



# Ecosystem Classification

## A STANDARDIZED METHODOLOGY

Ecosystem classification is a standard component of land use planning, impact assessment and species management plans.

Cornice is experienced in completing ecosystem classification projects throughout British Columbia and parts of Alberta and Nunavut to:

- Quantify project footprint effects on terrestrial ecosystems.
- Identify rare, unique and environmentally sensitive ecosystems.
- Provide a framework for completing rare plant surveys.
- Support wildlife habitat suitability and capability modelling.
- Aid in route selection to minimize risk and maximize cost effectiveness.
- Support ecosystem and habitat mitigation, restoration and enhancement programs.
- Provide a framework for conserving and recovering important habitats for species at risk.

**Find out More**

**Get in Touch with Cornice**

[www.corniceenvironmental.com](http://www.corniceenvironmental.com)

[admin@corniceenvironmental.com](mailto:admin@corniceenvironmental.com)

(778) 475-3474



**ECOSYSTEM CLASSIFICATION AND MAPPING** provides a supporting framework of information that is used for pre-development planning and **environmental impact assessment** to the development of detailed construction and mitigation plans.

**The identification of ecosystems at risk, wetlands and important wildlife habitat contributes to constraint mapping and site/route selection.**

Ecosystem classification and mapping at the site series level provides information such as forest productivity, soils, and water table that describe site operability and constraints that are utilized in site selection, route refinements, construction and mitigation planning.

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***At Cornice we are experienced in ecosystem classification throughout British Columbia , Alberta, and Nunavut.***

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## PROJECT EXAMPLES

### • KITIMAT LNG PORT DEVELOPMENT •

Ecosystems and plant species at risk assessment, grizzly bear habitat suitability modelling.

### • LONG LAKE HYDRO TRANSMISSION LINE DEVELOPMENT •

Ecosystem classification and modelling of mountain goat habitat suitability.

### • GABION RIVER INDEPENDENT POWER PROJECT •

Ecosystem classification and modelling of marbled murrelet, northern goshawk and grizzly bear habitat suitability.

### • BARKERVILLE GOLD MINES BONANZA LEDGE •

Ecosystem classification, rare plant survey and modelling of mountain caribou habitat suitability.