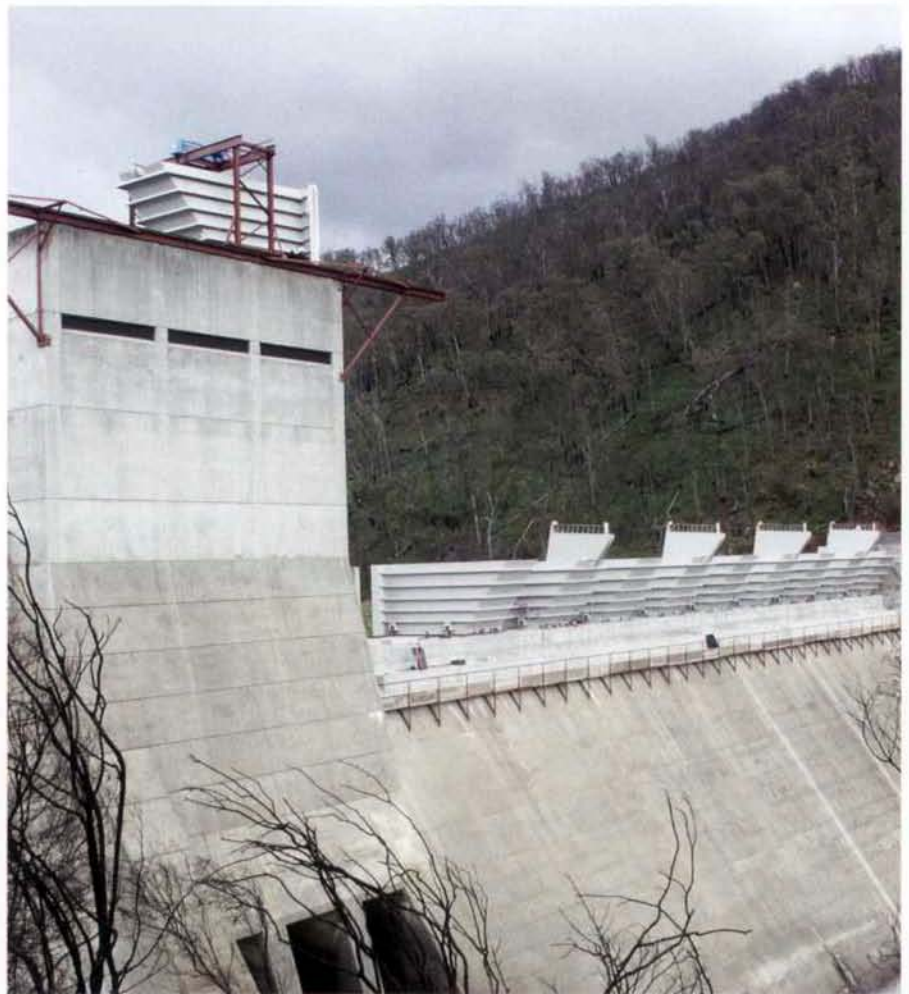


# Winner

## Excellence in Civil Construction

### Geotech Engineering

**Project** Dartmouth Regulating Pondage Raising, Dartmouth Dam



This civil project comprised of structural modification and installation of specifically designed fusegates to the regulating dam immediately below the Dartmouth Hydro Power Station. The fusegates were designed for two purposes. Firstly, to increase the storage capacity of the dam and thus allow for longer periods of hydro generation. Secondly, in the event of a massive flood, the gates are designed to topple off the dam wall, one after the other and thus protect the dam. The works included demolition, steel fixing, concrete works, minor drilling and specialist shotcreting and the handling and placement of the 10 tonne fusegates on top of the new spillway crest. This hydro electric dam was a significant job for Geotech to undertake, and the difficulties posed by the remote location of the final works with respect to the existing structures were extreme. The contract, which was valued at over \$1million, ran over 25 weeks and was completed on time and without incident.

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