



Washington
Department of
**FISH and
WILDLIFE**

WASHINGTON STATE SCIENTIFIC COLLECTION PERMIT

Washington Department of Fish and Wildlife

Please see **SCIENTIFIC/EDUCATION COLLECTION PERMIT (SCP) INSTRUCTIONS**
Attach a brief Study Plan, Applicant Qualifications and \$117.00. Allow **60 days** for possessing.

Applications and annual reports can be submitted via e-mail to scp@dfw.wa.gov or standard mail to:

WDFW Licensing SCP
600 Capitol Way North
Olympia, WA 98504-3150

If you have questions please contact:

phone: (360) 902-2464, Option 4

e-mail: scp@dfw.wa.gov

Permit Number (WDFW Use): **GOSSELIN 16-059** Revised

1. APPLICANT INFORMATION

Name: Jennifer Gosselin	Agency: Northwest Fisheries Science Center
Phone: 206.861.8220	Address: 2725 Montlake Blvd E
E-mail: Jennifer.gosselin@noaa.gov	Seattle WA 98112

2. SUB-PERMIT HOLDERS

Name:	Number:	Name:	Number:	Name:	Number:
Jesse Lamb	509.542.4020	Paul Chittaro	206.861.7617	Matthew Nesbit	509.542.4020
Brian Beckman	206.860.3461	Tiffani Marsh	206.860.3235	Meredith Journey	206.860.3277
Dina Spangenberg	206.302.2401	Ken Tiffan	509.538.2299 x 279		

3. THIS APPLICATION IS:

<input checked="" type="checkbox"/> New	<input type="checkbox"/> Renewal of last year's Permit # _____
<input type="checkbox"/> Amendment to Permit # _____	<input type="checkbox"/> SALVAGE PERMIT ONLY

4. PURPOSE OF COLLECTION OR HANDLING (check both if applicable)

<input type="checkbox"/> Instruction/Education Display
<input checked="" type="checkbox"/> Research/Scientific Investigation (includes ELECTROFISHING)

5. RESEARCH OBJECTIVES (check all that apply):

<input checked="" type="checkbox"/> Aging	<input type="checkbox"/> Behavior	<input checked="" type="checkbox"/> Physiology	<input type="checkbox"/> Artificial Propagation
<input type="checkbox"/> Census	<input type="checkbox"/> Presence/Absence	<input type="checkbox"/> Population Distribution	<input checked="" type="checkbox"/> Life History
<input checked="" type="checkbox"/> Lab Use	<input checked="" type="checkbox"/> Pathology	<input checked="" type="checkbox"/> Tissue Sampling	<input checked="" type="checkbox"/> Genetic
<input type="checkbox"/> Stream Typing	<input type="checkbox"/> Other: _____		

6. PERMIT TIMELINE*:

Project Start Date: March 26, 2016	Project End Date: October 31, 2016
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<div style="border: 1px solid black; padding: 2px; display: inline-block;">Permit Expiration Date (WDFW Use Only): 10/31/2016</div>	*SCPs are valid for a maximum of 12months.
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7. TYPE OF ANIMALS TO BE COLLECTED OR HANDLED:

<input type="checkbox"/> Wildlife*	<input checked="" type="checkbox"/> Fish	<input type="checkbox"/> Aquatic Invertebrates – specify:	<input type="checkbox"/> Marine	<input type="checkbox"/> Freshwater
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8. SPECIFIC TYPE(S) (check all that apply):

<input type="checkbox"/> Non-Raptor Birds	<input type="checkbox"/> Marine Fishes	<input checked="" type="checkbox"/> State and/or Federal Threatened or Endangered Species detail:
<input type="checkbox"/> Raptors	<input checked="" type="checkbox"/> Freshwater Fishes	_____
<input type="checkbox"/> Mammals	<input type="checkbox"/> Reptiles/Amphibians	
<input type="checkbox"/> Bats	<input type="checkbox"/> Terrestrial Invertebrates	

9. COLLECTION INFORMATION:			
Species Requested –	Stream Section for Fish; Specific Location & County	Lethal take or Live Permanent Removal	Non-lethal take or Salvage
Chinook	Ice Harbor Dam Juvenile Fish Facility – Walla Walla	750	2,728
Steelhead		0	1,988
Sockeye		0	131
Chinook	McNary Dam Juvenile Fish Facility – Benton	250	663
Steelhead		0	33
Sockeye		0	27
Chinook	Bonneville Dam Juvenile Fish Facility – Skamania	1,000	2,557
Steelhead		0	945
Sockeye		0	564
Coho		0	1,684
Chum		0	11
Chinook	Lower Granite Dam Juvenile Fish Facility – Garfield March 26 – July 31	1,000	4,468
Steelhead		0	3,207
Sockeye		0	241
	or		
	August 1 – October 31		
	Little Goose Dam Juvenile Fish Facility – Columbia		

