



WASHINGTON STATE SCIENTIFIC COLLECTION PERMIT Washington Department of Fish and Wildlife

Please see **SCIENTIFIC/EDUCATION COLLECTION PERMIT (SCP) INSTRUCTIONS**
(separate document) for completing this application. This form must be used, typed and all

sections must be completed. Incomplete applications will be returned and result in a delay in the issuance of your permit. An Annual Report must be received before a renewal permit can be issued.

Applications and annual reports must be submitted via e-mail to scp@dfw.wa.gov.

Please allow up to **60 days** for processing. Due to the review process, SCP applications cannot be expedited.

Attach a brief Study Plan and Applicant Qualifications. **PLEASE SEE INSTRUCTIONS.**

A **\$117.00 fee** is required with the application (per RCW 77.32.240).

If you have questions, please contact:

WDFW Licensing Division SCP

PO Box 43154

Olympia, WA 98504-3154

Phone: (360) 902-2464, Option 4

E-mail: scp@dfw.wa.gov

Permit Number (WDFW Use Only): **COUSINS 22-232**

WHO:	1. APPLICANT INFORMATION			
	Name: Christopher Cousins		Agency: Oregon State University	
	Phone Number: 7072985377		Mailing Address: Nash Hall 2829 SW Campus Way	
	E-mail: Christopher.cousins@oregonstate.edu		City: Corvallis	State: OR
			Zip Code: 97330	
	2. SUB-PERMIT HOLDERS			
	NAME/PHONE NUMBER:		NAME/PHONE NUMBER:	
	Tiffany Garcia / 5412313971		Colton Wise - 8322448271	
	Lindsay Millward – 6156180213		Jasmine Williamson – 7064997742	
	Lauren Diaz – 3522158565			
	3. THIS APPLICATION IS:			
	<input checked="" type="checkbox"/> New		<input type="checkbox"/> Renewal of last year's Permit #	
	<input type="checkbox"/> Amendment to Permit # _____			
	4. PURPOSE OF COLLECTION OR HANDLING			
	<input type="checkbox"/> Instruction/Education Display			
	<input checked="" type="checkbox"/> Research/Scientific Investigation (includes ELECTROFISHING)			
	<input type="checkbox"/> Salvage (deceased animals only)			
	<input type="checkbox"/> Fish Rescue/Relocation			
	5. RESEARCH OBJECTIVES:			
	<input type="checkbox"/> Aging	<input type="checkbox"/> Behavior	<input type="checkbox"/> Physiology	<input type="checkbox"/> Artificial Propagation
<input type="checkbox"/> Census	<input type="checkbox"/> Presence/Absence	<input type="checkbox"/> Population Distribution	<input type="checkbox"/> Life History	
<input type="checkbox"/> Pathology	<input checked="" type="checkbox"/> Genetic	<input type="checkbox"/> Stream Typing		
<input type="checkbox"/> Other: _____				

WHEN:	6. PERMIT TIMELINE*:	
	Project Start Date 08/01/2022	Project End Date 07/31/2023

Permit Expiration Date (WDFW Use Only): **31 JULY 2023**

*SCPs are valid for a maximum of 12 months.

7. TYPE OF ANIMALS TO BE COLLECTED OR HANDLED:

☒ Wildlife ☐ Fish ☐ Terrestrial invertebrates ☐ Aquatic Invertebrates – indicate below:
☐ Marine ☐ Freshwater

8. SPECIFIC TYPE(S) (check all that apply):

Wildlife	Fish	
<input type="checkbox"/> Non-Raptor Birds	<input type="checkbox"/> Marine Fishes	<input checked="" type="checkbox"/> State and/or Federal Threatened or Endangered Species
<input type="checkbox"/> Raptors	<input type="checkbox"/> Freshwater Fishes	Species Detail: <u>Rhyacotriton cascadae</u>
<input type="checkbox"/> Mammals		Proof of Federal Authorization (Permit # or BiOP):
<input type="checkbox"/> Bats		
<input checked="" type="checkbox"/> Reptiles/Amphibians		

