



?aqam Lands Department

ENVIRONMENTAL REVIEW FORM

Form No. 8-1-01

Environmental Review- ?aqam

Please fill out all of the information that is relevant to your proposed project.

- Ensure that the **Application for Use Form 5-01-1 (Part 1)** has been filled out prior to completing this Form, which includes a Project Description.

Supporting Documents/Attachments:

- Columbia Basin Trust: Ecosystem Enhancement Program
- Application for Use 6-01-1: Ecosystem Enhancement Program
- ER Map

I. Project Information:

- a. Project title and proponent contact details
- b. Proposed start and expected completion date of the project and describe all components of the project over the entire life cycle of the project, including site preparation, construction, operation, decommissioning, and site restoration or rehabilitation
- c. Include any physical works or activities accessory to the principle project (for example, if the project creates waste, include information on the proper disposal of that waste; or if certain utilities need to be established or decommissioned for the project, include those ancillary works).
- d. Identify all permits, licences or approvals (including any provincial or municipal requirements when applicable) that need to be obtained for the project and any other important characteristics of the regulatory environment.
- e. Maps of the area, showing the project location in relation to existing activities, topographic features, township grids, watercourses and water bodies
- f. Copies of drawings, plans, maps showing the project location and any key features referred to in the remainder of the document.

II. Land Description:

- a. All surface water bodies (lakes, rivers, streams, wetlands, bogs, etc.) in or within 30 m of the study area.

- b. Identify all drinking water wells or aquifer recharge zones (i.e., a land area into which water can infiltrate into and replenish an aquifer relatively easily) and the depth to groundwater, if known.
- c. Soil type and topography, slope and any special landforms within the specified project area.
- d. Describe the land use (e.g., zoning, current and past land uses and ownership) at the project site and any existing and planned resource use within the boundaries or surrounding areas of the site that may be affected by the proposed project (e.g., farming, forestry, mining, commercial fisheries, wildlife populations and/or distribution, trapping/hunting, location of traditional plants, water resources).

III. Flora and Fauna

- a. Identify any plant and animal species that are listed under the federal *Species At Risk Act* that have the potential to be present in the project area (the *Species At Risk* registry managed by Environment Canada provides information on listed species at risk and their habitat.).
- b. Identify any migratory birds – as populations and as individuals – and their habitats, eggs and nests that have the potential to be present in the project area.
- c. If the project involves in-water works or is sited near water, identify any fish species that have the potential to be present in the project area and identify the type and location of fish habitat
- d. Describe the vegetation in the area (such as forests, marshes, grass fields, cultivated fields) as well as in the adjacent areas.
- e. Describe animals in the area (aquatic species, amphibians, reptiles, birds, mammals) as well as in the adjacent areas.
- f. Identify any significant sensitive natural areas (e.g., wetlands, overwintering or calving areas, spawning grounds, etc.) in the project area.

IV. Traditional/Cultural Uses

- a. Identify any traditional, historical, archeological and/or cultural use areas in the project area.

V. Environmental Effects and Mitigation

- a. Indicate any potential effects from the project to:
 - i. Surface and groundwater quality, flow, or movement; any resulting sedimentation or erosion; and any pollution from operations or accidental spills.
 - ii. The land surface (e.g., clearing of trees, shrubs, or ground vegetation), any unique and sensitive features (e.g., wetland or park), or adjacent properties.
 - iii. Any plant or animal species, including those listed under the federal *Species At Risk Act* that have the potential to be affected in the project area.
 - iv. Any migratory birds – as populations and individuals – or their habitats, eggs and nests.

- v. Any fish or fish habitat
 - vi. Air quality (from chemical emissions or dust/odours) and on noise-sensitive receptors (e.g., schools, daycares, nursing homes, residences, places of worship, hospitals, etc.)
 - vii. Any potential concerns that the project may raise in the community or general public (e.g., effects on local businesses, institutions/public facilities, physical or cultural heritage resources, or the current use of lands and resources for Aboriginal traditional purposes.
- b. If any potential effects are identified, list applicable mitigation measures proposed to be implemented during the life of the project to minimize or avoid those effects.
- i. Contact Environment Canada for guidance on appropriate mitigation measures for impacts to migratory birds, such as timing restrictions
 - ii. Contact the Department of Fisheries and Oceans for advice on appropriate mitigation measures and/or *Fisheries Act* authorizations. Authorizations may also be required if the project involves blasting in or near water, killing fish by means other than fishing, or creating a barrier to fish migration. Environment Canada is responsible for the administration and enforcement of the pollution prevention provisions of the *Fisheries Act* which prohibit the deposit of deleterious (harmful) substances to water containing fish.

VI. Comments and Other Information

- a. Provide any other information you feel is pertinent for the Lands Department to know about the project.
- b. Identify any key best practices or mitigation measures you plan to implement during the project.

If the fish, fish habitat, aquatic species listed under the *Species At Risk Act* or migratory birds are likely to be present in the project area, include a plain language professional opinion (maximum 3,000 words) regarding the potential changes and the likelihood that those changes will occur as a result of the **project** to:

- (i) fish and fish habitat as defined in subsection 2(1) of the *Fisheries Act*,
- (ii) aquatic species as defined in subsection 2(1) of the *Species at Risk Act*,
- (iii) migratory birds as defined in subsection 2(1) of the *Migratory Birds Convention Act, 1994*,