

\*Please refer to the Reporting Policy for all reporting due dates and requirements.

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

14120111-P

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

PWS Herring Program- Genetic Stock Structure

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

Sharon Wildes and Jeff Guyon

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

February 1, 2014 - January 31, 2015

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

February 2015

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

<http://pwssc.org/research/fish/pacific-herring/>

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

Spawning herring was collected from eastern PWS, and from locations adjacent to the Sound, including Kayak Island. DNA was extracted from all collections. Several collections were found to be contaminated with (presumably) milt. This challenge has been mostly overcome (in all but two collections), by agitating the samples in a dilute bleach solution, and re-isolating DNA from the 'clean' tissue. 15 microsatellite markers have been optimized and we are in the process of obtaining data.

Collections of spawning herring have been obtained from multiple sites and multiple years from **eastern** PWS. If samples from other areas of the Sound could be obtained this spring (or next), then we will incorporate them into the study. Kayak Island spawning adult herring samples have been collected and integrated into the study. All samples have been collected from spawning populations. We agree that late stage embryos might possibly be used from other areas of the Sound, if adult spawners are unavailable.

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

- a) This study may coordinate with tagging studies in the future. This project receives fish from the validation and aerial survey projects after they have been processed by the Alaska Department of Fish and Game (ADF&G).
- b) No collaboration with other Trustee Council funded projects
- c) All herring from Prince William Sound in this project have been processed by Steve Moffitt of the Cordova office of ADF&G. This allows us to connect the samples to the age-sex-length information collected by ADF&G.

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

none

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

Samples from Kayak Island and other areas outside Prince William Sound are being analyzed.

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

Budget Category:	Proposed FY 12	Proposed FY 13	Proposed FY 14	Proposed FY 15	Proposed FY 16	TOTAL PROPOSED	ACTUAL CUMULATIVE
Personnel	\$0.0	\$0.0	\$17,500.0	\$0.0	\$0.0	\$17,500.0	\$17,500.0
Travel	\$0.0	\$0.0	\$3,400.0	\$3,400.0	\$0.0	\$6,800.0	\$3,400.0
Contractual	\$0.0	\$0.0	\$0.0	\$17,500.0	\$0.0	\$17,500.0	
Commodities	\$0.0	\$0.0	\$25,400.0	\$27,800.0	\$0.0	\$53,200.0	\$25,400.0
Equipment	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	
<b>SUBTOTAL</b>	\$0.0	\$0.0	\$46,300.0	\$48,700.0	\$0.0	\$95,000.0	\$46,300.0
General Administration (9% of	\$0.0	\$0.0	\$4,167.0	\$4,383.0	\$0.0	\$8,550.0	N/A
<b>PROJECT TOTAL</b>	\$0.0	\$0.0	\$50,467.0	\$53,083.0	\$0.0	\$103,550.0	
Other Resources (Cost Share Funds)	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	

**COMMENTS:**  
 This summary page provides an five-year overview of proposed funding and actual cumulative spending. The column titled 'Actual Cumulative' should be updated each fiscal year to provide information on the total amount actually spent for all completed years of the project. On the Project Annual Report Form, if any line item exceeds a 10% deviation from the originally-proposed amount; provide detail regarding the reason for the deviation.

As submitted



*We appreciate your prompt submission  
 and thank you for your participation.*