



WM. PATRICK LUCEY

M.Sc., B.A., B.Sc., R.P. BIO.

Fidelis Resource Group Inc.

201 - 3690 Shelbourne Street
Victoria BC V8P 4H2

Summary Résumé

Education:

- 1986 - 1994 M.Sc. (Biology - Aquatic Ecology), University of Victoria
Thesis: Periphyton functional and structural response, within semi-natural surrogate streams, to artificially induced water quality perturbations.
- 1988 - 1990 B.A. (with distinction) Geography, University of Victoria
Aquatic Resource Management.
- 1972 - 1981 B.Sc. (Marine Biology), University of Victoria
Specialized in Phycology, Oceanography and Ecology.

Policy and Technical Planning:

- 2008 Advisor to Office of the Premier, BC, Green Cities Initiative and Sustainable Development.
- 2008 Advisor to Ministry of Environment, BC Water Plan.
- 2005-2008 LEED™ Canada Technical Advisory Group. Canada Green Building Council. Water and Site credits subgroup. Campus and Multiple Building subgroup. Credit Interpretation requests
- 2005-2008 Gaining Ground, Sustainable Development Summit. Victoria, June 2006, June 2007, May 2008. Conference steering committee and concept development.
- 2004-2006 Nature's Revenue Streams (NRS). Partnership proposal between District of Saanich and Aqua-Tex (with funding from FCM and CMHC) 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. Program director.

Memoranda of Understanding between NRS and the Green Infrastructure Partnership (GIP), Water Sustainability Committee (WSC) and Water Balance Model (WBM) to collaborate and co-ordinate education programs.
- 2004-2006 Water in the City. Victoria September 17-20, 2006. Conference organizing committee.
- 2004-2005 CRD Water. Water Advisory Committee. Business representative on behalf of CHBA.
- 2004 Review of DRAFT Drinking Water Protection Act at the request of Hon. Joyce Murray, BC Minister of Water Land and Air Protection.
- 2002-2003 Minister's Living Rivers Advisory Committee. Hon. Joyce Murray, BC Minister of Water Land and Air Protection

Employment & Work Experience:

- 2000 - present Executive Director, Canadian Institute of Municipal Watershed Ecology
- 1993 - present Co-founder, Fidelis Resource Group (2008); President & Senior Aquatic Ecologist, Aqua-Tex Scientific Consulting Ltd (1993).
Integrated site, water and energy planning; watershed management programs & planning; stormwater management; sediment and erosion control programs; proper functioning condition stream assessments; urban stream restoration ecology; assessment of drinking water supply watersheds; design of water quality monitoring programs; senior scientific advisor to government and NGO's; staff training programs for water quality monitoring.
- Fall 1996 Sessional Lecturer, School of Environmental Studies, University of Victoria
Environmental Studies 313- Biodiversity and Conservation Biology. First time course was offered at UVic.
- 1981 - 1999 Sessional Lecturer & Laboratory Instructor Department of Biology, University of Victoria
Biology 407 (Aquaculture), Biology 411B (Freshwater & Marine Phycology) & Biology 408 (Biology of Pollution). Lecture and extensive field-based component supplementing laboratory exercises.
- 1981 - 1995 Research Associate with Dr. A.P. Austin, Department of Biology, University of Victoria
Senior field and laboratory supervisor directly co-ordinating research assistants (six full time and seven part-time employees); responsible for concept and design of research program proposals, project cost control, technical quality, taxonomic identification, data analysis, client liaison, reports and publications.

1988 - 2005 Specialist consultant to CRD Water, Victoria B.C.
Member of various technical committees to guide a study of all aspects of water quality within Capital Regional District; responsible for developing recommendations to ensure optimal future water quality.

Graduate Student Supervision:

"Urban watershed health and resilience, evaluated through land use history and eco-hydrology in Swan Lake watershed (Saanich, B.C.)". M.Sc. Thesis. Lise Townsend. University of Victoria. 2006-2009. Industrial Sponsor and Co-Supervisor.

"Valuing Ecological Services and Community Design- Implications for the Private Market and Local Government" M.Sc. Thesis. Daniel Hegg. University of Victoria. 2007-2009. Industrial Sponsor and Co-Supervisor.

"Swan Lake Christmas Hill Nature Sanctuary- Strategic Business Plan". MBA Thesis. Jackie Ngai. Royal Roads University. 2004. Mentor.

"Redefining Local School Boards: Organizational Consulting Project." MBA Thesis. Teresa Sullivan. Royal Roads University. 2004. Project advisor.

"Urban Stream Reconstruction Design Criteria: Case Study Applying Proper Functioning Condition Principles to Leeds Creek, Victoria, British Columbia". M.Sc. Thesis. Patricia Edmonds. University of Victoria. 2002. Industrial Sponsor and Supervisor.

"Smart Municipal Development: Urban stream restoration and stormwater management in residential and agricultural development areas in Saanich, B.C." M.Sc. Thesis. Lehna Malmkvist. University of Victoria. 2002. Industrial Sponsor and Supervisor.

"Recomposing Remnant Industrial Land: Union Bay, B.C." M.L.A. Thesis. Paul de Greeff. UBC School of Landscape Architecture. 2003. Thesis committee member.

"Functional redundancy of stream detritivores: an experimental test". M.Sc. Thesis. Lisa Shama. University of Victoria. 2002. Industrial Sponsor and Co-Supervisor.

Professional:

College of Applied Biology and Association of Professional Biologists of British Columbia (R.P. Bio.)

Publications:

Mr. Lucey has 100+ publications in both peer-reviewed scientific journals and grey literature (e.g. government reports) on the topics of wildland and urban freshwater ecology. He has presented at numerous conferences and workshops and regularly lectures on the topics of sustainable site design and integrated urban water management.

Awards:

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

2002 Saanich Business/Industry Environmental Achievement Award to Patrick Lucey

Selected Recent Projects:

Royal Roads University. Bateman Centre and Campus Sustainability Plan. 2008. Ref: Mr. Richard Iredale, Iredale Group. Suite 202 One Alexander Street Vancouver BC V6A 1B2 T: 604-736-5581 F: 604-736-5585 architect@iredale.ca

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

South East False Creek (phase 1). Infrastructure design for common property and public lands including 2010 Olympic Village. Vancouver BC. Stormwater management and foreshore restoration and **phase 2: 2010 Olympic Village Design** and Construction. Ref: Ms. Margot Long, Principal. PWL Landscape Architects. Vancouver BC. 604-688-6111; Mr. Roger Bayley, Merrick Architecture T: 604-683-4131.

British Pacific Properties, Rogers Creek. Design and visioning process for British Pacific Properties holdings in West Vancouver BC. November 2005-present. Integrated site design and water management; ecology. Ref: Mr. Geoff Croll, Project Manager, British Properties. T: 604-925-9000

UBC Life Sciences Center. Stormwater monitoring and erosion and sediment control audit. LEED™ v 2.1 Gold project. UBC Properties Trust. 2003-2006. Ref: Ms. Teresa Coady. Bunting Coady Architects. Vancouver, BC 604-685-9913.