



FISH COLLECTION PERMIT
Inventory
Amended July 25, 2019

File: 34770-20

Permit No.: FJ19-473796

Permit Holder: BC Hydro – Karen von Muehldorfer
12th Floor – 333 Dunsmuir Street
Vancouver, BC V6B 5R3

Authorized Persons: Karen von Muehldorfer, Nich Burnett, Brent Mossop, Michael McArthur, Dustin Ford, Demitria Burgoon, Kent Nuspl, Eztiaan Groenewald, Corby Shurgot, Paul Grutter, Kevin Little, Geoff Sawatzky.

Pursuant to section 19 of the *Wildlife Act*, RSBC 1996, Chap. 488, and section 18 of the Angling and Scientific Regulations, BC Reg. 125/90, the above named persons are hereby authorized to collect fish for scientific purposes from non-tidal waters subject to the conditions set forth in this Permit:

Permitted Sampling Period: July 4, 2019 to May 31, 2020

Permitted Waterbodies: Peace Region – Peace River (230), Kiskatinaw River (232), Beatton River (233), Pine River (234), Halfway River (235), Moberly River (230-744800)

Permitted Sampling Techniques: AG, EF, Hoop-Nets (subject to permit terms and conditions)

Targeted Species: See Appendix C (subject to permit terms and conditions)

Permitted Lethal Sampling: See Appendix D

Provincial Conditions: (Permit holders must be aware of all terms and conditions):

See Appendix A.

Region Specific Conditions:

See Appendix A.

Authorized by:

Greg Van Dolah
A/ Regional Manager
Recreational Fisheries & Wildlife Programs
Peace Region

Date: July 25, 2019

Permit Fee \$25

This permit supersedes permit FJ19-473796 issued on July 4, 2019

Any contravention or failure to comply with the terms and conditions of this permit is an offense under the *Wildlife Act*, RSBC 1996, Chap. 488 and B.C. Reg. 125/90.

Appendix A: Fish Collection Permit Conditions

Any Variation of the following terms and conditions will require explicit authorization by the appropriate regional Fish & Wildlife Section Head.

Provincial Conditions

1. This collecting permit is not valid
 - in national parks,
 - in provincial parks unless a Park Use Permit is also obtained,
 - in tidal waters,
 - for eulachon or for salmon* other than kokanee, or
 - for collecting fish by angling unless the permit holder and crew members possess a valid angling licence.

This collecting permit is **only** valid for species listed as threatened, endangered or extirpated under the Species at Risk Act (SARA) **in conjunction with a permit issued under Section 73 of SARA from Fisheries and Oceans Canada.**

*Contact the Department of Fisheries and Oceans for fish collecting permits for salmon, eulachon or SARA listed species (see Appendix B).

2. The permit holder (or the project supervisor) named on the application for a scientific collection permit will carry a copy of this permit while engaged in fish collecting and produce it upon request of a conservation officer, fisheries officer or constable.
3. Any specimens surplus to scientific requirements and any species not authorized for collection in this permit shall be immediately and carefully released at the point of capture.
4. Fish collected under authority of this permit shall not be used for food or any purpose other than the objectives set out in the approved application for a scientific collection permit. The permit holder shall not sell, barter, trade, or give away, or offer to sell, barter, trade or give away fish collected under authority of this permit. Dead fish shall be disposed of in a manner that will not constitute a health hazard, nuisance or a threat to wildlife.
5. No fish collected under authority of this permit shall be
 - transported alive unless authorized by this permit, or
 - transplanted unless separately authorized by the Federal/Provincial Fish Transplant Committee.
6. The permit holder shall, within 90 days of the expiry of this permit, submit a report of fish collection activities. Interim reports may also be required and shall be submitted as required by the permit issuer. All submissions must be filed electronically to: http://www.env.gov.bc.ca/fish_data_sub/index.html

Reporting specifications, information and templates are available from this website and outline the mandatory information requirements. Prior notification of submission or questions regarding data report standards can be made to: fishdatasub@gov.bc.ca

7. This collecting permit is subject to cancellation at any time and shall be surrendered to a conservation officer on demand or to the issuer upon written notice of its cancellation.
8. This permit is valid only for the activities approved on the application form and in accordance with any restrictions set out therein.
9. This permit is valid only for trained, qualified staff named in the Application. The permit holder will comply with all Workers' Compensation Board requirements and other regulatory requirements. Permit holders are responsible for ensuring staff members listed on the permit are properly certified for specific sampling methods or activities (e.g. electroshocking).
10. Any workers not listed on the permit must be supervised by the permit holder or one of the additional persons as named on the permit.

