



# Office of Coast Survey

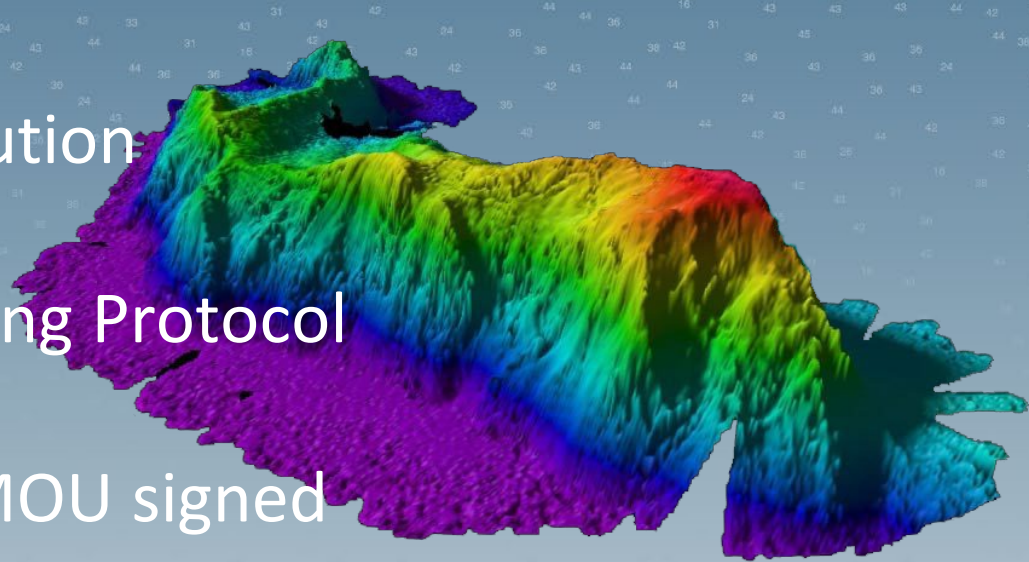
**RDML Benjamin Evans, Director**  
**September 2022**

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# Mapping

- Demand for high resolution bathymetry
- Standard Ocean Mapping Protocol releasing this fall
- NOAA - Seabed 2030 MOU signed



**The Nippon Foundation-GEBCO  
Seabed 2030 Project**

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# Field Season Report

- Hydro ships and NRTs in the Great Lakes, Gulf of Mexico and East Coast, Marianas and Alaska this year
- High resolution bathymetric surveys in the Great Lakes



## 2022 Survey Project Regions

- Alaska and the Pacific Coast
- Gulf of Mexico
- Great Lakes
- Atlantic Coast
- Mariana Islands

# Field Season Report

- Increasing use of UxS
- Check out the Survey Season Storymap!





# Pacific

- 2020 Pacific U.S. EEZ mapping plan
- 2019 Hawaiian island surveys – two applied to ENC
- NOAA Ship Rainier – RICHARD mission in Guam and the Marianas
- LIDAR contract issued by RSD in American Samoa next year



# Pacific

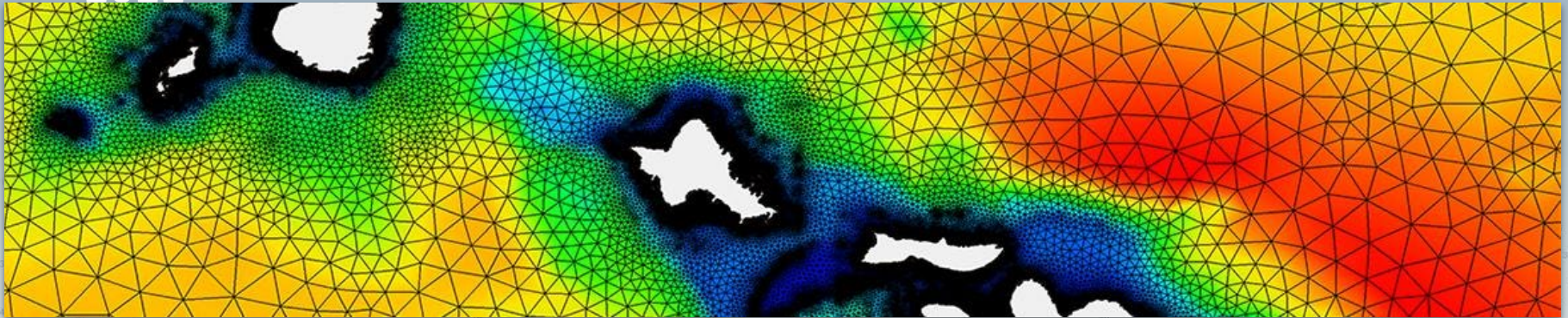
- Government engagement in the Pacific
  - MRC in the Mekong
  - SWPHC
  - State Dept Science Fellowship