**DO NOT ALTER WORD TABLE FORMAT, OR COPY AND PASTE ANOTHER TABLE.
APPLICATIONS RECEIVED WITH ALTERED FORMATS WILL BE RETURNED FOR CORRECTION.**

9. COLLECTION INFORMATION (cont. at bottom of application)

Species Requested – Both Common & Scientific names are required.		Specific Location & County (County must be included)	Max # of Lethal Take or Live Permanent Removal	Max # of Non-lethal Take or Salvage
Common Name	Scientific Name	Stream Section for Fish		
Cascade Torrent Salamander	<i>Rhyacotriton cascadae</i>	Thurston, Pierce, Lewis, Skamania, Cowlitz, and Clark	0	200

HOW:

10. METHODS OF COLLECTION:

☐ Firearms are being used for this collection.

Lethal Methods:

N/A

Species:

N/A

Non-lethal Methods:

Netting

Species:

Rhyacotriton cascadae

Salvage Methods:

N/A

Species:

N/A

Body-gripping traps:

☐ Padded Foot-hold
☐ Non-strangling type Foot Snare

Species:

N/A

Electrofishing:

☐ Backpack ☐ Boat

Species:

N/A

11. MARKING:

☐ Band ☐ Mark ☐ Other (please describe):

☐ Fit with radio/acoustic telemetry transmitters: Max # of Transmitters _____ Radio Frequencies/Tag Codes

12. DISPOSITION OF SPECIMENS:

☐ Display Permanent – Dead

☐ Display Temporary - Dead

☐ Display Permanent – Live

☐ Display Temporary – Live

☒ Tissue sampling

☐ Laboratory use

☐ Live Housing Research of Laboratory use – Permanent

☐ Live Housing Research of Laboratory use – Temporary

☒ Immediate Release at Capture Site

☐ 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"/> Euthanize
<input type="checkbox"/> Other (please describe):

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 <https://wdfw.wa.gov/fishing/management/mpa/marine-preserves> or <https://wdfw.wa.gov/fishing/management/mpa/conservation-areas>), 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 <https://wdfw.wa.gov/about/regional-offices>.
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 and 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 <https://www.fws.gov/fisheries/aadap/inads/AQUI-S20E-INAD-11-741.html> or contact the USFWS-AADAP INAD Administrator Bonnie Johnson at bonnie_johnson@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 prior to a request for renewal of the permit*, whichever comes first, and a final report 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. The Annual Report must be submitted as an MS Excel file. PDF versions are **not** acceptable. The correct downloadable Annual Report Form can be found by scrolling down the page at <https://wdfw.wa.gov/licenses/environmental/scientific-collection#>.

*If renewal application is submitted prior to completion of project or expiration of permit being renewed, a partial Annual Report may be submitted, but a complete final report must be submitted within 60 days of completion of the project or permit's expiration date.

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:

Amphibians and Reptiles

1. Provide the following information for animals captured:
 - a. Date of collection.
 - b. Species common and scientific name.
 - c. Number collected, number released, and disposition of retained individuals.
 - d. Location of collection. Include one of the following:

- i. Legal description (township, range, section and ¼ and 1/16 section)
 - ii. Map with location indicated
 - iii. UTM or lat/long coordinates/GPS coordinates
2. **WDFW is concerned about the spread of disease**, particularly chytrid fungus, by researchers working with pond-breeding amphibians. WDFW is asking Scientific Collection Permittees to initiate the following measures after visiting ponds/wetlands to reduce the potential of disease transmission:
 - a. All field equipment including shoes and cages should be sterilized. It is recommended that field equipment be dipped in a 10% bleach solution or an anti-fungal/anti-bacterial solution for 10 minutes, and then rinsed with clear water.
 - b. Please remember that bleach solutions don't work in the presence of organic matter (dirt, mud, blood, feces). All items to be disinfected must first be cleaned of organic matter. Bleach solutions lose their effectiveness over time, so a fresh solution should be made up at the beginning of every field day.
3. For amphibian and reptile trapping, the permittee must make a good faith effort to check traps frequently enough to prevent significant mortality.
4. Salvage refers to animals found dead. The permittee must not intentionally kill, or cause to be killed, any amphibian or reptile that is State Listed, State Protected or Species of Greatest Conservation Need (SCGN) unless the permit specifically allows for intentional lethal take. See <https://wdfw.wa.gov/species-habitats/at-risk/swap> and <https://wdfw.wa.gov/species-habitats/at-risk/listed>

