

EVOSTC Annual Project Report

1. Project Number: See, Reporting Policy at III (C) (1).

21200127

2. Project Title: See, Reporting Policy at III (C) (2).

Gulf Watch Ocean Acidification Sampling

3. Principal Investigator(s) Names: See, Reporting Policy at III (C) (3).

Jeff Hetrick
Robert Campbell
Steve Baird
Wiley Evans

4. Time Period Covered by the Report: See, Reporting Policy at III (C) (4).

February 01, 2021 to January 31, 2022

5. Date of Report: See, Reporting Policy at III (C) (5).

March 01, 2022

6. Project Website: See, Reporting Policy at III (C) (6).

The Alutiiq Pride Marine Institute (APMI) website: <http://www.alutiiqprideak.org>

7. Summary of Work Performed: See, Reporting Policy at III (C) (7).

a) Field Sampling Efforts

To date, APMI received a total of 817 samples for this project. A total of 141 samples were received from the Prince William Sound Science Center (PWSSC) and 676 were received from the Kachemak Bay Estuarine Research Reserve (KBNERR). All samples from KBNERR transects have been analyzed, and 130 samples from PWSSC transects have been analyzed, leaving 11 PWSSC samples to be processed. Final data QA/QC is underway for analyzed samples. Those data that have passed QA/QC have been disseminated via both [ResearchWorkspace](#) and the APMI website: <http://www.alutiiqprideak.org/oar>.

Table 1. Project milestones and task progress by fiscal year and quarter, beginning February 1, 2020. C = completed, X = planned or not completed. Fiscal year quarters: 1 = Feb. 1 – April 30; 2 = May 1 – July 31; 3 = Aug. 1 – Oct. 31; 4 = Nov. 1 – Jan. 31.

	FY20				FY21				FY22				FY23			
Milestones	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Milestone 1: List																
Collect Samples	C	C	C	C	C	C	C	C	C	X	X	X	X			

Milestone 2: List

Process	C	C	C	C	C	C	X	X	X	X	X
Samples											

Milestone 3: List

Annual Reports	C	C									
Final Report										X	

8. Coordination and Collaboration: See, Reporting Policy at III (C) (8).

a) Within EVOSTC Funded Projects

This project is a collaboration with a currently funded EVOSTC Gulf Watch project (21120114) under the Long-Term Monitoring Program (LTM). APMI has a long-standing relationship with PWSSC and KBNERR through collection and processing of seawater carbonate chemistry samples. This project is utilizing existing Gulf Watch scheduled cruises and sampling sites to collect water samples for seawater carbonate chemistry analysis, and only requires collaborating partners to collect and preserve additional water samples for analysis at APMI.

b) Outside of EVOSTC Funded Projects

APMI has been conducting seawater carbonate chemistry monitoring and research since 2013. In addition to the current project partnerships, APMI has been an active partner with Alaska Ocean Observing System (AOOS) and its Alaska Ocean Acidification Network (AOAN), Northwest Association of Networked Ocean Observing Systems (NANOOS), the University of Alaska, the University of Oregon, the Kasitsna Bay Laboratory, the U.S. National Park Service, and the Hakai Institute. APMI is a Tribally owned non-profit entity, and is concurrently conducting a seawater carbonate chemistry sampling program with its consortium of coastal village Tribes in the Chugach region, including; Chenega, Valdez, Eyak, Port Graham, and Nanwalek. Recently, APMI has engaged in partnerships with communities outside our focus region, including; King Cove, Nome, Kotzebue, Seldovia, Utqiagvik, and have recently added Diomede. These projects are in addition to the onsite continuous monitoring of seawater carbonate chemistry at APMI in Seward. Data obtained in this project will complement the suite of ocean monitoring efforts led by APMI to provide a comprehensive picture of baseline seawater carbonate chemistry conditions along the coastal margin of the spill-affected region.

9. Information and Data Transfer: See, Reporting Policy at III (C) (9).

a) Publications

None for this project to date

b) Conference presentations

Ramsay, J. 2022. Measuring the carbonate system in the coastal waters of Southcentral Alaska. Alaska Marine Science Symposium

c) Data and informative products developed

None for this project to date

d) Data uploaded/disseminated

Data are available to the general public via our website: www.alutiiqprideak.org.

10. Response to EVOSTC Review, Recommendations and Comments: See, Reporting Policy at III (C) (10).

Data dissemination: APMI is an active partner with AOOS and AOAN. Continuous data recorded at APMI are disseminated through both our website and these platforms. Discrete data collected for this project, as well as our Tribal sampling programs, are disseminated through the APMI website: <http://www.alutiiqprideak.org>.

11. Budget: See, Reporting Policy at III (C) (11).

No adjustments to the budget have been made.

Table 2. Proposed budget for FY20-22 and cumulative spending for this project to date.

Budget Category:	Proposed	Proposed	Proposed	TOTAL	ACTUAL
	FY 20	FY 21	FY 22	PROPOSED	CUMULATIVE
Personnel	15,075.00	15,075.00	15,075.00	45,225.00	14,482.59
Travel	-	-	-	-	29.21
Contractual	11,925.00	11,925.00	11,925.00	35,775.00	-
Commodities	250.00	250.00	250.00	750.00	1,469.88
Equipment	-	-	-	-	-
Indirect Costs (will vary by proposer)	4,239.00	4,239.00	4,239.00	12,717.00	2,429.58
SUBTOTAL	31,489.00	31,489.00	31,489.00	94,467.00	18,411.26
General Administration (9% of subtotal)	2,834.01	2,834.01	2,834.01	8,502.03	1,657.01
PROJECT TOTAL	34,323.01	34,323.01	34,323.01	102,969.03	20,068.27