

Implementation Plan

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 Communication to Promote Widespread Stakeholder Engagement

An aerial photograph of a coastal region, showing a river winding through a landscape of green marshes and fields. The water is a dark blue-grey color, and the surrounding land is a mix of vibrant green and yellowish-green. The sky is not visible, as the focus is on the ground and water.

Goal 1: Build on Existing Mapping Partnerships to Meet Alaska's Coastal Mapping Needs

Objectives:

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

Goal 1: Build on Existing Mapping Partnerships to Meet Alaska's Coastal Mapping Needs

Objective 1.1:

Establish a Team for Alaska Coastal Mapping Implementation

- ✓ Federal/State team
- Ensure stakeholder engagement -- how?
 - Summits
 - Plan comments
 - Other opportunities?
- Stakeholder requirements -- gather these!
- Execute!

Goal 1: Build on Existing Mapping Partnerships to Meet Alaska's Coastal Mapping Needs

Objective 1.2:

Refine Stakeholder Mapping Priorities, Costs, and Data Standards

- Inventory existing data
- Gather priorities
- Validate costs
- Interest in an Alaska Coastal Mapping Protocol?
 - Topography
 - Bathymetry
 - Orthoimagery

Goal 1: Build on Existing Mapping Partnerships to Meet Alaska's Coastal Mapping Needs

Objective 1.3:

Resource the Alaska Coastal Mapping Implementation Plan

- Inventory available resources
- Outline and streamline tools available
 - interagency agreements
 - contract vehicles
 - how to enable “buy up” options for more data or more stringent requirements
 - options for “spec data” from contractors
- Regular coordination meetings

An aerial photograph of a coastal region, showing a river flowing through a landscape of green wetlands and fields. The river is a prominent feature, winding through the terrain. The sky is clear, and the overall scene is a mix of natural and developed areas.

Goal 1: Build on Existing Mapping Partnerships to Meet Alaska's Coastal Mapping Needs

Objective 1.4:

Integration with Complementary AMEC Priority Mapping Priorities

- Coordinate across AMEC mapping themes (wetlands, hydrography, etc.)
- Maintain contact information for specific federal and state liaisons

An aerial photograph of a river and its surrounding landscape, including green fields and a road. A semi-transparent map overlay is centered on the image, showing the river's course and surrounding terrain. The text "Discussion POLL" is overlaid on the map.

Discussion POLL



Goal 1: Build on Existing Mapping Partnerships to Meet Alaska's Coastal Mapping Needs

Discussion/Comments

Objectives:

- 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

An aerial photograph of a river delta system, showing a main river channel branching into several smaller distributaries. The land is green, and the water is a light brownish-grey. A semi-transparent map overlay is centered on the image, showing the same geographical area with white lines representing the river channels and a light green background. The word "BREAK" is written in large, bold, black capital letters across the center of the map overlay.

BREAK

Goal 2: Expand Coastal Data Collection to Deliver the Priority Geospatial Products Stakeholders Require

Objectives:

2.1: Execute a Flexible 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

Goal 2: Expand Coastal Data Collection to Deliver the Priority Geospatial Products Stakeholders Require

Objective 2.1:

Execute a Flexible Alaska Coastal Mapping Campaign

- Divide the coast into manageable sections
- Create a 10 year plan based on priorities and expected capacity
- Develop flexible operational plans
 - FY2022
 - FY23-2030, based on lessons learned in FY22

Goal 2: Expand Coastal Data Collection to Deliver the Priority Geospatial Products Stakeholders Require

Objective 2.2:

Upgrade Alaska National Spatial Reference System Components to Support Mapping Data Acquisition

- New geoid model for Alaska
- Build out Foundation CORS in Alaska for NSRS
- Build out tidal datum control in Alaska
- Complete VDatum coverage for all of Alaska
- Establish real-time water level network where there are NWLON gaps

Goal 2: Expand Coastal Data Collection to Deliver the Priority Geospatial Products Stakeholders Require

Objective 2.3:

Produce and Disseminate Key Datasets and Products from Alaska Coastal Mapping Data

- Enable access to data
- Formats, metadata, access to existing data need attention
- Promote data interoperability
- Routinely evaluate usability of data products (digital elevation models, etc.)

