Seabed mapping

### **Requester:** Bob McC. ([bob.mcconnaughey@noaa.gov](mailto:bob.mcconnaughey@noaa.gov); 206-526-4150)

### **Affiliation:** AFSC - RACE

## General Information

**2022 GF Eastern Bering Sea Shelf, Northern Bering Sea, Aleutian Islands**

* *Is this a new or a repeat collection?:* new
* *Collection type:* Haul / Instrument / Camera/ Net Mensuration/ Other
* *Project Funding Source:* Presidential decree
* *Is this project funding extra sea days?* yes
* *Is this project funding fuel costs?* no

**Project Description and Justification:** The goal is to collect calibrated ES-60 acoustic data to characterize seabed properties. Here’s a bunch of filler - I’ll see if I can overload the box with a gigantic word. %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

## Detailed Collection Procedures

**Detailed Collection Procedures:** A very sophisticated processing procedure will be used. See: <https://repository.library.noaa.gov/view/noaa/27128>

**Subsample Selectively:** [None]

**Estimated time:** Continuous background collections only require minimal monitoring of equipment status.Collections occurring contiu

## Biological Collection Details

* *Species To Be Collected:* [None] - [None]
* *Type of specimen to collect:* [None]
* *Specimen-level data to collect:* [None]
* *Specimen preservation method:* [None]

## Sampling Design Details

**Target Quantity:** No maximum or minimum quantity.

**Will the request still be useful if the requested amount or frequency of specimens collected is not achieved?** [None]

**What is the sampling protocol:** [None]

**Criteria for sub-sampling if selective or stratified sub-sampling:** [None]

## Geographic Region of Collection

**Survey:** Eastern Bering Sea Shelf, Northern Bering Sea, Aleutian Islands

**Place keywords:** Bristol Bay, GOA shelf break, Attu Island

**Bounding coordinates**

* *Northern Boundary:* 58.0, 56.0, 53.0
* *Southern Boundary:* 57, 55.00, 52.00009
* *Eastern Boundary:* -157, -150, 172
* *Western Boundary:* -158.12, -158, 171.99

## Chemicals, Supplies, Equipment, and Shipping

**Project Chemicals:**

* *Formaldehyde solutions:* [None]
* *Ethanol solutions:* [None]
* *glycerol/thymol:* [None]
* *DNA buffer (DMSO/EDTA/NaCl):* [None]

**Project Supplies:**

* *Supplies provided by the AFSC:* [None]
* *Supplies provided by the requester:* USB hard drives

**Detailed Shipping Instructions:** No additional shipping or handling required. Pack hard drives in Pelican case and return with survey equipment.

**Permits issued or pending:** No additional permits are required for this sampling