

Water Recourses Management & Natural Environment Changes in Ancient Pleurona, Greece

Monika Diamanti

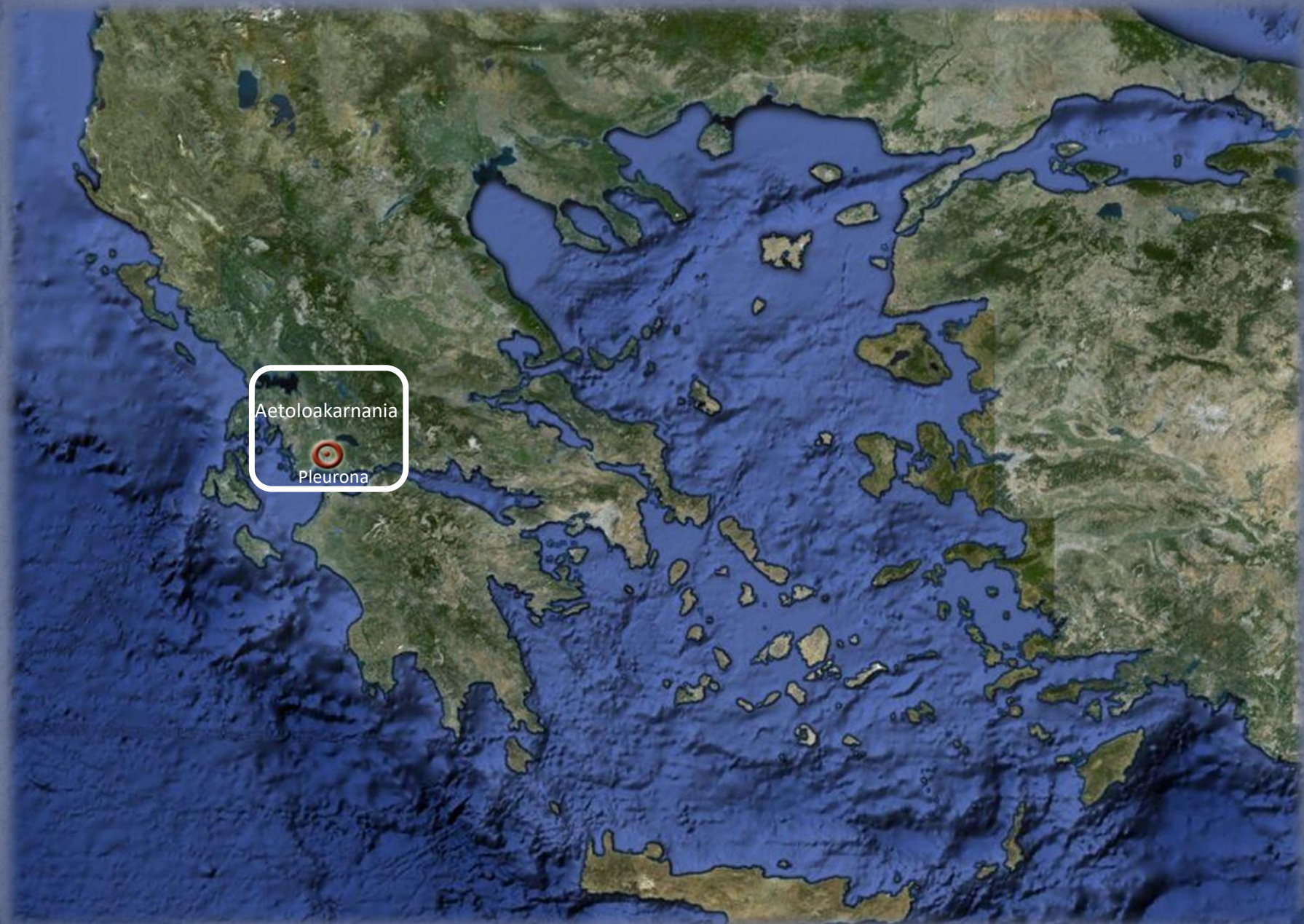
Archaeologist-Museologist MA,

PhD candidate Ionian University, Corfu, Greece, with IKY scholarship

Ioannis Kalavrouziotis

Assistant Professor, Department of Environmental and Natural Resources
Management, University of Agrinio, Greece