10. METHODS OF COLLECTION:	
<input type="checkbox"/> Firearms are being used for this collection.	
Lethal: Sampling subsamples euthanized with MS-222	Species: All listed
Non-lethal: By-catch from smolt monitoring will be anesthetized. Do not expect incidental mortalities	Species: All listed
Salvage:	Species:
Electrofishing: <input type="checkbox"/> Backpack <input type="checkbox"/> Boat	Species:
11. MARKING (check all that apply):	
<input type="checkbox"/> Band <input type="checkbox"/> Mark <input type="checkbox"/> Other (please describe): _____	
<input type="checkbox"/> Fit with radio/acoustic telemetry transmitters: Max # of Transmitters _____ Radio Frequencies/Tag Codes _____	
12. DISPOSITION OF SPECIMENS (check all that apply):	
<input type="checkbox"/> Display Permanent – Dead	<input type="checkbox"/> Display Temporary - Dead
<input type="checkbox"/> Display Permanent – Live	<input type="checkbox"/> Display Temporary – Live
<input type="checkbox"/> Live Housing Research of Laboratory use – Permanent	
<input type="checkbox"/> Live Housing Research of Laboratory use – Temporary	
<input checked="" type="checkbox"/> Immediate Release at Capture Site	
<input type="checkbox"/> Relocated to Wild (additional permits may be required; wildlife may not be captured and relocated without a permit)	
<input type="checkbox"/> Carcass disposal at site	<input type="checkbox"/> Display Temporary – Dead
<input checked="" type="checkbox"/> Euthanize	
<input checked="" type="checkbox"/> Other: After lab tissue processing and dry mass measurements, then carcass disposal through City of Seattle general waste disposal, or biological or toxic waste disposal, whichever appropriate	

GENERAL PERMIT CONDITIONS:

1. A Scientific Collection Permit is non-transferable.
2. A copy of this permit must be in the possession of any person exercising the privileges authorized by this permit.
3. The Permit Holder is responsible for ensuring that all Sub-Permit Holders are qualified and experienced to conduct the specified activities, including collection by firearms and comply with all conditions of this permit. Only those Sub-Permit Holder(s) listed on the permit are authorized to engage in permitted activities.
4. Please note that compliance with Scientific Collection Permit requirements and permit conditions does not ensure compliance with federal, local, or other state laws. Collection of state or federal endangered or threatened species, state sensitive species, or state or federal candidate species is prohibited unless specifically authorized in this permit. Collection of game birds or game animals is prohibited unless specifically authorized in this permit. Collection of migratory birds, marine

mammals, and any species listed under the federal Endangered Species Act may require a federal permit before collecting. For any collection/research activity of marine mammals and/or federally-protected anadromous and marine fish species, etc., contact NOAA-National Marine Fisheries Service at <http://www.nmfs.noaa.gov/Endangered.htm> or 503-230-5400. For any collection/research activity of migratory birds, resident fish species (Bull Trout) and/or federally-protected wildlife, contact U.S. Fish and Wildlife Service at <http://endangered.fws.gov> or 360-753-9440.

