



STATE OF ALASKA
DEPARTMENT OF FISH AND GAME

333 Raspberry Road
ANCHORAGE, ALASKA 99518

Permit No. **SF2017-128**

Expires: **9/30/2017**

FISH RESOURCE PERMIT
(For Scientific/Collection Purposes)

This permit authorizes:

Dolph Schluter

(whose signature is required on page 3 for permit validation)

Of

University of British Columbia – Zoology Department
6270 University Boulevard, Vancouver, BC Canada V6T 1Z4
(604) 822-2387 **schluter@zoology.ubc.ca**

to conduct the following activities from **May 1, 2017** to **September 30, 2017** in accordance with AS 16.05.930 and AS 16.05.340(b).

Purpose: To inventory adaptive genes and pathways and establish baseline genomic data for the target species, which will be used to examine for adaptive variation in response to environmental conditions.

Location: Juneau Management Area marine and freshwaters including: Auke Bay and freshwaters draining into Auke Bay (Auke Lake and Creek, Bay Creek, Waydelich Creek, Auke Nu Creek); Fritz Cove and freshwaters draining into Fritz Cove (Mendenhall Lake and River, Montana Creek, Duck Creek, Jordan Creek, Casa del Sol); freshwaters draining into Favorite Channel (Eagle and Herbert rivers and tributaries, Saturday Creek, and other creeks accessible along the Glacier Hwy); freshwaters draining into Berners Bay (Cowee Creek and tributaries)
Sitka Management Area marine and freshwaters including: Warm Spring Bay, Salt Lagoon, and freshwaters draining into Warm Springs Bay

Species: Threespine stickleback

Method of Capture: Minnow trap (Stipulations #6–7)

Final Disposition: ≤300 threespine stickleback may be sacrificed and retained for later analyses. All stickleback captured in excess of this amount, or other species captured incidentally, should be immediately released unharmed back into capture site waters.
≤2 individuals of each unknown species may be killed and saved for later identification.
All unintended mortalities must be recorded and returned to capture site waters.

COLLECTION REPORT DUE October 31, 2017 and RESEARCH REPORT DUE March 31, 2018; see Stipulations #2 and #3 for more information. Data from such reports are considered public information. Reports must be submitted by email (dfg.dsf.permitcoordinator@alaska.gov) or by mail to: Alaska Department of Fish and Game, Division of Sport Fish-HQ, 333 Raspberry Rd, Anchorage, AK 99518. A report is required whether or not collecting activities were undertaken.

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, bartered, or consumed. 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 detailed reports, as specified in the Stipulations section, have been received by the department.
5. UNLESS SPECIFICALLY STATED HEREIN, this permit does not authorize the exportation of specimens or the taking of specimens outside of existing regulations.


Permit Coordinator
Division of Sport Fish


Director
Division of Sport Fish

4-12-17
Date

SF2017-128 continued (page 2 of 3)

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

Dolph Schluter, Carling Gerlinsky, Andrew Szabo, Carolyn Bergstrom

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) must be contacted for final authorization **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).* AMBs have the right to specify methods for collecting, as well as limiting the collections of any species by number, time, and location.
Dan Teske (465-8152; daniel.teske@alaska.gov) – Juneau
Troy Tydingco (747-5355 or 738-1911; troy.tydingco@alaska.gov) – Sitka
- 2) **A report of collecting activities, referencing this fish resource permit, must be submitted within 30 days after the expiration of this permit.** The report (using a data submission form furnished by ADF&G), shall include all species, numbers, dates, 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 handled. It must also include the date/time the local biologist was contacted for final authorization to carry out collecting activities.
- 3) **A report of research activities, referencing this fish resource permit, must be submitted within 6 months after the expiration of this permit.** This report should present the research conducted in a format similar to a scientific paper including the following: introduction (objective of the study plan and hypothesis), methods, and results. The report is intended to show that the specimens were used in a scientific method, and allows for the evaluation of potential cumulative effects from multiple projects in the same area. A report is required whether or not collecting activities were undertaken.
- 4) An instance of >10% unintended collecting mortality requires sampling at a site to cease and the AMB contacted.
- 5) Each piece of unattended sampling gear must be: 1) labeled with the permittee's name, telephone number, and permit number, 2) properly secured to ensure retrieval, 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 and removed at the conclusion of sampling.
- 6) Salmon eggs used as bait in traps must either be sterilized commercial eggs or, if raw, disinfected prior to use. A 10-minute soak in 1/100 Betadyne solution or some other iodophor disinfectant is adequate. Commercial eggs must be placed into a container that does not allow the fish to consume them (e.g., film canister with holes punched in it or a perforated plastic bag).
- 7) Gloves, boots, and collecting gear should be cleaned and disinfected between streams to reduce the potential of pathogen transmission and the spread of invasive species. Clean all equipment free of sediment, vegetation, and seeds, and then wash/rinse in 1/100 Betadyne solution or soak in 10% bleach solution for a minimum of 10 minutes. Felt or absorbent soles on waders and wading boots are prohibited.
- 8) If new anadromous fish species or previously undocumented life stages of anadromous fish are found in permitted streams, rivers, and lakes, 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** (907-267-2337; j.johnson@alaska.gov).
- 9) Contact **Tammy Davis** with the ADF&G Invasive Species Program (907-465-6183 or 1-877-INVASIV), and the nearest AMB (**Stipulation #1**) within 24 hours should you find any species suspected to be a **non-native species** during your sampling. If possible the organism should be killed, preserved by freezing or placing into 90% alcohol, and taken to the nearest ADF&G office. Please take a photo of the organism, as well as a photo of the organism in the environment in which it was observed, and note the location with a GPS or by describing it on a map with landmarks.
- 10) No fish may be possessed live or transported live without a valid Fish Transport Permit (FTP) obtained from the Alaska Department of Fish and Game.
- 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 securing any other required state, federal, or local permits, including securing permissions to trespass on controlled lands.

SF2017-128 continued (page 3 of 3)

- 13) Failure to comply with the conditions of this permit will result in the loss of future permitting privileges.
- 14) PERMIT VALIDATION requires permittee's signature agreeing to abide by permit conditions before beginning collecting activities:



Signature of Permittee

ecc: Dan Teske, Division of Sport Fish, Douglas
Dave Love, Division of Sport Fish, Douglas
Troy Tydingco, Division of Sport Fish, Sitka
Matt Catterson, Division of Sport Fish, Sitka
Dave Harris, Division of Commercial Fisheries, Douglas
Eric Coonradt, Division of Commercial Fisheries, Sitka
Jackie Timothy, Division of Habitat,
Michelle Morris, Commercial Fisheries Permit Coordinator, Juneau
Colonel Bear, Alaska Wildlife Troopers
Captain Hall, Alaska Wildlife Troopers Southern Detachment