



Work Experience

Terra Erosion Control Ltd., Nelson, British Columbia
Owner / Manager / Streambank Restoration Specialist- 1996 to Present

- Planning, design and implementation of soil / ground bioengineering applications for riparian restoration including in stream placement of root clusters (L.W.D.).
- Implementation and quality control of riverbank restoration and stabilization projects using vegetated rip rap, vegetated soil wrap, woody and aquatic vegetation.
- Planning, selection, collection, storage and soaking/handling of large quantities of live material for soil/ ground bioengineering projects.
- Design and implementation of soil / ground bioengineering applications on steep slopes.
- Installation and design of erosion and sediment control, using sediment traps, aqua dams, coffer dams and turbidity curtains in urban river settings.
- Access trail and ramp development within urban ravines in sensitive riparian areas.
- Implementation of low impact equipment and approaches within riparian urban settings.
- Strong background in supervision of specialized construction machinery and field crews.
- Development of site specific safety requirement based on field hazard assessments, working around equipment with crews and within or adjacent to various size watercourses.
- Assisted in the development of streambank soil & water bioengineering guidelines for bank protection and enhancement of riparian habitat. Streambank slope stability, flood control and riparian assessment & evaluation for the City of Calgary (2010-2012).

Sample of Recent Conference Presentations and Workshops

- Training workshops on soil and ground soil bioengineering application for the Elk River Watershed Alliance in Fernie, BC May 2016.
- Training workshops on low impact development involving soil bioengineering within urban stream environments for the City of Calgary, Alberta, Canada 2014 & 2015.
- Presented lectures on soil bioengineering applications for steep slope stabilization, streambank protection and creation of fish, wildlife and urban habitat at the I.U.C.N. conference in Beijing and I.A.S.H.K., Hong Kong, China, 2014.
- Poster presentation on "Vegetated Riprap Installation Techniques for Watercourse Erosion Protection, Fish and Wildlife Habitat Creation", EGU, Vienna, Austria, 2011/2014.

Education

Renewable Resource Program Diploma
Selkirk College, Castlegar, BC, September 1988 - May, 1990

Language Skills

- English: reading, writing and speaking: excellent
- French: reading, writing and speaking: excellent
- Spanish: reading, writing and speaking: fair