



Companie(s) : Leighton Constructors
Owner : NSW Department of Commerce
Engineering consultant : Hawkins Engineering

Subsidiary(ies) : Freyssinet Australia

Beginning of works : 11/2008
End of works : 11/2008

Description of the work :

The Tallowa Dam project is to improve the migration of native fish between the lower and upper levels of the Shoalhaven River. The final scheme will incorporate a fully automatic fish lift, which will elevate the fish from the lower level, over the dam wall, and into the upper level waters. As part of this intricate system, surface water from the upper level will be piped down through the dam, to simulate a natural river flow. This in turn will attract the fish to the designated fish extraction point, and improve the water quality down stream.



Freyssinet mission :

Freyssinet undertook the lowering and installation of the concrete Surface Water Drain Off Facility (SWDOF) unit. The unit was lowered approximately 15m into the water below by 4no. L50 jacks, where it was then attached to a single L180 jack. The unit was then rotated to vertical utilizing controlled water ingress and the Freyssinet L180 jack. Once vertical, the unit was then rotated about the vertical access and the final height adjustments made, prior to the unit being slid into a pre-established fixing point. Freyssinet also assisted with the specialist grouting to the dam wall face, working from pontoons and man boxes. We worked successfully in a highly sensitive environment. The SWDOF Weight - 135t Dimensions - 13m x 3.5m x 3.5m