11. All sampling equipment that has been previously used outside of B.C. must be cleaned of mud and dirt and disinfected with 100mg/L chlorine bleach before using in any water course to prevent the spread of fish pathogens (e.g. Whirling disease) and / or invasive plant species. Any washed off dirt or mud must be disposed of in a manner such that it cannot enter a watercourse untreated.
12. No electrofishing is to take place in waters below five degrees C.
13. No sampling of fish in waters over twenty degrees C.
14. Electrofishing may not be conducted in the vicinity of spawning gravel, redds, or spawning fish, or around gravels which are capable of supporting eggs or developing embryos of any species of salmonid at a time of year when such eggs or embryos may be present.
15. Angling must only occur in accordance with the regulations specified in the current BC Freshwater Fishing Regulations Synopsis.

Region Specific Conditions

Peace Region

- The permit holder must advise Region 7B (Peace) of sampling activities 48 hrs prior to field operations. Please complete the following notification form:
http://www.env.gov.bc.ca/pasb/reports/fish/permit_notify7b.html
- Voucher specimens for all regionally significant red and blue-listed species (3 per species) must be submitted to the Regional Fish Information Specialists as per RISC standards.
- All sampling gear follow Association of Professional Biologists' advisory practice bulletin #5. Practice Advisory – Dydimio, see:
<http://a100.gov.bc.ca/pub/eirs/viewDocumentDetail.do?fromStatic=true&repository=BDP&documentId=9469>
- Fishing on the Peace River between Peace Canyon Dam and the Hwy 29 bridge,
- Fishing for Bull Trout near the mouth of the Halfway River to the fishing boulder signs ~5 km upstream between March 1st and June 30th,
- Fishing can take place within 5 km of the Halfway/Peace River confluence.
- Proponent is to notify First Nations prior to sampling.
- No electrofishing between September 15th and June 15th in streams containing Bull Trout.

Appendix B: Table 1 - Species at Risk

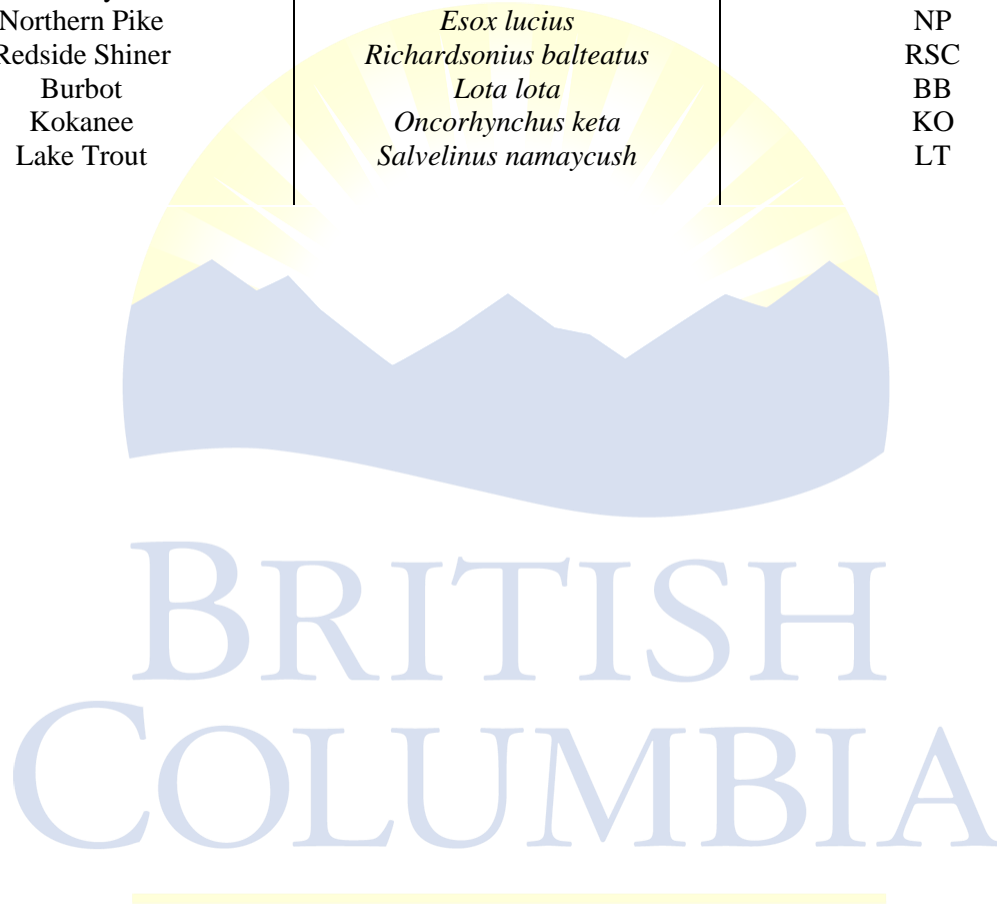
The following are species at risk that have been listed by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) as either endangered, threatened or a species of special concern. Species also listed under the Species at Risk Act (SARA) are identified with an asterisk, and are subject to additional permitting requirements through the Federal Department of Fisheries and Oceans (DFO).

