

Developing the Implementation Plans for the NOMEAC and Alaska Coastal Mapping Strategies

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Discussion

The HSRP is asked to consider making recommendations to NOAA on the implementation plans that will follow the National Ocean Mapping, Exploring, and Characterizing the U.S. EEZ (NOMECE) and Alaska Coastal Mapping Strategies (ACMS).



National Ocean Mapping, Exploring, and Characterization of the U.S. EEZ (NOMECE) and the Alaska Coastal Mapping Strategy (ACMS)

It is the policy of the United States to act boldly to safeguard our future prosperity, health, and national security through ocean mapping, exploration, and characterization.

- *Complete a draft ocean mapping, exploration and characterization strategy for U.S. waters out to the EEZ.*

Completed mapping is especially lacking for Alaska and for the Alaskan Arctic, which lack the comprehensive shoreline and nearshore maps available for much of the rest of the Nation.

- *Complete an Alaska coastal mapping strategy.*



NOMECC

Develop a national strategy for mapping, exploring, and characterizing the U.S. EEZ, and for enhancing opportunities for collaboration... to map the EEZ, to identify priority areas within the EEZ, and to explore and characterize those areas...

Due: December 8, 2020

Ocean Science and Technology Subcommittee

NOAA, BOEM, USGS, NSF, FDA, NRCS,
USACE, Navy, NPS, FWS, NASA, USCG,
DOT



NATIONAL STRATEGY FOR MAPPING, EXPLORING, AND CHARACTERIZING THE UNITED STATES EXCLUSIVE ECONOMIC ZONE



NATIONAL STRATEGY FOR MAPPING, EXPLORING, AND
CHARACTERIZING THE UNITED STATES EXCLUSIVE
ECONOMIC ZONE

Prepared by the
OCEAN SCIENCE AND TECHNOLOGY SUBCOMMITTEE
of the
OCEAN POLICY COMMITTEE

June 2020

NOMECE Goals 1 & 2

Goal 1: Coordinate Interagency Efforts and Resources to Map, Explore, and Characterize the U.S. EEZ

- 1.1 Establish a NOMECE Council
- 1.2 Develop an Implementation Plan for the National Strategy

Goal 2: Map the U.S. EEZ

- 2.1 Establish a Standard Ocean Mapping Protocol
- 2.2 Coordinate & Execute Campaigns to Map the U.S. EEZ
- 2.3 Make Data Usable and Available