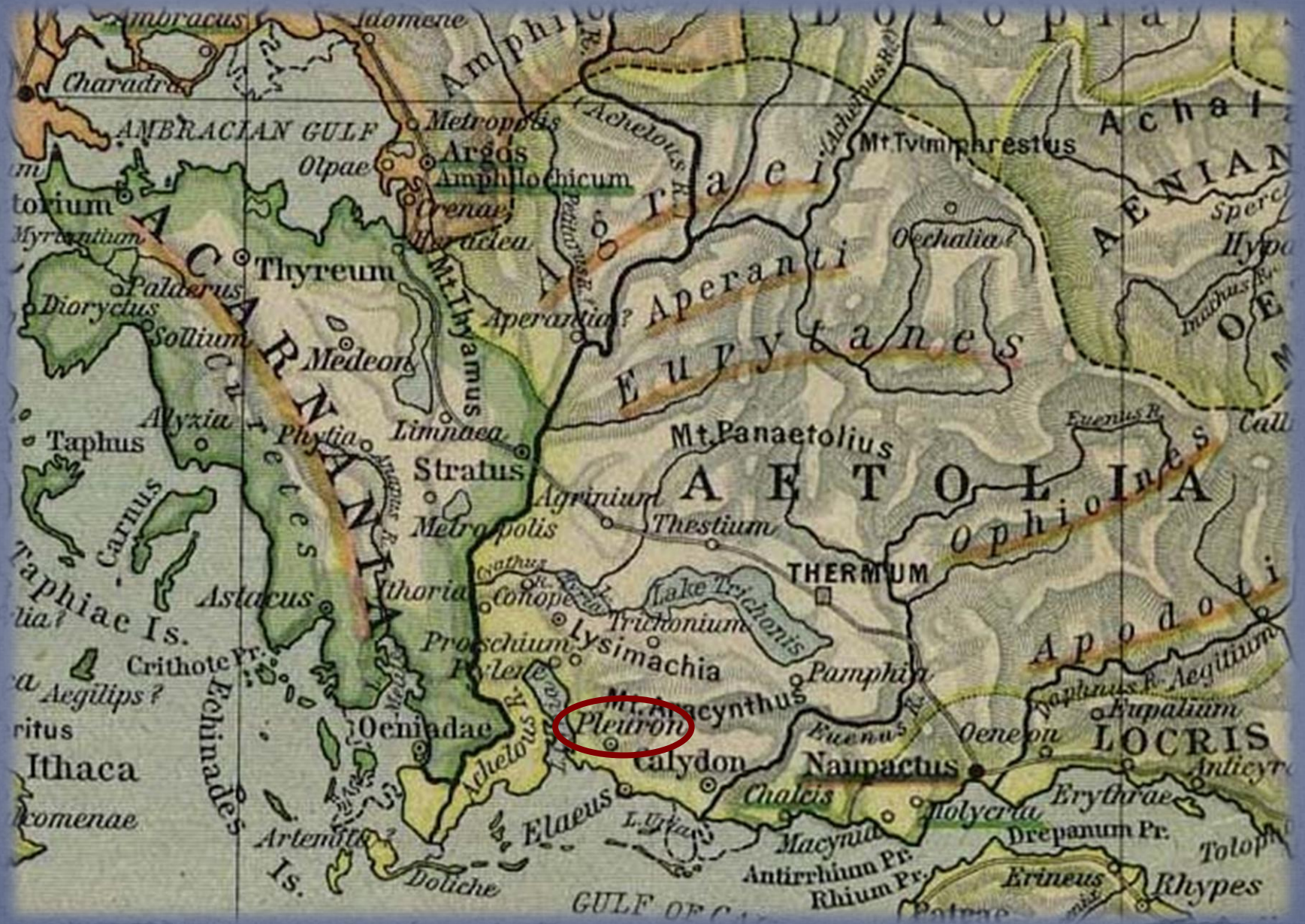
Werstern Greece – location of Pleurona



The city of Mesologgi, as