

# **NOAA's Duluth Hydrographic Survey**

## **HTAC**

September 3, 2025

# Who we are



## More than two centuries of service

- One of the first U.S. government science agencies
- President Thomas Jefferson created the U.S. Coast Survey in 1807
- Over two centuries later, Coast Survey – now an office within NOAA in the Department of Commerce – continues to provide the navigation products and services that ensure safe and efficient maritime commerce.

U.S. Department  
of Commerce

National Oceanic and  
Atmospheric Administration

National Ocean Service

Office of  
Coast Survey

# What we do: Products



DATA  
COLLECTION



PRODUCT  
DISTRIBUTION



PRODUCT  
DEVELOPMENT



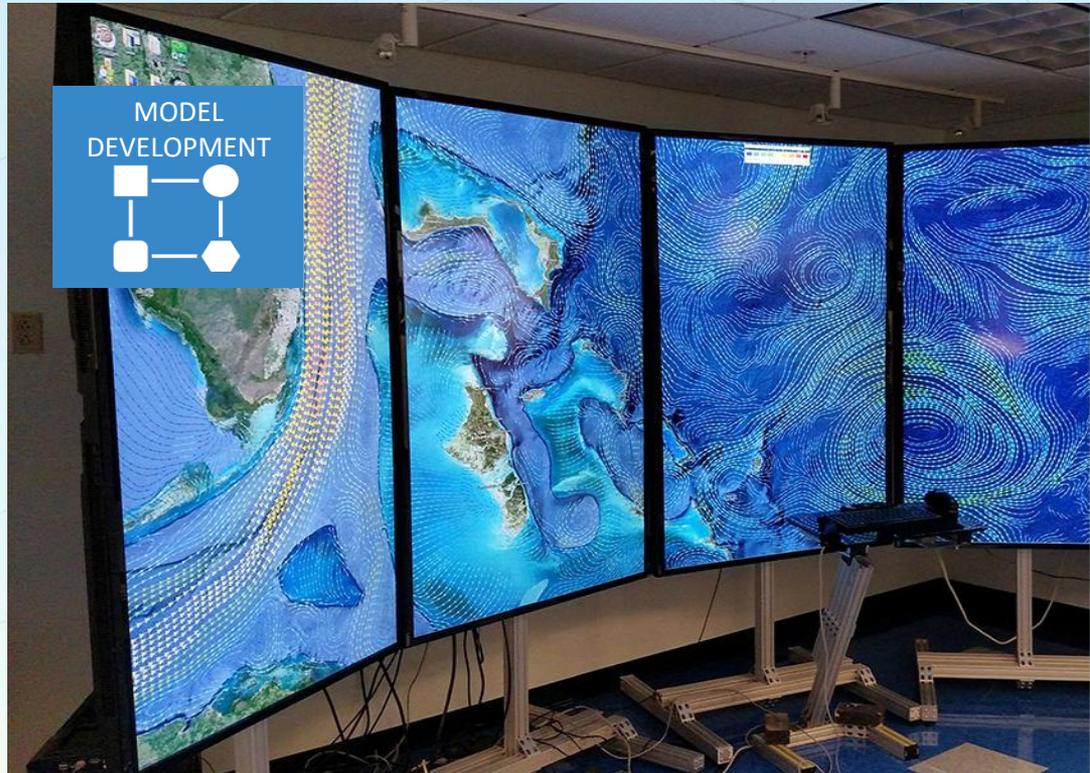
# What we do: Services



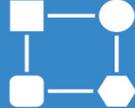
# What we do: Services



TECHNOLOGY  
RESEARCH



MODEL  
DEVELOPMENT

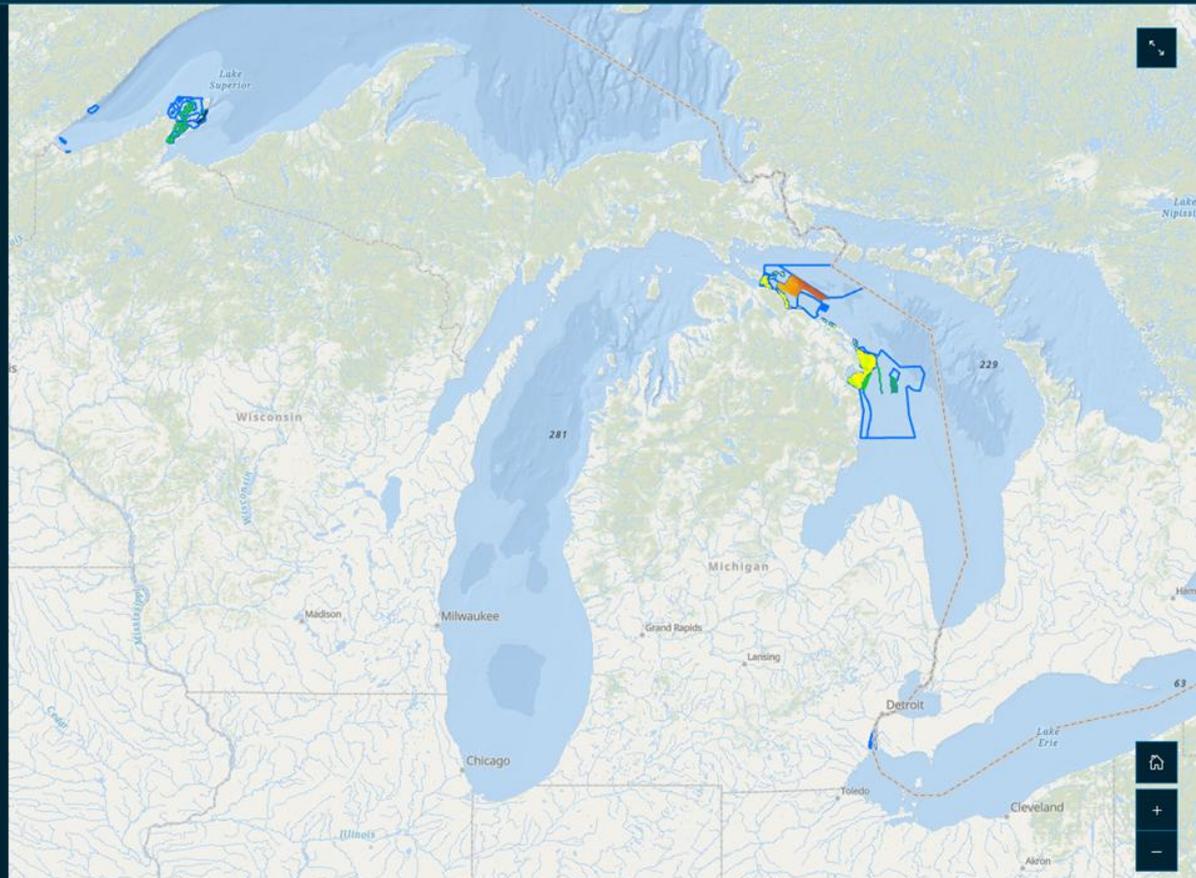




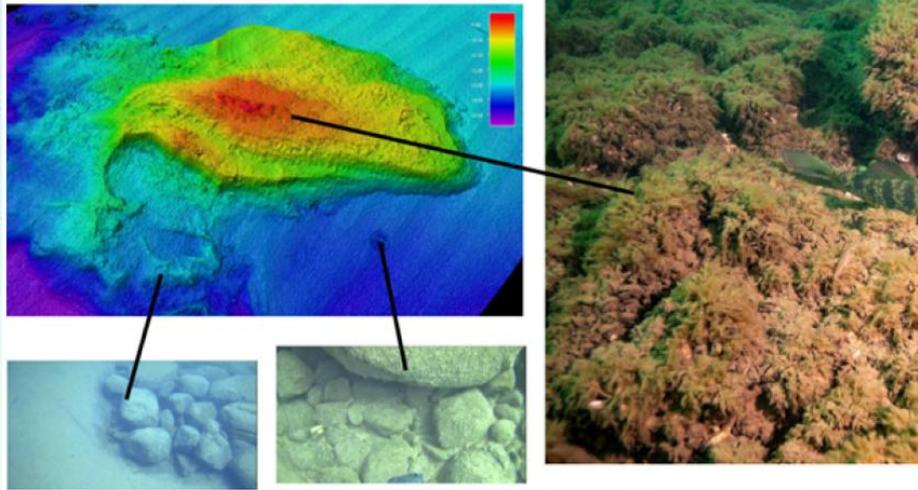
## Great Lake Regional Map

The following hydrographic survey projects contribute to Lakebed 2030, a regional mapping campaign in support of the NOMECS Strategy that seeks to completely map U.S. waters in the Great Lakes by 2030.

