

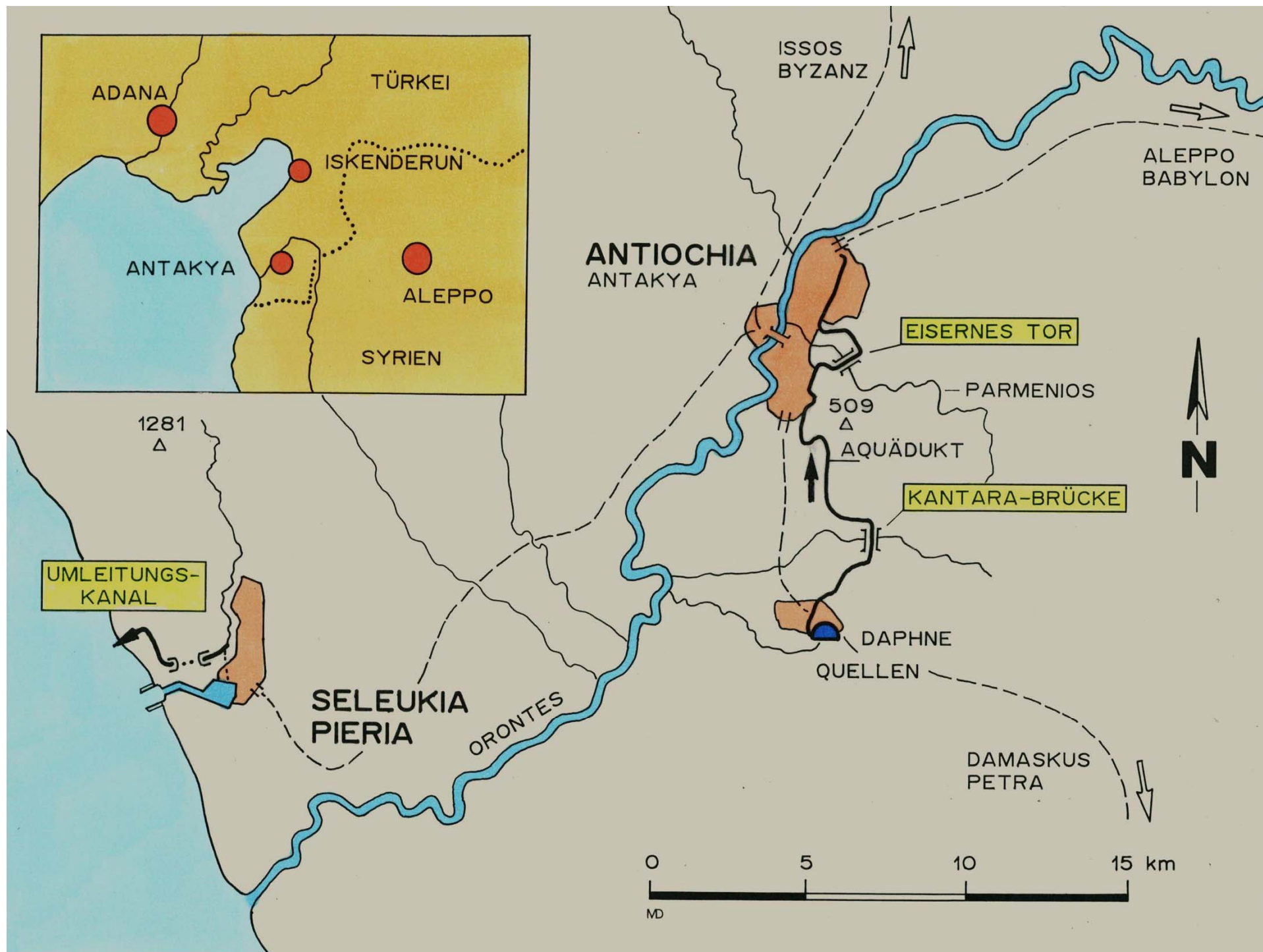
# **The roman hydraulic engineering buildings of Antioch (Turkey)**

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## **Abstract**

In Antioch, today's Antakya, three remarkable ancient hydraulic engineering buildings are to be found. Among them the strange and completely sinter-covered ruins of the Kantara bridge of 35 in height, which was erected in the 2nd century AD and which supported one of the aqueducts. The "Iron Gate" is another aqueduct bridge which was turned into a reservoir and dam for flood protection within the 6th century AD. This dam which is still in operation is presumably the oldest still existing dam with horizontal load transfer – thus a precursor of the modern arch dams. A partially subterranean flood relief channel with exceptional dimensions is still in use at the former harbor of the town.

For detailed text please open the Word file for this presentation.

