

Ancient Water Systems of the Lamas Çayı *And the surrounding hinterland* Water systems of Southern Turkey



This map is not based on a specific timeframe.

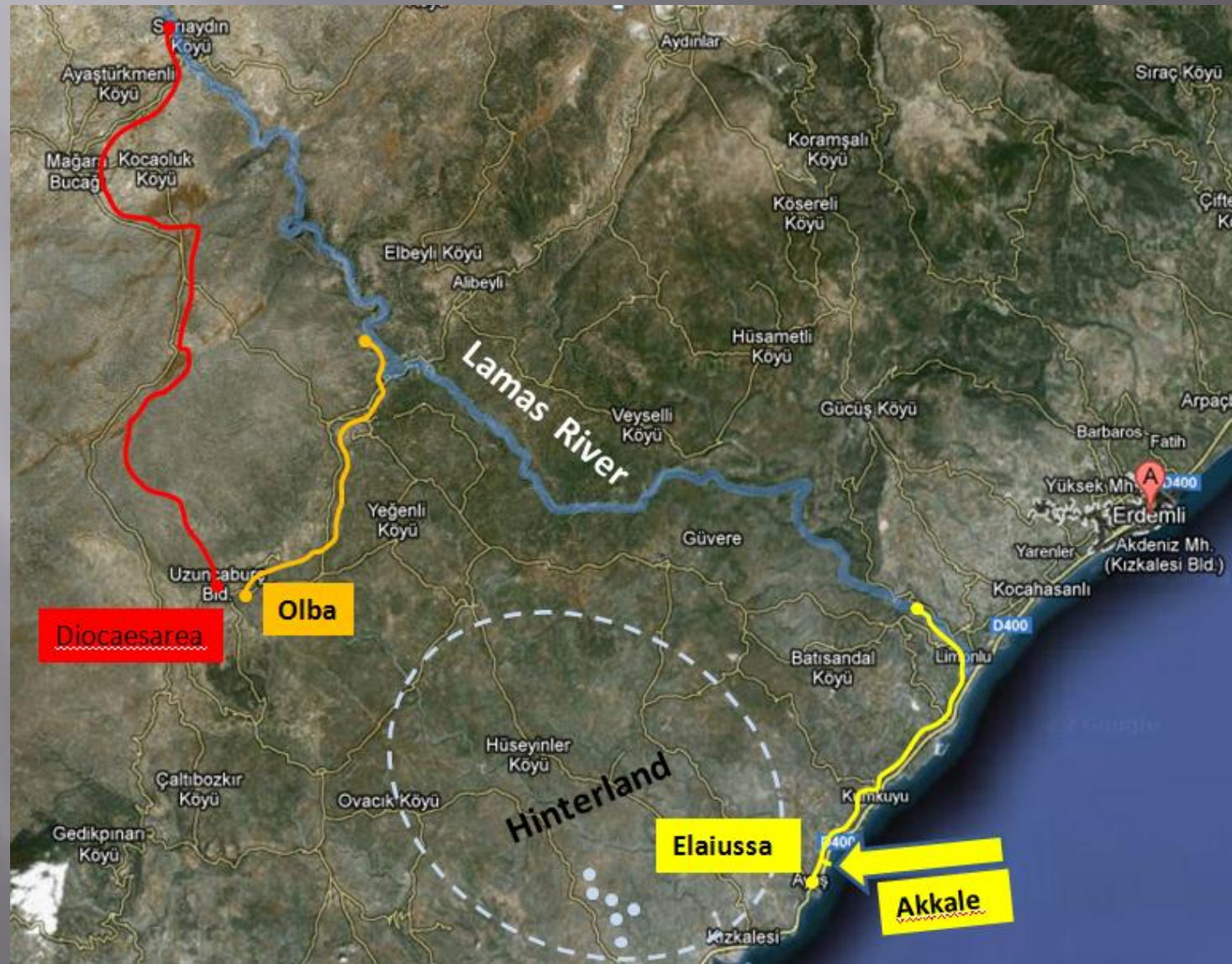
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Cilicia



