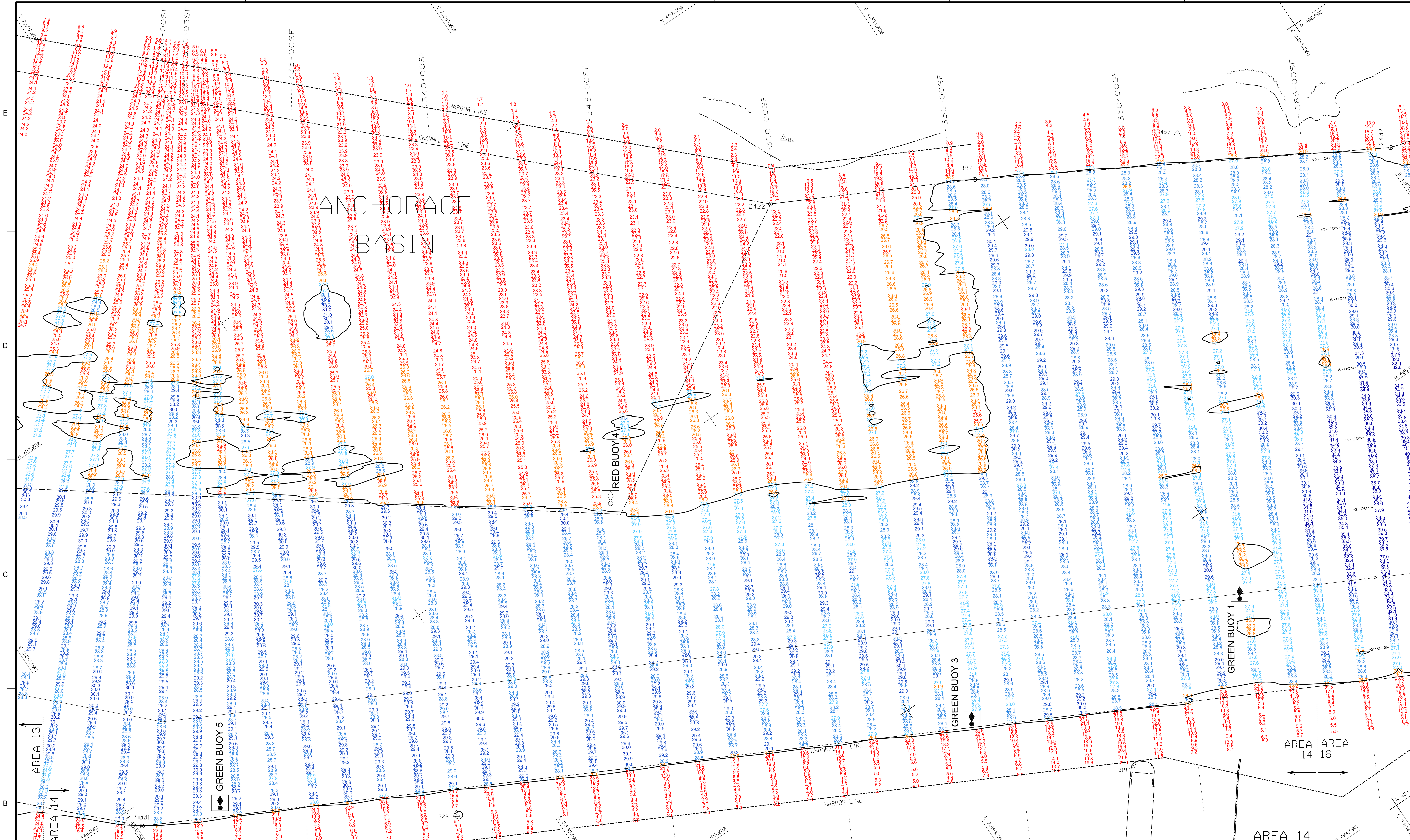
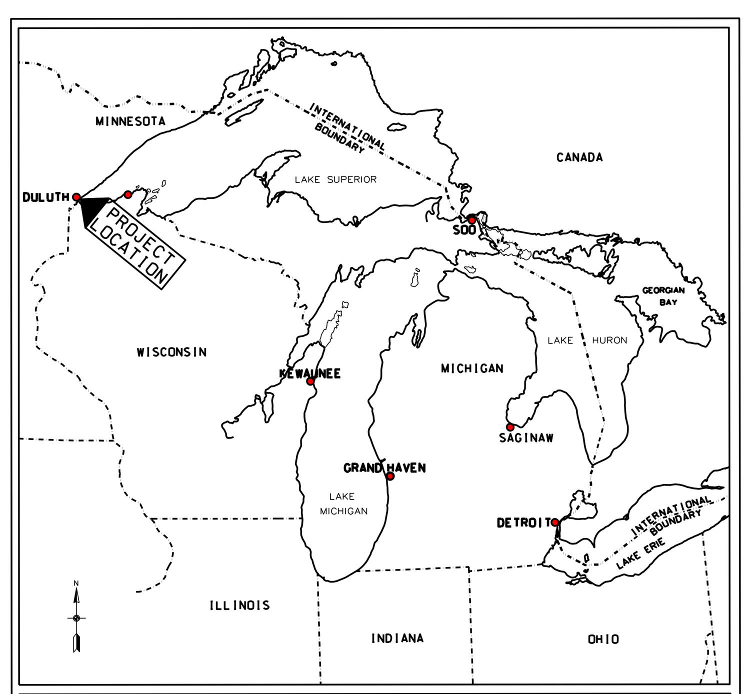
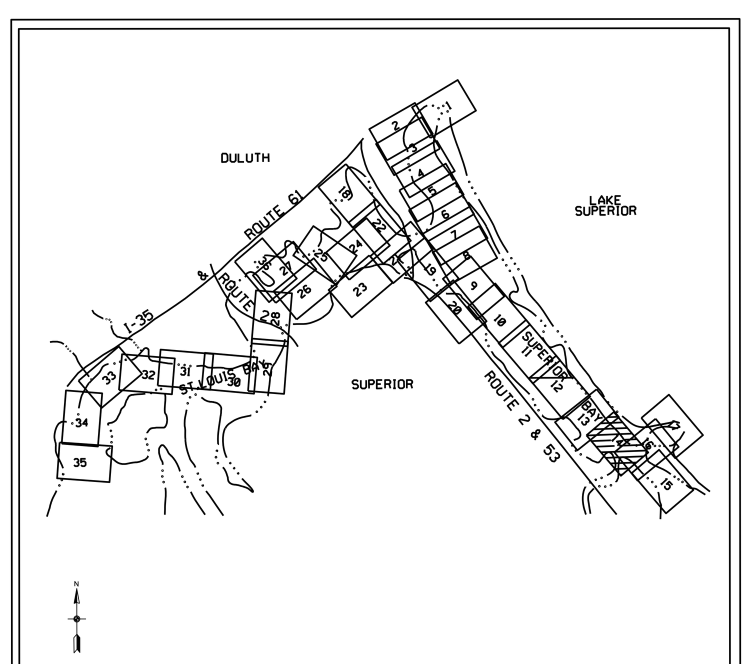