5. This permit does not authorize collection from **non-WDFW** protected lands or waters (may include but not exclusive to: parks, reserves, refuges, natural areas, conservation areas, tribal lands, monuments, etc.). This permit does not authorize trespassing on private or restricted public lands. Additional permits issued by other state and local agencies, tribal governments, or landowners/managers may be required.
6. No collection shall occur in WDFW Marine Preserves or Conservation Areas (see <http://wdfw.wa.gov/fishing/mpa>), or Wildlife Areas unless permission is obtained from the Area manager. Contact the appropriate WDFW Regional Office for information. Regional office information is listed at <http://wdfw.wa.gov/about/regions>.
7. Specimens acquired under this permit remain the property of the state and will not be offered for sale or sold or used for commercial purposes or human consumption. Exchange or transfer of specimens, unless otherwise specified in this permit, requires prior written approval from the Director of WDFW.
8. Employees of WDFW have the right to inspect the collection activities authorized by this permit.
9. Vessels engaged in collection activities shall display a sign "RESEARCH," readable at 100 feet to unaided vision.
10. Permit Holders using unattended equipment must have attached to that equipment, a tag clearly marked with the permit number and name and current address of the Permit Holder. The address used may be that of the organization the Permit Holder represents, e.g., university, company, or corporation.
11. Permit holders may only use FDA approved fish anesthesia.
 - a) **MS-222** may not be used at times/in places where fish may be subject to "catch and keep" fisheries within 21 days;
 - b) **Clove oil** may not be used at all;
 - c) **AQUI-S®** may be used as an alternative to MS-222.
 - i. To use AQUI-S® 20E as an immediate release sedative in freshwater fish for field-based activities, permit holder must sign up to participate in USFWS-AADAP INAD 11-741 and must comply with the requirements as set forth in the INAD Study Protocol for AQUI-S® 20E (for more information about aquatic animal drugs, AQUI-S® 20E, or to apply to participate in USFWS-AADAP INAD 11-741 go to www.fws.gov/fisheries/aadap or contact the USFWS-AADAP INAD Administrator Bonnie Johnston at Bonnie.Johnston@fws.gov or 406-994-9905).
 - d) Carbon dioxide can be used as a fish anesthetic as per FDA rules and requires no withdrawal time;
 - e) As alternative to chemicals, electro-anesthesia can be used as a fish anesthetic and requires no withdrawal time.
12. Unless otherwise specified in this permit, release of specimens is allowed only at the exact capture site immediately after capture. Release of fish and marine and freshwater invertebrates at any other site or time requires a transport, release, or planting permit. Relocating wildlife and releasing wildlife other than at the location of capture requires a special permit. The conditions of this permit may specify that no release of certain specimens is allowed. Contact WDFW Fish Program (360-902-2700) or Wildlife Program (360-902-2515) for further information.
13. Temporary holding of wildlife is permitted for identification only. Individuals must be released at site of capture, unless they exhibit evidence of disease.
14. Wildlife Salvage — Notify the WDFW immediately if any State or Federally listed Threatened or Endangered species are encountered or salvaged and any salvaged State or Federal Threatened or Endangered Species must go to a major research collection such as WSU Conner Museum, University of Puget Sound Slater Museum of natural History, or UW Seattle Burke Museum, or as directed by the WDFW.

Reporting Requirements:

Permit renewal is contingent upon submission of a complete Annual Report. Reports must be submitted to WDFW upon completion of the display, education, or research project or the expiration date of the permit, whichever comes first, and must be received no later than 60 days after the expiration of the permit. All reports submitted to WDFW shall include Permit Holder's name and permit number and all required information on the Annual Report Form.

For **anadromous fish and freshwater collections**, the report shall include the 1) Date of collection; 2) Species name (for invertebrates, to the lowest taxonomic level possible); 3) Numbers of each species encountered and/or retained; 4) Location of each sample site, including county, water body, and latitude/longitude or GPS coordinates; 5) Disposition of specimens. This information is to be recorded at each capture site and includes ALL species encountered (or impacted by the collection activity) even if not retained or meant for the study

For **marine collections**, the report shall include the 1) Date of collection; 2) Species name (to the lowest taxonomic level possible); 3) Numbers of each species encountered and/or retained; 4) Location of each sample site, including county, water body, and latitude/longitude or GPS coordinates; 5) Disposition of specimens. This information is to be recorded at each

capture site and includes ALL classified and unclassified species encountered (or impacted by the collection activity) even if not retained or meant for the study.

IN ADDITION for:

- i. **Rock scallops** (*Crassodoma gigantea*) include: specific location, mortality of any rock scallop during collection, exact position and depth of specimens collected, and shell length measured from edge to edge at the widest part of the shell.
- ii. **Octopus** (*Enteroctopus dofleini*) include: specific location, individual weight, depth, and sex of octopus taken.

For **wildlife collections**, the annual report shall include all categories on the Annual Report Form including the 1) Date of collection; 2) Species name (common and scientific) with numbers collected, numbers released, and disposition of individuals; 3) Location of collection including GPS coordinates, number of accidental mortalities.

SPECIAL CONDITIONS:

To prevent the spreading of aquatic invasive species, permit holder shall follow the procedures in the attachment, WDFW Protocols For Field Work Version 2 dated November 2012 (or the latest version of this document). For additional information on aquatic invasive species, please visit the WDFW website at <http://wdfw.wa.gov/ais/>.