NOMECC Goals 3, 4 & 5

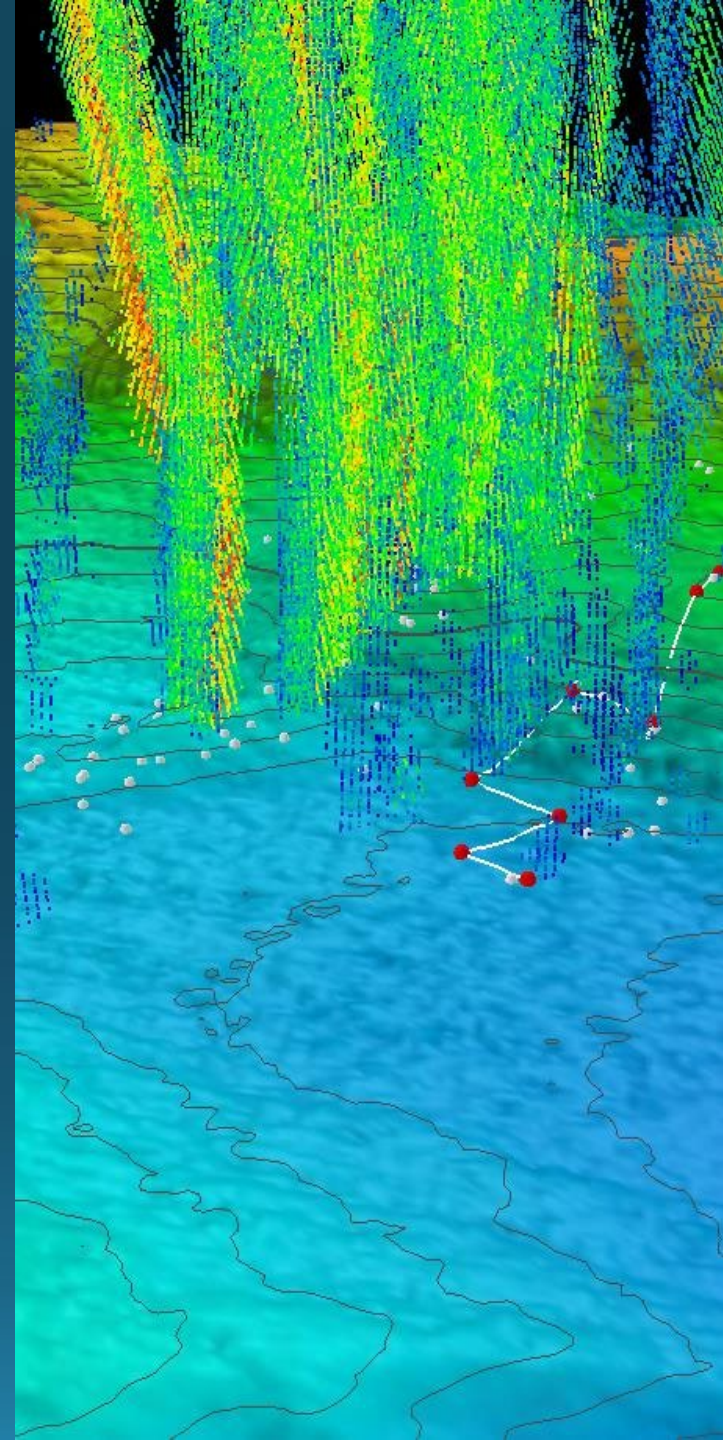
Goal 3: Explore and Characterize Priority Areas

Goal 4: Develop and Mature New & Emerging Science & Technologies to Map, Explore, and Characterize

- 4.1 Identify Science and Technology Needs in Mapping, Exploration, and Characterization
- 4.2 Support Development, Testing, Deployment, and Use of New Technology
- 4.3 Support Partnerships with Organizations that are Promoting, Investing in, or Developing Ocean Methodologies, Technology, and Applications