US Army Corps of Engineers Detroit District

LOCATION MAP

0 25 50 75 100 SCALE OF MILES



US Army Corps of Engineers Detroit District

SHEET INDEX

0 2000 4000 6000 8000 SCALE (FT)

NOTES

1) THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON SEPTEMBER 02, 2016 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 ARE FROM AN AUTOMATED NOAA GAGE LOCATED AT DULUTH, MINNESOTA (9099064). DEPTHS ARE MEASURED USING A ROSS LABORATORIES MODEL 825C PORTABLE SURVEY SOUNDER.

3) PROJECT DEPTH FOR THIS AREA IS 27'.

4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MINNESOTA STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE (2201), NORTH AMERICAN DATUM 1983 (NAD 83), U.S. SURVEY FOOT.

5) THE LOCATION OF NAVIGATION AIDS REPRESENTS THEIR GENERAL LOCATION AND CANNOT BE CONSIDERED FOR NAVIGATION.

6) HORIZONTAL POSITIONING IS DETERMINED USING THE DIFFERENTIAL GLOBAL POTITIONING SYSTEM (DGPS). THE DIFFERENTIAL CORRECTIONS ARE PROVIDED BY U.S. COAST GUARD DIFFERENTIAL BROADCAST STATIONS LOCATED AT WISCONSIN POINT, SUPERIOR, WISCONSIN.

27' LEGEND

0.0'
26.0'
27.0'
28.0'
29.0'
30.0'
60.0'

LEGEND

GPS CONTROL POINT
HORIZONTAL CONTROL POINT
NO. CHANNEL LINE TURNING POINT
CHANNEL LINE
SHORELINE
PROJECT DEPTH CONTOUR
BASELINE
BASELINE STATIONING FOR SUPERIOR FRONT BASELINE

N

0 100' 200'

CHANNEL LINE COORDINATE TABLE

STA.	COORDINATES	
	NORTHING	EASTING
997	406143.322	2894001.239
9001	405941.858	2891014.905
2402	405558.190	2895030.738
2422	406409.652	2893481.384

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

SURVEYOR: ATA | DWN BY: ATA | DATE OF SURVEY: 02-Sept-16
REVIEWED BY: | SUBMITTED BY:
APPROVED BY: | CONTRACT NO.:
PLOT SCALE: 1" = 100' | IMAGE DATE: | DRAWING DATE: 07-Sept-16
SIZE: ANSI E | IMAGE SOURCE: | FILE NAME: DULVH101C1614.dgn

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT
DETROIT, MI

DULUTH AREA OFFICE
600 LAKE AVENUE SOUTH
DULUTH, MN 55802

DULUTH SUPERIOR HARBOR
MINNESOTA / WISCONSIN

CONDITION OF CHANNEL
SEPTEMBER 2016

SHEET IDENTIFICATION
VH101
SHEET 14 OF 35