



STATE OF ALASKA
DEPARTMENT OF FISH AND GAME
Fish Resource Permit Application
 — **“Print & Fill-in” Form** —

A **FISH RESOURCE PERMIT** is required to take, possess, hold alive, or tag FISH AND THEIR EGGS (except goldfish and decorative tropical fish) FOR SCIENTIFIC OR EDUCATIONAL PURPOSES.

(in order to use this form over again as a “blank form” first re-name and save this as a new document)

Michael J. Peel	Organized Village of Kasaan
(Name of Applicant)	(Organization or School)

P.O. Box 26-KXA Kasaan, AK 99950
(type in complete mailing address including City, State, and Zip Code)

(907) 542-2230	(907)542-3006	mike@kasaan.org
(your Telephone Number)	(Fax Number)	(Email Address)

Same as above
(type in the name and address of the organization with which you are under contract)

I am making application to capture fish of the following species and number for the specified disposition (example: identify and release, measure and release, genetic sample and release, tag and release, sacrifice, transport, hold alive, etc.):

Species Common Name	Species Scientific Name	Life Stage	Number	Disposition*
Sockeye Salmon	Oncorhynchus nerka	adult	1000	Measure,,genetic,sample, release at weir
Sockeye salmon	Oncorhynchus nerka	adult	40-60	Measure,radiotag,sample, release at weir

*For multiple sample locations give detail of species and number and disposition in your study plan

I understand permits are only valid for dates within a calendar year; I am requesting this permit for the following period: (a new application is required each year)

2008	May 19	September 31
Year: (20__)	From: (month and day)	To: (month and day)

I wish to obtain the above fish [finfish, shellfish, amphibians] by means of:

Weir, beach seine, and dip net

(Specify gear type(s): minnow traps, hoop traps, fyke nets, gillnets, dip nets, spat collectors, etc.)

from the following location(s):

Hatchery Creek(55.30.00/133.00.00N) and its tributaries – Prince of Wales Island
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(Specify location(s), i.e., X River at latitude/longitude, or ESE of Pt. Barrow, or on Kodiak Island, etc.)

The purpose of the activities for which a permit is being requested: (a brief purpose statement)

To evaluate the biological structure and escapement of sockeye salmon into Hatchery Creek in cooperation with the Alaska Department of Fish and Game

(this area and other boxes will expand as you type)

 NOTE: A STUDY PLAN or RESEARCH PROPOSAL explaining the purpose and need, the objectives, and the procedures you will use must be included in/with this permit application:

Title: Hatchery Creek Population Assessment

Background:

Hatchery Creek is one of the largest tributaries to Sweetwater Lake. The lake, which is subsequently connected to saltwater via an outlet channel, serves as an adult staging area and likely provides a rearing area for juvenile *O. nerka*. A 1.5-meter waterfall is located approximately 0.4km upstream of the stream's confluence with Sweetwater Lake. It is thought that the majority of Hatchery Creek's adult sockeye spawn above the falls and their offspring rear in the lakes upper watershed. The falls are a major obstacle to upstream migration at all flows, and can delay migrating fish for weeks before they are able to negotiate the falls. The objective is to find out where these sockeye go to spawn in the lakes upper watershed after passage through the weir located upstream from the falls.

Objectives:

- 1) Estimate the spawning distribution of adult sockeye salmon in the Hatchery Creek lake system.
- 2) Estimate when they migrate in relation to water depth, temperature, and date.
- 3) Determine the proportion of radio tagged fish that make it to the spawning grounds.

Methods:

- 1) Dip net, radio tag, and release approximately 40-60 adult sockeye from those obtained from the fish trap located at the weir. Distribute transmitters early, middle, and late in the run. Will use Advanced Telemetry Systems or Lowtek esophageal pulse-coded transmitters.
- 2) Use a radio tag receiver/datalogger, and a switchable dual antennae system near the outlets of Hatchery Lake, Butterfly Lake, and Lake Galea to determine distribution.
- 3) In addition to tracking radio tagged fish with the fixed stations, project personnel will also track fish with hand held receivers and seek to find as many transmitters as possible.
- 4) All radio tracking equipment will be removed at the end of the season (September).

(Study Plan)

Final disposition of collected specimens* not to be released live at the site of capture will be:

Each sockeye will be held only long enough to insert tag into the fish's stomach. Extra effort will be made to keep fish in the water and release them with the least amount of stress as possible

*(specimens may not be consumed, sold, traded, or bartered, or used in any commercial manner)

The following people will participate in field collections under terms of this requested permit:

Cathy Needham	Richard Petersen	Michael Peel
		3 yet to be identified OVK field personnel

(If applicant is representing a corporation or institution, a certification of affiliation may be required which must be notarized and attached to this application).

(completed application must be submitted to):

Email Address:

Freshwater and estuarine environment collections (Division of Sport Fish):\n
tammy_davis@fishgame.state.ak.us

Marine environment collections (Division of Commercial Fisheries):\n
frpermits@fishgame.state.ak.us

or

Mailing Address:

Freshwater & estuarine environment collections:

**Alaska Department of Fish and Game
 Attn: Tammy Davis
 Division of Sport Fish
 P.O. Box 25526
 Juneau, AK 99802**

Marine environment collections and permits involving propagation. :

**Alaska Department of Fish and Game
 Division of Commercial Fisheries-Permits
 P.O. Box 25526
 Juneau, AK 99802-5526**