



STATE OF ALASKA
DEPARTMENT OF FISH AND GAME

Permit #: SF2009-067

P.O. BOX 115525
JUNEAU, ALASKA 99811-5525

Expires: 9/30/2009

Collections Report/Samples Due: 10/30/2009

FISH RESOURCE PERMIT
(For Scientific/Educational Purposes)

This permit authorizes

Matt Nemeth (whose signature is required on page 2 for permit validation)
person

of LGL Alaska Research Associates
agency or organization

at 1101 E 76th Ave., Anchorage, AK 99518
address

to conduct the following activities from April 20, 2009 to September 30, 2009 in accordance with AS 16.05.930:

Purpose: To gather information regarding smolt abundance, timing of fish movements, basic biology and overwintering dynamics of fish in the studied watershed.

Location: Chuit River.

Species Collected: Local species.

Method of Capture: Smolt weir, fyke net, inclined plane/minnow/rotary screw traps, hook-and-line.

Department Sample Requirements: The Department requests samples suitable for genetic analysis from 200 juvenile coho and 200 juvenile Chinook salmon from each of the following creeks; Lone/2003/2004 Creeks. Chinook salmon juveniles sampled must be large enough to survive sampling (see **Stipulation #7** for sampling information).

Final Disposition: Any number/species of fish (except no adult salmon) may be identified/measured/released alive at the capture sites.
≤50K coho/15K Chinook salmon (juveniles) may be ID'ed, measured, scale sampled and be given either a temporary caudal fin clip or a pelvic fin clip
≤200 juvenile coho, ≤50 juvenile Chinook salmon and ≤10 of each other species (not including adult salmon) may be killed and preserved for later laboratory analysis.

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REPORT DUE November 30, 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: March/2010.* 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 re delegation 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 Duvall
Fish Resource Permit Coordinator
Division of Sport Fish

Robert Bentley
for Director
Division of Sport Fish

4-2-09
Date

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

Amy Baker, Katie Christie, Chris Kaplan, Michael Link, Matthew Nemeth, Justin Priest, Benjamin Williams

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, **Dave Rutz** (746-6323; david.rutz@alaska.gov) Palmer must be notified **prior to you engaging in any collecting activities**. *The time/date of this contact must be included in your collections report (using the "data submission form" furnished by ADF&G).* 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) Each piece of unattended sampling gear must be; 1) labeled with the permittee's name, telephone number, and permit number, 2) securely tied to substrate, 3) allowed to soak no more than twenty-four hours at a time, 4) located with GPS coordinates, and 5) accounted for/ removed at the conclusion of sampling.
- 3) Salmon eggs used as bait in traps must either be; sterilized commercial eggs or, if raw, be disinfected prior to use. A 10-minute soak in 1/100 Betadyne solution or some other iodophor disinfectant is adequate.
- 4) Any instance of >10% collecting mortality requires sampling at a site to cease immediately and the biologist (**Stipulation #1**) consulted for directions.
- 5) 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.
- 6) 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
- 7) Please contact Judy Berger (907-267-2175, judy.berger@alaska.gov) to obtain sampling instructions and sampling supplies prior to the start of the sampling period. She requests one week notice prior to field deployment for scheduling time to assemble sampling supplies. Samples are required to be delivered to the Department by the sample due date listed in the heading of this permit.
- 8) **Atlantic salmon** and other **non-native invasive aquatic species** encountered should be killed. The nearest ADF&G office (**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.
- 9) *A Title 16 Fish Habitat Permit is required from the Division of Habitat, Alaska Department of Fish and Game, to place structures (weir, etc.) in fish-bearing streams.*
- 10) 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.
- 11) 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.
- 12) 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), and to the Biologist listed under **Stipulation #1** 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.

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

Signature of Permittee

cc: Dave Rutz, Division of Sport Fish, Palmer
Mark Fink, Division of Sport Fish, Anchorage
Bert Lewis, Division of Commercial Fisheries, Cordova
Mike Bethe, Division of Habitat, Palmer
Fish and Wildlife Protection, Palmer