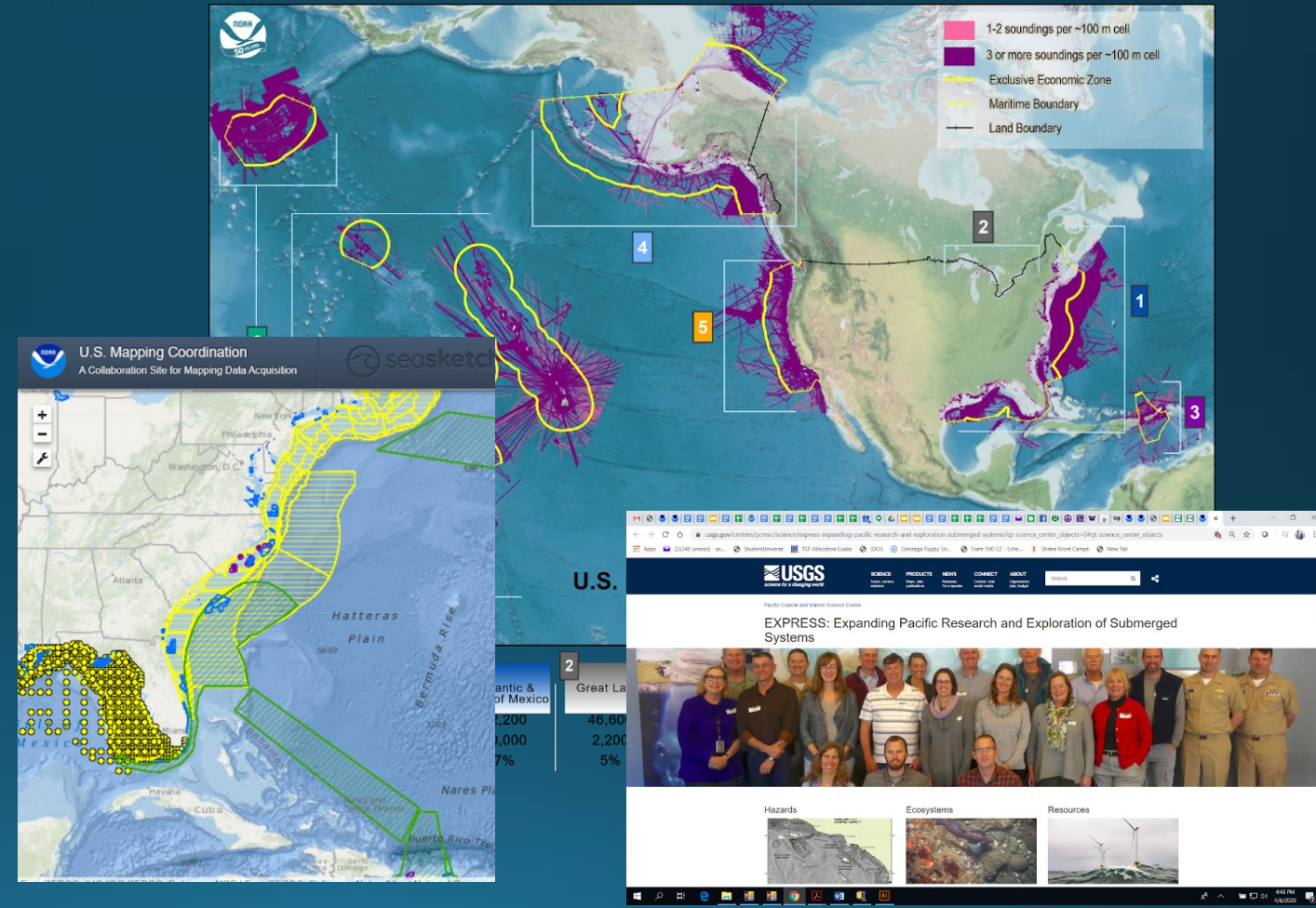
Goal 5: Build Partnerships Beyond Fed Agencies to Map, Explore, & Characterize

- Maximize Opportunities for Non-Federal Participation
- Foster Cross-Sector Engagement
- Inspire and Involve the Public



2.1 - Develop Standard Ocean Mapping Protocol

- For broadly applicable mapping
 - Guide data acquisitions and processing
 - Encourage widest access to data
 - Minimize duplication
 - Get data into public archives
 - Use national data standards
- Protocol to include specs for data types and timelines and protocols for data management and availability

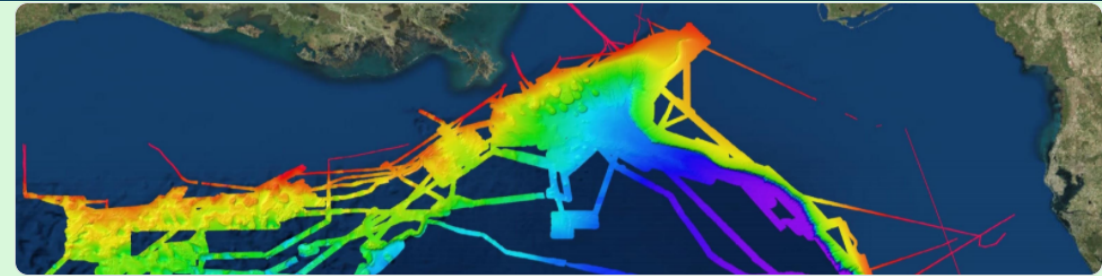


**ENGAGEMENT OPPORTUNITY

VIRTUAL Standard Ocean Mapping Protocol (SOMP) Symposium

- **When:** October 6-7, 2020
- **Purpose:** To enable non-federal stakeholders to learn about the SOMP protocol and provide an opportunity for comment on it.
- **Who should attend:** Academia, private sector, state/local government, and NGOs
- Public Comments and 5 min lightning talk abstracts welcome.
- To Register:

https://docs.google.com/forms/d/e/1FAIpQLScjH6boU8fDcVYPIxSXVJfxf_Gfn4H3Vac-2SgDmgoFkRtDEw/viewform



