



# Office of Coast Survey

John Nyberg, Deputy National Hydrographer

September 1, 2021

HYDROGRAPHIC SERVICES REVIEW PANEL



noaa

# Surveying, Charting, and Data



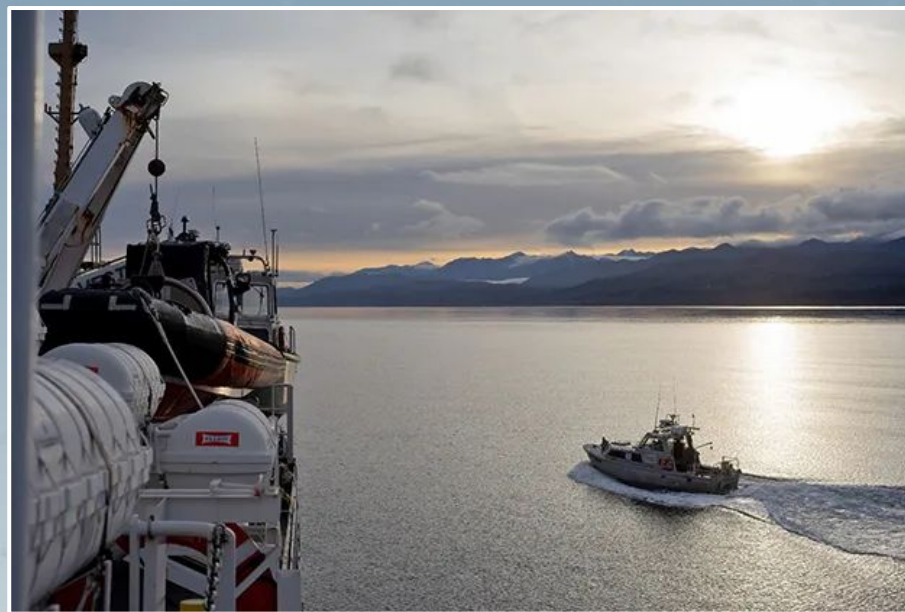
## Navigation Response Teams



Hydro season updates



Location of NRT assets



Winter survey in the Strait of Juan de Fuca  
(Credit: AB Jeff Greeley, NOAA)

# Surveying, Charting and Data

- Raster transition and rescheming

NOAA Office of Coast Survey  
National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

HOME **FUTURE OF NOAA CHARTS** CHARTS PUBLICATIONS DATA LEARN CUSTOMER SERVICE ABOUT US

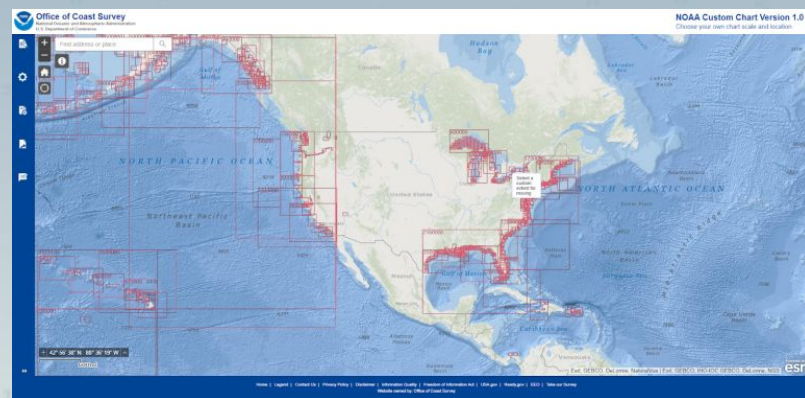
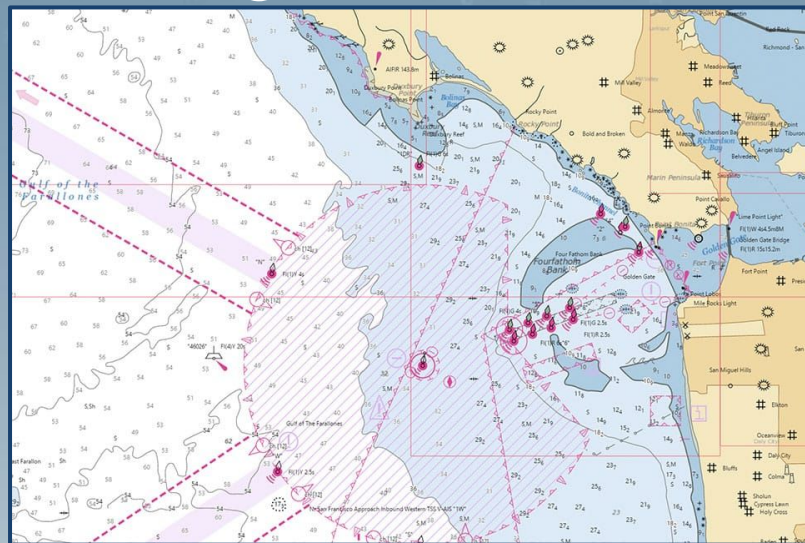
SEARCH

