

Lake Opeongo Dam Reconstruction

Client: Ministry of Natural Resources

Year: 2011



SERVICES PROVIDED

The Ministry of Natural Resources retained C.C. Tatham & Associates Ltd. in June 2011 to complete contract administration and construction inspection for the reconstruction of the Lake Opeongo dam located in Algonquin Park.

The existing 1950's concrete dam was 16 m wide with 3 sluice ways controlled by stop logs and was replaced due to deterioration and to eliminate high operating costs. The new dam incorporates a 42 m long reinforced concrete ogee shaped control weir founded on bedrock. To construct the works a cofferdam built with rock fill and an impermeable liner was employed as was a flow diversion channel with provisions for outletting up to 5 year flows, maintaining lake levels and preventing fish migration. Environmental conditions in the lake and surrounding lands were continuously monitored and managed throughout the project. Construction was complete in 2011 at a total construction cost of \$2.1M.

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