Standard Ocean Mapping Protocol Symposium Registration and Abstract/Comments Form

The National Strategy for Mapping, Exploring, and Characterizing the U.S. Exclusive Economic Zone (NOMEZ) was published in June 2020 (available at [iocm.noaa.gov/about/strategic-plans.html](https://www.iocm.noaa.gov/about/strategic-plans.html)). NOMEZ sets forth five goals and related objectives for mapping, exploring, and characterizing the U.S. EEZ, and for enhancing opportunities for collaboration among interagency and non-United States Government entities with respect to those activities. Objective 2.1 of the strategy calls for federal agencies to develop a Standard Ocean Mapping Protocol (SOMP) in order to facilitate mapping the U.S. Exclusive Economic Zone.

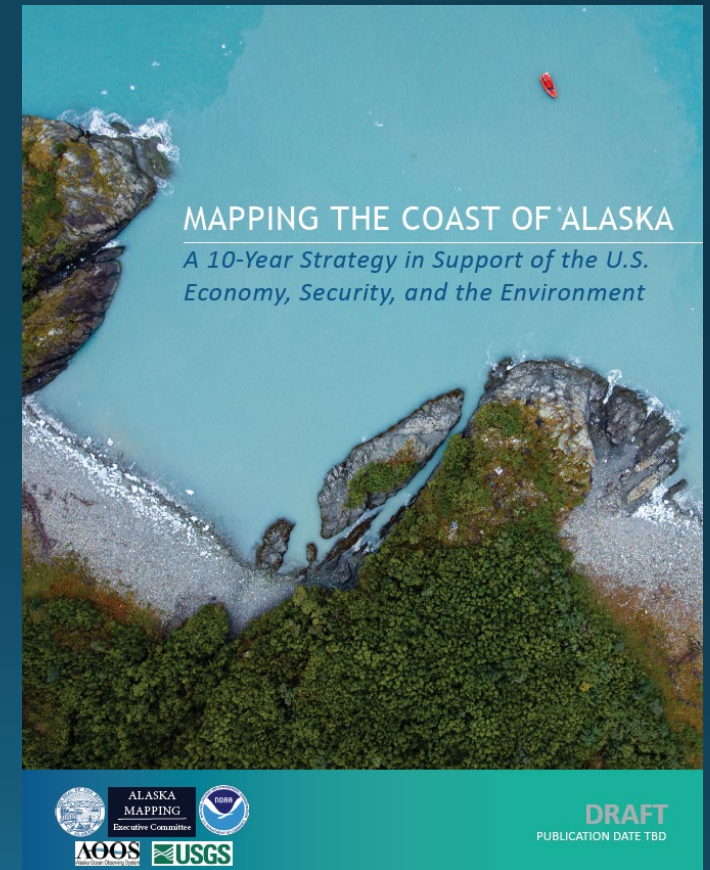


Alaska Coastal Mapping Strategy

Complete a strategy for mapping the Arctic and Sub-Arctic shoreline and nearshore of Alaska. NOAA to coordinate with the State of Alaska and the Alaska Mapping Executive Committee (AMEC).

Goals:

