



STATE OF ALASKA
DEPARTMENT OF FISH AND GAME
P.O. BOX 115525
JUNEAU, ALASKA 99811-5525

Permit #: SF2008-159

Expires: 12/31/2008

Collections Report Due: 1/31/2009

FISH RESOURCE PERMIT
(For Scientific/Educational Purposes)

This permit authorizes Jonathan Armstrong (whose signature is required on page 2 for permit validation) person

of Fisheries Research Institute-University of Washington at Box 355020, Seattle, WA 98105
agency or organization address

to conduct the following activities from June 1, 2008 to December 31, 2008 in accordance with AS 16.05.930:

Purpose: To investigate the ability of juvenile salmonids to exploit pulsed marine subsidies in streams

Location: Lake Aleknagik Creeks: Bear/Ice/Sunshine/Big Whitefish/Yako
Wood River Creeks: Silver Salmon Lake Nerka Creek: Lynx

Species Collected: Charr, coho salmon, rainbow trout

Method of Capture: Stick seine

Final Disposition: The following fish:

<u>may be sacrificed:</u>	≤90 Rainbow trout fry	≤90 Charr fry	≤180 coho fry
<u>may be measured/released live:</u>	≤900 Rainbow trout fry	≤1500 Charr fry	≤5850 coho fry
<u>may be PIT tagged/released live:</u>		≤150 Charr fry	≤600 coho fry
<u>may be VIE tagged/released live:</u>			≤2000 coho fry
<u>may be gastric lavaged/released live:</u>		≤90 Charr fry	≤225 coho fry
<u>may be sampled for scales/released live:</u>			≤100 coho fry

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REPORT DUE January 31, 2009. The report shall include species, numbers, dates, and locations of collection (datum/GPS coordinates in the decimal degrees format (dd.ddddd)) and disposition, and if applicable, sex, age, and breeding condition, and lengths and weights of fish. *It must also include the date/time the local biologist was contacted for final authorization to carry out collecting activities. A completion report (abstract, background, methods, data, analysis), if not submitted with the collection report described above, must be submitted to the department by:* June/2009. Data from such reports are considered public information. The report shall also include other information as may be required under the permit stipulations section.

GENERAL CONDITIONS, EXCEPTIONS AND RESTRICTIONS

1. This permit must be carried by person(s) specified during approved activities who shall show it on request to persons authorized to enforce Alaska's fish and game laws. This permit is nontransferable and will be revoked or renewal denied by the Commissioner of Fish and Game if the permittee violates any of its conditions, exceptions or restrictions. No redelegation of authority may be allowed under this permit unless specifically noted.
2. No specimens taken under authority hereof may be sold or bartered. All specimens must be deposited in a public museum or a public scientific or educational institution unless otherwise stated herein. Subpermittees shall not retain possession of live animals or other specimens.
3. The permittee shall keep records of all activities conducted under authority of this permit, available for inspection at all reasonable hours upon request of any authorized state enforcement officer.
4. Permits will not be renewed until the department has received detailed reports, as specified above.
5. UNLESS SPECIFICALLY STATED HEREIN, THIS PERMIT DOES NOT AUTHORIZE the exportation of specimens or the taking of specimens in areas otherwise closed to hunting and fishing; without appropriate licenses required by state regulations; during closed seasons; or in any manner, by any means, at any time not permitted by those regulations.

Bob Piotrowski
Fish Resource Permit Coordinator
Division of Sport Fish

Robert Conry
for Director
Division of Sport Fish

6-3-08
Date

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Authorized Personnel: The following persons may perform collecting activities under terms of this permit:

Chris Boatright, Jackie Carter, Katy Doctor, Ray Hilborn, Neala Kendall, Peter Lisi, Juliette Mudra, Ali Paulsen, Thomas Quinn, Lauren Rogers, Casey Ruff, Daniel Schindler, Christina Stuart

Employees and volunteers under the direct supervision of, and in the presence of, one of the authorized personnel listed above may participate in collecting activities under terms of this permit.

Permit Stipulations:

- 1) The local Area Management Biologist, **Jason Dye** (842-2427; jason.dye@alaska.gov) Dillingham, must be notified prior to you engaging in any collecting activities. This biologist has the right to specify methods for collecting, as well as limiting the collections of any species by number, time and location.
- 2) All sampling tools (punches, clippers etc) that are inserted into or cut fish be placed in an iodophor bath with a 1:100 concentration between fish
- 3) Any fish that has the potential to be captured by anglers and **consumed** within 21 days after being anesthetized must be anesthetized by use of a Food and Drug Administration (FDA) approved anesthetic other than MS-222 or AQUI-S.
- 4) Gloves (cotton, etc.), boots, and collecting gear should be disinfected between streams to reduce the potential of pathogen transmission. A wash/rinse in 1/100 Betadine solution is adequate.
- 5) If anadromous fish are found in permitted streams and rivers, the permit holder will work closely with ADF&G to see that information is included in the database for the *Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes*. Anadromous fish include *Oncorhynchus spp.*, Arctic char, Dolly Varden, sheefish, smelts, lamprey, whitefish, and sturgeon. Please direct questions to J. Johnson, 267-2337 or j.johnson@alaska.gov
- 6) **Atlantic salmon** and other **non-native invasive aquatic species** encountered should be killed. The nearest ADF&G office (**see Stipulation # 1**) must be contacted immediately with species identification or description, capture or sighting location, number captured, size, and sex. Preserve/turn in the whole specimen to the nearest ADF&G office.
- 7) *A copy of this permit, including any amendments, must be made available at all field collection sites and project sites for inspection upon request by a representative of the department or a law enforcement officer.*
- 8) Issuance of this permit does not absolve the permittee from compliance in full with any and all other applicable federal, state, or local laws, regulations, or ordinances.
- 9) A **report of collecting activities**, referenced to this fish resource permit number, must be submitted to the Alaska Department of Fish and Game, Division of Sport Fish HQ, P.O. Box 115525, Juneau, AK 99811-5525, Attention: Bob Piorkowski (465-6109; Robert.Piorkowski@alaska.gov), within 30 days after the expiration of this permit. This report must summarize the number of fish captured by date, by location (provide GPS coordinates and datum), and by species, and the fate of those fish. Fish length, weight, sex, and age data should be included if collected. A completion report (abstract/background/methods /data/analysis), if not submitted with the collection report described above, must be submitted to the department within six months of the expiration of the permit. Data from such reports are considered public information. A report is required whether or not collecting activities were undertaken. A report should also be sent to the Biologist(s) listed under **Stipulation #1**.

PERMIT VALIDATION requires permittee's signature agreeing to abide by permit conditions before beginning collecting activities:

Signature of Permittee

cc: Jason Dye, Division of Sport Fish, Dillingham
Tim Sands, Division of Commercial Fisheries, Dillingham
Scott MacLean, ADNR, Office of Habitat Management and Permitting, Anchorage
Fish and Wildlife Protection, Anchorage