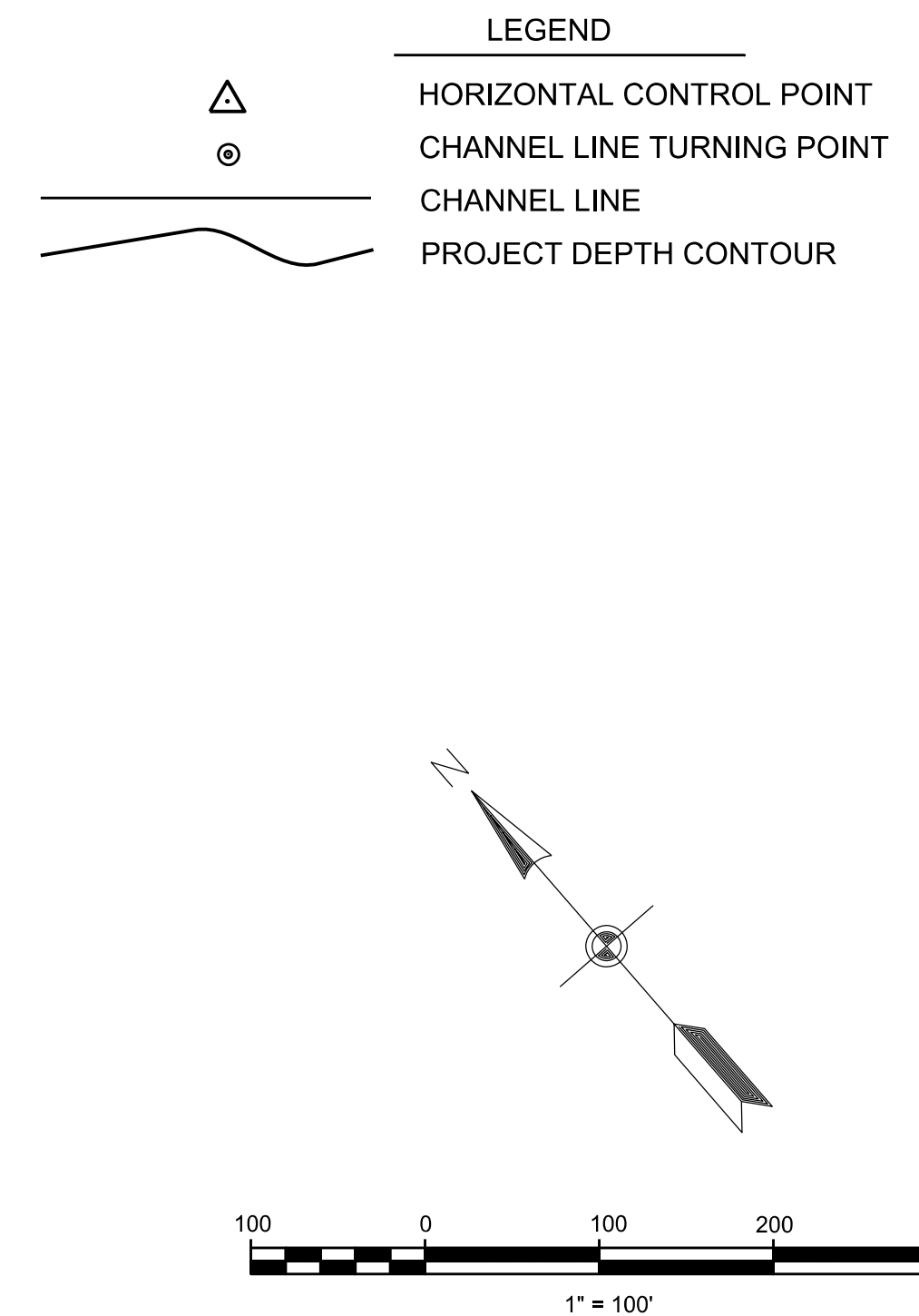
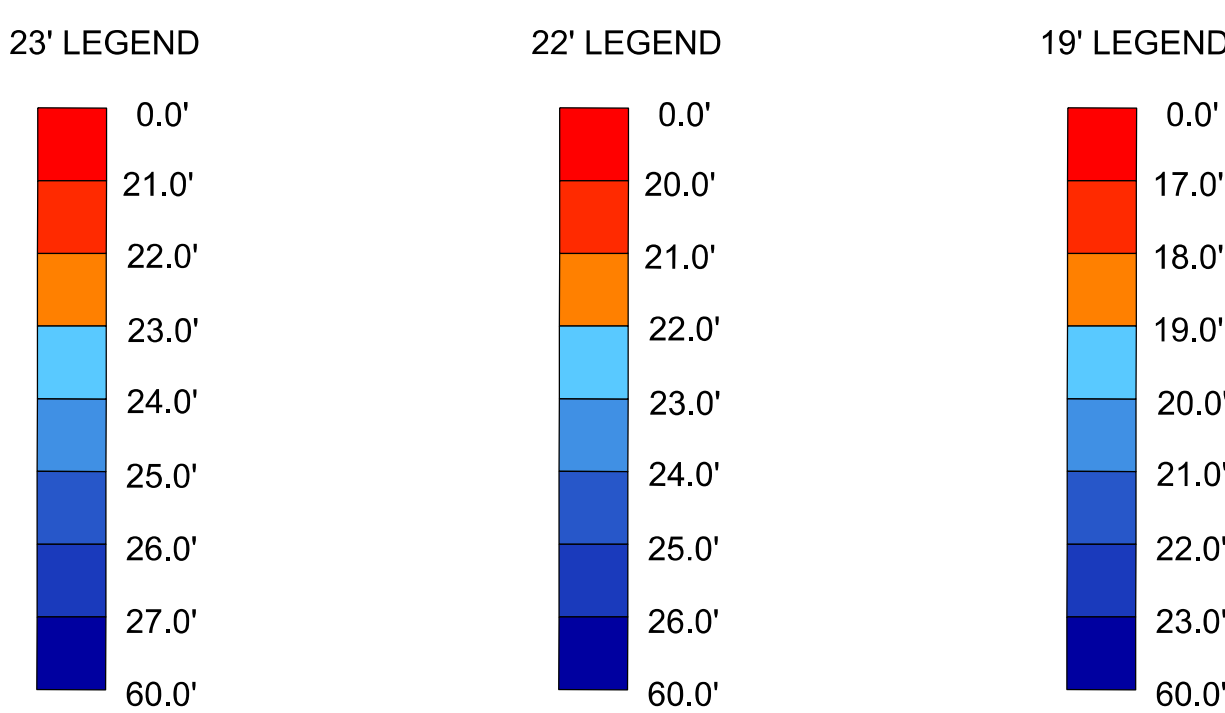


