



STATE OF ALASKA  
DEPARTMENT OF FISH AND GAME

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

Permit #: SF2008-163

Expires: 12/31/2008

Collections Report Due: 1/31/2009

FISH RESOURCE PERMIT  
(For Scientific/Educational Purposes)

This permit authorizes Betsy McGregor (whose signature is required on page 2 for permit validation)  
person

of R2 Resource Consultants at 2600 Cordova St., Suite 211, Anchorage, AK 99503  
agency or organization address

to conduct the following activities from June 15, 2008 to December 31, 2008 in accordance with AS 16.05.930:

**Purpose:** To conduct fish resource baseline studies related to the development of the Pebble Mine

**Location:** North/South Forks Koktuli River, Upper Talarik Creek, the 2000' wide transportation corridor from the proposed Pebble mine site to Iniskin Bay on Cook Inlet.

**Species Collected:** All local species

**Method of Capture:** Beach seines, minnow traps, block/dip nets, backpack electrofisher (see Stipulation #7)

**Final Disposition:** Any number of individuals and species may be collected/identified/measured and released alive at the site of capture.

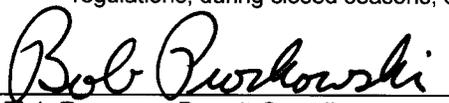
All unintended mortalities must be recorded and returned to the site of capture.

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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 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.

  
Fish Resource Permit Coordinator  
Division of Sport Fish

  
for Director  
Division of Sport Fish

6-11-08  
Date

## **SF2008-163 continued (page 2 of 2)**

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

**Crystal Castle, Shawna Castle, Mike Cooksey, Paul Devries, Stephen Dotomain, Mike Gagner, Randy Jeric, MaryLouise Keefe, Betsy McGregor, Marianne Profita, Dudley Reiser, Matt Reiser, Nicholas Romero, Gene Sandone, Judith Simon, Elizabeth Smith, Tim Sullivan, Dan Van Hees, Brian Van Winkle**

*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](mailto: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) If a 1:9 clove oil/ethanol mixture is used to anesthetize small fish, the strength should be no more the 30mg/l unless that that concentration proves ineffective.
- 4) 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.
- 5) 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.
- 6) Gloves (cotton, etc.), boots, and collecting gear should be disinfected between systems to reduce the potential of pathogen transmission. A wash/rinse in 1/100 Betadyne solution is adequate.
- 7) 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. Before electrofishing may begin, stream reaches to be electrofished must be blocked off and snorkeled surveyed to insure no adult salmonids are present. No more than three passes with the electrofisher are allowed. All mortalities must be recorded with carcasses returned to the stream at the capture site. If mortalities exceed 10% of fish captured in a particular pass, electrofishing must cease. IF ANY adult salmon, trout, or char are encountered (either visually or "shocked"), electrofishing must cease immediately in that reach. Operators of electroshockers must have formal training.
- 8) **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.
- 9) *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.*
- 10) 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.
- 11) **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](mailto: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:**

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**Signature of Permittee**

cc: Jason Dye, Division of Sport Fish, Dillingham  
Mark Fink, Division of Sport Fish, Anchorage  
Tim Sands, Division of Commercial Fisheries, Dillingham  
Scott Maclean, ADNOR-OHMP Anchorage  
Fish and Wildlife Protection, Anchorage