

Alaska Sustainable Salmon Fund (AKSSF)  
**2011 STATEWIDE GOALS AND OBJECTIVES FRAMEWORK**

**Goal 1 – Habitat**

**Protect and restore freshwater, estuarine, and marine salmon and steelhead habitats to maintain resource productivity.**

<b>1A. Identify, protect, and manage spawning, rearing, incubation, overwintering, and migration habitats to mitigate or prevent human-induced perturbations beyond the bounds of natural variation.</b>
(1A-1) Quantify instream flow and lake level requirements for life stages of salmon and steelhead and secure reservations of water on important salmon- and steelhead-producing systems.
(1A-2) Catalog anadromous water bodies.
(1A-3) Identify and analyze location and patterns of important spawning, incubation, rearing, overwintering, and migration habitat.
(1A-4) Evaluate the individual and cumulative effects of human activities on salmon and steelhead habitat.
(1A-5) Establish baselines for water quality and quantity for salmon and steelhead water bodies.
(1A-6) Develop larger scale plans (e.g., at the scale of a watershed or stream system) to protect salmon and steelhead habitat or restore degraded habitat.
(1A-7) Protect salmon and/or steelhead habitat by land acquisition, easement or other mechanism.
(1A-8) Monitor development projects or activities to ensure protection of salmon and steelhead habitat.
<b>1B. Restore and protect habitat and fish passage.</b>
(1B-1) Identify, assess, prioritize, and/or plan for restoration and maintenance of fish passage and riparian, spawning, and rearing habitats.
(1B-2) Restore fish passage and riparian, spawning, and rearing habitats.
(1B-3) Evaluate the effectiveness of mitigation/restoration methods to continue to improve these methods.
<b>1C. Detect and predict short- and long-term changes in environmental conditions, including climate change, and how these changes affect salmon and steelhead distribution and productivity.</b>
(1C-1) Evaluate ocean, freshwater, and estuarine conditions and cycles that affect salmon and

steelhead productivity.
<b>1D. Identify, assess and minimize the interaction and impacts of invasive species (including aquatic plants, fish and pathogens) on salmon, steelhead and their habitat.</b>
<b>Objectives</b>
(1D-1) Determine the distribution and pathways of invasive species.
(1D-2) Determine the effects and potential effects of invasive species on salmon, steelhead and their habitat.
(1D-3) Implement measures to prevent and/or control invasive species effects on salmon, steelhead and their habitat.

## **Goal 2 – Stock Assessment**

**Collect information needed to sustain high potential productivity of wild salmon and steelhead stocks.**

<b>2A. Assess salmon and steelhead escapements and productivity. Evaluate escapement goals to achieve sustained yield and maintain production.</b>
(2A-1) Obtain reliable temporal/spatial estimates of escapements by age/sex/length.
(2A-2) Develop data analyses, databases, or models for establishing escapement goals.
(2A-3) Develop, evaluate, and implement methods to estimate escapement, including evaluating existing escapement estimates and developing cost-effective technologies to estimate a larger proportion of total escapements.
(2A-4) Estimate freshwater juvenile salmon production and/or marine survival.
(2A-5) Collect and/or analyze data regarding harvest or other sources of mortality.
(2A-6) Assess the prevalence and severity of pathogens that affect salmon or steelhead.
<b>2B. Identify and catalog stock aggregations and meta-populations.</b>
(2B-1) Collect and/or analyze genetic baseline material and/or use genetic baselines in stock composition analysis to fill gaps associated with management needs. (Proposer must provide a letter from the ADF&G Gene Conservation Laboratory that acknowledges the gap in baseline data or stock composition associated with management needs. This letter must be provided before the closing date and time for the Call for Proposals.)

## **Goal 3 – Salmon and Steelhead Management Systems**

**Improve and maintain effective and biologically sound management systems to regulate human activities that affect salmon and steelhead.**

<b>3A. Implement management systems to achieve cultural, social, and/or economic benefits</b>
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<b>within acceptable biological limits.</b>
(3A-1) Evaluate the effect of management actions on salmon populations utilized in subsistence fisheries and/or on subsistence fishing opportunities.
(3A-2) Collect and/or analyze data, and develop databases and models, for forecasting, risk assessment and other fishery management needs.
(3A-3) Describe subsistence uses of wild salmon and steelhead populations that are relevant to maintaining salmon and steelhead populations important for subsistence fisheries.
<b>3B. Minimize adverse impacts to wild stocks from enhancement.</b>
(3B-1) Assess effects of interactions between wild and hatchery (enhanced) stocks.
(3B-2) Develop, implement, and evaluate fish culture practices that minimize adverse interactions with wild stocks.
<b>3C. Restore self-sustaining wild salmon and steelhead stocks, where appropriate.</b>
(3C-1) For depressed wild salmon and steelhead stocks, identify limiting factors and/or take action to restore the population, where appropriate.

#### **Goal 4 – Long-Term Stewardship: Outreach & Education**

**Promote public involvement and support for sustained use and protection of salmon and steelhead and their habitat.**

<b>4A. Support effective public information and education about salmon and/or steelhead and their habitats.</b>
(4A-1) Develop and implement public information and education programs that foster public awareness and stewardship of salmon and/or steelhead populations and their habitats.
<b>4B. Increase public commitment to the sustained use and protection of salmon and/or steelhead through public involvement in habitat stewardship projects.</b>
(4B-1) Develop and implement outreach programs that include public participation in on-the-ground habitat monitoring, restoration, or other stewardship actions that benefit salmon and/or steelhead.
<b>4C. Support public access to technical information regarding salmon and/or steelhead and their habitats.</b>
(4C -1) Develop and support programs/systems to provide public access to technical information about salmon and/or steelhead and their habitats (e.g., web access to scientific data or research reports).