Ancient Water Systems of the Lamas Çayı



Modern Lamas Valley Hydroelectric plants



ELAIUSSA SEBASTE WATER SYSTEM

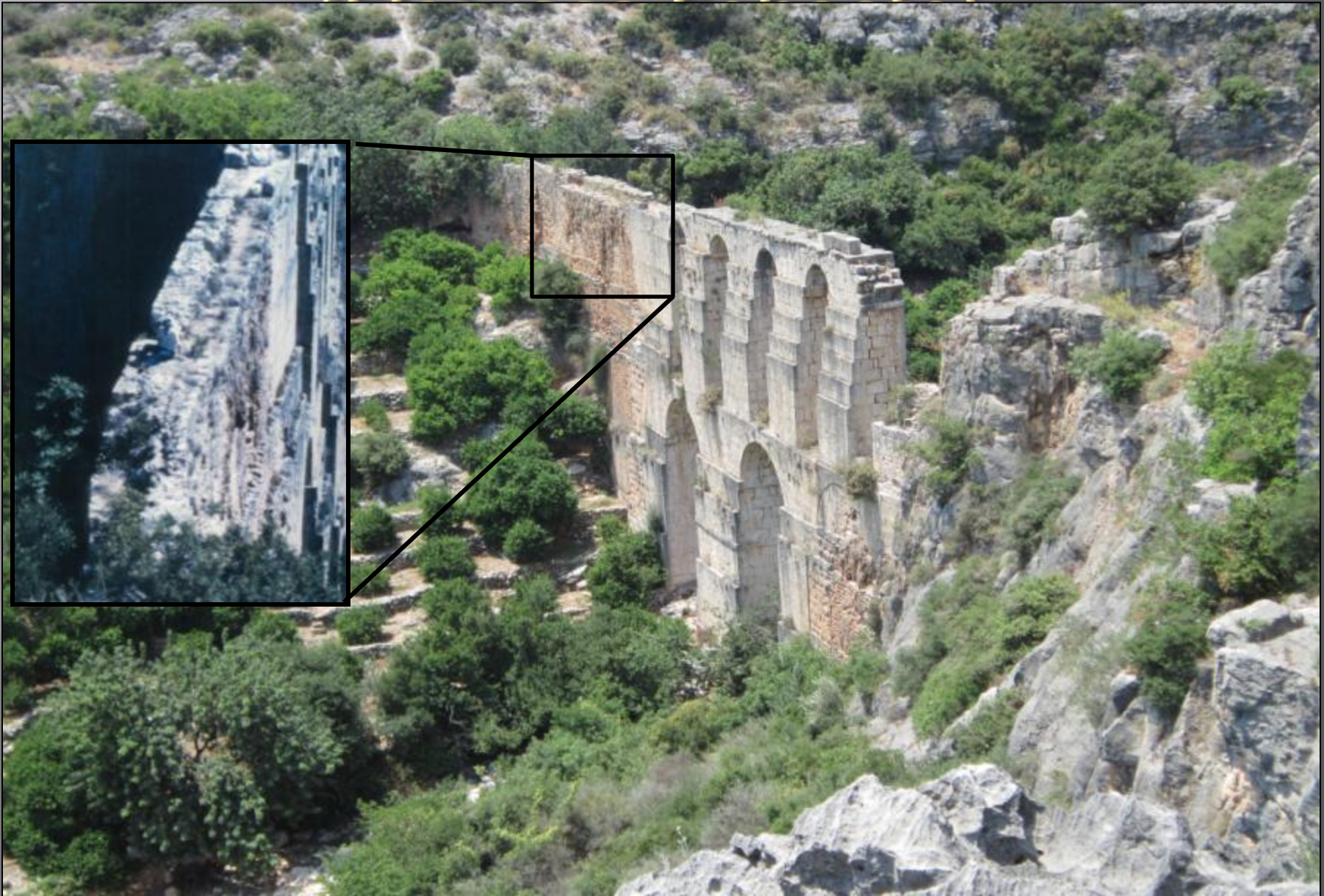


Ancient rock cut aqueduct channel (Elaiussa Sebaste)



