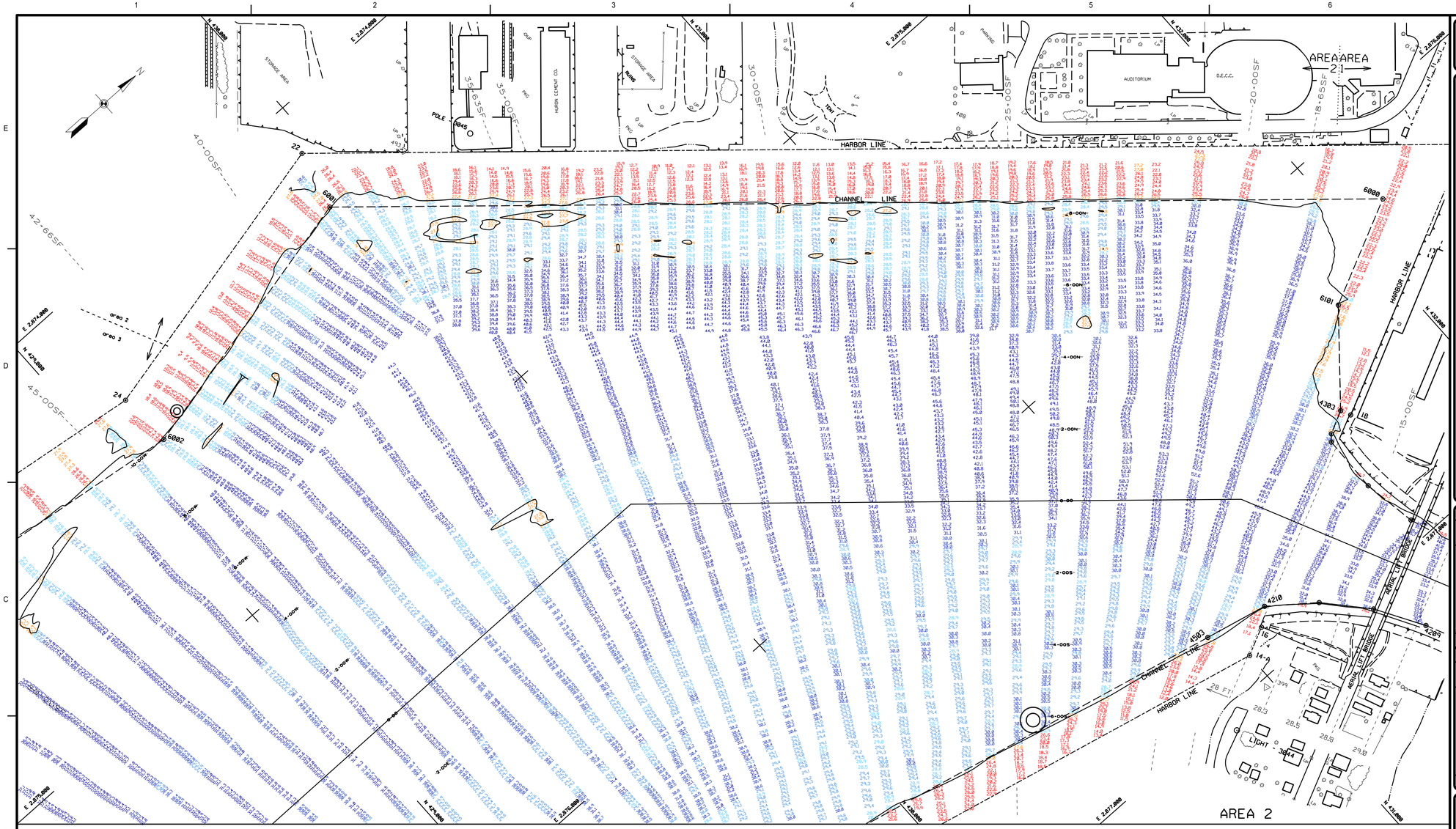
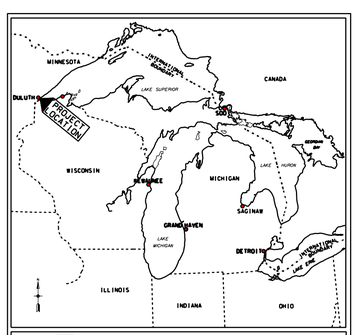
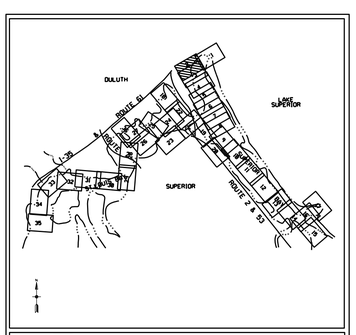




US Army Corps of Engineers Detroit District

LOCATION MAP

SCALE OF MILES



US Army Corps of Engineers Detroit District

SHEET INDEX

SCALE (FT)

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) ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION 601.1 ABOVE MEAN SEA LEVEL, IGLD 1985. GAGE STATION IS NOAA #9064 AT THE DULUTH VESSEL YARD - SET AND MAINTAINED 6 MINUTE INTERVAL READINGS IGLD85 601.1

3) PROJECT DEPTH FOR THIS AREA IS 28.0'.

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 K. COOK & A. ALBERTSON ON 28 APRIL 2015, 19 JUN 2015 AND 16 JUL 2015 USING DGPS POSITIONING. A ROSS 825C SOUNDER AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

28' LEGEND

- 0.0'
- 27.0'
- 28.0'
- 29.0'
- 30.0'
- 31.0'
- 60.0'

LEGEND

- horizontal control point
- no. — channel line turning point
- channel line
- shoreline
- project depth contour
- Baseline
- x+xxSF — Baseline Stationing for Superior Front Baseline

0 100' 200'

US Army Corps of Engineers

CHANGE DATE	
CHANGE DESC.	
SUBMITTED BY	
REVIEWED BY	
APPROVED BY	
CONTRACT NO.	
SCALE	1" = 100'
SHEET	1 OF 1
FILE NUMBER	
IMAGE DATE	
IMAGE SOURCE	
DGN NAME	DULUTH_VH101.dgn

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

DULUTH-AREA OFFICE
650 LAKE AVENUE SOUTH
DULUTH, MN 55802

DULUTH SUPERIOR HARBOR
MINNESOTA / WISCONSIN

CONDITION OF CHANNEL
JULY 2015

SHEET IDENTIFICATION
VH101
SHEET 1 OF 36