



# RIVERSTONE

ENVIRONMENTAL SOLUTIONS INC.

**Laura Alward-Gilmour, Dipl. E.T.**  
**Terrestrial Ecologist**

## CAREER AND ACADEMIC HISTORY

2009 – Present	<b>Terrestrial Ecologist, RiverStone Environmental Solutions Inc.</b>
2007 – 2008	Ecological Landscaper, Northway Gardeners Ltd., Muskoka, ON
2005 – 2006	Independent Ecological Gardening and Habitat Restoration Consultant, British Columbia and Washington State, USA
2004	Native Plant Nursery Manager, Seven Ravens Forestry, Salt Spring Island, BC
2002 – 2003	Silviculturalist, Brinkman and Associates Reforestation Ltd., ON
2001 – 2003	Diploma, Sir Sandford Fleming College, Environmental Technician

## PROFESSIONAL EXPERIENCE

The following is a partial list of consulting-based project experience for 2008–2011.

### Ecological Site Assessments & Environmental Impact Studies/Statements

- Creek Channel Design in the **City of Barrie**; *for IBI Group*; **Key Tasks:** development of re-vegetation plan, data management, development of mitigation measures for road reconstruction and park improvements project
- Environmental Impact Study in the **Town of Gravenhurst**; *for private client*; **Key Tasks:** Ecological Land Classification System and Forest Ecosystem Classification, wetland boundary delineation, site drainage to locate any permanent, seasonal or intermittent streams and confirm thermal regime, wildlife species sightings and description of potential habitat for wildlife, including habitat of Species at Risk and species of Conservation Concern to assess the properties potential for development as a residential education centre.
- Environmental Impact Statement for property in the **Town of Gravenhurst**; *for private client*; **Key Tasks:** Ecological Land Classification, wetland boundary delineation, flora and fauna inventory, identification of significant natural heritage feature, and data management to support the development of a single residence on an existing lot
- Natural Environment Level 1 and Level 2 Technical Report in **Township of Lake of Bays**; *for private client*; **Key Tasks:** Ecological Land Classification, flora and fauna inventory, assisted in identification of SAR habitat and significant natural heritage features; data management and graphics generation to facilitate licensing of quarry under *Aggregate Resources Act* and avoidance of habitat protected under *Endangered Species Act, 2007*
- Environmental Impact Statement for property in the **Town of Huntsville**; *for private client*; **Key Tasks:** Ecological Land Classification, wetland boundary delineation, flora and fauna inventory, identification of significant natural heritage features, data management and mapping to support a proposed severance

