

















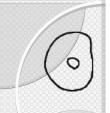
Moving Targets: Mapping the Shoreline of Cyprus Georgia Marina Andreou, University of Edinburgh

g.andreou-2@sms.ed.ac.uk





Top left: Mazotos; Top right: Kivisili; Bottom: Tochni





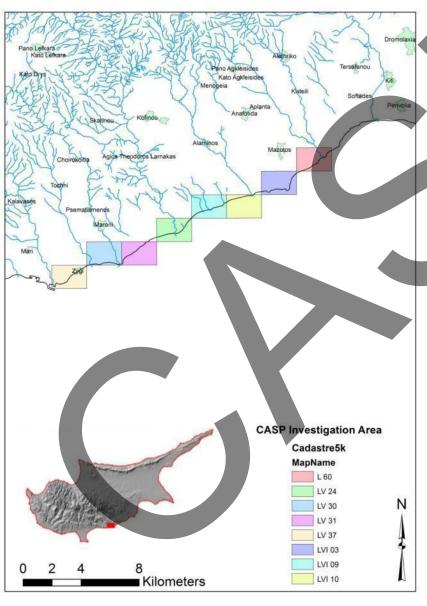








HONOR FROST FOUNDATION Supporting Marine and Maritime Archaeology in the Bastern Mediterranean

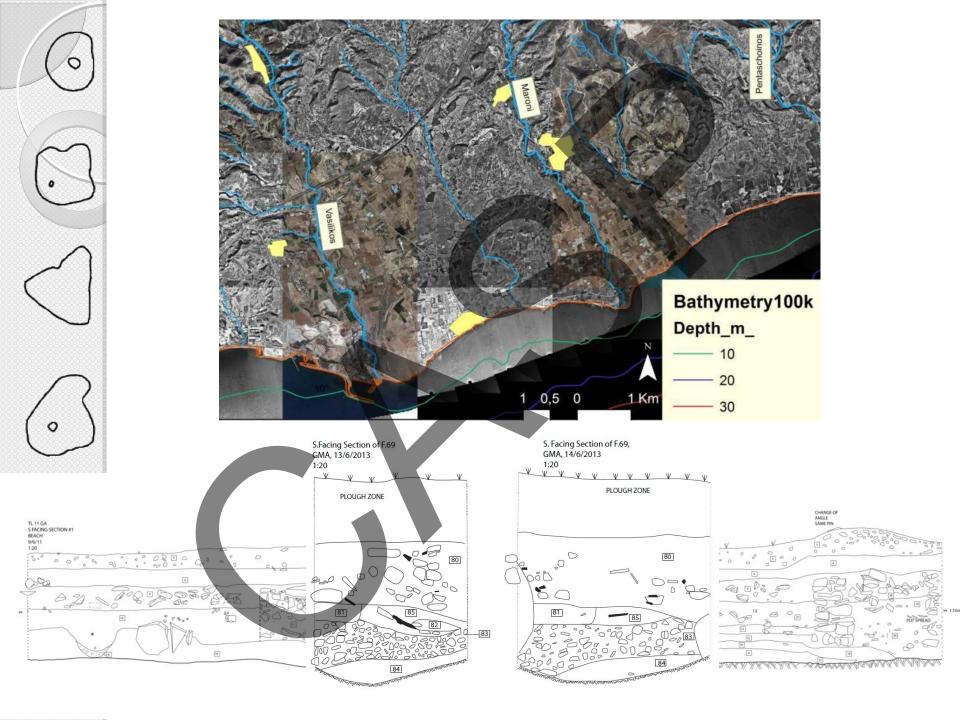


Cyprus Ancient Shoreline Project

- Ascertain local drivers of erosion
- Assess the extent of land loss and its impact on cultural heritage
- •Propose mitigation measures and legal frames to protect the Cypriot coastal heritage

Methodology

- Investigation of diachronic settlement patterns
- Examination of historical cartography







