

# TAMASOS DAM



Πανοραμική άποψη του φράγματος και της λίμνης του - Panoramic view of the dam and its lake



Γενική άποψη του φράγματος - General view of the dam



Γενική άποψη του φράγματος από το αριστερό αντέρεισμα - General view of dam from the left abutment

## TAMASOS DAM - PROJECT DATA

**River:** Pedhiaois  
• Mean annual flow 6,3 MCM

**Scope:** Recharge of the aquifers from Pera village to Nicosia

**Catchment area:** 45 km<sup>2</sup>

**Reservoir:**  
• Area 300.000 m<sup>2</sup>  
• Capacity 2.800.000 m<sup>3</sup>

**Embankment:**  
• Type earthfill with central clay core  
• Height above foundations 34 m  
• Length of crest 210 m  
• Volume of fill 230.000 m<sup>3</sup>  
• Crest elevation above sea level 411,20 m  
• Upstream toe weight\* - volume of fill 36.000 m<sup>3</sup>  
• Downstream toe weight\* - volume of fill 24.000 m<sup>3</sup>

\* for additional support to left abutment

**Spillway:**  
• Length 68 m  
• Width 25 m to 15 m  
• Discharge capacity 800 m<sup>3</sup>/s  
• Crest elevation above sea level 405 m

**Draw - off works and pipework:**  
• Length of draw-off culvert 140 m  
• Scour pipe, dia 600mm, capacity up to 2,4 m<sup>3</sup>/s  
• Recharge pipe, dia 600mm, capacity up to 2,4 m<sup>3</sup>/s

**Drilling and Grouting:**  
• Total length of drilling 9.000 m  
• Depth of grouting holes up to 45 m

Planning	Water Development Department
Design	Water Development Department
Consulting Engineers	Mott MacDonald Ltd, UK
Construction	Charilaos Apostolidis & Co Ltd
Operation & Maintenance	Water Development Department
Commencement of works	September 1999
Completion of works	January 2002
Cost (Tender Sum)	Cy£ 1,566 million (exl. VAT)
Financed by	Government of Cyprus