

## Cache Lake Dam Repairs

Client: Ministry of Natural Resources

Year: 2012



### SERVICES PROVIDED

The Ministry of Natural Resources retained C. C. Tatham & Associates Ltd. in April 2012 to design the structural repairs to the Cache Lake dam located in Algonquin Park.

The existing concrete dam (consisting of a single sluice way controlled by stop logs and an overflow concrete ogee weir) had significant concrete deterioration at the weir crest, construction joint and low flow bypass chamber allowing significant flows through and over the dam. The dam required urgent repair due to its inability to consistently maintain upstream lake levels which was impacting commercial operations on the lake.

The repairs included: removal of deteriorated concrete and replacement with reinforced concrete to reinstate the weir crest; injection of flexible resin into the existing construction joint and; abandonment of the low flow bypass by sealing it with concrete.

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