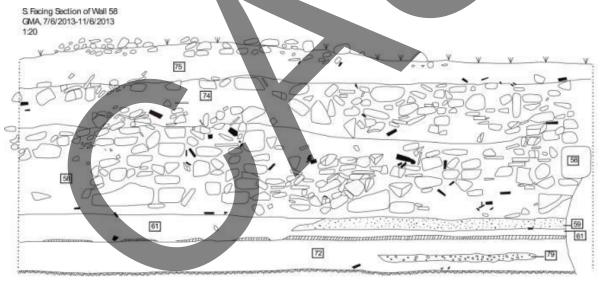


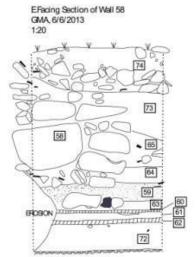




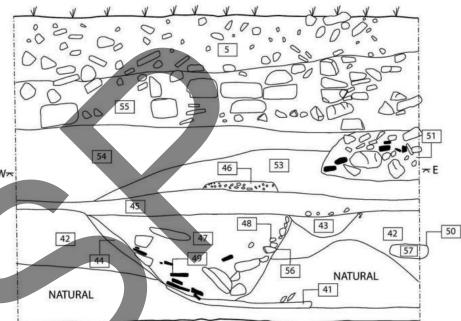














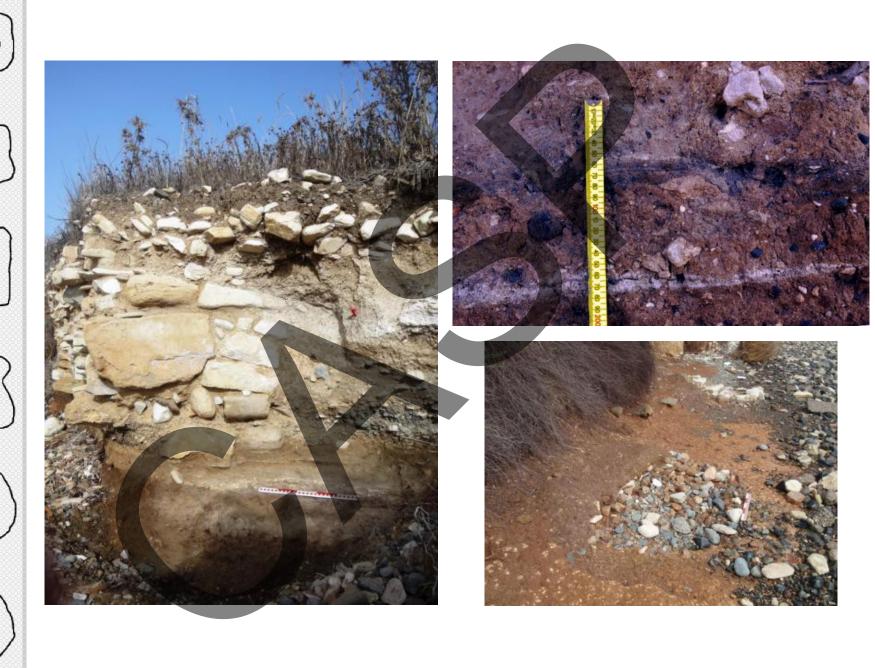




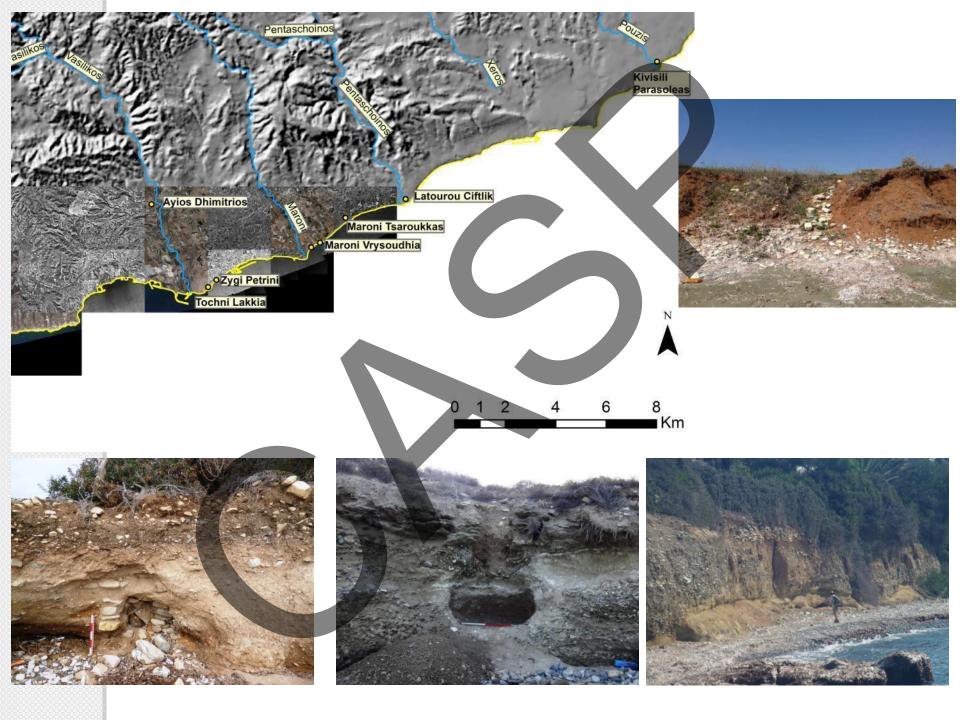
- Chamber cut on natural
- Burnt stones
- Pithos sherds
- •Ash
- Burnt/Petrified Surface
- •One pottery sherd adhered to that surface.

