



STATE OF ALASKA
DEPARTMENT OF FISH AND GAME

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

Permit #: SF2009-099

Expires: 10/31/2009

Collections Report: 11/30/2009

FISH RESOURCE PERMIT
(For Scientific/Educational Purposes)

This permit authorizes Brian Neilson (whose signature is required on page 2 for permit validation)
of USFS-Cordova Ranger District at Box 280, Cordova, AK 99574
agency or organization address

to conduct the following activities from May 1, 2009 to November 1, 2009 in accordance with AS 16.05.930:

Purpose: To continue research on the habitats, diet, growth, movements and migration of humpback whitefish

Location: Mckinley/North Martin Lakes in the Copper River Delta

Species Collected: Humpback whitefish and local species

Method of Capture: Fyke/gill net, beach seine, hook-and-line

Final Disposition: ≤20 adult humpback whitefish (≥200 gm in wt.) may be captured/anesthetized (**stipulation #2**)/implanted with FLOY/pit/radio-acoustic tags/scale sampled/released alive within 300m of capture site.
Any number of humpback whitefish may be captured/anesthetized (**stipulation #2**)/measured/pit tagged/gastric lavaged/scale sampled/released alive within 300m of capture site.
Any number of other specie captured must be released alive at the capture site.

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REPORT DUE November 30, 2008. 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 Pirkowski
Fish Resource Permit Coordinator
Division of Sport Fish

Robert Condy
for Director
Division of Sport Fish

4-29-09
Date

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

Ken Hodges, Tim Joyce, Deyna Kuntzsch, Sean Meade, Brian Nielson, Gordie Reeves

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 Biologist (AMB), **Dan Bosch** (267-2153; dan.bosch@alaska.gov) Anchorage; **Sam Hochhalter** (424-3213; samul.hochhalter@alaska.gov) Cordova, 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). These AMB can specify methods for collecting, as well as collections by species/ number/time/location.
- 2) 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.
- 3) Hook-and-line may not be used to collect whitefish from April 15 through June 15 when spawning cutthroat are present.
- 4) Gillnets must be continuously attended to minimize incidental fish, bird, and mammal mortalities; if **incidental mortality for one of the following species (cutthroat trout, Dolly Varden, or pre-spawning or spawning coho salmon, or sockeye salmon) exceeds 5 in a given system, sampling must cease.**
- 5) A valid Alaska sport-fishing license must be in the possession of any individual using hook-and-line gear.
- 6) All sampling tools (punches, clippers etc) that are inserted into or cut fish must be placed in an iodophor bath with a 1:100 concentration between fish.
- 7) 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.
- 8) **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.
- 9) 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
- 10) **Atlantic salmon and other non-native invasive aquatic species** encountered should be killed. The AMB (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.
- 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 ADF&G, Division of Sport Fish HQ, P.O. Box 115525, Juneau, AK 99811-5525, Att.: 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: Dan Bosch, Division of Sport Fish, Anchorage
Steve Moffitt, Division of Com Fish, Cordova
Scott Maclean, Division of Habitat, Anchorage

Sam Hochhalter, Division of Sport Fish, Cordova
Bert Lewis, Division of Com Fish, Anchorage
Fish and Wildlife Protection, Palmer