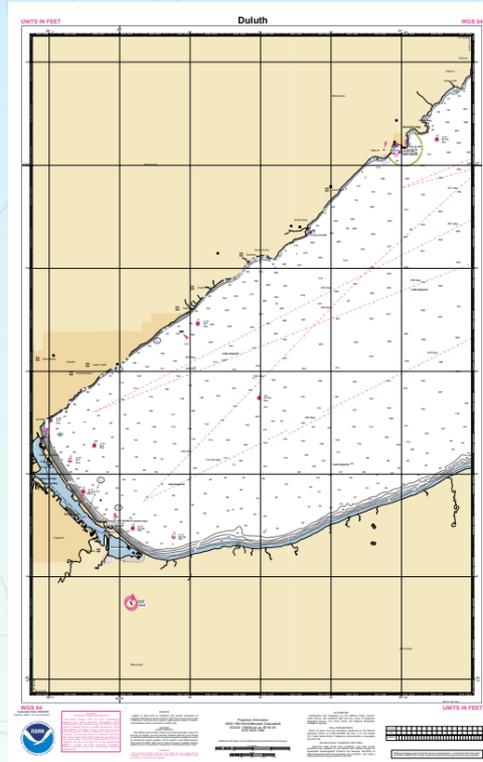
- Thunder Bay
- Eastern Lake Ontario
- Duluth and Two Harbors
- Detroit River
- Apostle Islands



# Duluth/Two Harbors Survey



# Duluth/Two Harbors Survey





# Duluth/Two Harbors Survey



# Navigation Response Teams



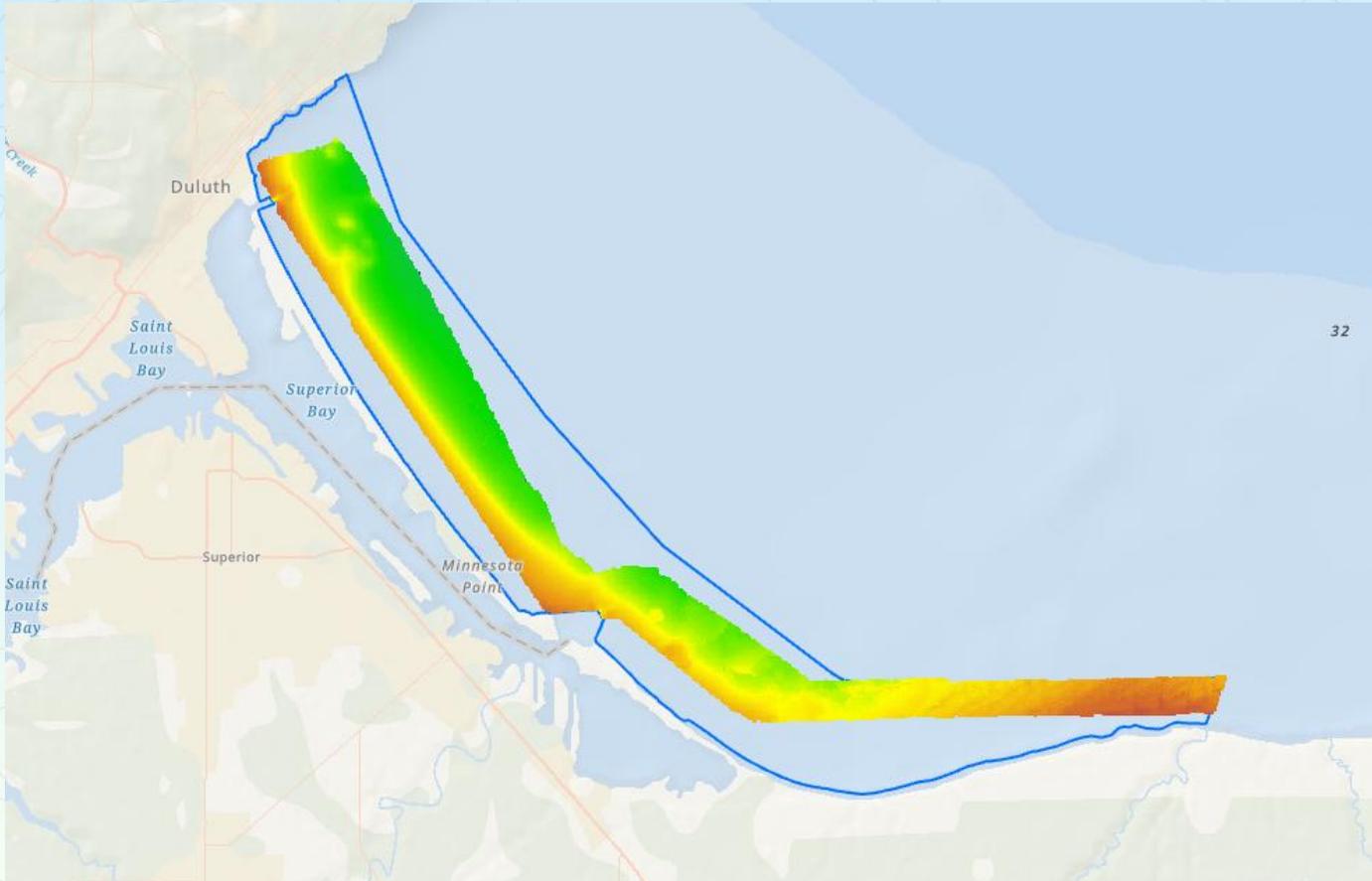
- 30-foot trailerable boats
- Operated by two- or three- person teams
- Equipped with multibeam and side scan sonar technology