seen from Pleurona



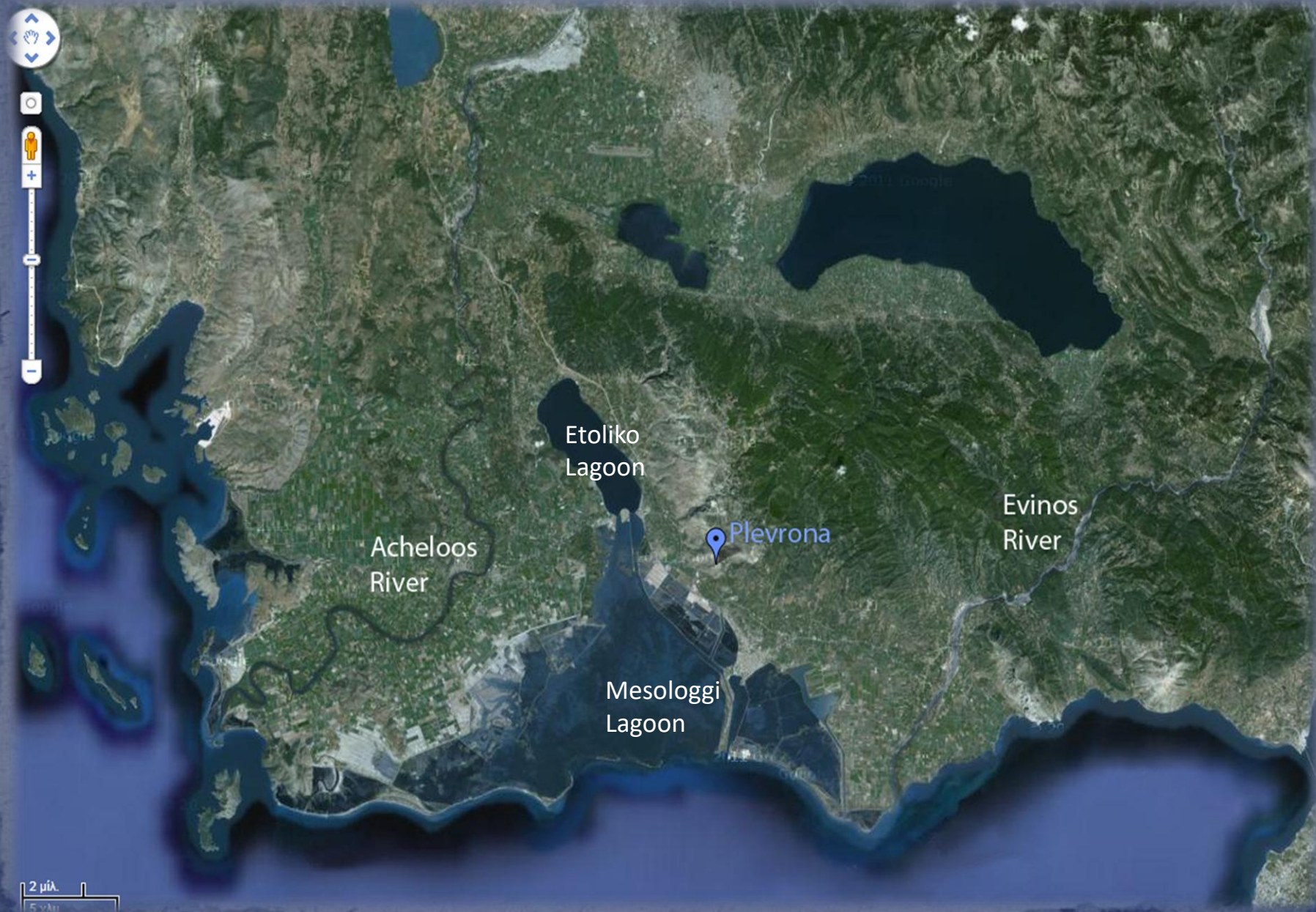
Map of Aetolia and Akarnania in ancient times



