

# Environmental Monitoring



Morrison Hershfield provides clients with environmental monitoring before, during and after project development. Monitoring is provided in areas of effects assessment and adaptive management response planning to determine the effectiveness of environmental protection and mitigation measures and created environmental habitat. Projects typically involve aquatic population and habitat monitoring, effects reviews of mitigation and compensation designs, aquatic and terrestrial population studies, and sediment and erosion control design. Through monitoring we ensure that the development of our clients' undertakings meet applicable environmental standards and regulatory requirements.

Services include:

- **Environmental monitoring during construction**
- **Aquatic and terrestrial habitat monitoring**
- **Regulatory post-construction monitoring**
- **Environmental management programming**
- **Environmental compliance auditing**



Environmental Monitoring During Construction



Fisheries Act Monitoring Post-Construction Monitoring



Experimental Research Monitoring for River Thermal Trench



Transit System Detailed Design/Build Environmental Management Planning



Aquatic and Terrestrial Ecosystems Inventory and Impact Assessment Services



### **Aquatic and Terrestrial Ecosystems Inventory and Impact Assessment Services for the Ministry of Transportation Ontario**

Our team of natural science biologists, ecologists, ornithologists and species at risk specialists provided scientific and technical expertise on various Ministry project sites to establish baseline data, assess development impacts and develop habitat protection, mitigation and compensation strategies and designs. Where required, we secured regulatory approvals, based on our assessment of habitat needs to allow the Ministry to carry out proposed development activities.



### **Detailed Design/Build Environmental Management Planning**

On behalf of the Toronto Transit Commission, we developed an Environmental Management Plan to guide the construction of bus-only lanes between Downsview Subway Station and York University, with a partial connection to York Region's proposed bus terminal and commuter parking lot. Integral to the delivery of this plan by the construction contractor, was our environmental auditing role to document compliance with the Plan's requirements and deliverables.

