917.64

CHANNEL LINE		
STATION NUMBER	COORDINATES NORTH	COORDINATES EAST
2 B	917,358.33	13,309,947.15
3 B	917,277.60	13,309,888.13

NAVIGATIONAL AIDES		
STATION NUMBER	COORDINATES NORTH	COORDINATES EAST
NAV AIDE 1	919,200.35	13,307,583.12
NAV AIDE 2	919,086.74	13,307,249.82

NOTES:

- THE SOUNDINGS AND ASSOCIATED INFORMATION REPRESENTED HEREIN ARE THE RESULT OF SURVEYS MADE ON THE DATE AS INDICATED AND CAN ONLY BE CONSIDERED REPRESENTATIVE OF THE GENERAL CONDITIONS EXISTING AT THE TIME OF SURVEY.
- THE SOUNDINGS DEPICTED HEREIN ARE EXPRESSED IN U.S. SURVEY FEET AND TENTHS THEREOF AND ARE REFERENCED TO THE FOLLOWING DATUMS:  
HORIZONTAL: MICHIGAN STATE PLANE COORDINATE SYSTEM, MICHIGAN SOUTH ZONE #2113, NORTH AMERICAN DATUM (NAD) OF 1983.  
VERTICAL: INTERNATIONAL GREAT LAKES DATUM (IGLD) OF 1985, LWD=577.5  
THE ABOVE SURVEY WAS CONDUCTED USING THE U.S.A.C.E. SURVEY VESSEL BOLTUN EMPLOYING THE FOLLOWING COMPONENTS:  
POSITIONING: APPLANIX POS-MV W/VR-SRTK  
MOTION COMPENSATION: POS-MV MRU  
SONAR: ODOM CV-300  
SOFTWARE: HYPACK 2017
- TIDE CORRECTION VALUES REFERENCED FROM A PAINT MARK ON THE SEAWALL DESCRIBED AS "B.M. STEEL CORNER," LOCATED ON TOP OF A STEEL WALL AND AT THE DOWNSTREAM END OF SAID WALL (SHEET 3), IGLD 85 ELEVATION = 582.18'.



DATE: 25 JUL 2018	DESCRIPTION: POINT LOOKOUT AU GRES, MICHIGAN CONDITION SURVEY
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POINT LOOKOUT  
AU GRES, MICHIGAN  
CONDITION SURVEY  
25 JUL 2018