New Pleurona: the city and the acropolis



Werstern Greece – location of Pleurona



View of the Arakynthos mountain range



Air view of Aitoliko and Mesologgi lagoon system



Air view of Acheloos River Delta



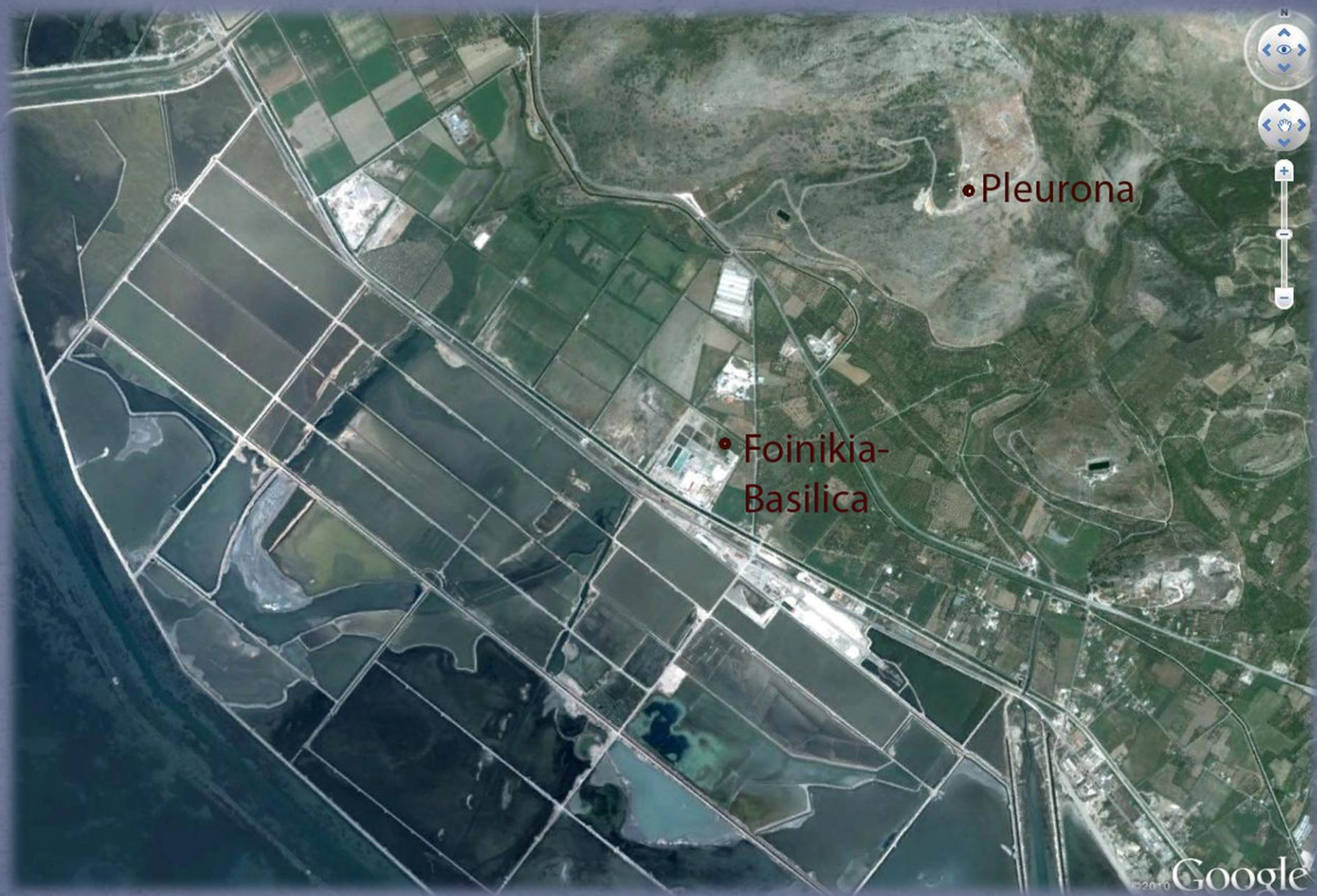
The battle of Acheloos with Hercules, 520-510 BC
(the "Oltos Stamnos", British Museum)



