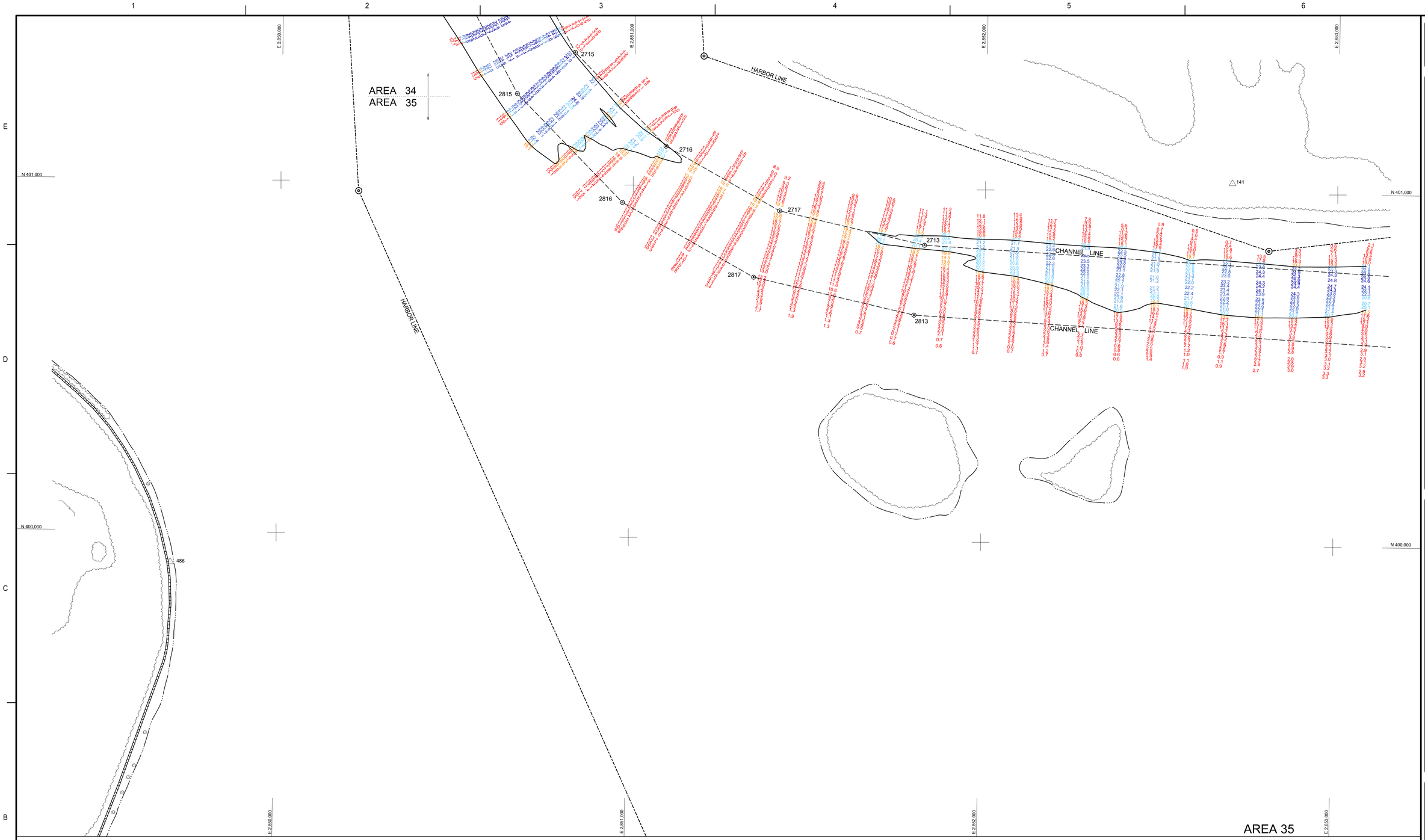
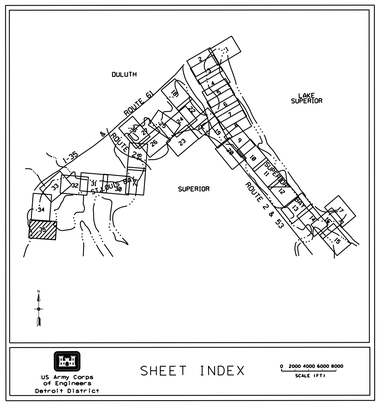


US Army Corps of Engineers Detroit District

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)

20' LEGEND

0.0'
19.0'
20.0'
21.0'
22.0'
23.0'
60.0'

NOTES

1) THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON JUNE 24, 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) THE PROJECT DEPTH FOR THIS AREA IS 20' BELOW LOW WATER DATUM.

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 POSITIONING SYSTEM (DGPS). THE DIFFERENTIAL CORRECTIONS ARE PROVIDED BY THE U.S. COAST GUARD DIFFERENTIAL BROADCAST STATION LOCATED AT WISCONSIN POINT, SUPERIOR, WISCONSIN.

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

100 0 100 200 300

1" = 100'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

SURVEYOR: ATA
DWN BY: ATA
REVIEWED BY: SJB
APPROVED BY:
PLOT SCALE: 1" = 100'
SIZE: ANSI E
IMAGE DATE:
IMAGE SOURCE:
DATE OF SURVEY: 24-June-16
SUBMITTED BY:
CONTRACT NO.:
DRAWING DATE: 08-Sept-16
FILE NAME: DULVH101C1635.dwg

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
JUNE 2016

SHEET IDENTIFICATION
VH101
SHEET 35 OF 35