# Navigation Response Teams



- Emergency Response
- Nautical Chart Updates
- Emerging Needs

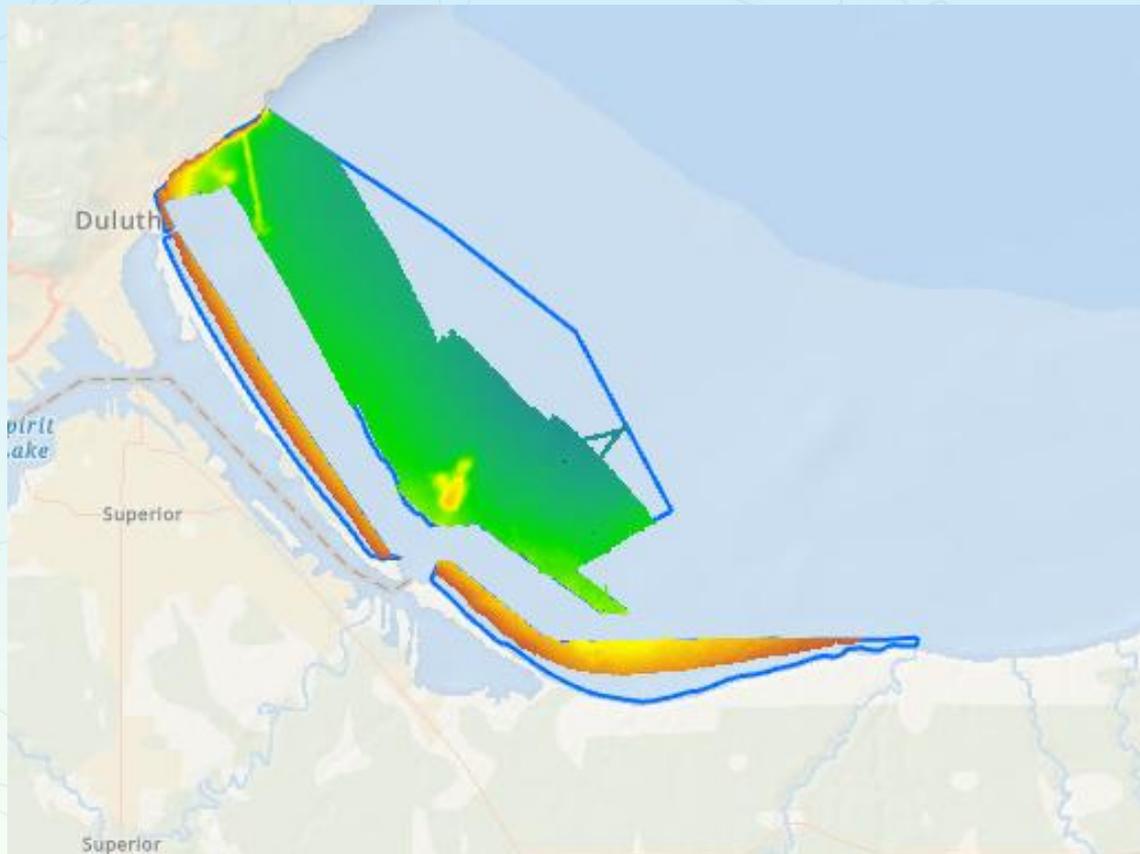
# Duluth Survey - 2023



32