Aliquots of any tissue samples collected, together with accompanying collection and biological data, may need to be provided to WDFW for potential future use by its staff or by others. Prior to sampling, permit holders must contact the WDFW Molecular Genetics Lab at 360-902-2774 (<http://wdfw.wa.gov/genetics/index.htm>) regarding this condition.

Aquatic Invasive Species (AIS) Conditions:

Permit holder is required to humanely euthanize all collected aquatic invasive species (AIS) classified as "Prohibited aquatic animal species" under WAC 220-12-090 except as noted below for transport purposes. Collection of all Prohibited level 1 species¹ must be reported immediately to WDFW with photos of the species and specimens saved until provided to WDFW or directed to dispose. All other prohibited AIS must be euthanized before being removed from the immediate vicinity of the water body where collected and then disposed of in a public landfill system or chemically preserved. Collection and disposal of all other prohibited AIS must be included in a report submitted to WDFW within 30 days using the online reporting form noted below.

Permit holder may transport live prohibited AIS outside the immediate vicinity of the water body where collected only under the following conditions:

1. Transport to nearest WDFW regional office or headquarters for purpose of identification; AND
2. Transported in a secure container to prevent release of either the AIS or any associated water, plant, sediment, animal, or other materials; OR
3. Transported as authorized by a separate WDFW AIS Permit secured prior to collection.

Contact information:

WDFW Headquarters: 360-902-2700 and request Aquatic Invasive Species Unit Staff

Online reporting form: www.wdfw.wa.gov/ais/reporting

Toll-free: 888-933-9247

¹ Includes: Zebra mussels (*Dreissena polymorpha*), quagga mussels (*Dreissena rostriformis bugensis*), European green crab (*Carcinus maenas*), and all members of the genus Eriocheir (including Chinese mitten crabs), all members of the walking catfish family (Clariidae), all members of the snakehead family (Channidae), silver carp (*Hypophthalmichthys molitrix*), largescale silver carp (*Hypophthalmichthys harmandi*), black carp (*Mylopharyngodon piceus*), and bighead carp (*Hypophthalmichthys nobilis*).

ESA-listed Species

1. ESA listed fish must not be handled if water temperatures exceed 21°C (69.8°F).
2. Each ESA listed fish must be handled out-of-water for the purpose of recording biological information must be anesthetized. Anesthetized fish must be allowed to recover (e.g., in a recovery tank) before being released. Fish that are simply counted must remain in water but do not need to be anesthetized.
3. When using methods that capture a mix of species, ESA-listed fish must be processed first.
4. Permit holder shall apply measures that minimize risk of harm to listed and unlisted fish. These measures include but are not limited to: limitations on the duration (hourly, daily, weekly) of trapping, limits on trap holding duration of listed fish prior to release; application of procedures to allow safe holding and careful handling and release of listed fish; and allowance for free passage of listed fish when trapping facilities are not being actively operated.

The following information shall be provided to WDFW in addition to the information required in the annual report for each fish collected these fields should be added to the annual report form):

1. Fork length (mm)
2. Weight (g)
3. De-scaled >20% - Yes or No
4. Injuries observed

An Annual Report must be submitted before renewal of next year's permit is granted. Under **RCW 77.15.660**, a violation of the terms or conditions of the scientific permit or any WDFW rule applicable to the issuance or use of the permit is a gross misdemeanor if the violation involves big game or big-game parts. It is also a gross misdemeanor under **RCW 77.15.660** to purchase or sell big game or big-game parts that were taken or acquired with a scientific permit. Under **RCW 77.15.160**, a violation involving anything other than big game or big-game parts is an infraction.

By signing below, the permittee agrees to abide by the conditions set forth in the Scientific Collections Permit issued by the Washington Department of Fish and Wildlife. Permittee agrees to all of the conditions outlined in WAC 220-20-045 and RCW 77.32.240. I also certify that if **firearms** are being used for collection under this permit all persons who will use firearms are legally capable of possessing firearms (per WAC 220-20-045(3)(e)).

This permit is not valid until signed by the permit holder and returned to WDFW either electronically or through the mail.



April 12th, 2016

Signature of Permit Holder

Date

Signature of WDFW Representative

Date

THIS PERMIT CAN BE REVOKED OR MODIFIED AT THE DISCRETION OF THE DIRECTOR OR THE DIRECTOR'S DESIGNEE.