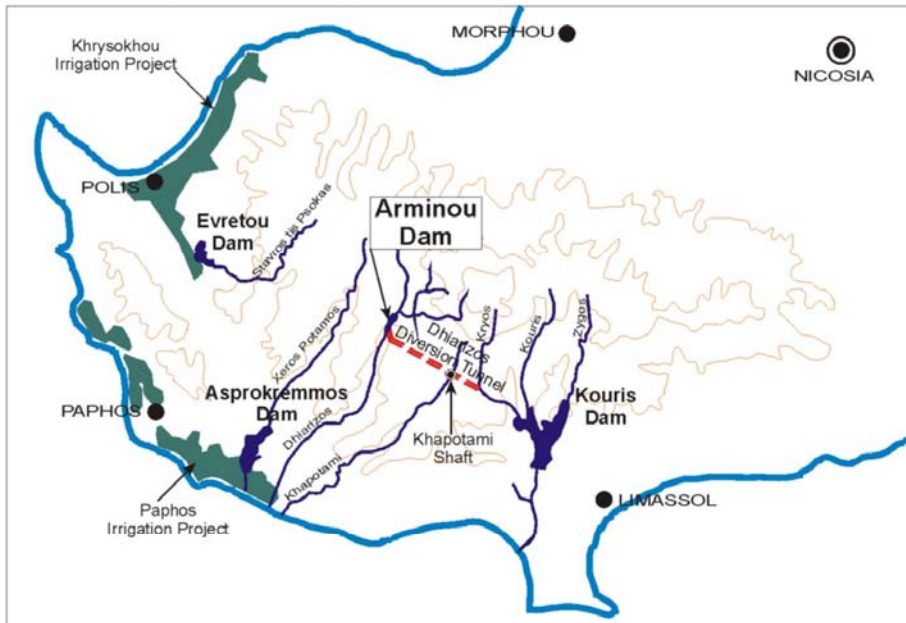


# ARMINOU DAM



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



## ARMINOU DAM – PROJECT DATA

River: ..... Dhiarizos  
 • Mean annual flow ..... 24,35 MCM/year  
 • Diversion to Kouris (Maximum) ..... 15,7 MCM/year

Scope: • Diversion of Dhiarizos flows to Kouris dam  
 • Irrigation of Dhiarizos valley and aquifer recharge

Catchment Area: ..... 116,5 Km<sup>2</sup>

Reservoir: • Area ..... 35,3 Ha  
 • Capacity ..... 4,3 MCM

### Embankment:

- Type ..... Zoned earthfill with central clay core
- Height above foundations ..... 40 m
- Length of crest ..... 194 m
- Volume ..... 0,43 MCM
- Crest elevation above sea level ..... 443,00 m

### Diaphragm wall foundation:

- Type ..... Plastic concrete
- Length ..... 38 m
- Maximum depth ..... 16,5 m
- Thickness ..... 0,8 m

### Spillway:

- Length ..... 80 m
- Width ..... 20 m
- Discharge capacity ..... 2 450 m<sup>3</sup>/s
- Crest elevation above sea level ..... 436 m

### Outlet tunnel:

- Diameter ..... 3,8 m
- Length ..... 175,0 m
- Discharge capacity ..... 102,0 m<sup>3</sup>/s

### Outlet pipes:

- For Diversion
  - Diameter ..... 1,4 m
  - Discharge capacity ..... 6,5 m<sup>3</sup>/s
- For Irrigation
  - Diameter ..... 0,5 m
  - Discharge capacity ..... 1,0 m<sup>3</sup>/s

### Draw-off Tower:

- Height ..... 44 m
- Diameter ..... 5 m

Planning ..... Water Development Department  
 Design ..... Howard Humphreys and Partners Ltd, UK.  
 Construction ..... George P. Zachariades Ltd  
 Commencement of works ..... July 1995  
 Completion of works ..... December 1998  
 Cost (Tender Sum) ..... £3 877 000  
 Financed by ..... Government of Cyprus

MCM - Million Cubic Metres



Σήραγγα εκτροπής Διάριζου υπό κατασκευή - Dhiarizos diversion tunnel under construction