

**Patrick Walshe, B. Sc., R.P. Bio,**  
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### **Education**

- B.Sc. Biology, University of Guelph, 1998.
- Professional development courses related to stream, watershed, and marine habitat research, assessment, restoration and conservation.

### **Skills and Abilities**

#### **Marine and Freshwater Riparian and Terrestrial Vegetation Restoration:**

- Riparian vegetation restoration and naturescaping

#### **Biological Research, Analysis, and Interpretation**

- Data collection (including stream and fish surveys; habitat mapping, assessments, interpretation and recommendations; species at risk studies; quadrat studies)
- Avian Research, including wildlife trees, eagles, marbled murrelets, and sea birds.
- Analysis, interpretation, and communication of the above data for policy makers, government departments, community groups, and other organizations.
- Professional, scientific, and technical analytical and report writing.

#### **Leadership and Program Development**

- Developed and coordinated major environmental conservation programs over \$200,000, from proposal writing to field research to outreach, budgeting, and reporting. Programs included analyzing research, policies and legislation related to conservation.
- Recruited, trained, scheduled, and coordinated staff, contractors, and interdisciplinary teams and took environmental leadership training.
- Led consultation processes with a wide range of stakeholders, scientists, policy makers, government departments, First Nations, and communities.

#### **Communications and Outreach**

- Conducted environmental stewardship outreach that engaged communities and stakeholders in conservation discussions.
- Summarized, interpreted, organized, and presented ecological research at workshops, conferences, and interdisciplinary team meetings using dynamic media.
- Established and maintained effective working relationships with a wide variety of groups as demonstrated by experience with government, industry, non-profits, and First Nations.
- Received communications training from Interpretation Canada and Toastmasters.
- MS Excel, Word, Outlook, Access, databases

### **Other Related Skills**

- Survey methods and identification of salmonids and marine fish species
- Experience working with non-governmental sector and Aboriginal organizations on conservation projects.
- Experience building capacity within Aboriginal communities, coordinating funding agreements, and participating in regional ecosystem planning initiatives.

## **Work Experience**

### **Program Coordinator, 2007-present**

#### **Green Shores (Stewardship Centre for BC), Errington, BC**

Coordinated the Green Shores program for coastal BC and Washington. Duties included planning meetings, activities, and project benchmarks for an interdisciplinary team of scientists and consultants engaged in developing and refining a rating system for marine waterfront development. Responsible for website, publications and workshops, practitioner and public correspondence, coastal development rating system refinement.

### **Fisheries Biologist, 1999-present**

#### **Mid Vancouver Island Habitat Enhancement Society, Parksville, BC**

Designed and implemented stream assessment, mapping and inventory project, managing budget, reporting, and staff. Developed and managed salmon stream habitat, fish surveys and riparian assessments, analyzing and interpreting data to provide recommendations to the City of Parksville and the BC Ministry of the Environment. Managed a landowner stewardship and SHIM mapping program on Shelly Creek, undertaken by ex-fishermen and underemployed workers. Promoted riparian protection bylaw development to local governments.

### **Wildlife Biologist, 2006-2009**

#### **Wildlife Tree Stewardship Program, BC Federation of Naturalists, Nanaimo, BC**

Conducted inventory of eagle nests on private lands located on Southern Vancouver Island. Gathered data relating to nesting status, and analyzed and reported data to the BC Ministry of the Environment and local governments for conservation purposes. Made recommendations to local government for protecting buffer zones around wildlife trees. Organized “Develop With Care” and best practices workshops.

### **Marine Protected Areas Research, 2002-2004**

#### **Living Oceans Society, Sointula, BC**

Interpreted and communicated secondary research findings about the application of MPAs as fisheries management and conservation tools. Communicated CIT MPA analysis (GIS). Engaged communities in the South Central Coast, including local governments, First Nations and stakeholders, in marine coastal planning discussions through presentations, local and traditional knowledge interviews, meetings, workshops, brochures, newsletters, websites and an art show. Developed MoUs with First Nations.

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**Fish and Wildlife Biologist, 2001**

**Georgia Basin Ecological Assessment Society, Nanaimo, BC**

Managed salmon stream habitat assessments, including the analysis of stream water quality and flow monitoring. Interpreted the findings and made recommendations to GBEARS and the BC Ministry of the Environment. Monitored active eagle nests and marbled murrelet behaviour in the Strait of Georgia, including using a Zodiac.

**Sensitive Ecosystem Biologist, 1999-2000**

**Salt Spring Island Conservancy, Salt Spring Island, BC**

Designed sensitive ecosystem project and monitored sensitive ecosystem status on private lands on Salt Spring Island. Advised ways to minimize impacts and restore natural systems. Coordinated and delivered presentations and workshops on stewardship topics for a wide audience.

**Fisheries Habitat Technician (Term Position), 1998**

**Department of Fisheries and Oceans, North Coast (Haida Gwaii)**

Reviewed marine foreshore development proposals, estuarine juvenile salmonid study, and Watershed Restoration Program projects for analysis, interpretation, and recommendation to proponents. Reviewed fishery studies related to forestry operations, developments and enhancement projects in a multi-disciplinary team. Monitored compliance with Federal Fisheries Act. Conducted legal sampling. Developed MoU with MOT.

**Fisheries Technician, 1998**

**Lake Cowichan Salmon Enhancement Society, Lake Cowichan, BC**

Conducted salmonid field research, including fry identification and sampling, rotary and fyke traps operation, and mark and recapture study, snorkel surveys and counting fence surveys. Conducted riparian planting, stream assessments, and stream mapping and restoration.

**Cowichan Community Land Trust Society 1997-1998**

Created land management plans for landowners along high priority streams and estuaries.

**Contaminated Sites and Air Quality Monitoring Technician, 1996-97**

**Ministry of Environment, Nanaimo, BC**

Documented contaminated sites, updating the SITE registry GPS, and using GIS mapping. Conducting air quality monitoring to inform departmental decisions on conservation issues. Travel included remote logging roads.

**Ecosystem Classification, 1993-1995**

**Ontario Ministry of Natural Resources,**

Participated in a biological inventory and ecosystem restoration project and participated in wetland and forest ecosystem research with an interdisciplinary team of biologists, foresters, geographers, and soil scientists. Travel included remote logging roads and motorboats.

## **Publications**

- *Investing in a Future for the BC Coast: Designing a Network of Marine Protected Areas.* Patrick Walshe, Jeff Ardron Living Oceans Society
- Marine Protected Area (MPA) Newsletters, Patrick Walshe, Jeff Ardron and Jennifer Lash, Living Oceans Society, 2003.
- Monthly conservation tourism articles in Qualicum Times and the Harbour City Star.

## **Certificates and Memberships**

- College of Applied Biology, BC
- Association of Professional Biologists of BC
- Wildlife Tree Assessment
- Ecopsychology and Social Marketing
- Interpretation Canada Modules 1 and 2
- Swift Water Rescue Technician
- Sea Kayak Guiding Certification
- WCB First Aid Level 1
- WHIMIS
- Search and Rescue Ground Technician
- GPS Field Operator Certificate of Competency (BC RIC standards)
- Streamkeepers Certification
- Environmental Leadership Initiative
- Toastmasters Boot Camp Certificate
- BC Enhanced Drivers Licence and Road Star accident free status

## **References**

Faye Smith, Mid Vancouver Island Habitat Enhancement Society, 250-752-9297  
Brian Emmett, R.P. Bio. Green Shores Chair, Archipelago Marine Research V.P., 250-383-4535  
Charlene Lee, R.P. Bio. Georgia Basin Ecological Assessment and Restoration Society