- Environmental Impact Statement for property in the **Township of Perry**; *for private client*; **Key Tasks:** Ecological Land Classification, flora and fauna inventory, identification of significant natural heritage feature, and data management to facilitate 4-lot severance and rezoning
- Site Evaluation Report for property on Drag Lake in **Township of Dysart et al**; *for private client*; **Key Tasks:** Ecological Land Classification, flora and fauna inventory, identification of SAR habitat, significant natural heritage features, data management and graphics generation for proposed multi-lot severance
- Site Evaluation Report for property in the **Town of Huntsville**; *for private client*; **Key Tasks:** flora and fauna inventory, development of naturalization plan, significant natural heritage features, data management and graphics generation for zoning by-law amendment
- Environmental Impact Statement for property on the Magnetawan River in the **Township of Perry**; *for private client*; **Key Tasks:** Ecological Land Classification, flora and fauna inventory, identification of significant natural heritage feature, data management and graphics generation to facilitate 2-lot severance
- Site Evaluation Report for property on Taylor Island (Lake Muskoka) in the **Town of Gravenhurst**; *for private client*; **Key Tasks:** Ecological Land Classification, flora and fauna inventory, identification of SAR habitat, significant natural heritage features, data management and graphics generation for proposed single-lot severance
- Site Evaluation Report for property on the Severn River in the **Township of Muskoka Lakes**; *for private client*; **Key Tasks:** Ecological Land Classification, flora and fauna inventory, identification of SAR habitat, significant natural heritage features, data management and graphics generation for proposed single-lot severance
- Environmental Screening and Site Plan in the **Township of Seguin**; *for private client*; flora and fauna inventory, identification of SAR habitat, significant natural heritage features, data management and graphics generation for re-zoning application
- Environmental Impact Statement for property on Harris Lake in the **Township of The Archipelago**; *for Township of The Archipelago*; **Key Tasks:** Ecological Land Classification, flora and fauna inventory, identification of significant natural heritage feature, and data management to facilitate single-lot severance
- Environmental Impact Statement for property on Georgian Bay in the **Township of The Archipelago**; *for Township of The Archipelago*; **Key Tasks:** Ecological Land Classification, flora and fauna inventory, identification of significant natural heritage feature, data management and graphics generation to facilitate single-lot severance
- Environmental Impact Statement and Deer Wintering Habitat Assessment for property in the **Township of the Achipelago**; *for private client*; **Key Tasks:** project management, assessment of Species of Conservation interest; impact analysis and development of mitigation plan, and assessment of policy compliance to facilitate to facilitate single lot severance and zoning amendment
- Environmental Impact Statement for property in the **Town of Gravenhurst**; *for private client*; **Key Tasks:** Ecological Land Classification, flora and fauna inventory, identification of significant natural heritage feature, and data management to facilitate 25-lot plan of subdivision
- Environmental Impact Statement for property on Driftwood Island (Lake Muskoka) in the **Town of Gravenhurst**; *for private client*; **Key Tasks:** Ecological Land Classification, flora and fauna inventory, identification of significant natural heritage feature, and data management to facilitate multi-lot plan of subdivision
- Environmental Impact Statement for property in the **Town of Huntsville**; *for private client*; **Key Tasks:** Ecological Land Classification, flora and fauna inventory, identification of significant natural heritage feature, data management and graphics generation to facilitate 26-lot plan of subdivision

- Environmental Impact Statement for property on Clearwater Lake in the **Town of Gravenhurst**; *for private client*; **Key Tasks:** Ecological Land Classification, flora and fauna inventory, identification of significant natural heritage feature, data management and graphics generation to facilitate single lot severance

## Environmental Assessments

- Class Environmental Assessment on the Severn River in the **Township of Severn** ; *for private client*; **Key Tasks:** flora and fauna inventory, identification of SAR habitat, significant natural heritage features, data management and graphics generation to facilitate the dredging of marina
- Class Environmental Assessment in the **County of Simcoe** *for Page: 3 CC Tatham*; **Key Tasks:** flora and fauna inventory, significant natural heritage features, data management and graphics generation to facilitate road upgrades and re-alignment of County Road 43 and Wilson Drive
- Class Environmental Assessment in the **Township of Muskoka Lakes** *for CC Tatham*; **Key Tasks:** flora and fauna inventory, significant natural heritage features, data management and graphics generation to facilitate road upgrades and re-alignment of Brackenrig Road
- Class Environmental Assessment in the **Township of Minden Hills** *for CC Tatham*; **Key Tasks:** flora and fauna inventory, significant natural heritage features, data management and graphics generation to facilitate instalment of a water treatment facility

