



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

Permit No. SF2007-056

Expires: 12/31/2007

Report Due 1/31/2008

FISH RESOURCE PERMIT
(For Scientific/Educational Purposes)

This permit authorizes Brent Fenty (whose signature is required on page 2 for permit validation)
person

of HDR, Alaska Inc. at 2525 "C" Street Suite 305, Anchorage, AK99503
agency or organization address

to conduct the following activities from March 15, 2007 to December 31, 2007 in accordance with AS 16.05.930:

Purpose: To characterize freshwater fish and other aquatic resources that may be impacted by future Alaska Department of Transportation improvements to the Seward Highway from Potter Marsh to Ingram Creek.

Location: All freshwater habitats adjacent to the Seward Highway between mileposts 75 (Ingram Creek) to 90 (Girdwood) and the following Creeks; Falls/Indian/ Kerns/Little Rabbit/ McHugh/ Peterson Potter/ Rabbit/ Rainbow/Virgin.

Species Collected: chinook/chum/coho/sockeye/pink salmon, Dolly Varden, slimy sculpin, three and nine spine stickleback, eulachon (eggs).

Method of Capture: Minnow traps, fyke nets, beach seines and backpack electrofisher.

Final Disposition: ≤500 juveniles of each of the following species: chinook/chum/sockeye/pink salmon, Dolly Varden, slimy sculpin (adults too), may be identified, measured, and released.
≤15 benthic samples for later microscopic determination of eulachon egg presence.
≤ 1000 juvenile coho salmon may be identified, measured and released.
≤ 20 Juvenile salmon spp. may be killed and preserved for later species identification.
≤2000 juveniles/adults of each of the following species: three and nine spine stickleback may be identified, measured and released.

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REPORT DUE January 31, 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. A completion report detailing the results of any data analysis for the project, 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. 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 Parkhurst
Fish Resource Permit Coordinator
Division of Sport Fish

W. McCreary Jr
Director
Division of Sport Fish

3/12/07
Date

SF-2007-056 continued (page 2 of 2)

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

Patrick Blair, Erin Cunningham, Brent Fenty, Andra Love, Paul McLarnon, Mac Salway, Dylan Watts

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 Biologists (**Matt Miller** (267-2415; matt_miller@fishgame.state.ak.us) Anchorage; **Dan Bosch** (267-2153; dan_bosch@fishgame.state.ak.us) Anchorage) must be notified **prior** to you engaging in any collecting activities. These Biologists have the right to specify methods for collecting, as well as limiting the collections of any species, and the number of specimens collected by time and area.
- 2) Salmon eggs used as bait in traps must be disinfected prior to use. A 10 minute soak in 1/100 Betadine solution or some other iodophor disinfectant is adequate.
- 3) If any 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, sturgeon and stickleback. Please direct questions to J. Johnson, 267-2337 or j_johnson@fishgame.state.ak.us
- 4) Electroshocking is currently discouraged, but not prohibited by the department. Electroshockers **may not** be used in anadromous waters in the presence of adult salmonids, adult trout or adult char. In areas where other means of capture are not feasible, only one pass is allowed. Operators of electroshockers must have formal training.
- 5) All unattended collecting gear must be attached to the substrate, located with a GPS unit, and labeled with the permittee's name, telephone number, and permit number. All fish collecting traps must be accounted for and removed from the water at the conclusion of sampling.
- 6) **Atlantic salmon** and any other **non-native invasive aquatic species** that you encounter during your sampling should be killed. In such an event please contact the nearest ADF&G office (see # 1 above) ASAP with species identification or description, capture location or location of sighting if capture is not possible, number captured, size, and sex. Preserve and turn in the whole specimen to the nearest ADF&G office.
- 7) A Title 41 Permit is required from Alaska Department of Natural Resources, Office of Habitat Management and Permitting, to place structures (weir, etc.) in streams.
- 8) 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.
- 9) 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.
- 10) 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; Bob_Piorkowski@fishgame.state.ak.us), 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 or a map), and by species, and the fate of those fish. Fish length, weight, sex, and age data should be included if collected. A completion report detailing the results of any data analysis for the project, 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 in the Permit Stipulations section.

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

Signature of Permittee

cc: Matt Miller, Division of Sport Fish, Anchorage
Dan Bosch, Division of Sport Fish, Anchorage
Tracy Lignau, Division of Commercial Fisheries, Anchorage
Stewart Seaberg, ADNR, Office of Habitat Management and Permitting, Anchorage
Fish and Wildlife Protection, Palmer