



NATURAL RESOURCE SOLUTIONS INC.

Aquatic, Terrestrial and Wetland Biologists

SERVICES

FISHERIES AND AQUATIC BIOLOGY

- Surveys of fish, benthic invertebrates and aquatic habitats using standard methods
- Evaluation of significance and sensitivity of aquatic species and habitats
- Analysis of channel morphology, and approaches to stabilizing/restoring shorelines
- Negotiation of compensation agreements under the federal Fisheries Act

WETLAND STUDIES

- Inventories and mapping of wetland flora, fauna and soils
- Wetland evaluations using provincial systems for Northern and Southern Ontario
- Wetland management, preservation, restoration and creation
- Monitoring of wetland systems

ENVIRONMENTAL IMPACT AND ASSESSMENTS

- Analysis of environmental impacts on aquatic, wetland and terrestrial resources
- Evaluation of measures to mitigate impacts
- Design and implementation of biological monitoring programs
- State of the environment reporting, literature reviews
- Assessment of policy and management initiatives to address environmental impacts

VEGETATION AND WILDLIFE ECOLOGY

- Surveys of plants, birds, mammals, reptiles, amphibians, butterflies and dragonflies
- Identification of rare, significant and sensitive species and habitats
- Analysis of Environmentally Significant and Sensitive Areas (ESAs), and Areas of Natural and Scientific Interest (ANSIs)
- Analysis of potential ecological corridors

SPATIAL TECHNOLOGIES

GIS - GPS - CAD

- Advanced, spatial mapping and analysis using Geographic Information Systems (GIS), Global Positioning Systems (GPS), 3D Analyst and Computer Aided Design (CAD)
- Custom data collection using mapping grade GPS, laser offset and onscreen digitizing
- Topographic base data such as OBM, NRVIS, satellite and air photos

NATURALIZATION AND ECOLOGICAL RESTORATION

- Short and long term monitoring of natural habitats
- Habitat creation and restoration
- Rehabilitation of disrupted wetlands, woodlots, ponds and watercourses

WATERSHED PLANNING

- Inventories of aquatic, wetland and terrestrial biological resources
- Identification of significant and sensitive natural resources
- Analysis of interrelations between biological and physical components of the ecosystem
- Evaluation of natural resource guidelines and policies
- Development of implementation guidelines, natural heritage systems, and monitoring programs

WOODLOT AND TREE STUDIES

- Woodlot and tree inventories, mapping and evaluations
- Tree saving and preservation plans
- Analysis of the significance of woodlots
- Monitoring of tree health and regeneration
- Woodlot management plans