

Dam: Tersun

Country Turkey

River Tersun

40°12'40.9"N 39°15'22.55"E

40.211361 39.256264

Owner/Client DSI - State Hydraulic Works

Designer/Engineer Dolsar

Contractor Cihan İnsaat Sanayi ve Ticaret Ltd. Şti.☐☐

Purpose (code) I

Site start 01.01.2016

RCC start 01.01.2020

RCC completion 31.12.2025

Site completion 31.12.2026

Height (m) 51

Length (m) 236

Volume of RCC (m<sup>3</sup>x10<sup>3</sup>) 205

Total volume (m<sup>3</sup>x10<sup>3</sup>) Unknown

Reservoir capacity (m<sup>3</sup>x10<sup>6</sup>) 9

Upstream slope 0.05

Forming of upstream face (code) (1)

Downstream slope 0.80

Forming of downstream face (code) (1)

Spillway slope Unknown

Forming of spillway face (code) Unknown

Depth of layers (mm) Unknown

Depth of lifts (mm) Unknown

Cement content (kg/m<sup>3</sup>) Unknown

Pozzolan content (kg/m<sup>3</sup>) Unknown

Code for pozzolan Unknown

RCCDAM Unique Serial No. RCCDAM1151

### Google Earth



RCCDAM1151GE

# Guide to Abbreviations

## Purpose

- E Environmental
- F Flood control
- G Groundwater recharge
- H Flood control
- I Irrigation
- N Navigation
- P Pollution control
- R Recreation
- W Water supply

## Facing method

- (1) Traditional concrete against formwork
- (2) Traditional concrete against formwork with external geomembrane
- (3) RCC against formwork
- (4) RCC against formwork with external geomembrane
- (5) Traditional concrete against precast concrete panels
- (6) Traditional concrete against precast concrete panels with geomembrane
- (7) RCC against precast concrete panels
- (8) RCC against precast concrete panels with geomembrane
- (9) RCC against precast concrete panels with hot poured membrane
- (10) RCC against precast concrete blocks
- (11) Reinforced conventional concrete cast before RCC placement
- (12) Reinforced conventional concrete cast after RCC placement
- (13) Reinforced concrete cast against precast units or slip-formed facing elements
- (14) Slip-formed/extruded facing elements
- (15) RCC supported by fill shoulders
- (16) Mechanically compacted unformed face of RCC
- (17) Unformed face of RCC
  - ' GEVR/GE-RCC
  - \* Stepped face

## Pozzolans

- (-) No Pozzolan Used
- (C) High-lime flyash (ASTM Class C)
- (F) Low-lime flyash (ASTM Class F)
- (M) Milled sand
- (N) Natural pozzolan (ASTM Class N)
- (R) ROLAC (mixture of flyash and slag with or without limestone fines)
- (S) Ground-granulated blast-furnace slag
- (L) Mixture of GGBFS and limestone fines