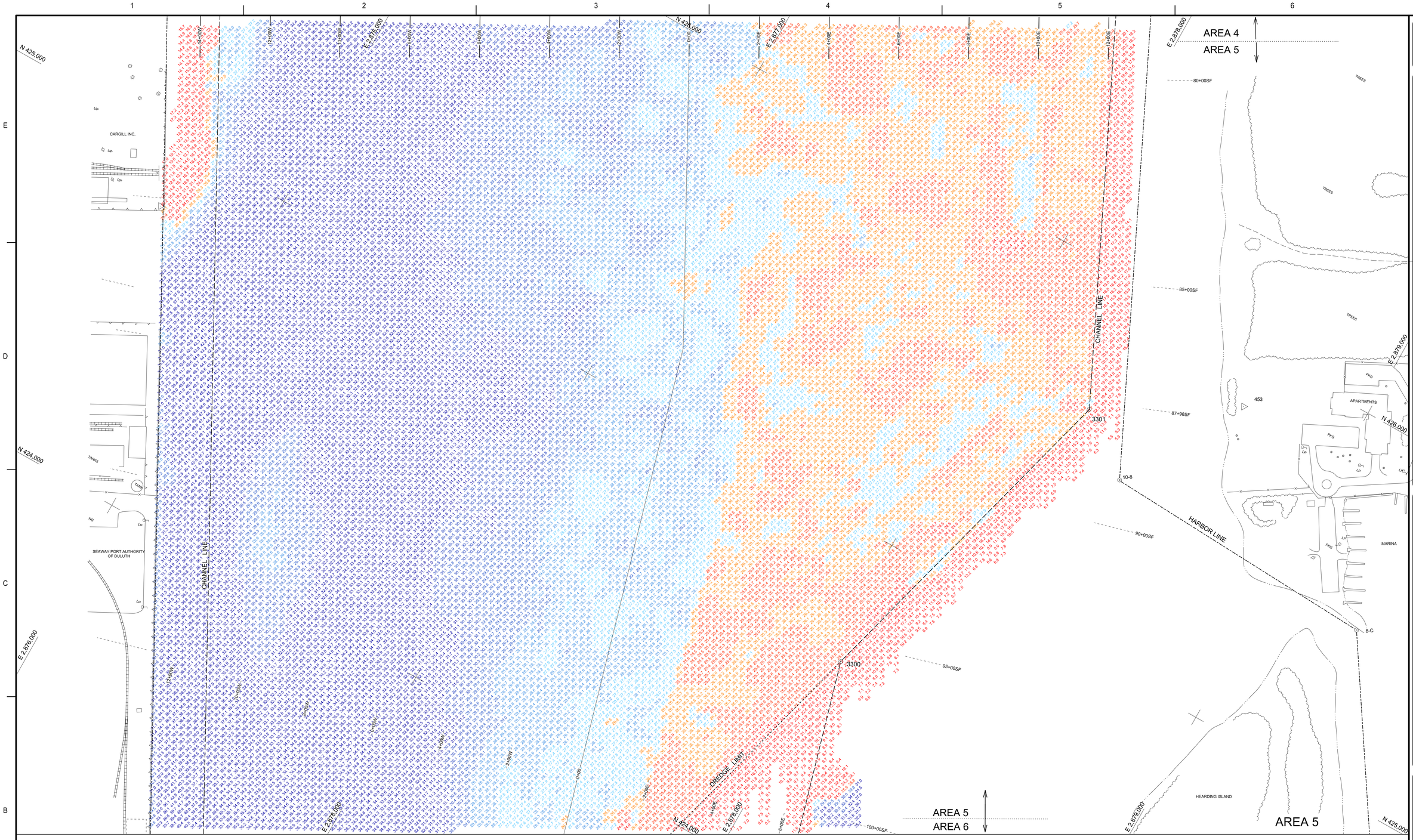
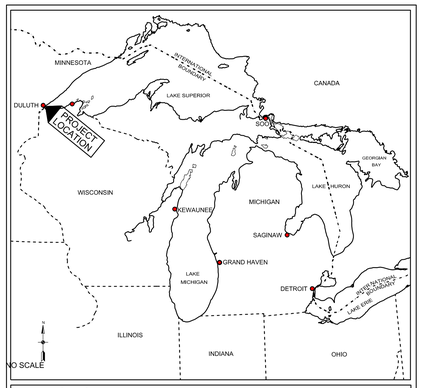
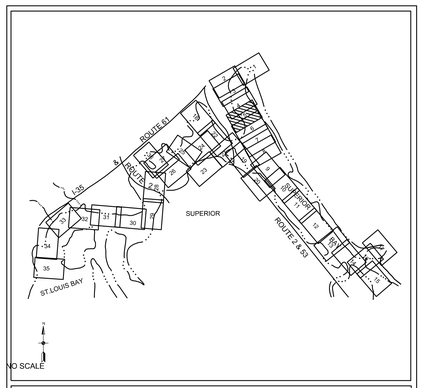




US Army Corps of Engineers Detroit District

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 23 AUGUST 2016 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 RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT THE DULUTH VESSEL YARD (NOAA GAUGE 9099064). DEPTHS ARE MEASURED USING AN R2SONIC 2024 MULTIBEAM SONAR.

3) THE PROJECT DEPTH FOR THIS AREA IS 27.0' 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), 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 SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH FOUND IN THE 20 FOOT BY 20 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS.

7) THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING CHARTS AND ARE OUTDATED AND INACCURATE.

LEGEND

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

27' LEGEND

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

N

100 0 100 200 300

1" = 100'

US Army Corps of Engineers

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

SURVEYOR: DRN BY: KKC
REVIEWED BY:
APPROVED BY:
PLOT SCALE: 1" = 100'
PLOT DATE:
DATE OF SURVEY: 23-Aug-2016
SUBMITTED BY:
FILE NO.:
IMAGE DATE: 15:00:16
FILE NAME: 01-VH101-V05.dgn
IMAGE SOURCE:

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
AUGUST 2016

SHEET IDENTIFICATION
VH101
SHEET 5 OF 35