



Hatfield
CONSULTANTS

Environmental Specialists Since 1974

WILDLIFE

Hatfield helps you survey, assess, monitor and manage wildlife

WE PROVIDE THE FOLLOWING WILDLIFE SERVICES:

Aerial and ground-based inventories

Ecological research

Species at risk studies

Environmental impact assessment

Wildlife mitigation

Pre-construction nesting activity surveys

Salvages – amphibian, reptile, and small mammal

Monitoring and adaptive management

SUPPORTING GEOMATICS SERVICES:

GIS-based spatial analysis

Remote sensing image analysis
(UAV, satellite, aerial)

Land cover change analysis

Cumulative effects assessments

TEM and Habitat suitability mapping

Map production and cartography

Web-based map delivery

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Hatfield conducts highly-specialized wildlife surveys, analyzes ecological data on habitat associations, movement, and distribution patterns of wildlife, evaluates habitat suitability for species at risk and wildlife groups of concern, and uses this information to assess project and development effects on wildlife. We then provide species- and site-specific mitigation measures to minimize impacts of development projects to wildlife. We conduct monitoring and adaptive management programs to ensure that suitable adjustments are made with regards to species and habitat stewardship. Hatfield employs high-resolution satellite imagery and mapping to support its wildlife programs.

FEATURED PROJECTS



WILDLIFE ASSESSMENTS AND MANAGEMENT

Hatfield oversaw the wildlife component of the Meikle Wind Energy Project. Tasks involved baseline surveys, habitat suitability mapping, effects assessment for all species groups, mitigation recommendations, residual and cumulative effects assessments, and preparation of a wildlife protection plan. During development, Hatfield conducted pre-construction surveys for species at risk and sensitive habitats, amphibian salvages, oversaw wildlife stewardship, and prepared a bird and bat monitoring and adaptive management plan for project operations. Hatfield was a member of the Technical Advisory Committee overseeing fatality monitoring.



WILDLIFE HABITAT MODELING AND MAPPING

Hatfield created species at risk habitat suitability maps for the Department of National Defence (DND) based on ecosite information derived from vegetation analyses, high-resolution orthophotography, site-specific topography and soil data, and Ecological Land Classifications, as well as on species ecology and range information for four DND properties. The map work was followed by a field program to confirm species at risk presence and to provide species- and site-specific management recommendations.



PRE-CONSTRUCTION NESTING ACTIVITY SURVEYS

Hatfield has extensive experience conducting nesting activity surveys to help companies comply with the federal *Migratory Bird Convention Act*, which is established to help safeguard breeding bird reproductive success within construction footprints during the breeding season. Species-specific no-disturbance buffers are placed around nesting areas to protect pairs and their offspring (eggs/nestlings) until the young are strong enough to fledge.

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WHY HATFIELD CONSULTANTS?

Established in 1974 and based in Vancouver, Canada, Hatfield Consultants has built a worldwide reputation in environmental services with over 3,500 projects in Canada, Asia, Africa, South America, and Europe. With company offices in Canada, Indonesia, Laos, and Botswana, as well as business partners in Chile and Thailand, we are well positioned to respond to your individual project needs and requirements – wherever you are.

We help you apply best environmental practices and contribute to a sustainable future.