FIND NAUTICAL CHARTS

Chart Locator  
Download Nautical Charts and ENCs

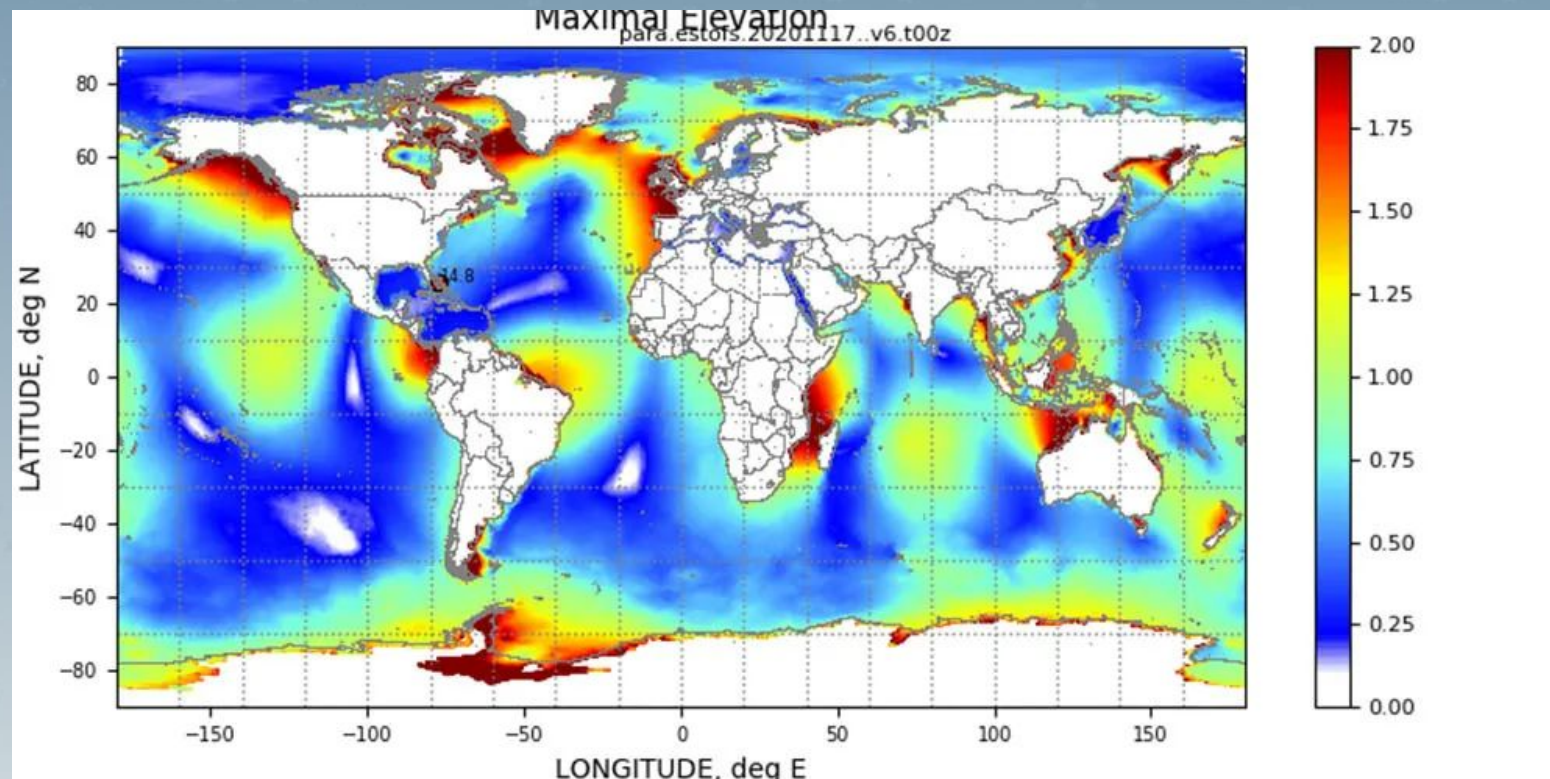
PRODUCTS & SERVICES

- Certified Charts & Products  
meets U.S. Coast Guard carriage requirements for commercial vessels
- General Use Charts  
does not meet U.S. Coast Guard carriage requirements for commercial vessels
- Chart Viewers
- Other Services & Publications