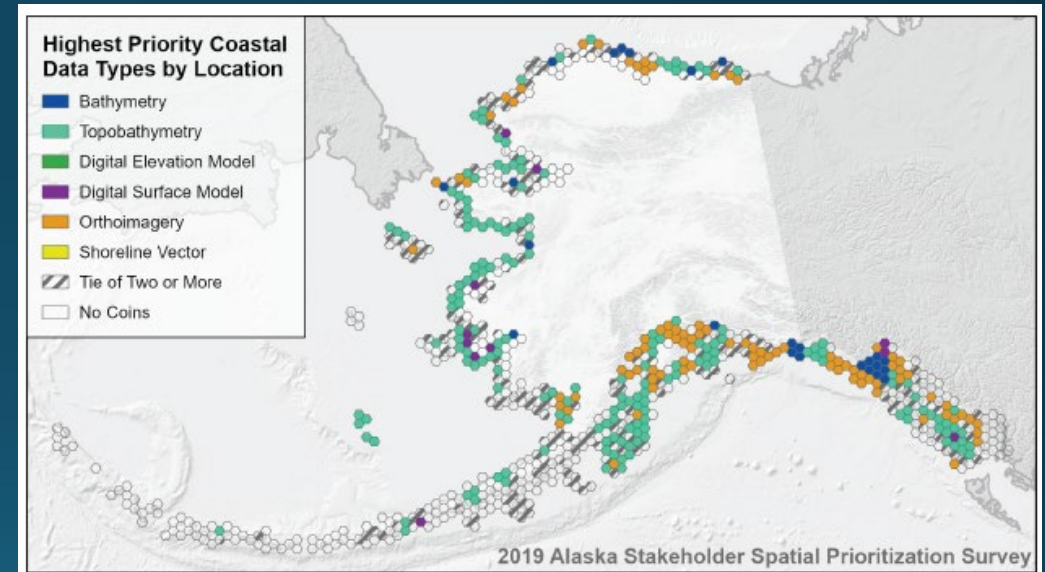
1. Build on existing mapping partnerships to meet Alaska's coastal mapping needs
2. Expand coastal data collection to deliver the priority geospatial products stakeholders require
3. Leverage innovation in mapping technology development
4. Conduct strategic communications to promote widespread stakeholder engagement



Alaska Coastal Mapping Strategy Goal 1

Goal 1: Build on existing mapping partnerships to meet Alaska's coastal mapping needs

- 1.1 Establish a team for Alaska coastal mapping implementation
- 1.2 Refine stakeholder mapping priorities, costs, and data standards
- 1.3 Resource the Alaska Coastal Mapping Implementation Plan
- 1.4 Integration with complementary AMEC priority mapping themes

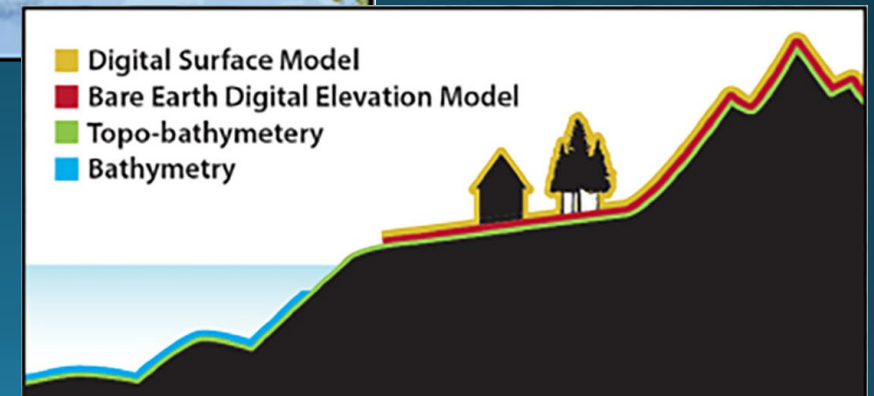


NOAA proposed the creation of a Coastal Mapping Technical Subcommittee at the April 2020 AMEC meeting. The Coastal Subcommittee was approved and is now focused on coordination and development of an [Alaska Coastal Mapping Implementation Plan \(12/20\)](#).

Alaska Coastal Mapping Strategy Goal 2

Goal 2: Expand coastal data collection to deliver the priority geospatial products stakeholders require

- 2.1 Execute an agile Alaska coastal mapping campaign
- 2.2 Upgrade Alaska National Spatial Reference System components to support mapping data acquisition
- 2.3 Produce and disseminate key datasets and products from Alaska coastal mapping data



Alaska Coastal Mapping Strategy Goals 3 & 4

Goal 3: Leverage innovation in mapping technology development

- 3.1 Upgrade Alaska climatology tool for smart application of satellite/airborne Lidar
- 3.2 Monitor and test new technologies for acquisition efficiencies

Goal 4: Conduct strategic communications to promote widespread stakeholder engagement

- 4.1: Strengthen stakeholder communications to grow participation in the Alaska coastal mapping campaign
- 4.2: Use online tools and technologies to communicate plans and performance