“Treis ekklisies”: the location of the ancient port



“Foinikia”: the location of the basilica



Pleuirona: the ancient city

Acropolis

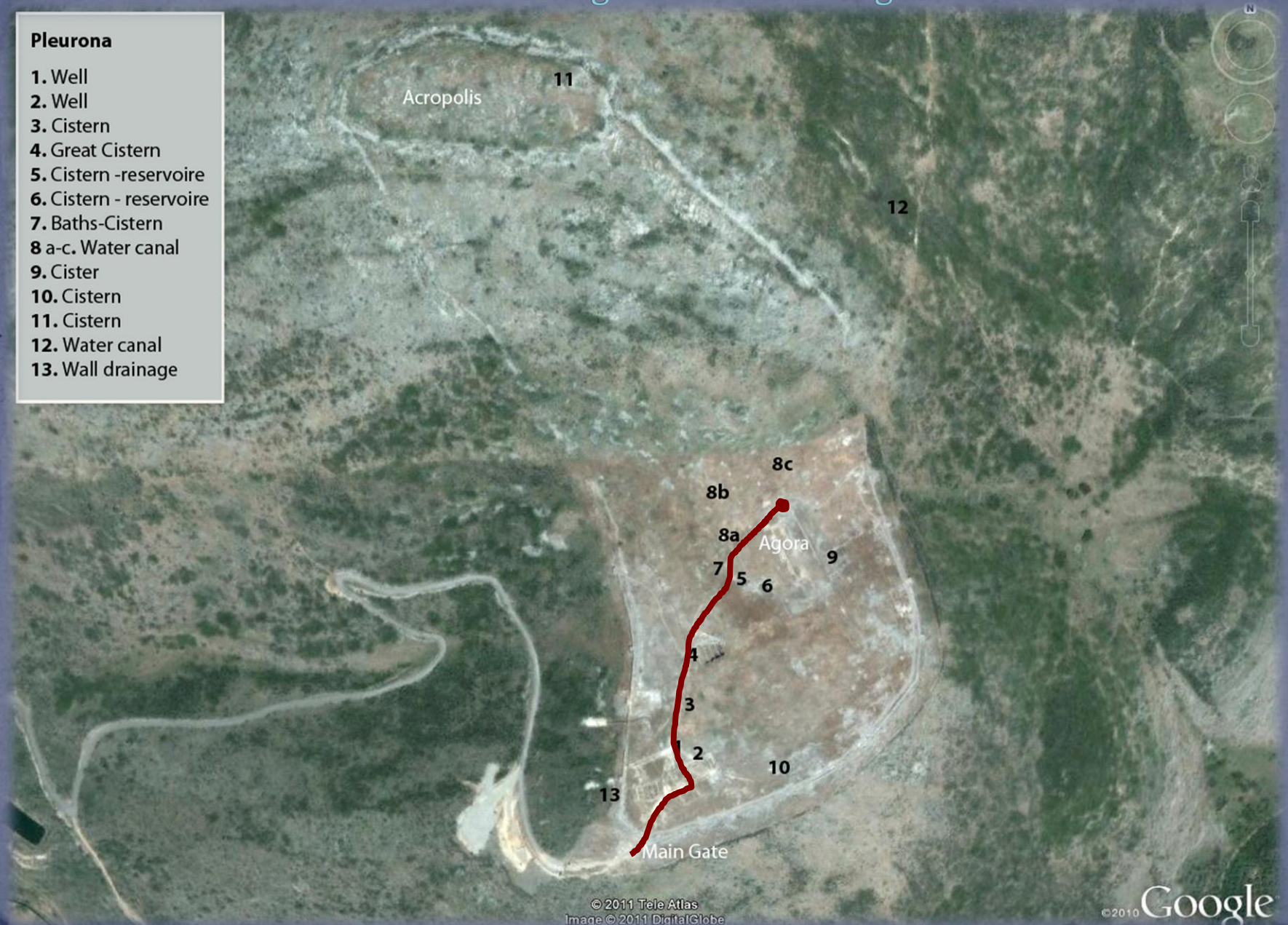
Agora

Main
Gate →

Pleuirona: water management archaeological evidence

Pleuirona

1. Well
2. Well
3. Cistern
4. Great Cistern
5. Cistern -reservoir
6. Cistern - reservoir
7. Baths-Cistern
- 8 a-c. Water canal
9. Cister
10. Cistern
11. Cistern
12. Water canal
13. Wall drainage