An aerial photograph of a river system with a semi-transparent white rectangular overlay. The river flows from the top right towards the bottom center. The surrounding land is green and brown, with some buildings and roads visible in the upper left. The text 'Discussion POLL' is centered within the white overlay.

Discussion POLL

Goal 2: Expand Coastal Data Collection to Deliver the Priority Geospatial Products Stakeholders Require

Discussion/Comments

Objectives:

- 2.1: Execute a Flexible 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

An aerial photograph of a coastal region, likely in Alaska, showing a winding river, green fields, and a road. The image is used as a background for the text.

Goal 3: Leverage Innovation in Mapping Technology Development

Objectives:

3.1: Upgrade Alaska Climatology Tool for Smart Application of Satellite and Airborne Lidar Bathymetry

3.2: Monitor and Test New Technologies for Acquisition Efficiencies

An aerial photograph of a river delta, likely the Yukon River delta, showing a complex network of channels and wetlands. The water is a light greyish-blue, and the surrounding land is a mix of green and brown. A semi-transparent white rectangular box is overlaid on the lower portion of the image, containing text.

Goal 3: Leverage Innovation in Mapping Technology Development

Objective 3.1:

Upgrade Alaska Climatology Tool for Smart Application of Satellite and Airborne Lidar Bathymetry

- Use satellite imagery tools to evaluate water clarity for survey timing

The background of the slide is an aerial photograph of a river delta, showing a network of water channels and green land. A semi-transparent map overlay is visible, showing the same geographical area with a different color scheme (light green and tan) and a white outline of the river channels.

Goal 3: Leverage Innovation in Mapping Technology Development

Objective 3.2:

Monitor and Test New Technologies for Acquisition Efficiencies

- Track science and technology advancements
- Test/evaluate in Alaska's unique conditions
- Pilot projects

An aerial photograph of a river and its surrounding landscape. The river flows from the top right towards the bottom center. The banks are covered in green vegetation. In the top left, there are some buildings and a road. A semi-transparent map overlay is visible in the center, showing the river's course and surrounding terrain in shades of green and brown. The text "Discussion POLL" is centered over the map.

Discussion POLL



Goal 3: Leverage Innovation in Mapping Technology Development

Discussion/Comments

Objectives:

- 3.1: Upgrade Alaska Climatology Tool for Smart Application of Satellite and Airborne Lidar Bathymetry
- 3.2: Monitor and Test New Technologies for Acquisition Efficiencies



Goal 4: Conduct Strategic Communication to Promote Widespread Stakeholder Engagement

Objectives:

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

Goal 4: Conduct Strategic Communication to Promote Widespread Stakeholder Engagement

Objective 4.1:

Strengthen Stakeholder Communications to Grow Participation in the Alaska Coastal Mapping Campaign

- Use agency and AGC websites share data acquisition progress
- Provide updates to AMEC at biannual meetings
- Host annual Alaska Coastal Mapping Summits
- Engage with stakeholders in Alaska through conferences and workshops

Goal 4: Conduct Strategic Communication to Promote Widespread Stakeholder Engagement

Objective 4.2:

Use Online Tools and Technologies to Communicate Plans and Performance

- Online interactive maps of prioritizations and data
- Report and track progress
 - regular updates as datasets are acquired

An aerial photograph of a river system with a semi-transparent white rectangular overlay. The river flows from the top right towards the bottom center. The surrounding land is green and brown, with some buildings and roads visible in the upper left. The text 'Discussion POLL' is centered within the white overlay.

Discussion POLL



Goal 4: Conduct Strategic Communication to Promote Widespread Stakeholder Engagement

Discussion/Comments

Objectives:

- 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