

ERASINOS RIVER BASIN TRAINING AND MANAGEMENT

Country

GREECE

Location

East Attica

Client

Athens Water Supply and
Sewerage Authority

Financing

Greek State

Services of ENB

691,000 EUR

Project Duration

Phase I: 1999 - 2001

Phase II : 2003 – on going

Associated Firms

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Erasinos river

Project Description

The Erasinos river flows through the Municipality of Attica in the east side of Athens, where the new Athens international Airport in Spata was constructed. The Erasinos river has a catchment area of 210 km² and a flood discharge of 400 m³/s following a flood regulation using two artificial lakes. The training of the Erasinos river was necessary in order to protect from flooding the current and future development of the urban areas as well as the works (already constructed or under construction) in the area of Erasinos river:

- Urban areas of the Municipalities and the existing infrastructures (roads, suburban railway etc) and tourist installations.
- Horse races center for the Olympic Games 2004 and racecourse of Athens in Markopoulo
- New Athens international Airport in Spata
- Archaeological site (Vravrona Temple) in the area of the Erasinos outfall in the sea

Services

Phase I

- Survey and geotechnical investigations
- Preliminary Design for the training of Erasinos river in the section between the sea outfall (Gulf of Vravrona) and the boundaries of the new Athens airport in Spata
- Environmental Impact Assessment
- Establishment of Management Unit

Phase II

- Final Design
- Mathematical model