# Technology

- Global ESTOFS
  - Upgraded in July 2021



*An example of maximum forecast water levels (m MSL) from a forecast cycle of Global ESTOFS*

# Technology



- Precision Marine Navigation

NOAA MARINE NAVIGATION

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NAUTICAL CHARTS WEATHER / NAVIGATION WARNINGS REAL-TIME OBSERVATIONS and FORECASTS DATA DISSEMINATION CONTACT NEWS ABOUT

**PRECISION MARINE NAVIGATION**  
Providing precision marine navigation services to increase the safety, efficiency, and resiliency of the marine transportation system.

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[marinenavigation.noaa.gov](http://marinenavigation.noaa.gov)

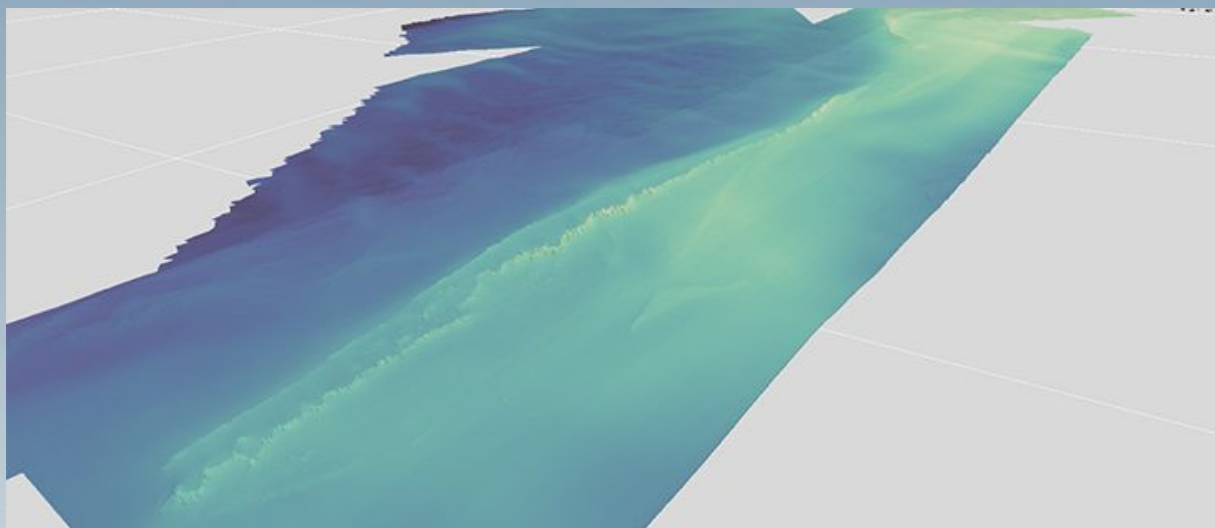


# Partnership and Outreach



University of  
New Hampshire

- USF and UNH grants



*Sonar map of the water depths in the “Elbow” region 70 miles west of St. Petersburg, Florida.  
Image courtesy of Matthew Hommeyer of the Center for Ocean Mapping and Integrative  
Technologies at the University of South Florida*

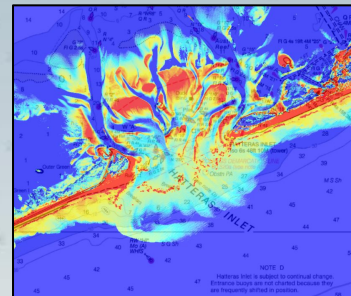
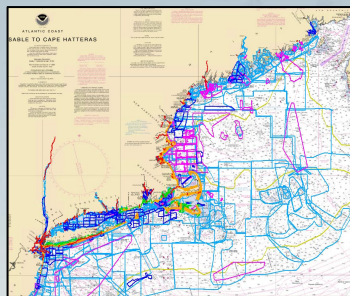
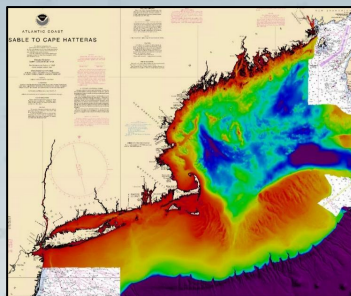


# Partnership and Outreach

- SOMP
  - Review by NOMEAC Council agencies
  - Chapters for public comment expected late this year

S  
O  
M  
P

SOMP Symposium  
2020 presentation  
NOAA images





# Questions

