

SPECIALIZING IN

- ecological site design
- low impact development
- rainwater management
- ecosystem restoration
- erosion & sediment control
- construction supervision
- environmental monitoring
- ecological assessments
- natural areas planting design
- riparian areas regulation assessments
- covenant establishment and management
- invasive species management

AWARDS

Saanich 2006 Environment
Award for Development

Canadian Home Builders
Association 2006 Silver
Environmental CARE Award

Swell Environmental Consulting (SEC) was established in January 2004, in response to a growing demand for the expertise and services previously supplied by the Principal (Lehna Malmkvist, MSc. RPBio) as a coordinator and member of various interdisciplinary project teams over the past eight years. The Principal has been working exclusively in the biological field since 1994. SEC provides competitive rates and personal service.

The company has excellent contacts with professionals in the environmental, engineering, building development and general contracting fields and good working relationships with regulatory agencies and the community.

Swell is an environmental consulting company that can help design and build your projects.

RECENT PROJECTS

Bowker Creek Master Drainage Plan - Project Management for the Capital Regional District.

District of North Saanich Stream Survey Project - Biophysical inventory and Riparian Areas Regulation assessment for municipal water course setbacks.

South Valley Drive - ecologically based subdivision design, creek restoration, innovative stormwater management, low impact development.

Burnside Gorge Community Centre - collaboration on rainwater management design, monitoring for LEED Erosion & Sediment Control Prerequisites.

Dockside Green - aquatic habitat and vegetation design for a rainwater management and treated wastewater water course (ecologically functioning creek design), design of the Pt. Ellice Park redevelopment, including marine shoreline and riparian restoration.

OUR EXPERTISE

- Ecological design components of Low Impact Development projects (i.e. site design, stormwater management, rainwater harvesting, terrestrial, stream, wetland and marine shoreline restoration)
- Environmental impact assessment, preparation of Environmental Management Plans, permit/approval applications
- Aquatic habitat assessment and preparation of mitigative strategies
- Wildlife, vegetation and habitat assessment and preparation of mitigative strategies
- Determination and management of natural area covenants, including, design and implementation of invasive species management and planting design
- Environmental monitoring and construction supervision

OUR SERVICES

Swell Environmental Consulting has experience in, and the ability to perform, the following services:

- Design and implement the ecological and biological components of residential, commercial and institutional development projects including assessment, site design, land & water management planning, regulatory compliance, mitigation, best management practices and monitoring;
- Design, coordinate, assess and supervise freshwater, marine and terrestrial ecosystem enhancement and restoration projects, in conjunction with the appropriate engineering and general contracting services, as necessary;
- Develop and oversee Environmental Management Plans and permit/approval applications for construction projects, and prescribe mitigation strategies as required;
- Provide ecological assessment and environmental reviewed for proposed projects;
- Develop and implement land management plans, conservation covenants and invasive species removal strategies for terrestrial and aquatic ecosystems;
- Develop and implement watershed management plans, including coordinating public input, developing an implementation strategy, fundraising and prioritization of projects;
- Liaise with the client, regulatory agencies and the public, in order to comply with regulations, maintain good relations with the community and protect the environment;
- Coordinate public input through field trips, public meetings and design charettes
- Train construction and contract crews in environmental best practices and regulatory compliance, e.g. to prevent/control erosion and sedimentation of water bodies, and to properly handle, and respond to spills of, hazardous substances;
- Develop and deliver environmental education and training programs, including: habitat protection, erosion and sediment control, and construction best management practices;
- Environmental monitoring and construction supervision for a wide variety of construction projects (including LEED prerequisites).