# Pacific

- Pacific bathymetry used to support STOPS (global surge and tide model)
- NOAA contributes to IHO's Empowering Women in Hydrography project - candidate on *Rainier* in July 2022



# Pacific

- Oceanographer and Discoverer coming online in 2024 and 2025
- Class B hydrographic ships



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# Public Private Partnerships

- COMIT
- Brennan Matching Fund
- Seascope Alaska



In honor of Rear Adm. Richard T. Brennan

## NOAA Rear Admiral Richard T. Brennan Ocean Mapping Matching Fund Program

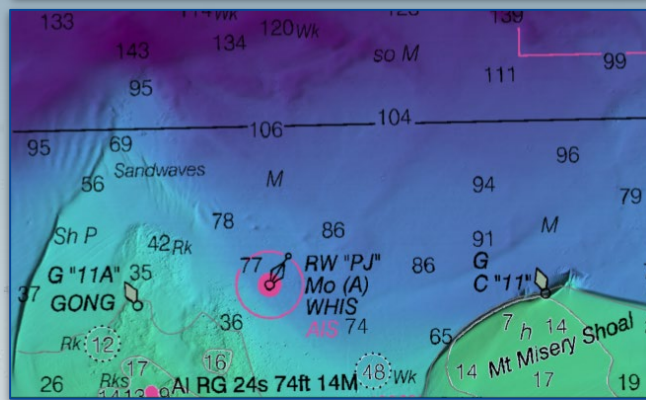
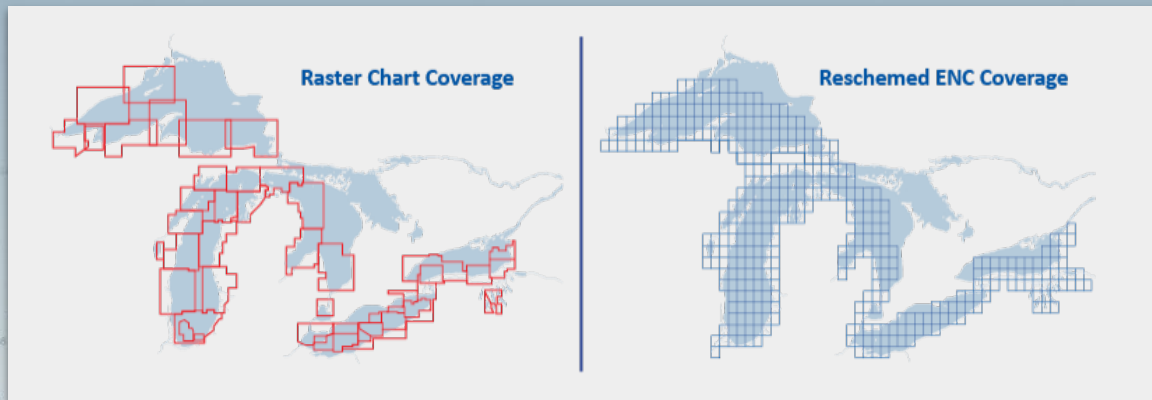
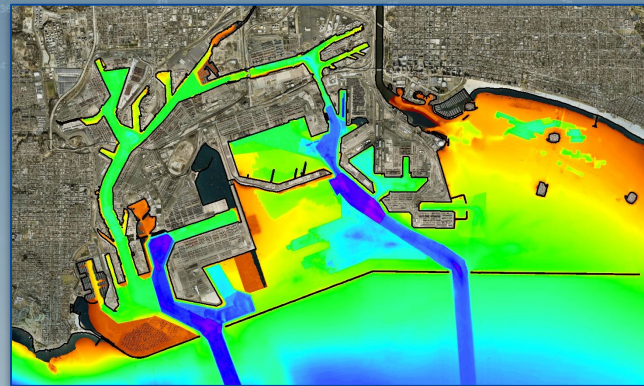


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# Resilience Activities

- ENC transition - rescheme status
- Working with USCG on chart carriage
- Blue Topo update





# Precision Marine Navigation



**S-102**

**BATHYMETRIC SURFACE**

**S-104**

**WATER LEVEL INFORMATION FOR SURFACE NAVIGATION**

**S-111**

**SURFACE CURRENTS**

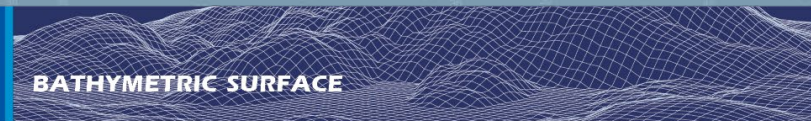
**S-122**

**MARINE PROTECTED AREAS**

**S-412**

**MARINE WEATHER FORECAST**

- Prototype S-102 High Resolution Bathymetry layer developed
- Preliminary development on S-104 water level forecast information





Thank You

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