

Schedule C - Dam

Project Description (Please complete one Schedule for each dam)

Dam Name: _____ **Project Name:** _____

Location:

Please mark location on a copy of a topographic map (preferably at 1:50,000 scale) and include with the application:

1:50,000 Topographic Map No: _____

or provide UTM Coordinates:

N _____ E _____ NAD _____ ZONE _____

Design

Purpose of Dam:

Hydroelectric Water Supply Intake Tailings Other _____

Drainage Area Profile:

Drainage Area: _____ km²

Main Channel Length: _____ km

Slope of Drainage Area: _____ %

Drainage Area Classification:

Forest: _____ %

Barren: _____ %

Wetland: _____ %

Urban: _____ %

Inflow Design Flood:

Return Period: 1: _____ years

Max Inflow: _____ m³/s

Probable Max Flood (PMF): _____ m³/s

Description of Estimation:

Please show sample calculation(s) below or attach separate sheets, if required.

Design (Cont'd)

Dam Details: (Please attach detailed drawings and specifications)

Dam Material:

- Concrete Earth fill Treated Timber Untreated Timber Other_____

Dam Height: _____ m Freeboard: _____ m

Crest of Dam: _____ m Crest of Spillway: _____ m

Sill of Control Gate: _____ m Storage Capacity: _____ m

(or Sluice Gate)

Max Water Elevation: _____ m Min Water Elevation: _____ m

Normal Operation Elev: _____ m Spillway Capacity: _____ m

Control Gate Capacity: _____ m/s Penstock Capacity: _____ m/s

Dam Safety

Dam Safety Classification: (as per CDA Guidelines Consequence Category)

- Very High High Low Very Low

Please attach a Dam Safety Review Report. If not available, please indicate when the report will be completed: _____

Construction (Please attach separate sheets, if required)

Equipment to be used: _____

Proposed dewatering method(s): _____

Briefly describe how erosion control and stabilization will be carried out:

Briefly describe how site restoration will be carried out:

Technical guidelines, departmental policies and application forms are available at:

www.gov.nl.ca/env/water