



STATE OF ALASKA
DEPARTMENT OF FISH AND GAME

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

Permit #: SF2009-143

Expires: 10/31/2009

Collections Report Due: 11/30/2009

FISH RESOURCE PERMIT
(For Scientific/Educational Purposes)

This permit authorizes Aaron Dupuis (whose signature is required on page 2 for permit validation)
person
of University of Alaska Fairbanks-SFOS at 905 Koyukuk Drive Room 245 O'Neil, Fairbanks, AK 99775
agency or organization *address*

to conduct the following activities from May 29, 2009 to October 31, 2009 in accordance with AS 16.05.930:

Purpose: To study the seasonal movements of the target species in the subject location

Location: Minto Flats-Chatanika River Complex

Species Collected: Humpback whitefish, least cisco

Method of Capture: Fyke/gill/hoop nets (**Stipulation #7**)

Final Disposition: The following fish may be radio-tagged and released:
 ≤ 100 adult humpback whitefish ≤ 15 least cisco
Fish caught during the collecting of acceptable-size fish for radio transmitter implants may be identified, measured and released alive at the capture site.
All unintended mortalities must be recorded w/carcasses returned to water at capture site.

-Continued on Back-

COLLECTIONS REPORT DUE November 30, 2009. The report, using a template furnished by ADF&G, 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: April/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 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 Pirolowski
Fish Resource Permit Coordinator
Division of Sport Fish

Robert Bentley
for Director
Division of Sport Fish

6-1-09
Date

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

Charles Caster, Aaron Dupuis, Lorena Edenfield, Trent Sutton

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 (AMB), Audra Brase (459-7244; audra.brase@alaska.gov) Lower Tanana River, 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 AMB has the right to specify methods for collecting, as well as limiting the collections of any species by number, time and location.
- 2) Any instance of >25% unintended collecting mortality requires sampling at a site to cease immediately and the AMB contacted.
- 3) All sampling tools (punches, clippers etc) that are inserted into or cut fish be placed in an iodophor bath (or comparably effective disinfectant) with a 1:100 concentration between fish
- 4) Because the use of Aqui-S as a fish sedative is specifically prohibited by the FDA and MS-222 is prohibited from being used on any fish that may be eaten by humans for 21 days after treatment, the Division of Sport Fish position is that food grade clove oil, purchasable at grocery stores, is the most logical choice with the least concern for liability as a fish anesthesia for tagging and telemetry studies.
- 5) 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) placed in a location where they will not be easily noticed (e.g. under cut banks, in pools away from roads or trails), 4) allowed to soak no more than twenty-four hours at a time, 5) located with GPS coordinates, and 6) accounted for/ removed at the conclusion of sampling.
- 6) Radiotelemetry may be used in the Federal Communications Commission (FCC) assigned frequency band range approved for use by your agency/organization. If you desire to operate in the frequency band approved for other agency use, you are required to coordinate with that agency at the appropriate level.
- 7) Gill nets must be constantly/closely monitored to minimize incidental fish, bird, and mammal mortalities.
- 8) If anadromous fish species new to permitted streams and rivers are found, 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
- 9) If samples suitable for genetic analysis are collected under this permit and are still in the permittee's possession, the permittee agrees to provide them to the GCL within three months of a request by ADF&G.
- 10) Atlantic salmon and other non-native invasive aquatic species encountered should be killed. Contact the nearest ADF&G office (**Stipulation #1**) 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.
- 11) *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.*
- 12) 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.
- 13) 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 AMB 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: Audra Brase, Division of Sport Fish, Fairbanks
Fred Bue, Division of Commercial Fisheries, Fairbanks
Mac McLean, Division of Habitat, Fairbanks
Fish and Wildlife Protection, Fairbanks