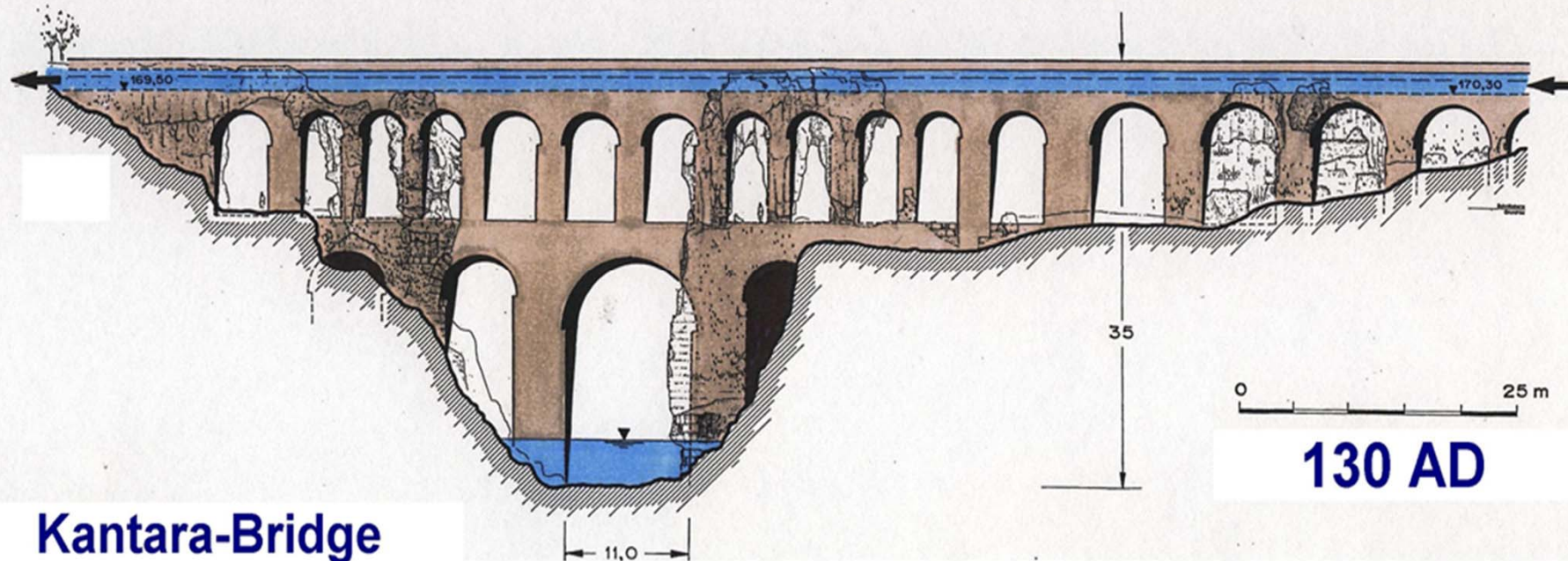




**Water channel**

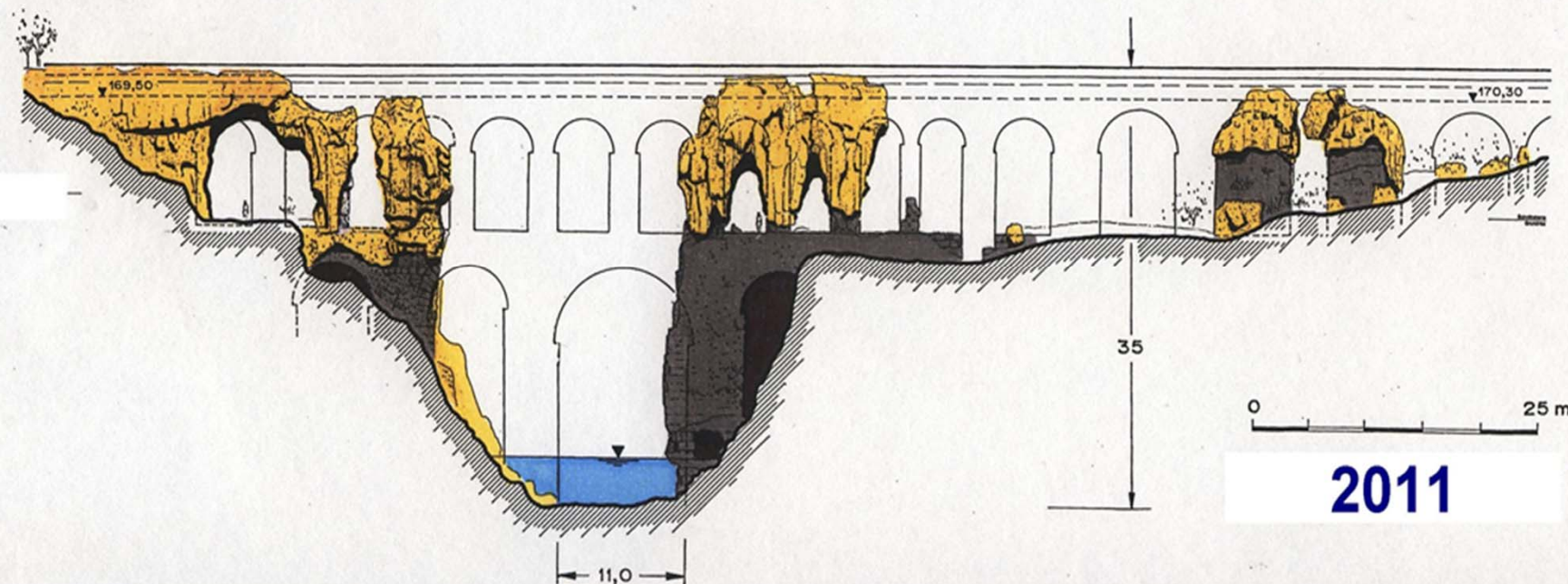






**130 AD**

**Kantara-Bridge  
2. Aqueduct, 120 AD**



**2011**





