



CORI L. BARRACLOUGH

B.A., B.ED., M.Sc., R.P. Bio.

Fidelis Resource Group Inc.

201 - 3690 Shelbourne Street
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Summary Résumé

Education:

- 1993 - 1995 M.Sc. (Biology - Freshwater Ecology), University of Victoria
Thesis: Paleolimnological Elucidation of the Historical Water Quality of Sooke Reservoir, Victoria, British Columbia, by Diatom Stratigraphic Analysis.
- 1990 - 1992 B.Ed. Secondary Education (Biology and English)
- 1987 - 1990 B.A. (English and Biology), University of Victoria

Policy and Technical Planning:

- 2009 Advisor to Ministry of Environment, Implementation of BC Water Plan. Student Stream Health Assessment Program.
- 2008 Advisor to Ministry of Environment, BC Water Plan.
- 2006 - present Convening for Action on Vancouver Island (CAVI) Water Resources Mgmt. Steering Committee.
- 2005 - 2008 LEED™ Canada Technical Advisory Group. Canada Green Building Council. Water and Site credits subgroup. Credit Interpretation requests.
- 2005 - 2008 Gaining Ground, Sustainable Development Summit. Victoria and Calgary, June 2006, June 2007, May 2008. Conference steering committee and concept development.
- 2004 - 2009 Nature's Revenue Streams (NRS). Partnership proposal between District of Saanich and Aqua-Tex (with funding from FCM, CMHC and Real Estate Fdn of BC) to develop an integrated program of research, education, operation and training for municipal councils and staff on sustainable design and "restoration economy" with emphasis on rainwater management. Grant writer and Program manager.

Employment & Work Experience:

- 2002 - 2003 Minister's Living Rivers Advisory Committee. Hon. Joyce Murray, BC Minister of Water, Land and Air Protection
- 1993 - present Co-founder, Fidelis Resource Group; Freshwater Ecologist and Principal, Aqua-Tex Scientific Consulting Ltd.
Integrated site, water and energy planning; water & watershed management programs & planning; stormwater management; sediment & erosion control; proper functioning condition stream assessments; urban stream restoration; assessment of drinking water supply watersheds; design of water quality monitoring & staff training programs; policy development.
- 1999 - 2002 Industrial Research Assistance Program (IRAP) Representative, National Research Council of Canada (NRC)
- 1999 - 2002 Instructor (Biology and English), College of the Rockies
- 1999 Environmental Programming Review, College of the Rockies
 - Investigated environmentally-oriented course offerings at institutions throughout Western Canada and the U.S.
 - Inventoried COTR resources and recommended a strategy and course offerings for COTR; Outlined new program in collaboration with COTR faculty and staff
- 1990 - 1999 Research Assistant and Teaching Assistant, University of Victoria, Dept. of Biology
Biodiversity and Conservation Biology (Environmental Restoration 313/ Environmental Studies 318); Limnology (Biology 490 B), Biology of Pollution (Biology 408) (Freshwater), Aquaculture (Biology 407).

Professional:

- College of Applied Biology and Association of Professional Biologists of British Columbia (R.P. Bio. #811)
- BC College of Teachers. Professional Certificate #131421
- Project Management Institute, member

Professional Development

- 2009 National On-Site Wastewater Recycling Association. Pharmaceuticals and Personal Care Products Workshop; Components of A-Z Installation Course, Milwaukee, WI
- 2006 Applied Fluvial Geomorphology. Wildland Hydrology (Dr. David Rosgen) Pagosa Springs, CO
- 2002 - 2003 Consensus and Facilitation Training. Sustaining Fish Water & People. Consensus Associates.

2002 LEED™ Intermediate Workshop. USGBC
 1999 Participants From Hell: Re-Engaging the Alienated Adult Learner, Dr. Irene Karpiak, U of Oklahoma.
 1998 Riparian Ecology and Management Workshop. Proper Functioning Condition Assessment Training. 1997. Oregon State University. Klamath Falls OR

Publications:

Barracough, C.L., D.A. Hegg and contributors. 2008. Nature's Revenue Streams: Five Ecological Value Case Studies. Canada Mortgage and Housing Corporation. 89 pp.
 O'Riordan, J., W.P. Lucey, C.L. Barracough and C.G. Corps. 2008. Resources From Waste. Industrial Biotechnology. Vol. 4 (3): 238-245.
 Barracough, C.L. and Wm. P. Lucey. 2003. Forest Hydrology. Canadian Silviculture. Fall 2003: 14-18.
 Lucey, Wm. P., C.L. Barracough, C. Donaldson, G. Mott And D. Young. 1999. Integrated Watershed Management Plans: Should Their Design Be Planning Or Ecology Based? American Water Resources Association: Science Into Policy. Conference Proceedings. June 30-July 2, 1999*.
 Lucey, Wm. P., B. Moore, B.T. Jeffs, C.L. Barracough, K.E. Congdon, A.P. Austin. 1993. Impact of domestic waste waters from Whistler on the Cheakamus and Squamish Rivers. Canadian Water Resources Journal, Special Edition - Whistler and Water: building a city in the mountains. Conference Proceedings - May 6-7, 1993. pp. 49 – 70*.
 Lucey, Wm. P., B. Moore, B.T. Jeffs, C.L. Barracough, K.E. Congdon and A.P. Austin. 1992. Impact on a pristine mountain river of domestic waste waters from remotely located, recreationally accelerated, development of a wilderness. Technical report. Canadian Journal of Fisheries and Aquatic Science. Technical Report No. 1879: 49-60*.

* peer-reviewed

Awards:

2003 VanCity Ethics in Action Award for Environmental Excellence (Aqua-Tex)

Selected Recent Projects:

Tillicum Mall Redevelopment. Ecology, riparian restoration, water management, erosion and sediment control. Ref: Mr. Stuart Craig. Assistant Vice President of Planning, Riocan Real Estate Investment Trust. Yonge Eglinton Centre. 2300 Yonge Street, Suite 500, P.O. Box 2386, Toronto, Ontario, M4P 1E4 T: 416- 847-8001

Central Saanich Integrated Stormwater Management Plan: Stream Assessments, Ecology, Public Education and Consultation. Ref: Mr. Roland Rocheleau, Sr. Civil Engineering Technician. District of Central Saanich. 250-544-4210.

Dockside Green. Proposed LEED™ platinum community. Stormwater and integrated water management; habitat restoration. 11.6 acre brownfield redevelopment. One million square feet of mixed use and sustainably developed buildings on a newly remediated site. Victoria BC. Ref: Mr. Joe VanBelleghem, Windmill Development Group Ltd. 301B- 2659 Douglas St. Victoria BC. V8T 5M2 (250) 592-6769 joevb@threepointproperties.com

City of Kimberley and City of Cranbrook. Co-ordinator of watershed management advisory groups and scientific advisor on drinking water protection and management. Ref: Mr. Mike Dodd, CAO, City of Kimberley (250) 427-5311 ext. 222; Mr. Gary Mott, P.Eng. Municipal Engineer. City of Cranbrook (250) 489-0237.

Belay Enterprises. 119 acre Conservation Subdivision. Fernie BC. Project Approvals, sustainable site planning, ecology and integrated water management. Ref: Mr. Sean Staplin. Owner. Belay Enterprises. T: (250) 423-7545.

Scientific Advisor to the Squamish Nation. Sustainable community planning and Cheakamus River sodium hydroxide spill. Ecology, scientific review, study design. Ref: Mr. Randall Lewis. Environment Lands and Resources. Squamish Nation. Squamish BC T: 604-689-3119.