- NOTES
- 1) THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON SEPTEMBER 24 AND 30, 2019 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THAT TIME.
 - 2) SOUNDING DEPTHS ARE REFERENCED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85) LOW WATER DATUM ELEVATION 601.1 FEET ABOVE MEAN WATER LEVEL AT RIMOUSKI QUEBEC. WATER LEVEL READINGS WERE OBTAINED WITH RTK GPS VALUES THAT HAVE BEEN VERIFIED TO MATCH AN AUTOMATED NOAA GAGE LOCATED AT ONTONAGON, MICHIGAN (099004). DEPTHS ARE MEASURED USING A ROSS LABORATORIES MODEL 825C PORTABLE SURVEY SOUNDER.
 - 3) HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK) GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) CORRECTIONS FROM A BASE STATION LOCATED AT US ARMY CORPS OF ENGINEERS (USACE) CONTROL POINT ONT 102.
 - 4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE (211), NORTH AMERICAN DATUM 1983 (NAD 83), US SURVEY FOOT.
 - 5) PROJECT DEPTHS ARE 19.0 FEET, 22.0 FEET AND 23.0 FEET.



SURVEY CONTROL			
STA.	DESCRIPTION	NORTHING	EASTING
9044-A	BRASS DISC	770798.87	2566333.52
9044-J	BRASS DISC	771040.75	2566339.22
9044-K	BRASS DISC	771013.50	25665465.29
94-1	ALUM. DISC	770755.864	25665169.660
GREEN LT.	NAVIC. AID	772827.749	25664205.041
RED LT.	NAVIC. AID	772911.202	25663941.738
RED LT.	NAVIC. AID	770407.787	25666017.756
LIGHT, ROD	LANDMARK	770672.381	25666033.902

CHANNEL CONTROL			
STA.	NORTHING	EASTING	
1	773824.07	25663634.09	
2	773606.24	25663298.65	
3	773559.85	25663681.28	
4	772978.27	25663855.48	
5	773001.24	25664019.40	
6	772919.56	25663893.61	
7	771068.22	25665274.70	
8	770806.70	25665020.70	
9	771004.80	25665351.80	
10	770887.08	25665213.50	
11	770847.26	25665421.86	
12	770321.76	25665988.76	
13	770783.50	25665830.54	
15	770472.83	25666099.02	
15A	770461.14	25666088.24	

US Army Corps of Engineers

REVIEWED BY: [Signature]
SUBMITTED BY: [Signature]
APPROVED BY: [Signature]
DATE: [Date]
FILE NAME: [File Name]
SIZE: [Size]
SCALE: [Scale]

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT
DETROIT, MI
FILE NAME: [File Name]
SIZE: [Size]
SCALE: [Scale]

ONTONAGON HARBOR
MICHIGAN
CONDITION OF CHANNEL
SEPTEMBER 2019

SHEET
IDENTIFICATION
ONT 1