



RIVERSTONE

ENVIRONMENTAL SOLUTIONS INC.

**Joel Gauthier, Aqua. Tech., M.E.T.,
Ecologist**

CAREER AND ACADEMIC HISTORY

2018 – Present	GIS Tech./Ecologist, RiverStone Environmental Solutions
2010 – 2018	Self Employed, Landscaping/Maintenance – <i>for Private Clients</i>
2008 – 2010	Technical Support/ Product Development, Tradewind Scientific
2005 – 2008	Mechanical Engineering Technologist. Algonquin College
2003 – 2005	Access to Technology, Camosun College
1990 – 2004	Equipment Operator/Professional Fishing Guide.
1987 – 1989	Aquaculture Technician, Sir Sandford Fleming College,

PROFESSIONAL EXPERIENCE

GIS & Mapping Skills;

- Proficient use of ESRI ArcGIS v10.x
- Manipulate spatial data to address applied geospatial problems for clients
- Develop and manage geodatabases
- Produce mapping and database products to provide critical content analysis in a spatial environment
- Integrating CAD based drawings into GIS layouts

The following is a partial list of consulting-based project experience for 2018– Present.

Fish Habitat Assessments/Environmental Impact Studies/Natural Heritage Evaluation;

- Natural Heritage Evaluation in the **Town of Caledon**; *for private client*; **Key Tasks:** Mapping surveys, biophysical features, development plan, and conditions and transposing into ArcGIS figures for final report; reporting in support of municipal drain maintenance activities.
- Tree Inventory, Mapping tree health assessment in the **City of Caledon**; *as part of the IBI Group team*; **Key Tasks:** Interpreting documented tree inventory into a georeferenced database and ArcGIS mapping for final report figures.
- Fish Habitat Assessment in the **Township of Lake of Bays**; *for Private Client.*; **Key Tasks:** species at risk surveys, Fish habitat assessment, vegetation community mapping, reporting in support of development, Mapping in ArcGIS for final report.
- Natural Heritage Evaluation in the **Township of Springwater**; *as part of the K Smart Associates team.*; **Key Tasks:** Bat acoustic monitoring, ArcGIS mapping for final report, reporting in support of municipal drain maintenance activities.
- Natural Heritage Evaluation and Tree Assessment and Preservation Plan for the **Town of Oakville**; *as part of the IBI team*; **Key Tasks:** stream assessment, species at risk surveys, tree inventory, assessment, preservation and replacement plan, vegetation community mapping, generating georeferenced database and ArcGIS mapping of tree inventory; reporting in support of bridge maintenance and road construction.

- Tree Assessment and Preservation Plan in the **Town of Aurora**; *as part of the Michael Smith Planning Consultants team*; **Key Tasks:** Bat acoustic monitoring, tree inventory, assessment, preservation and replacement plan, ArcGIS mapping, reporting in support of a development application.
- Fish Identification and Salvage in the **Township of King**; *for BWG team*; **Key Tasks:** Electrofishing, fish identification, moving fish out of coffer dam area, fish permit reporting to MNRF.
- Environmental Impact Statement, Wetland Delineation and Species at Risk Assessment in the **Town of Gravenhurst**; *for private client*; **Key Tasks:** ArcGIS mapping of surveys, significant wildlife habitat, wetland delineation, vegetation communities, reporting in support of a severance application.
- Scoped Natural Heritage Evaluation, Wetland Delineation and Species at Risk Assessment for the **Chippewas of Georgina Island**; *as part of the Michael Smith Planning Consultants team*; **Key Tasks:** ArcGIS mapping of species at risk surveys, significant wildlife habitat, wetland delineation, vegetation communities for final report, Reporting in support of a development application.
- Water Quality Monitoring in the **Township of Seguin**; *for Lake Joseph North Association*; **Key Tasks:** Reporting conditions surrounding site, drawing samples for testing, preparing and shipping samples to lab, recording results for analysis and reporting to Client.
- Fish Inventory Monitoring in the **Township of King**; *for GHD*; **Key Tasks:** Electrofishing river, transporting live fish to survey station, maintaining health of fish until surveyed and released.

Relevant Certification or Training Courses

1988	Ontario Safe Boaters Course Sir Sandford Fleming College
1989	Backpack Electrofishing Training Sir Sandford Fleming College
1993	Marine Emergency Radio Operator, Transport Canada
2005	Pleasure Craft Operator Card
2018	WHMIS
2018	Standard First Aid and CPR Certificate
2018	Surface Miner Core Module MTCU Program Certificate
2018	Class 2 Backpack Electrofishing Certificate
2019	Erosion and Sediment Control Inspectors Course (Level 1)