

SOUTHERN CONVEYOR PROJECT PHASE II

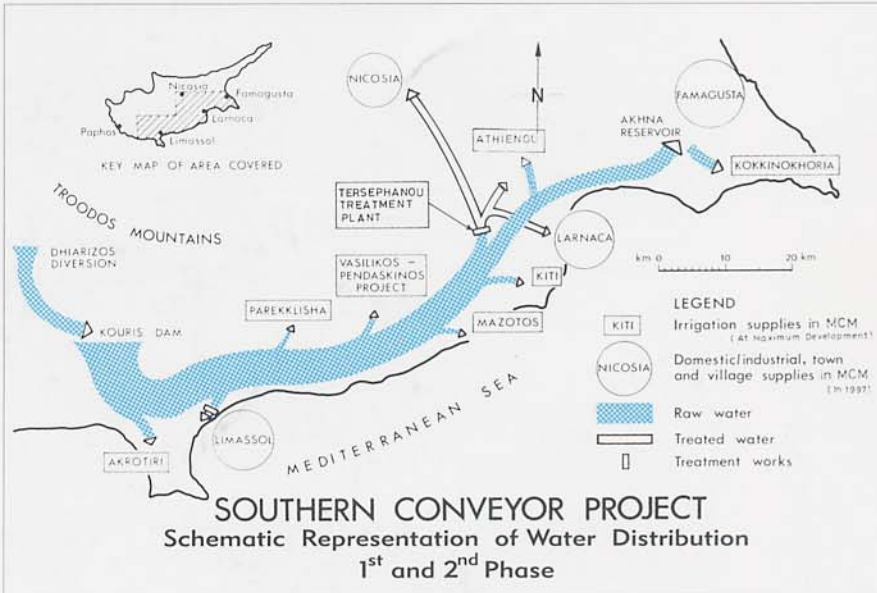
TERSEPHANOU WATER TREATMENT PLANT & TERSEPHANOU – NICOSIA CONVEYOR



Δεξαμενές επεξεργασίας νερού - Process line structures



Κτίριο διοίκησης ΔΝΤ - Administration building TWTP



SOUTHERN CONVEYOR – PROJECT DATA

Feasibility study:

O.D.A. (U.K.) with Sir William Halcrow and Partners, jointly with Water Development Department

Consulting engineers for the detailed design and supervision:

Phase I: Sir William Halcrow and Partners, U.K.
Phase II: Energoprojekt Hydroinzenjering, Yugoslavia

General responsibility for design, supervision, operation and maintenance: Water Development Department

Loans from: European Investment Bank
Kuwait Fund for Arab Economic Development

Funding: Republic of Cyprus

Main features:

- Kouris dam 115 MCM
- Dhiarizos diversion tunnel 14,5 km
- Southern conveyor 110 km
- Akhna reservoir 6,8 MCM
- Limassol water treatment plant 40 000 m³/day
- Tersephanou water treatment plant 60 000 m³/day
- Tersephanou-Nicosia conveyor 37 km, 900mm dia, 900 l/s

Irrigation distribution system for:

- Kokkinokhoria area)
- Akrotiri area)
- Kiti area) 13 926 Ha
- Mazotos area)
- Parekklisha area)
- Athienou – Aradhipou areas)

Project water sources:

- Kouris dam (average) 45 MCM/year
- Dhiarizos diversion (average) 21 MCM/year
(Estimates during Feasibility Study, 1980)

Additional sources of potable water:

- Dhekelia desalination plant 14,6 MCM/year
- Larnaca desalination plant* 14,6 MCM/year
* under construction

Water allocation:

- Domestic uses 11,6 MCM/year
- Irrigation 11,5 MCM/year
(Based on operation period 1988-1999)

Main crops:

- Citrus, potatoes, early garden produce etc.

MCM – Million Cubic Metres.



Σήραγγα εκτροπής Διάριζου - Dhiarizos diversion tunnel