Pleuona: wells, cisterns and reservoirs

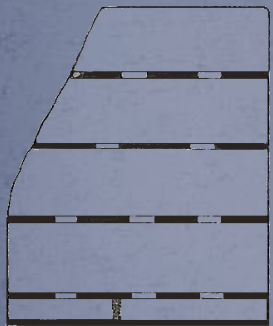
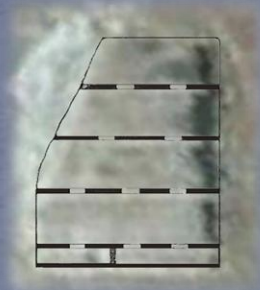


Pleuona: the Great Cistern



The Great Cistern

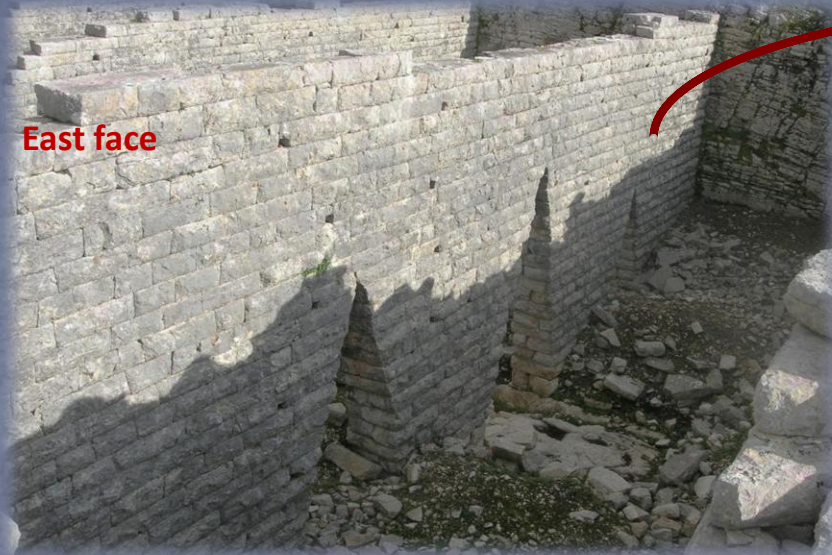
Ground plan after Woodhouse, 1897



The south compartment with the original roofing



View of the **East** (even) and **West** (uneven) faces of the cistern's walls

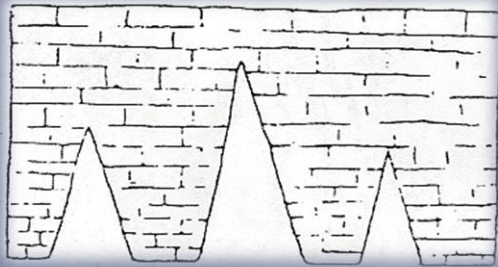


West face

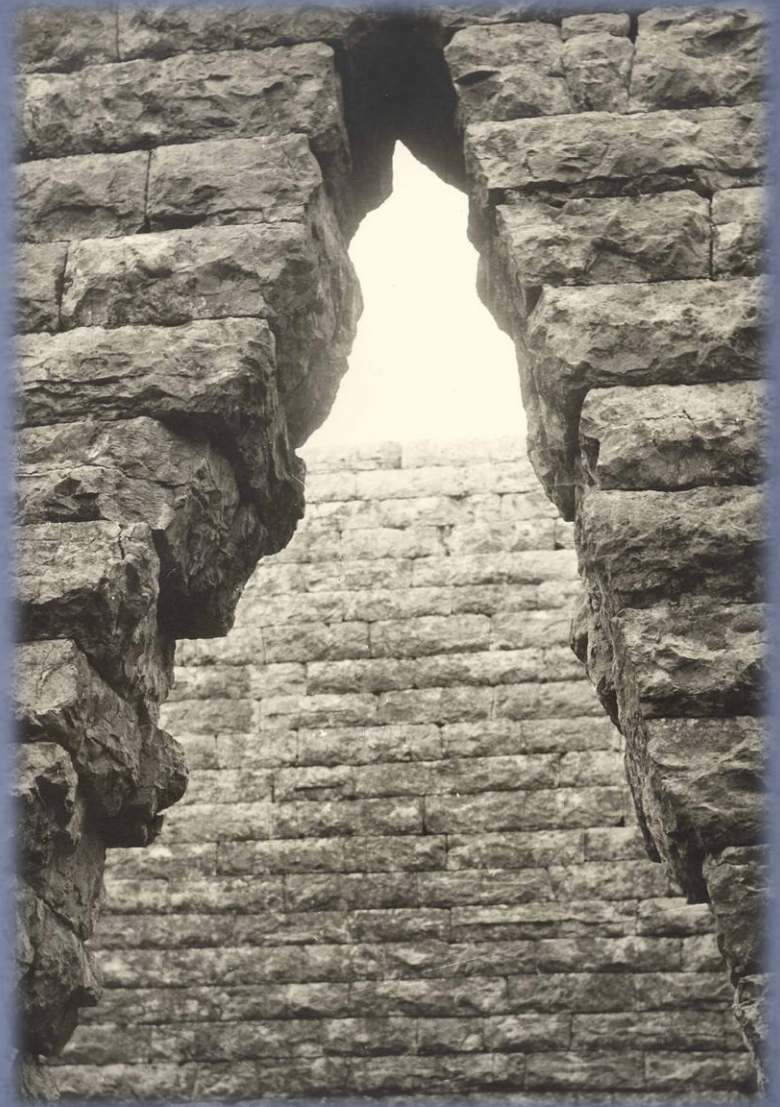
Some of the small openings of the cistern's walls



The triangular openings of the cistern's walls

