WALA DAM - JORDAN

Project Name	**Wala Dam**
Purpose of the project	**Irrigation and Water Supply**
Project location	**Madaba Region** **Hashemite Kingdom of Jordan**
Client	**Jordan Valley Authority (JVA)**
Contractor	**Aegek-Hydrogradnja J.V.**
Dam Type	**RCC with earthfill abutments (clay core)**
Height above foundation	**42 m**
Crest level	**524 m a.s.l.**
Crest length	**265 m**
Capacity of the Reservoir	**9.2 million cubic meter**
Foundation soil	**Bitominous Lime Stone**
End of construction	**January 2004**

GENERAL VIEWS OF THE DAM DURING CONSTRUCTION


2002 10 30


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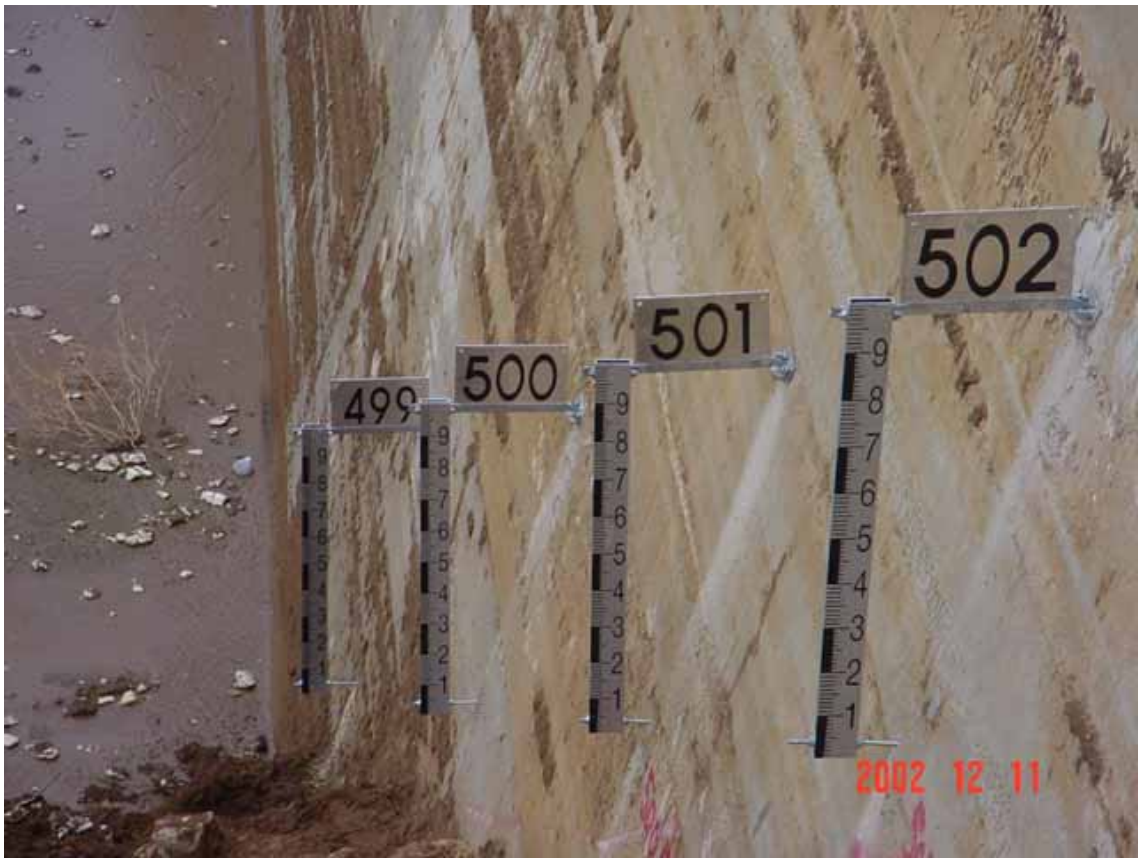
INSTRUMENTS INSTALLED

The installation started during 2001 and according to the dam construction schedule was terminated on January 2004	
V.W. Piezometers and pore pressure transducers	No. 57 (Sisgeo models PK45S and PK45A)
Concrete temperature sensors	No. 36 (Sisgeo thermistors model T3800)
Direct pendulum With optical reading unit	No. 2 (Sisgeo models S9110025-S9RTB150)
Inverted pendulum With optical reading unit	No. 2 (Sisgeo models S9120060-S9RTB150)
Reservoir water level pressure transducers	No. 2 (Sisgeo model P252R)
V-notch weir for seepage monitoring	No. 6
Staff gauges	40 meters
Electrical 2-D and 3-D crackmeters	No. 11 (Sisgeo model D313SA)
Casagrande piezometers	No. 17 (Sisgeo model P101)
Bench marks	No. 25
Datum pillar	No. 5
Accelerographs	No. 3 (GeoSIG Smach System)
Instrument status	On January 2004 100% of the instruments were working
	Courtesy of Eng. M. Fardous (Aegek)

V-notch weirs for leakage measurement

3 point measuring box for direct connection instrument-readout

Installation of inverted pendulum tank



Staff gauges for direct reading of basin level