

St Georges Dam, Creswick, Vic

St Georges Lake Dam is located outside the township of Creswick. In late 2010 severe storms resulted in water levels creeping dangerously close to the crest of the dam wall. This close call reinforced the need for the 100 year old structure to gain an urgent upgrade. The new design of the dam and the spillway being constructed will reduce the volume of water held by the lake, therefore improving safety during high rainfall and flood events.



Works Include

- Dewatering of the reservoir and water control management during construction;
- Clearing, grubbing and off-site disposal of vegetation and other obstructions to the work;
- Decommissioning of the piezometers and outlet works
- Removal of pedestrian footbridge over the primary spillway;
- Stripping and stockpiling of top soil;
- Excavation of the embankment
- Construction of the new spillway;
- Construction of the rockfill weir downstream of the secondary spillway chute;
- Construction of pedestrian access from the south to north extents of the site;
- Landscaping and grassing of all areas



Key Aspects

- Poor Site access
- Poor ground conditions
- Deep excavation
- Flood water level management
- Extreme weather conditions



Client:
Parks Victoria

Project Design:

SMEC Australia

Contract Sum: \$ 1.6M