No release of amphibians or reptiles back to the wild after being held in the laboratory.

Bullfrogs.

Bullfrogs are classified as a prohibited aquatic animal species (RCW 77.112.020 and WAC 220-12-090). **Permit holder is required to humanely euthanize all collected aquatic invasive species (AIS) classified as “Prohibited aquatic animal species”.** If you are removing any Aquatic Invasive Species alive (such as bullfrogs to a lab) from point of capture, an Aquatic Invasive Species permit is required. Bullfrogs may be removed from point of capture without an Aquatic Invasive Species permit if euthanized before transporting.

African clawed frogs.

African clawed frogs (*Xenopus laevis*) are classified as a prohibited level 3 species under RCW 77.135.030 and WAC 220-640-040. This SCP provides Department authorization under RCW 77.135.040 to possess and transport this species for the purposes of scientific research. Detections of African clawed frogs outside of known infested waters must be immediately reported to the Department's AIS Unit.

Contact:

Allen Pleus, ANS Coordinator (360) 902-2724 allen.pleus@dfw.wa.gov

Take all possible precautions to reduce take of Larch Mountain salamanders (a state Sensitive species) and any other non-target Species of Greatest Conservation Need (SGCN) as follows:

Amphibians	Reptiles
<i>Cascade torrent salamander</i>	<i>California mountain kingsnake</i>
<i>Columbia spotted frog</i>	<i>Desert nightsnake</i>
<i>Columbia torrent Salamander</i>	<i>Green sea turtle</i>
<i>Cope's giant salamander</i>	<i>Leatherback sea turtle</i>
<i>Dunn's salamander</i>	<i>Loggerhead sea turtle</i>
<i>Larch Mountain salamander</i>	<i>Pygmy short-horned lizard</i>
<i>Northern leopard frog</i>	<i>Ring-necked snake</i>
<i>Oregon spotted frog</i>	<i>Sagebrush lizard</i>
<i>Rocky Mountain tailed frog</i>	<i>Sharp-tailed snake</i>
<i>Tiger salamander</i>	<i>Side-blotched lizard</i>
<i>Van Dyke's salamander</i>	<i>Striped whipsnake</i>
<i>Western toad</i>	<i>Western pond turtle</i>
<i>Woodhouse's toad</i>	

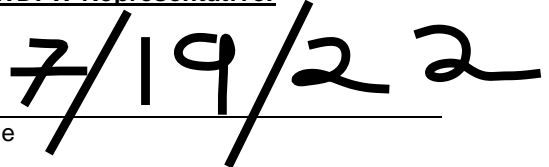
An Annual Report must be submitted before renewal of next year's permit is granted. Under **RCW 77.15.660**, a violation of the terms or conditions of the scientific permit or any WDFW rule applicable to the issuance or use of the permit is a gross misdemeanor if the violation involves big game or big-game 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, I, PERMITTEE'S NAME agree to abide by the conditions set forth in the Scientific Collections Permit issued by the Washington Department of Fish and Wildlife. I agree to all the conditions outlined in **WAC 220-200-045** 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 220-200-045(3)(e)).

This permit is not valid until signed by the permit holder and the WDFW Representative.



Signature of Permit Holder



Date



Signature of WDFW Representative

19 JULY 2022

Date

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