



**Project Title:** Hanson Stream - Fresh Water Reservoir  
Point Lepreau Generating Station

**Client:** NB Power

## Project Description:

The design of this project was carried out under the direction of one of GEMTEC's senior consultants. The work included a spillway design flow capacity; design of the spillway to accommodate the PMF flood of  $100 \text{ m}^3/\text{sec}$ ; layout of the structures to allow fitting a wide overflow spillway into a very narrow rock stream valley with provision for a

new highway access over the top of the dam. The design requirements were met by using a twin box culvert in the downstream narrow valley under the new highway with a twin overflow weirs upstream parallel to the box culvert. Water intake lines were installed within one of the gravity overflow structures.

