



Exxon Valdez Oil Spill Trustee Council  
Proposal Amendment Form

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**Project Number:** 23160111-F

**Project Title:** Herring surveys and age, sex, and size collection and processing

**Principal Investigator(s):** Jennifer Morella, Alaska Department of Fish and Game

**Submission date:** 4/28/2023

Please check all the boxes that apply to this request.

**Changes to the original scope or objectives of the project.**

This amendment proposes to collect pollock samples for the USGS herring disease project (23120111-E) for the pollock ovivory study which was originally part of the now terminated walleye-pollock interactions project (22220203). This amendment will not change the original scope or objectives of this project. The objectives of this project are as follows and includes providing a vessel as a research platform for disease sampling.

1) Conduct spring aerial surveys to collect data on survey routes, location and linear extent of herring milt, classification of herring milt, herring school biomass; distribution and abundance of sea lions, other marine mammals and bird aggregations associated with herring or herring spawn; and other relevant environmental or anthropogenic observations.

2) Collect, process, summarize, and distribute age, sex, and size data from herring collected during acoustics surveys, spawning grounds surveys, Herring Disease Program surveys, or other relevant collections.

3) **Provide a vessel (*R/V Solstice*) as a research platform** for an adult acoustics survey, **disease sampling**, and collection of pre-spawn and spawning Pacific herring samples. Mean length from pre-spawn samples will be used to estimate Pacific herring target strength for the acoustics work.

**Personnel changes.**

No additional PIs to the project. The current PI of this proposal will collect the pollock eggs.



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**Budget reallocation request.**

Project 22220203 included the pollock collection for the USGS herring disease project (23120111-E) however the ADF&G component of project 22220203 was terminated. This amendment would reallocate a small portion of the funds from project 22220203 to 23170111-F for the pollock collection to achieve the pollock ovivory objective which is being proposed as an amendment to the USGS disease project.

Budget Category:		Proposed FY 22	Proposed FY 23	Proposed FY 24	Proposed FY 25	Proposed FY 26	5- YR TOTAL PROPOSED	ACTUAL CUMULATIVE
Personnel		\$0	\$0	\$6,200	\$6,200	\$0	\$12,400	
Travel		\$0	\$0	\$500	\$500	\$0	\$1,000	
Contractual		\$0	\$0	\$18,672	\$18,672	\$0	\$37,344	
Commodities		\$0	\$0	\$4,000	\$0	\$0	\$4,000	
Equipment		\$0	\$0	\$0	\$0	\$0	\$0	
Indirect Costs	Rate = 0%	\$0	\$0	\$0	\$0	\$0	\$0	
<b>SUBTOTAL</b>		\$0	\$0	\$29,372	\$25,372	\$0	\$54,744	
General Administration (9% of subtotal)		\$0	\$0	\$2,643	\$2,283	\$0	\$4,927	N/A
<b>PROJECT TOTAL</b>		\$0	\$0	\$32,015	\$27,655	\$0	\$59,671	
Other Resources (In-Kind Funds)							\$0	

This amendment is being requested for FY24 and FY25 to add a fieldwork task of pollock fish collection for USGS herring disease project (23120111-E). This includes *R/V Solstice* research vessel time, personnel time, and supplies (budget table attached). Personnel include bringing an additional technician to assist with the cruise. Travel from Anchorage to Cordova and per-diem for two days prior to and one day after the cruise is requested. Vessel time includes eight days of the *R/V Solstice*. \$4000 is requested to purchase appropriate capture gear (jigging machines or slinky pots).

**Milestone/task changes.**

Pre-spawn pollock would be collected using jigs or slinky pots in Prince William Sound in late February to mid-March. The targeted sample size is 60 gravid females. Eggs would be shipped to USGS immediately following collection.

Project milestones and tasks by fiscal year and quarter, beginning February 1, 2023. Fiscal Year Quarters: 1= Feb.1-April 30; 2= May 1-July 31; 3= Aug. 1-Oct. 31; 4= Nov. 1-Jan 31.

**Highlight** the line item to indicate an addition of a milestone/task. ~~Strikethrough~~ a line item to indicate the removal of a milestone/task.



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Milestone/Task	FY22				FY23				FY24				FY25				FY26			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>Milestone: Fieldwork</b>																				
Aerial surveys	X	X			X	X			X	X			X	X			X	X		
Acoustics and disease support survey	X				X				X				X				X			
Pollock egg collection									X				X							
<b>Milestone: Lab Analysis</b>																				
Herring ASL sample processing	X	X	X		X	X	X		X	X	X		X	X	X		X	X	X	
<b>Milestone: Data</b>																				
Quality control ASL data		X				X			X					X				X		
Quality control and editing of aerial shape files		X				X			X					X				X		
Analysis of aerial survey data			X				X			X					X				X	
Combing aerial survey shape files into historical version			X				X			X					X				X	
Upload previous FY data/metadata to workspace		X				X			X					X				X		
Distribute ASL sample summary			X				X			X					X				X	
<b>Milestone: Reporting</b>																				
Annual reports	X				X				X				X				X			
Summary reports				X				X				X				X				X
Final report																				
<b>Deliverables</b>																				
Data posted online		X				X				X				X				X		

Internal use only:

Fiscal Year of Request: FY23

Reviewed by ED?  No  Yes

Approved by TC?  No  Yes

Copy sent to fiscal managing agency(yes)?  No  Yes