Limonlu aqueduct bridge

(Ephesus, Selçuk)



Tirtar Aqueduct Bridge (Elaiussa Sebaste)



Kumkuyu aqueduct bridge (Elaiussa Sebaste)



Above Ground Channel (Elaiussa Sebaste)



Yemişkumu (C) aqueduct bridge (Elaiussa Sebaste)



Ancient channel used for modern water pipe sub-structure



Yemişkumu (A) diversion (Elaiussa Sebaste)



The ancient channel with a modern agricultural water diversion

Akkale off take channel (Elaiussa aqueduct)



Bell Cistern Elaiussa Sebaste



Earlier bell cistern destroyed to build later bath building

Olba Aqueduct



Modern Weir Olba Aqueduct



Gravity flow water intake pipe Olba Aqueduct



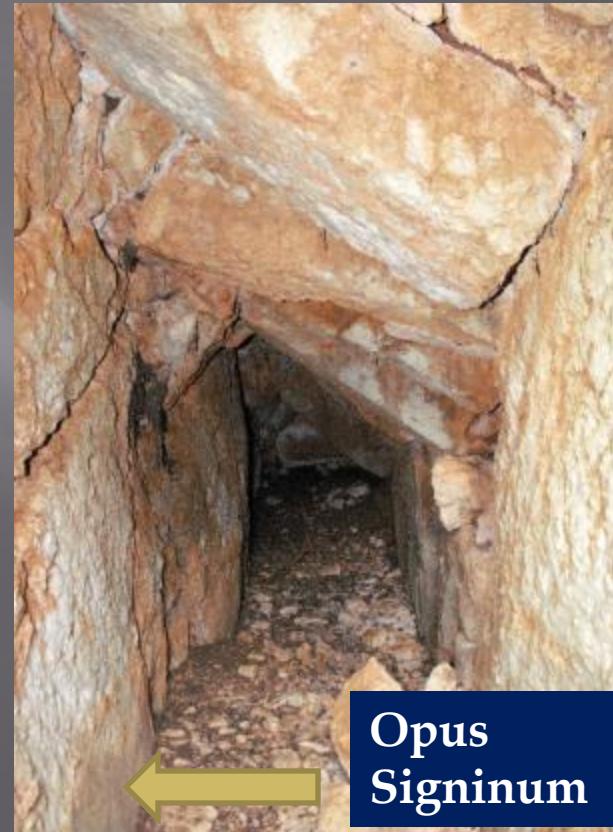
Ancient Aqueduct still in use (Olba)



Ancient Aqueduct still in use (Olba)



In ground rock cut channels (Olba aqueduct)



Olba - Ancient Sluice Gate



Modern Water Taps (Lamas River)



Olba Nyphaeum



Ancient & Modern Water Use (Olba Nyphaeum)



Local resident carrying water from ancient cistern

Diocaesarea Aqueduct

Modern water pipeline crossing ancient aqueduct channel (Diocaesarea)



Ancient aqueduct channel & modern Çeşme (fountain)



Ancient channel tunneling under the hill (Diocaesarea)



Cistern - Silifke



Cilician Hinterland

Rural cisterns (Olba Area)



Ancient cistern still in use right next to modern open pool cistern

Roman Villa & Cisterns



Numerous rock cut
cisterns in area

Rural cisterns Examples (Erdemli area)



Stone pipes & drains



▣ Engineering Problems were the same for the ancient & modern builders

Ancient channel required continuous Repairs



Sinter & Leakage



Titar aqueduct bridge

Leaks in modern pipes (Erdemli area)



Modern Problems (Elaiussa – Lamas River)



Leaking pipeline below ancient aqueduct channel

Modern Pipeline needs repair



Lamas River