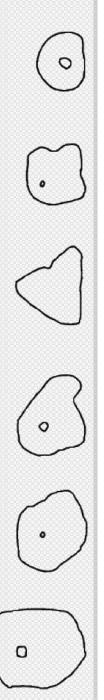






Tochni Lakkia actively eroding features; Top right: Note potential carbon



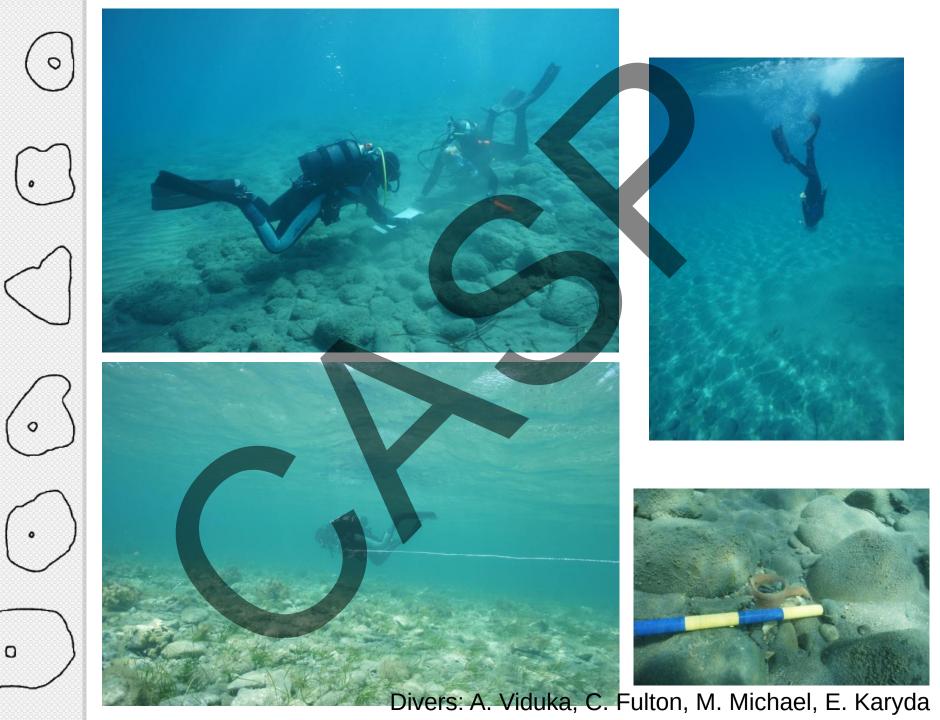


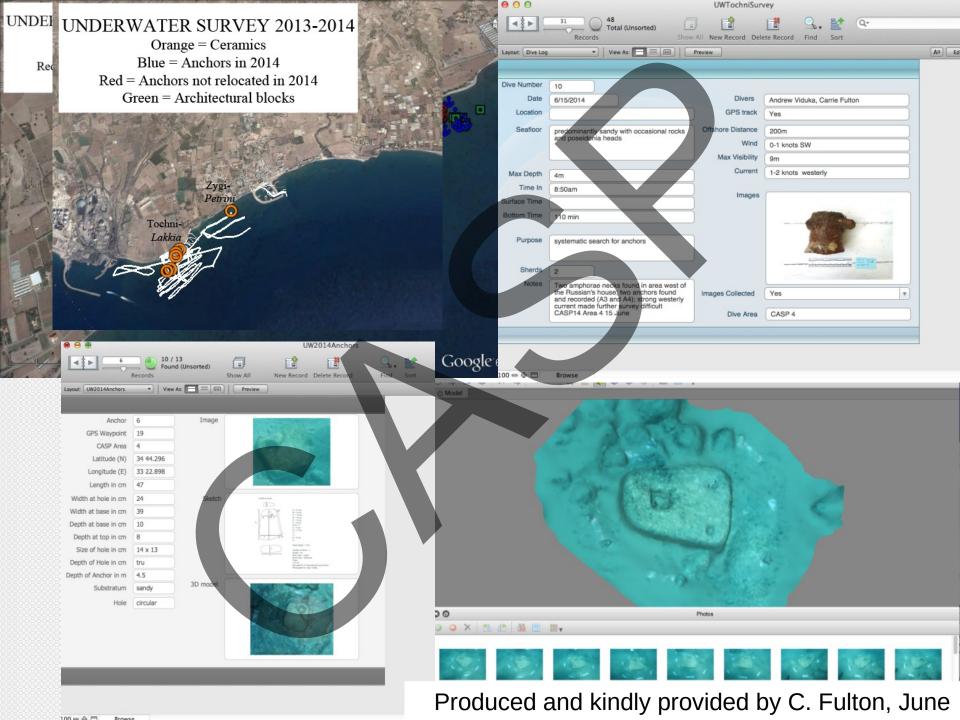


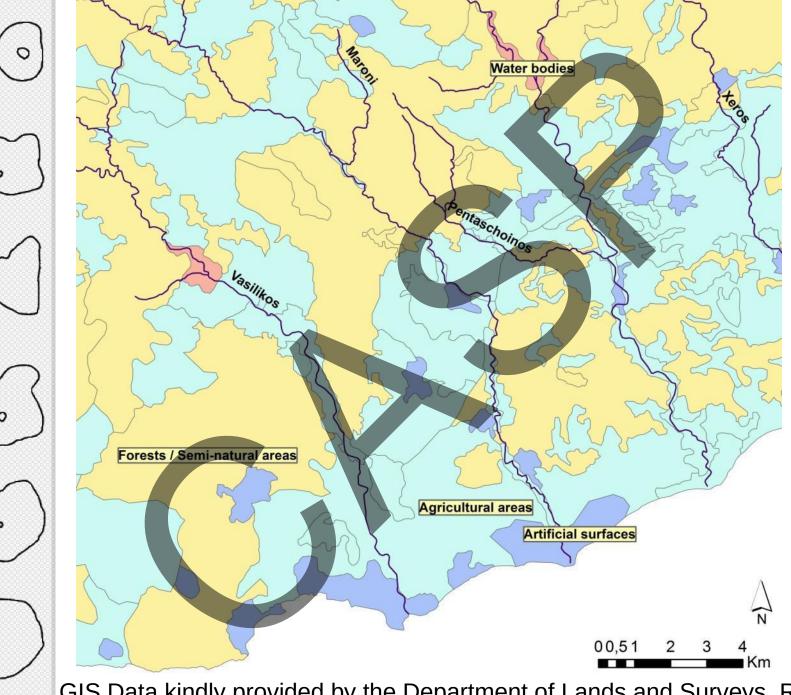






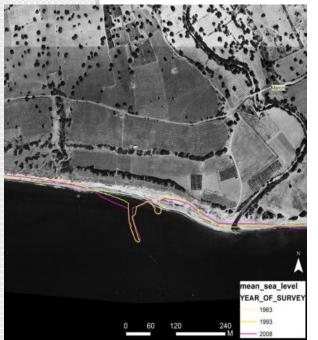






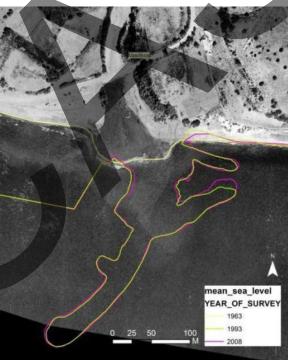
