

PEZZIMENTI TUNNELBORE



Specialising in: **Highly Accurate, Laser-Guided Microtunnels.**

Tallowa Dam





A new deep level draw off point for Tallowa Dam required the drilling of a 19m long x 1000mm diameter bore through the concrete wall of the dam from the outer face on the downstream side to within 1m of the water on the upstream side which had been strengthened by a steel plate secured by divers.

Client / Head Contractor

X

Location

Tallowa Dam

Length

19m x 1000dia.

Manufacturer

Pezzimenti Laserbore™

Categories

Hard Concrete

Steep Grade

Difficult Access Site

Tallowa Dam



+ Project Details

The jacking frame had to be set up 30m below the dam crest on a concrete plinth poured on the design grade of 35%. The plinth was designed with the thrust block bearing on natural ground.

The hydraulic power pack was lowered into place at the base of the dam near the jacking frame by the site's tower crane.

The vacuum power pack was stationed on the crest wall and the vacuum suction line was lowered the 30m down the face of the dam to connect the jacking frame to the vacuum unit.

The gravel for the concrete for the dam had been sourced from the local river gravel and these had strengths over 100MPa.

Encountering steel reinforcement was always a possibility. Steel reo was encountered once - within 1m of the start and this was removed using core drilling.

Drilling proceeded over a period of 2 weeks with adjustments to the head necessary due to the hardness of the concrete.



+ Image Caption



+ Image Caption

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For all inquiries – including Job Inspections,
Quotations and Project Feasibilities –
please don't hesitate to contact Pezzimenti
Tunnelbore. We are confident we'll hit the
mark on your next microtunneling project.

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When Accuracy Matters.