



Owner : Goulburn-Murray Water
Engineering consultant : SMEC

Subsidiary(ies) : Freyssinet Australia

Beginning of works : 03/2010
End of works : 07/2010

Description of the work :

Tullaroop Reservoir dams the Tullaroop Creek, a tributary of the Loddon River. The storage embankment is situated about 7 km south-east of Carisbrook and approximated 50km north of Ballarat. Tullaroop Reservoir stores water for supplies to irrigated properties along Tullaroop Creek and the Loddon River and also provides water for Maryborough. In March 2010, Freyssinet was appointed by Goulburn-Murray Water to stabilise the bridge abutment walls located in the reservoir spillway.



Freyssinet mission :

Freyssinet Australia role was to stabilize the spillway rock abutment walls drilling and installing grouted rock bolts and install reinforcing mesh and shotcrete. All rock bolts were water proof grouted by drilling and grout filling the holes prior to drilling a smaller diameter hole and installing the rock bolt. This included testing a sample of the holes with water pressure testing. Reinforcing steel was installed to follow the profile of the rock face to minimise shotcrete fill. The project was finished on time as planned and the reservoir reached full capacity weeks following our demobilization and the spillway was overflowing with water.

