

**Caroline C. Melville, Assoc. Tech**  
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## **Education:**

**Associate in Fisheries Technology**  
**1987: Malaspina University-College, Nanaimo, B.C.**

## **Professional Experience:**

**1999 - Current** Senior Fisheries Technician, InStream Fisheries Research Inc. Vancouver B.C

Studies managed:

1999-2004: BC Hydro Cheakamus River Water Use Planning, Squamish, B.C.  
Study Design, management, data analysis and reporting of fisheries studies on the Cheakamus River related to the Water Use Planning and ongoing monitoring.  
Studies to date include: Enumeration of juvenile salmonids utilizing Rotary Screw Traps, Adult Chinook & Steelhead Radio Telemetry, Benthos and Periphyton study (field work only), Salmonid Habitat Utilization, and Salmonid Stranding Studies.

2003: Co-authored a feasibility study for steelhead guiding by the Gitanyow First Nations on the Kitwanga River in the Skeena Watershed. Included analysis of existing information and projections for the feasibility of steelhead guiding based on the current guiding industry in the Skeena area.

2002: Author of review of restoration work past, present and future at the North Vancouver Outdoor School.

**1990 -1997** Senior Research Technician, Ministry of Environment, Keogh River, Port Hardy, B.C.

Managed Keogh River Enumeration Fence and Waukwass River Rotary Traps. This included: Study design, data analysis and report writing.  
Assisted in the management and organization of Watershed Restoration work done on the Keogh River. This included: habitat assessment and prescriptions, construction of habitat structures and side channels.  
Assisted in Fish Habitat Assessment training workshops held at the Keogh  
Co-managed the assessment of juvenile densities to determine habitat structure use for the Keogh-Waukwass paired watershed study.

**1998** Technician, DFO, Pacific Biological Station, Nanaimo, B.C.

Assist in juvenile coho stock assessment on 30 South Vancouver Island Streams. Utilizing a three pass removal system including beach seine, pole seine and electroshocking.

**1998** Environmental Monitor, Sound Construction, Campbell River, B.C.

Planning and implementing environmental protection and restoration of fish habitat and riparian zones during the installation of sewer lines in the Campbell River area.

**1998** Technician, Ministry of Environment, Nanaimo, B.C.

Literature and data review of forty-five watersheds on the West-coast of Vancouver Island, for treaty negotiations.

**1997** Technician, Ministry of Environment Fisheries Research U.B.C, Vancouver, B.C.

Assisted in field research on the Adam and Big Silver Rivers to determine the effects of fertilization on insect and fish populations.

**1997** Environmental Monitor, Lukwa River Restoration Project Canadian Forest Products, Woss, B.C.

Monitor and give technical advice on the construction of instream habitat structures by forest workers.

**1987-1990** Senior Technician, DFO, Study Lakes Project, Nanaimo, B.C.

Assist Senior Biologist in the management and organization of field research study. This included set-up of fences, trapping and enumeration survey techniques on three watersheds (Muriel/Kennedy, Cheewhat, and Hobiton Rivers).

**Certifications and Skills:**

Fish Habitat Assessment & Prescriptions  
Riparian Assessment & Prescriptions  
Level 1 First Aid with Transport Endorsement  
Swift Water Rescue Level 2

**Professional References:**

Mr. Matt Foy, Senior Biologist, Department of Fisheries and Oceans,  
Habitat & Enhancement  
100 Annacis Parkway, Unit 3 Delta, B.C. V3M-6A2  
phone: 604-666-3678  
e-mail: [foym@pac.dfo-mpo.gc.ca](mailto:foym@pac.dfo-mpo.gc.ca)

Mr James Bruce, Fisheries Biologist, BC Hydro, Power Supply, 6911 South Point Drive  
Burnaby, B.C. V3N-4X8  
Phone (604)528-3293  
Email: [james.bruce@bchydro.bc.ca](mailto:james.bruce@bchydro.bc.ca)

Mr. Craig Wightman, Senior Fisheries Biologist, Ministry of Water Land & Air Protection  
2080 Labieux Rd, Nanaimo, B.C. V9T-6J9  
phone: (250) 751-3230  
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