

APPLICATION FOR A LICENCE TO FISH FOR SCIENTIFIC, EXPERIMENTAL, OR EDUCATIONAL PURPOSES

- ☐ Marine
☒ Freshwater
☐ Management of Contaminated Fisheries Regulations (MCFR)

Area: ☒ North Coast (Areas 1 to 10, 101 to 110, 130, 142).

☐ South Coast (Areas 11 to 27, 111, 121 to 127, 130, and Subareas 29-1 to 29-5).

☐ Fraser & Interior (Area 28, Subareas 29-6 to 29-17), Fraser watershed downstream of Sawmill Creek, and Squamish Watershed.

☐ BC Interior (Fraser River and tributaries upstream of Sawmill Creek, Thompson watershed, Kootenay watershed, Okanagan, Nechako River and tributaries).

For Scientific Licences information, go to our website at:

<http://www.pac.dfo-mpo.gc.ca/fm-gp/licence-permis/scientific-scientifique-eng.html>

Pacific Fishery Management Area Maps:

<http://www.pac.dfo-mpo.gc.ca/fm-gp/maps-cartes/areas-secteurs/index-eng.html>

☒ New Application

☐ Renewal of previous year's licence

Previous Licence #:

☐ Amendment to a current licence

Current Licence #:

Full Name of Applicant

Date of Birth

Organization or School

Allan Irvine, R.P Bio.	1975/03/08 (YYYY/MM/DD)	New Graph Environment
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Complete Mailing Address of Organization or School including City, Province and Postal Code

6 Regent St., Nelson, BC

Phone

Fax

E-mail

250- 777- 1518

al@newgraphenvironment.com

Purpose of the project (attach separate pages if needed). Include as much detail as possible including methods of collection, disposition of the specimens, and your research activities.

This project is a multi-year collaboration led by the Society for Ecosystem Restoration Northern BC, with funding from various agencies including the Habitat Trust Conservation Foundation and the Provincial Fish Passage Technical Working Group. The project aims to restore fish passage at barrier culverts through detailed sampling to assess fish presence, species composition, movement, and habitat effectiveness. Fieldwork is led by Allan Irvine of New Graph Environment Ltd., in collaboration with teams from the Office of Wet'suwet'en, Gitskan Watershed Authorities, and Gitsxan Environmental Services.

The rationale for sampling is to inform fish presence/absence, species composition/density, abundance estimates, movement, growth, and survival as part of habitat confirmations and effectiveness monitoring related to fish passage restoration at barrier culverts. The methodologies include electrofishing, minnow trapping, and dipnetting, depending on site conditions, to gather data upstream and downstream of culverts. PIT tagging is also proposed to monitor fish movement and growth over time. The study's objectives include determining fish movement into restored areas, assessing pre-remediation fish movement through problematic culverts, and evaluating system productivity following structural changes. The project requests permission to tag up to 600 fish, primarily focusing on species like rainbow trout, bull trout, and burbot. See more information in the attached document application_moe_dfo.pdf

If your licence does not need to be for a full year, indicate an end date. Please ensure that the Start Date is **at least 45 days** from the date of submission. See below if you are requesting to expedite.

Start Date: 2024/09/22

(YYYY-MM-DD)

End Date: 2024/12/31

(YYYY-MM-DD)

Due to operational constraints, it may take up to 45 days to process this application. If you require the licence in less than 45 days that may impact fish, fish habitat or the safety of others, please provide a justification to expedite your request.

Names of groups or organizations assisting with the activity.

(For **BC Interior Areas only**, include names of individuals assisting and their date of birth.)

New Graph Environment Ltd
Office of Wet'suwet'en
Gitskan Watershed Authorities
Gitsxan Environmental Services

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Species Common Name	Species Scientific Name	Life Stage	Count
Coho Salmon	Oncorhynchus kisutch		
Chum Salmon	Oncorhynchus keta		
Sockeye Salmon	Oncorhynchus nerka		
Chinook Salmon	Oncorhynchus tshawytscha		
Pink Salmon	Oncorhynchus gorbuschaext		

☐ Survey only - No species to be targeted/retained

Location Description and/or Pacific Fishery Management Areas

Bulkley River watershed - BULK Morice River watershed - MORR Zymoetz River watershed - ZYMO Kispiox River watershed - KISP

Gear Types to be Used

Electrofishing Minnowtrapping Dip netting

Vessel Name, Vessel Master (leave blank if no vessel will be used) VRN

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Email applications to:

North Coast Area:

DFO.NCSP-PSCN.MPO@dfo-mpo.gc.ca

South Coast Area:

DFO.SCA_SC_Licence_Applications-Applications de licence SC_SCA.MPO@dfo-mpo.gc.ca

Fraser & Interior Area:

DFO.FIALicense-LicenseSFI.MPO@dfo-mpo.gc.ca

BC Interior Area:

DFO.BCILicence-LicenceICB.MPO@dfo-mpo.gc.ca

When any of the following activities apply, you must apply for and be in possession of an Introductions and Transfers licence (s. 56 *Fishery (General) Regulations*) for each instance. Transferring fish without a valid licence is a violation of the *Fisheries Act*.

- Any movement of live fish into or within British Columbia to a fish-rearing facility or release into natural waters of British Columbia and/or
- Any movement of fish into a research/educational facility:
 - where the effluent is discharged near or into natural bodies of water in BC, and/or
 - where there is culturing/grow out activity, and/or
 - where fish are not isolated from other aquatic organisms, and/or
 - where fish will not be destroyed at the end of the research project.

Application forms can be found here:

<https://www.dfo-mpo.gc.ca/aquaculture/management-gestion/licen-permi-eng.htm>.

Questions and applications: DFO.BCITC-CITCB.MPO@dfo-mpo.gc.ca

For scientific or commercial harvest of marine plants (seaweed, algae, etc.) contact the B.C. Ministry of Agriculture and Lands (1-800-663-7867) or see their website for forms and contact information:

<https://www2.gov.bc.ca/gov/content/industry/agriculture-seafood/fisheries-and-aquaculture>

If you intend to fish for bivalves from areas closed to bivalves due to PSP (red tide), ASP (domoic acid), or bacterial contamination you must apply for a Management of Contaminated Fisheries Regulations licence. A \$107.57 fee applies for this licence payable to the Receiver General for Canada. Payment instructions will be sent when the application is processed.