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GIS Data kindly provided by the Department of Lands and Surveys, Republic of



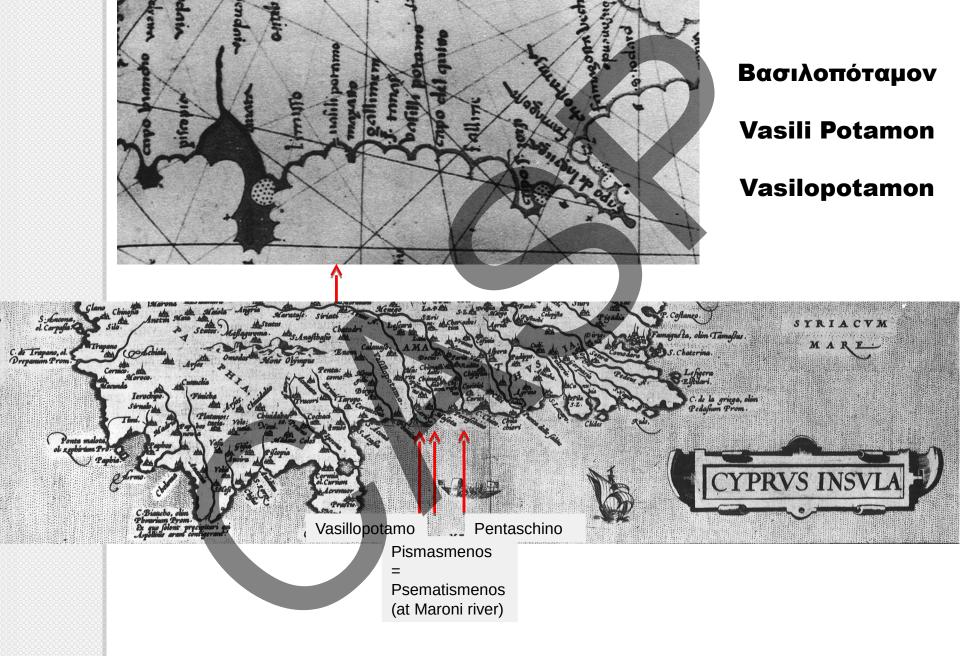
Name	Year	Status	Material	Quantity (m³)
Tilliria	1955-1965	Illegal	Sand	100000
Chrysochou Bay	1955-1970	Legal	Sand/gravel	300000
Akamas	1955-1965	Legal	Sand	10000
Pafos – N	1965-1990	Legal	Sand/gravel	1000000
Pafos – S	1965-1980	Legal	Sand/gravel	300000
Episkopi Bay	1975-1980	Illegal	Sand	10000
Cape Gata	,	Illegal	Sand/gravel	?
Limassol	1975	Legal	Sand	1000
Zygi-Kiti	1960-1980	Illegal	Sand/gravel	60000
Larnaca	1970-1980- today	Legal/illegal	Sand/gravel	20000