## Water Quality Impact Assessments and Water Quality Programs

- Phase 2 Water Quality Impact Assessment on Loon Lake in the **Township of Muskoka Lakes**; *for private client*; **Key Tasks:** identification of significant natural heritage features, data management and analysis of impacts and mitigation measures for single lot severance and development on identified over-threshold waterbody
- Phase 2 Water Quality Impact Assessment on Three Mile Lake in the **Township of Muskoka Lakes**; *for private client*; **Key Tasks:** identification of significant natural heritage features, data management and analysis of impacts and mitigation measures generation for single lot severance and development on identified over-threshold waterbody
- Phase 1 and Phase 2 Water Quality Impact Assessment on Lake Joseph in the **Township of Muskoka Lakes**; *for private client*; **Key Tasks:** flora and fauna inventory, identification of significant natural heritage features, data management and analysis of impacts and mitigation measures for single lot severance and development on identified over-threshold waterbody
- Phase 1 and Phase 2 Water Quality Impact Assessment on Three Mile Lake in the **Township of Muskoka Lakes**; *for private client*; **Key Tasks:** flora and fauna inventory, identification of significant natural heritage features, data management and analysis of impacts and mitigation measures for single lot severance and development on identified over-threshold waterbody
- Phase 1 and Phase 2 Water Quality Impact Assessment on Three Mile Lake in the **Township of Muskoka Lakes**; *for private client*; **Key Tasks:** flora and fauna inventory, identification of significant natural heritage features, data management and analysis of impacts and mitigation measures for single lot severance and development on identified over-threshold waterbody
- Phase 2 Water Quality Impact Assessment on Lake Joseph in the **Township of Muskoka Lakes**; *for private client*; **Key Tasks:** identification of significant natural heritage features, data management and analysis of impacts and mitigation measures for single lot severance and development on identified over-threshold waterbody

- Muskoka Lakes Association Water Quality Initiative Program in various townships of the **District of Muskoka**; *for the Muskoka Lakes Association* **Key Tasks**: data management, technical and educational support, report development

### Ecological Monitoring, Restoration and Mitigation Plans

- Tree Preservation Plan / Edge Management Plan for property in the **Town of Uxbridge**; *for private client*; **Key Tasks**: tree health assessment, Ecological Land Classification, flora and fauna inventory, development of mitigation and restoration plans for areas of tree loss during the development of an Estate Subdivision.
- Revegetation Plan for property in the **Town of Huntsville**; *for private client*; **Key Tasks**: assessment of site conditions, development of naturalization plan to restore shoreline areas prior to approval of a single lot severance
- Revegetation Plan for property in the **Township of Seguin**; *for private client*; **Key Tasks**: assessment of site conditions, development of naturalization plan to mitigate loss of shoreline vegetation
- Environmental Monitoring for property in the **City of Kawartha Lakes**; *for private client*; **Key Tasks**: data management, conducting targeted Species at Risk radio telemetry study and habitat assessment to facilitate licensing of quarry under *Aggregate Resources Act* and avoidance of habitat protected under *Endangered Species Act, 2007*
- SAR Training Session in the **Township of Georgian Bay**; *for Town of MacTier*; **Key Tasks**: development of identification resources, conducted training session on identification of SAR and encounters protocol as per required by Agreement under *Endangered Species Act, 2007*
- Revegetation Plan on Lake of Bays in the **Town of Huntsville**; *for private client*; **Key Tasks**: assessment of site conditions, development of naturalisation plan and mitigation measures to facilitate proposed zoning amendment
- Revegetation Plan on Lake Vernon in the **Town of Huntsville**; *for private client*; **Key Tasks**: assessment of site conditions, development of naturalisation plan and mitigation measures for landowners legal dispute
- Revegetation Plan on Oudaze Lake in the **Town of Huntsville**; *for private client*; **Key Tasks**: assessment of site conditions, development of naturalisation plan and mitigation measures to facilitate proposed zoning amendment
- Habitat Restoration on Lake Joseph in the **Township of Muskoka Lakes**; *for private client*; **Key Tasks**: evaluation of disturbed site, development and implementation of naturalization plan using native species
- Habitat Restoration on Lake Rosseau in the **Township of Muskoka Lakes**; *for private client*; **Key Tasks**: evaluation of disturbed site, development and implementation of naturalization plan using native species

### Relevant Certification or Training Courses

2011	Certified Arborist, International Society of Arboriculture
2011	Ontario Wetland Evaluation System Certification, Ontario Ministry of Natural Resources
2011	Certified Wildlife Tracker; Track and Sign Level 2, International Society of Professional Trackers
2009	Ecological Land Classification, Ontario Ministry of Natural Resources
2009	Ontario Benthos Biomonitoring Network participant, Ontario Ministry of the Environment