Common Name	Scientific Name
Benthic Paxton Lake Stickleback	* <i>Gasterosteus sp.</i>
Benthic Vananda Creek Stickleback	* <i>Gasterosteus sp.</i>
Limnetic Paxton Lake Stickleback	* <i>Gasterosteus sp.</i>
Limnetic Vananda Creek Stickleback	* <i>Gasterosteus sp.</i>
Nooksack Dace	* <i>Rhinichthys sp.</i>
Morrison Creek Lamprey	* <i>Lampetra richardsoni</i>
Vancouver Lamprey (Cowichan Lake Lamprey)	* <i>Lampetra macrostoma</i>
Cultus Pygmy Sculpin	* <i>Cottus sp.</i>
Shorthead Sculpin	* <i>Cottus confusus</i>
Hotwater Physa	* <i>Physella wrighti</i>
Limnetic Enos Lake Stickleback	<i>Gasterosteus sp.</i>
Benthic Enos Lake Stickleback	<i>Gasterosteus sp.</i>
Salish Sucker	<i>Catostomus sp.</i>
Speckled Dace	<i>Rhinichthys osculus</i>
Charlotte Unarmoured Stickleback	<i>Gasterosteus aculeatus</i>
Columbia Mottled Sculpin	<i>Cottus bairdi hubbsi</i>
Giant Stickleback	<i>Gasterosteus sp.</i>
Green Sturgeon	<i>Acipenser medirostris</i>
Umatilla Dace	<i>Rhinichthys umatilla</i>
West Slope Cutthroat Trout	* <i>Oncorhynchus clarki lewisi</i>
White Sturgeon	<i>Acipenser transmontanus</i>

Applications for permits to specifically collect and retain listed species must be reviewed by the appropriate provincial expert, who will screen permits to ensure that any impacts on listed species are acceptable. For white sturgeon the contact is Steve McAdam (steve.mcadam@gov.bc.ca). For listed non-game freshwater fish the contact is Jordan Rosenfeld (jordan.rosenfeld@gov.bc.ca).

Appendix C: Table 2 – Targeted Species

Common Name	Scientific Name	Code
Arctic Grayling	<i>Thymallus arcticus</i>	AG
Bull Trout	<i>Salvelinus confluentus</i>	BT
Mountain Whitefish	<i>Prosopium williamsoni</i>	MW
White Sucker	<i>Catostomus commersonii</i>	WSU
Walleye	<i>Sander vitreus</i>	WP
Rainbow Trout	<i>Oncorhynchus mykiss</i>	RB
Longnose Sucker	<i>Catostomus catostomus</i>	LSU
Largescale Sucker	<i>Catostomus macrocheilus</i>	CSU
Goldeye	<i>Hiodon alosoides</i>	GE
Northern Pike	<i>Esox lucius</i>	NP
Redside Shiner	<i>Richardsonius balteatus</i>	RSC
Burbot	<i>Lota lota</i>	BB
Kokanee	<i>Oncorhynchus keta</i>	KO
Lake Trout	<i>Salvelinus namaycush</i>	LT



Appendix D: Table 3 – Permitted Lethal Sampling

Common Name	Scientific Name	Code	Peace River	Kiskatinaw River	Beaton River	Moberly River	Total
Arctic Grayling	<i>Thymallus arcticus</i>	AG	100			20	120
Bull Trout	<i>Salvelinus confluentus</i>	BT	250				250
Goldeye	<i>Hiodon alosoides</i>	GE	60				60
Largescale Sucker	<i>Catostomus catostomus</i>	CSU	500				500
Longnose Sucker	<i>Catostomus macrocheilus</i>	LSU	2500				2500
Mountain Whitefish	<i>Prosopium williamsoni</i>	MW	5000				5000
White Sucker	<i>Catostomus commersonii</i>	WSU	250				250
Rainbow Trout	<i>Oncorhynchus mykiss</i>	RB	100				100
Walleye	<i>Sander vitreus</i>	WP	100	30	60		190
Northern Pike	<i>Esox lucius</i>	NP	40				40
Redside Shiner	<i>Richardsonius balteatus</i>	RSC	144				144

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