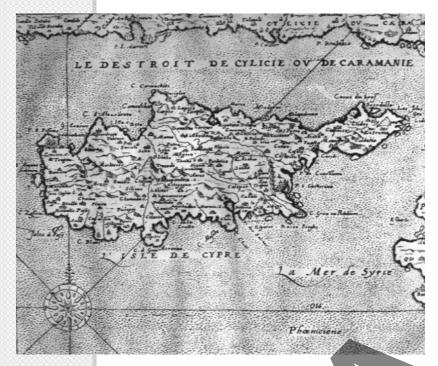


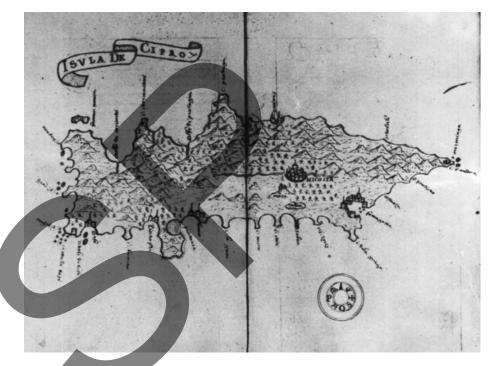


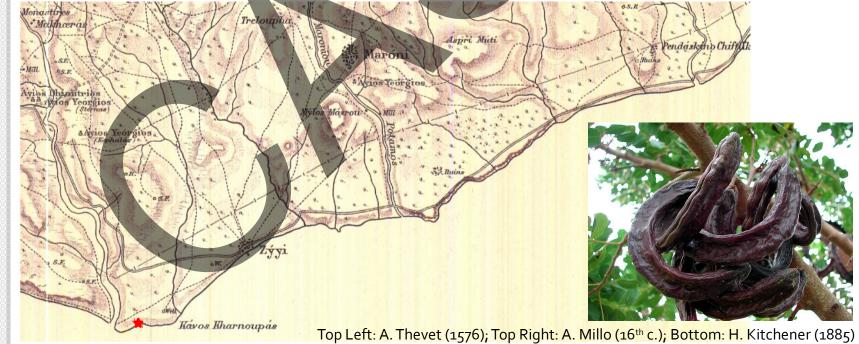
Special thanks to X. Loizides

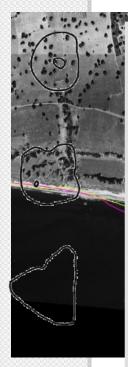


Top: Alvine Cexano (AD 1460); Bottom: Abraham Ortelius (16th century)









What makes an antiquity worth protection?

- Excavated architecture is PROTECTED
- •Known (recorded through survey) but unexcavated antiquities do not belong to the government
- •Eroding antiquities contain architecture but they are NOT excavated. What is their status?

-1993 2008

What is a coast?

- Foreshore Protection Act = 100 yards from winter tide
- •Town Planning and Housing Law = 100 metres from coastline
- •WHAT IS COASTLINE?
- •IS THE WINTER TIDE ESTIMATED?

Land Archaeology → PROTECTED

Underwater Archaeology → PROTECTED

Eroding Coastal Archaeology→ ???



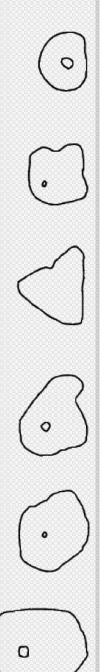
1993 2008







Scottish Coastal Archaeology and the Problem of Erosion: www.scapetrust.org















Geophysical survey by T. Urban





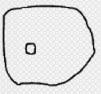












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