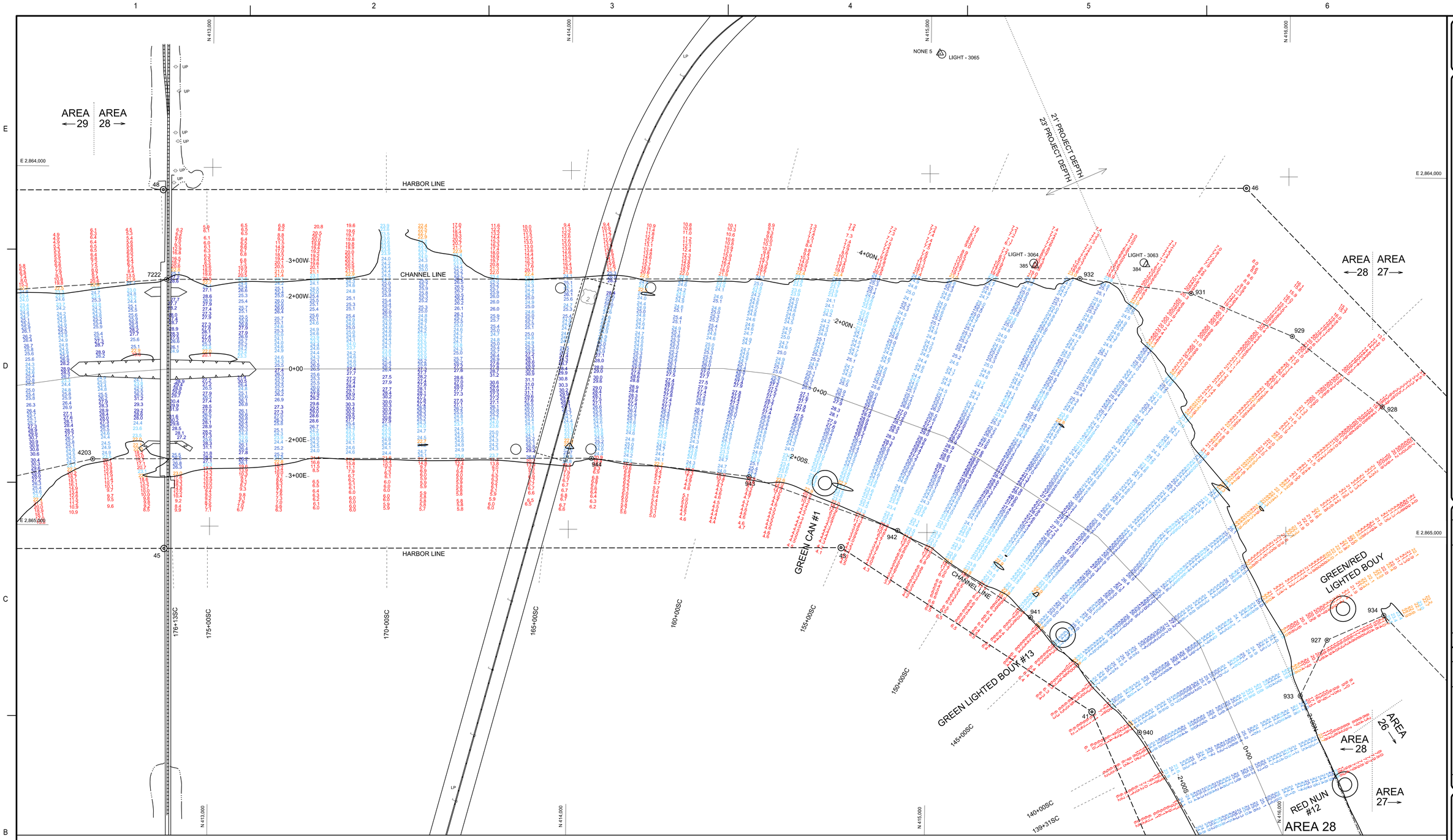
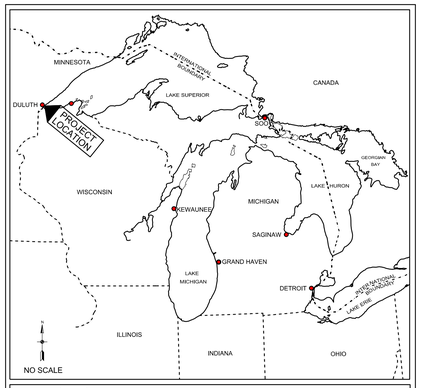
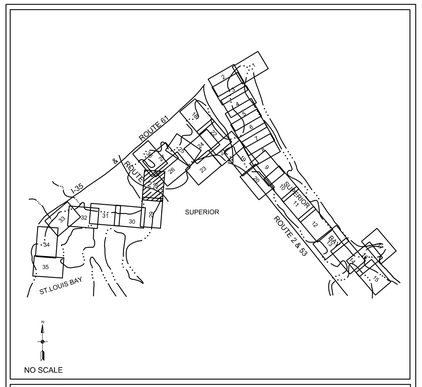




US Army Corps of Engineers Detroit District

LOCATION MAP



US Army Corps of Engineers Detroit District

SHEET INDEX

NOTES

1) THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THAT TIME.

2) ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 601.1 FEET ABOVE MEAN WATER LEVEL AT FATHER POINT, QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT THE DULUTH VESSEL YARD (NOAA GAUGE #9099064).

3) THE PROJECT DEPTH FOR THIS AREA IS 23.0'.

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), US SURVEY FOOT.

5) THE LOCATION OF NAVIGATION BUOYS REPRESENTS THE GENERAL LOCATION ON THE DATE OF THE SURVEY AND CANNOT BE CONSIDERED FOR NAVIGATION.

6) THE SURVEY SHOWN WAS CONDUCTED BY A. ALBERTSON ON 30 AUGUST 2016 USING DGPS POSITIONING, A ROSS 825C SOUNDER AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

7) THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING CHARTS AND ARE OUTDATED AND INACCURATE.

23' LEGEND

- 0.0'
- 22.0'
- 23.0'
- 24.0'
- 25.0'
- 26.0'
- 60.0'

LEGEND

- HORIZONTAL CONTROL POINT
- CHANNEL LINE TURNING POINT
- CHANNEL LINE
- DREDGING LIMIT
- SHORELINE
- PROJECT DEPTH CONTOUR
- X+XXSF = BASELINE STATIONING FOR SUPERIOR FRONT CHANNEL

N

100 0 100 200 300

1" = 100'

US Army Corps of Engineers

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

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

DULUTH AREA OFFICE
600 LAKE AVENUE SOUTH
DULUTH, MN 55802

SURVEYOR: ADMN BY: A.I.A. ARC
REVIEWED BY:
APPROVED BY:
PLOT SCALE: 1" = 100'
PLOT DATE:
SIZE: ANSI E
IMAGE DATE:
IMAGE SOURCE:
DATE OF SURVEY: 30-Aug-16
SUBMITTED BY:
CONTRACT NO.:
DRAWING DATE: 8-Sep-16
FILE NAME: DULUTH2016.dgn

DULUTH SUPERIOR HARBOR
MINNESOTA / WISCONSIN

CONDITION OF CHANNEL
SEPTEMBER 2016

SHEET IDENTIFICATION
VH101
SHEET 28 OF 35