



RIVERSTONE

ENVIRONMENTAL SOLUTIONS INC.

Becca Howe, M.Sc., Grad. Cert. EMIA, B.Sc.

CAREER AND ACADEMIC HISTORY

2021 – Present	Ecologist, RiverStone Environmental Solutions
2021	Ecologist, as needed/hourly, North-South Environmental Inc.
2018 – 2021	Masters of Science, Biology, University of Western Ontario
2018 – 2021	Teaching Assistant, University of Western Ontario
2018	Common Nighthawk and Eastern Whip-poor-will Field Technician, University of Guelph
2017	Grassland Bird Field Technician, Bird Conservancy of the Rockies
2016-2017	Avian Field Technician, Bird Ecology and Conservation Ontario
2015	Assistant Resource Management Technician, Ministry of Natural Resources and Forestry
2015	Barn Swallow Research Technician, Bird Ecology and Conservation Ontario
2014 – 2015	Graduate Certificate in Environmental Monitoring and Impact Assessment
2009 – 2013	Bachelors of Science in Environmental Science, University of Guelph

PROFESSIONAL EXPERIENCE

Becca has a strong background in field ecology completing species-specific surveys. She is also experienced with vegetation inventories, ecological land classification, wetland evaluations, watercourse and fish habitat assessments, tree inventories, and wildland fire hazard assessments. Becca has experience synthesizing field data to complete Environmental Impact Studies, Natural Heritage Evaluations, and Wetland Evaluations and assists with Peer Reviews and permitting applications to Conservation Authorities, DFO, and MECP.

The following is a sample list of project experience:

Environmental Impact Studies/Natural Heritage Evaluations/Natural Environment Reports/Site Evaluation Reports

- Environmental Impact Study for subdivision in Port Carling; *for private client*; **Key Tasks:** breeding bird surveys, turtle basking surveys, snake visual encounter survey, species at risk bat acoustic monitoring and data analysis, vegetation inventory, impact analysis, recommendations for avoidance and mitigation measures
- Environmental Impact Study for development adjacent to a provincially significant wetland in the Town of Gravenhurst; *for private client*; **Key Tasks:** wetland boundary delineation, vegetation inventory, ecological land classification, fish habitat assessment, assessment of topography and drainage, recommendations for avoidance and mitigation, submission of wetland boundary data to MNRF
- Natural Heritage Evaluation for property redevelopment in the Town of Whitchurch-Stouffville; *for private client*; **Key Tasks:** significant woodland delineation, vegetation inventory, wetland delineation, significant valleylands assessment, fish habitat assessment, watercourse assessment, assessment of compliance with Oak Ridges Moraine Conservation Plan

- Environmental Impact Study for apartment and townhouse complex in Lindsay; *for private client*; **Key Tasks:** breeding bird surveys, watercourse assessment, fish habitat assessment, wetland delineation, species at risk bat acoustic monitoring and data analysis, ecological land classification, impact assessment, recommendations for avoidance and mitigation measures
- Natural Environment Report for a quarry expansion in the County of Peterborough; *for private client*; **Key Tasks:** breeding bird surveys, turtle basking surveys, snake visual encounter surveys, species at risk bat acoustic monitoring, vegetation inventory, ecological land classification, watercourse assessment, development of constraints mapping
- Environmental Impact Study for subdivision in Bracebridge; *for private client*; **Key Tasks:** identification of species at risk habitat and significant natural heritage features, targeted wildlife surveys, wetland evaluation and delineation, watercourse assessment, terrestrial flora assessment, impact analysis, development of constraints mapping to facilitate approval of the draft plan of subdivision and avoidance of habitat protected under the *Endangered Species Act, 2007*
- Site Evaluation Report for lot severance in Haliburton; *for private client*; **Key Tasks:** identification of species at risk habitat, assessment of deer wintering habitat, terrestrial flora assessment, wetland evaluation and delineation, identification of appropriate building envelopes, impact analysis, development of constraints mapping to facilitate approval of the severance plan and avoidance of habitat protected under the *Endangered Species Act, 2007*
- Environmental Impact Study for proposed waterfront development in Parry Sound; *for private client*; **Key Tasks:** watercourse assessment, fish habitat assessment, assessment of steep slopes, impact analysis, development of mapping and recommendations to facilitate approval of the proposed waterfront development and avoidance of negative impacts to fish habitat
- Environmental Impact Study for proposed subdivision in Dwight; *for private client*; **Key Tasks:** identification of species at risk habitat and significant natural heritage features, wetland evaluation, terrestrial flora assessment, impact analysis, proposed alteration to a Muskoka Heritage Area boundary, rehabilitation plan, development of constraints mapping to facilitate approval of the draft plan of subdivision and rehabilitation plan and avoidance of habitat protected under the *Endangered Species Act, 2007*

Other Assessments/Experience

- Muskoka Heritage Area Review for lot severance in in the Town of Huntsville; *for private client*; deer wintering habitat assessment, wildland fire hazard assessment, vegetation inventory, assessment of natural heritage features associated with the Muskoka Heritage Area
- Deer Wintering Habitat Assessment for redevelopment in the Town of Huntsville; *for private client*; assessment of canopy closure, browse availability, deer sign, and other deer habitat features, recommendations for mitigation
- Bat Sweep prior to tree clearing in the Township of Seguin; *Fowler and MTO*; survey of road shoulder for roosting bats
- Breeding Bird Nest Sweep prior to vegetation clearing in the Town of Huntsville; *for private client*; survey of property for nesting birds, recommendation for avoidance/setback
- Water Quality Impact Assessment on Kahshe Lake; *for private client*; **Key Tasks:** assessment of topography and soil conditions, assessment of shoreline buffer, fish habitat assessment, watercourse assessment, wetland evaluation, identification of species at risk, identification of appropriate septic location, impact analysis, development of constraints mapping to facilitate approval of proposed development plan and avoidance of habitat protected under the *Endangered Species Act, 2007*

- Wildland Fire Hazard Assessment for building addition in Port Sydney; *for private client*; **Key Tasks:** terrestrial flora assessment, assessment of treed habitat for wildland fire risk, mapping of risk assessment levels, impact analysis, development of risk mitigation/avoidance plan
- Species at Risk Screening in the Town of Bracebridge; *Town of Bracebridge*; **Key Tasks:** assessment of habitat to determine potential presence of species, mapping of potential habitat, targeted surveys to determine species presence/absence
- Tree Inventory and Health Assessment in Innisfil; *for private client*; **Key Tasks:** tree inventory and health assessment
- Culvert Replacement Fish-out, Laycox Road; *Fowler and MTO*; **Key Tasks:** electrofishing assistant

RELEVANT CERTIFICATION AND TRAINING COURSES

2025	OSSGA Surface Miner training
2023	St. John's Ambulance Standard First Aid CPR/AED C
2022	Ontario Wetland Evaluation System training
2021	Project Management Essentials Course, ECO Canada
2021	Technical Writing Essentials Course, ECO Canada
2021	Lafarge Contractor Safety Management
2015	ORCKA Canoeing Level 2
2015	Green Check GPS Certification