# Duluth Survey - 2024

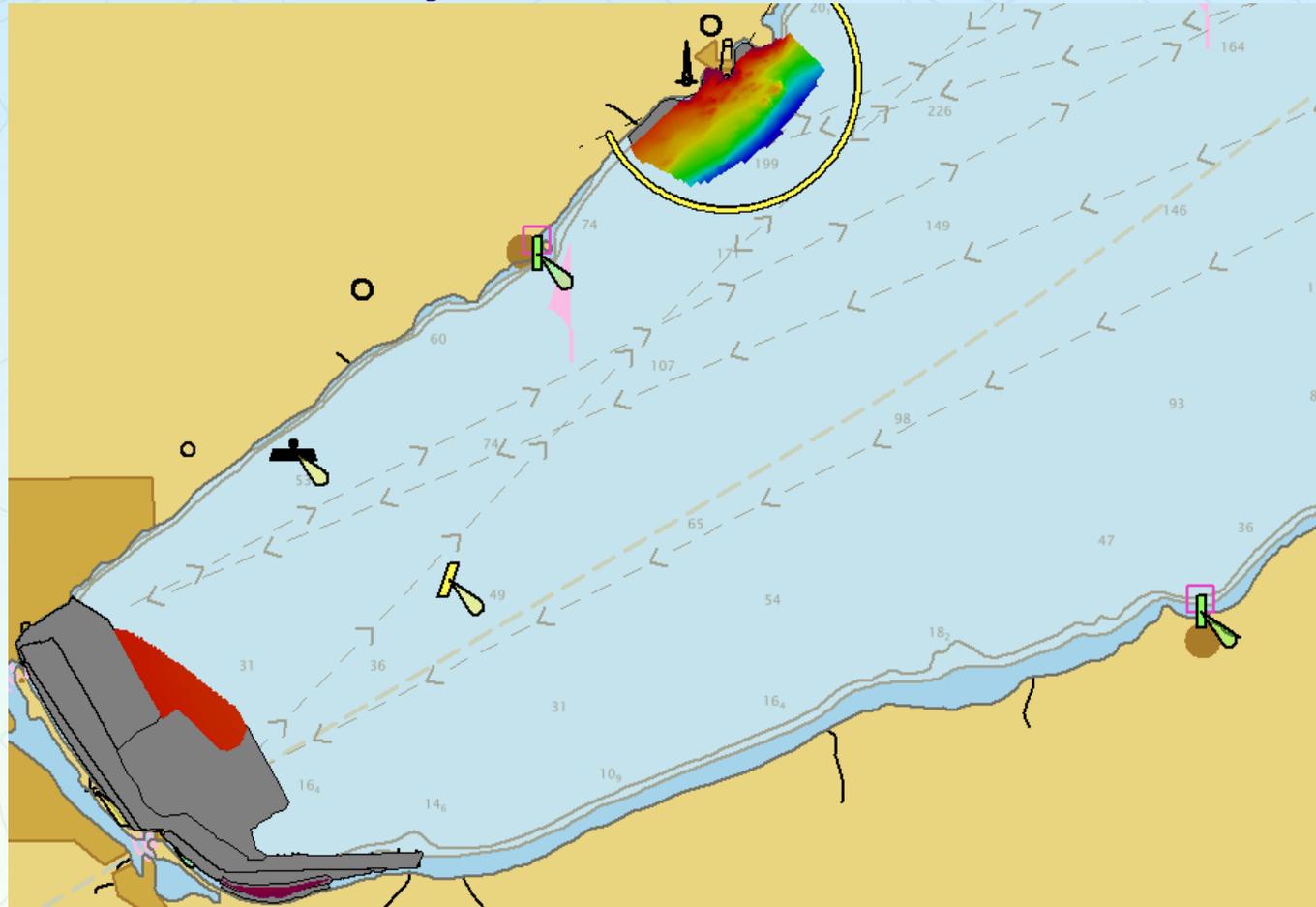


# Duluth & Two Harbors Survey - 2025

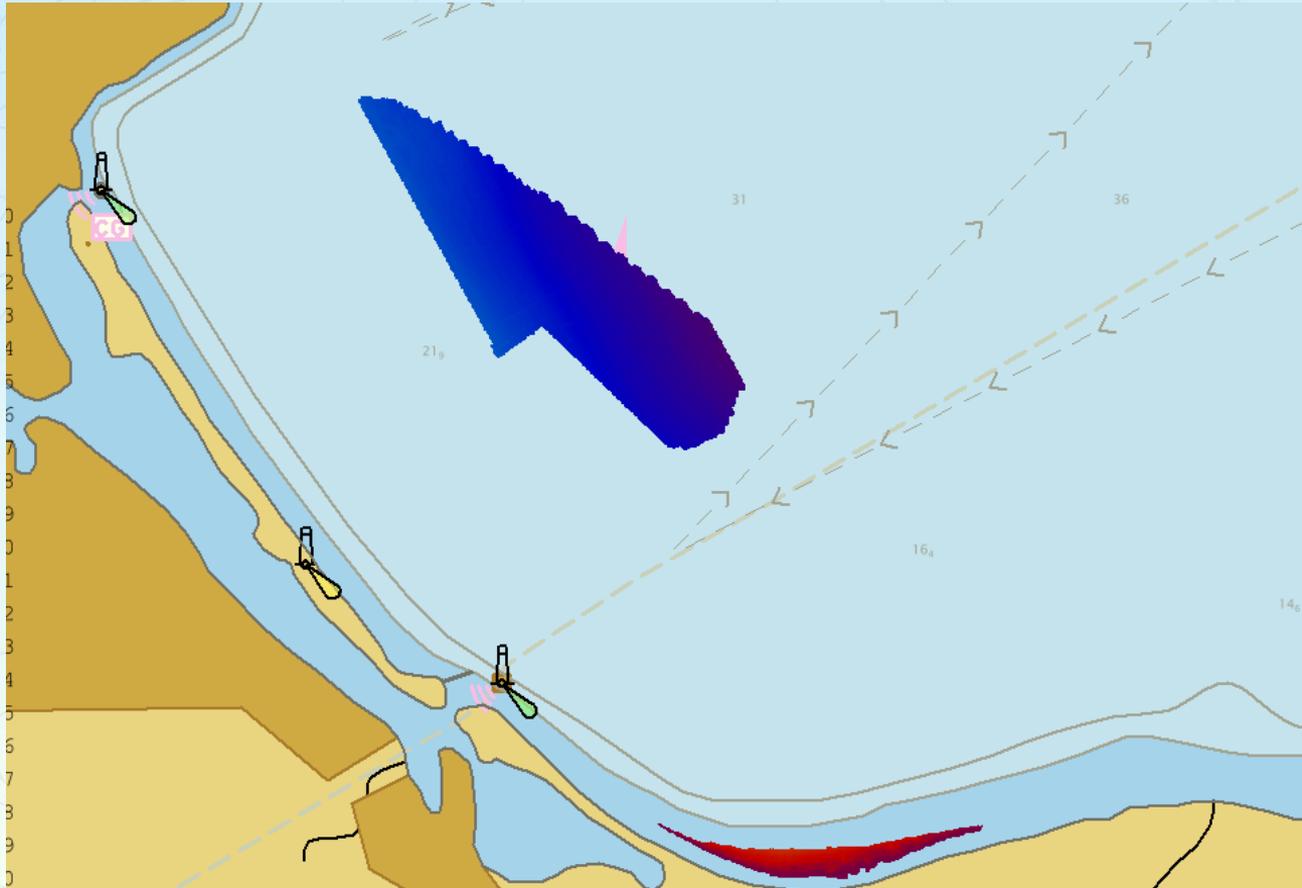
6/26-7/20/2025

398 LNM

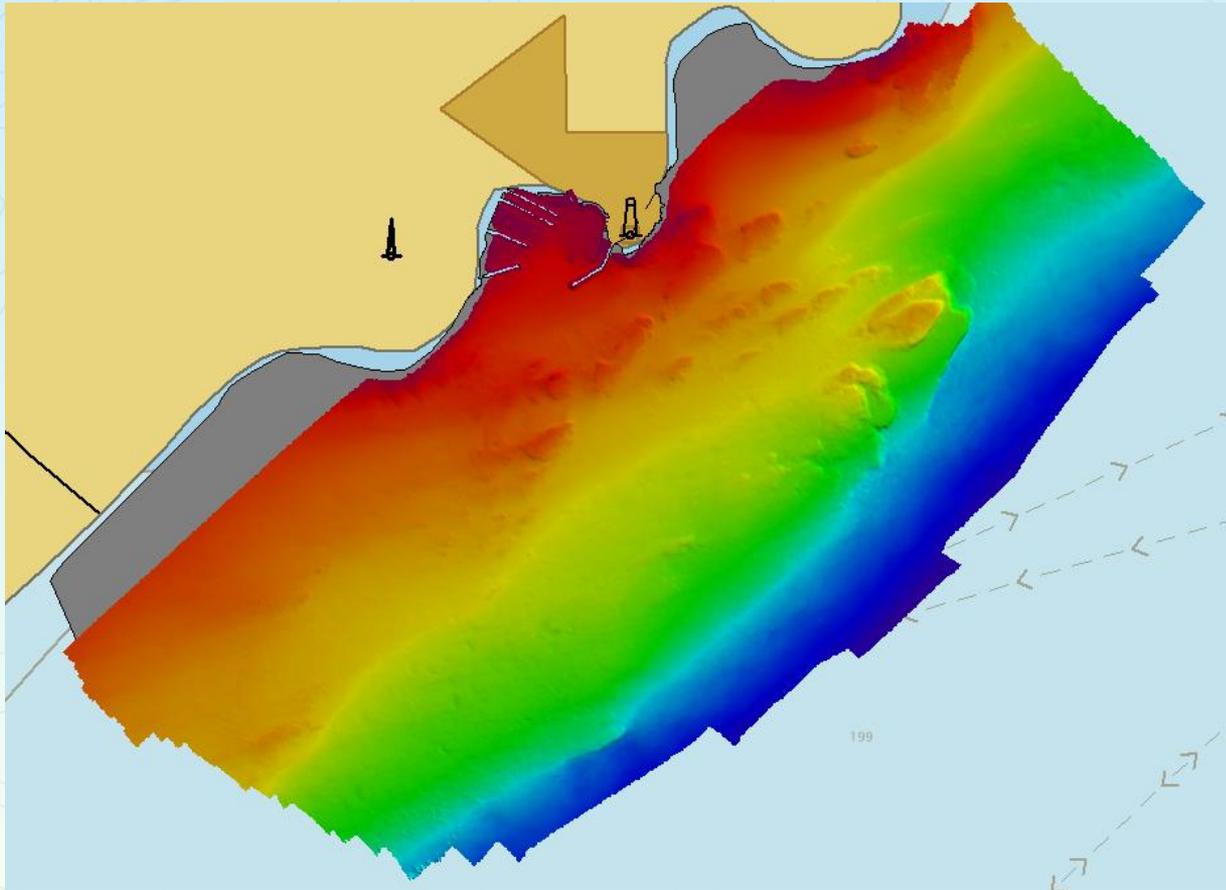
15.41 SNM



# Duluth Survey - 2025



# Two Harbors Survey - 2025



# External Source Data



Habitat Mapping



Flooding Models



Data gap analysis

# How to reach Coast Survey

- Submit questions & comments
- Report an error

<https://nauticalcharts.noaa.gov/customer-service/assist/>



# Contact Information

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