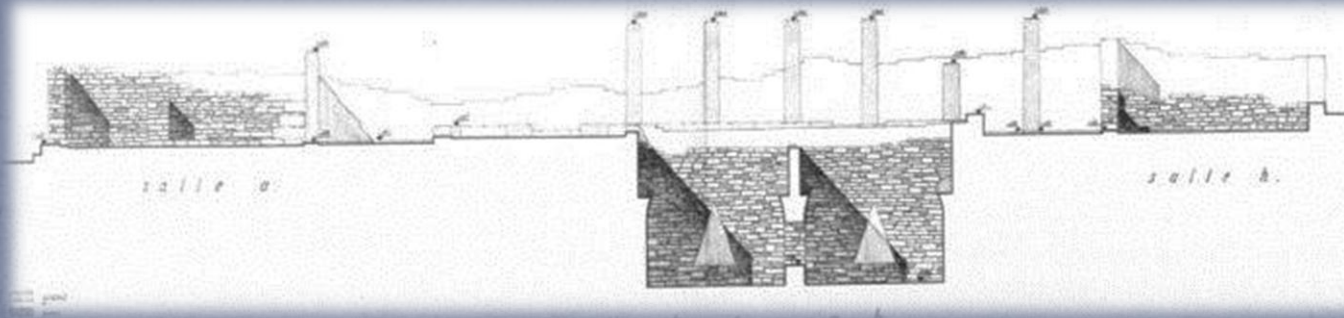


Drawing after Woodhouse, 1897



Photos courtesy of the Historical & Archaeological Society of Western Greece (IAEDSE)

Delos: the triangular openings of the Granite Palaestra



Pleurona: Foundation of the triangular opening on the bedrock



Pleurona: The acropolis cistern



The reservoirs Nr 5 & 6



The small baths



The flow canal of the agora



The cistern of the agora



The south cistern – the direction of the underground pipeline



The interior of the cistern: the end of the underground pipeline (right)





