

**Bering Sea Fishermen's Association - Genetic Stock
Identification of Chinook Salmon Harvested**

**FY2024 Request: \$359,678
Reference No: 65058**

AP/AL: Appropriation
Category: Development

Project Type: Energy
Recipient: Bering Sea Fishermen's Association

Location: Statewide
Impact House District: Statewide (HD 1 - 40)
Estimated Project Dates: 07/01/2023 - 06/30/2028

House District: Statewide (HD 1 - 40)
Contact: Micaela Fowler
Contact Phone: (907)465-2506

Brief Summary and Statement of Need:
SCS1 Add.

Collection of genetic samples in the South Peninsula (Area M) management area with the primary goal to sample and genotype Chinook salmon harvested to identify their stock of origin.

Funding:	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	Total
1004 Gen Fund	\$359,678						\$359,678
Total:	\$359,678	\$0	\$0	\$0	\$0	\$0	\$359,678

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> Ongoing
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Prior Funding History / Additional Information:

Project Description/Justification:

The primary goal of this study is to sample and genotype Chinook salmon harvested in Area M to identify their stock of origin.

1. Collect genetic tissue (pelvic fin) from Chinook salmon caught in the Area M fishery over the 2023-2026 fishing seasons from June through August.
2. Select subsamples of genetic tissues in proportion to catch within designated areas and temporal strata.
3. Use genetic mixed stock analysis to estimate stock proportions of Chinook salmon in the South Peninsula strata using existing genetic reporting groups.
4. Report out annually to the legislature the results of the mixed stock analysis of Chinook salmon sampled from South Alaska Peninsula area commercial fisheries.

Genetic samples will be collected through temporally stratified sampling of the commercial harvest of Chinook salmon throughout South Alaska Peninsula fisheries from 2023 to 2026. Catch samplers will sample commercial harvest at

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processing facilities located at the three major South Alaska Peninsula fish processing ports: False Pass, King Cove, and Sand Point. Concurrent sampling of other species at the same processing facilities will result in cost savings. All genetic samples will be collected with standard ASL data (age, sex, and length). Genetic analysis will be accomplished by the ADF&G Gene Conservation Laboratory following standardized procedures using their existing statewide Chinook salmon genetic baseline.