

The Rural Landscapes of Archaic Cyprus

An Archaeology of Environmental and Social
Change

CATHERINE KEARNS

University of Chicago



Contents

List of Figures [page ix]

List of Tables [xiii]

Preface [xv]

1 Introduction [1]

Unruly Landscapes [14]

Town and Country on Iron Age Cyprus [20]

A Map [33]

On Chronology [37]

PART I: ON ENVIRONS

2 Reassessing the “Land” of Landscape: Environments, Climates, Weathering [43]

Introduction [43]

Archaeologies of Landscape [47]

Environments, Climates, Histories [53]

Weathered Landscapes [65]

Conclusions [73]

3 Unruly Landscapes: Rural Resources, Territory, Time [76]

Introduction [76]

Consuming Landscapes [82]

Territory and the Messy *Chora* [90]

Unruly Time [99]

Conclusions [106]

PART II: ON THE RURAL

4 Pulses in an Electromagnetic Field: First-Millennium BCE

Environmental and Social Change [113]

Collapse and Regeneration [113]

An Environmental History of the Early First-Millennium BCE [119]

Surveying Landscapes of Before and After [130]

Conclusions [150]

5	Beyond Amathus: South-Central Cyprus in Context	[154]
	Introduction	[154]
	Emergent Settlements	[159]
	Mortuary and Ritual Landscapes	[171]
	A South-Central Small World?	[186]
	Conclusions	[198]
6	Gypsum, Copper, Soil: Archaic Countrysides	[204]
	Introduction	[204]
	Gypsum	[206]
	Copper and Trees	[221]
	Soil and Water	[230]
	Conclusions	[241]
7	Conclusions: Becoming Rural	[244]
	Relational Countrysides	[245]
	Unruly Anthropocenes	[261]
	<i>Appendix: List of Survey Sites in the Vasilikos and Maroni Valleys</i>	[267]
	<i>Notes</i>	[275]
	<i>References</i>	[288]
	<i>Index</i>	[350]

Figures

- 1.1 Idalion Tablet, (a) Face A and (b) Face B (Bibliothèque Nationale de France, Cabinet des Médailles, inv. 2297) [page 2]
- 1.2 Map of Cyprus showing its position in the eastern Mediterranean, the central Troodos massif, and major historical sites. 75 m DEM [7]
- 1.3 Kingdoms and hypothetical boundaries ca. 673 BCE (adapted from Rupp 1987: 166, map 4) [22]
- 1.4 Position of Vasilikos and Maroni river valleys on the south-central coast, east of Amathus, showing geomorphological zones [27]
- 1.5 Survey findings for Geometric and Archaic sites around Amathus and in the Vasilikos and Maroni valleys, showing an outline of survey grids, and inset of central acropolis and surrounding necropoleis at Amathus. 75 m DEM [28]
- 2.1 Virtual three-dimensional reconstruction of the Pithos Hall within Building X at Kalavassos *Ayios Dhimitrios*, ca. 1300 BCE (drawn by Lisa McClean, courtesy of Kevin D. Fisher and the Kalavassos and Maroni Built Environments Project) [68]
- 3.1 Stele of Sargon II (Pergamonmuseum, Berlin VA 986) [77]
- 3.2 Map showing upper and lower pillow lava formations (pink) around the Troodos massif and historical polities. 75 m DEM (adapted from Kassianidou 2013: 51, fig. 1) [79]
- 3.3 Cross-channel wall in a detached alluvial channel, west of the Vasilikos River [87]
- 4.1 Distribution of major Late Bronze Age urban centers [115]
- 4.2 The radiocarbon curve (black line) for 3000 BCE–1950 CE, showing section 1000–500 BCE in more detail, as well as radiocarbon content decay (magenta) and residual radiocarbon (aquamarine) records. Number 1 points to the cooling episode ca. 750 BCE (courtesy of Sturt W. Manning) [124]
- 4.3 Pollen diagram summarizing data from Söğüt in southwest Anatolia and the estimated boundaries of the Beyşehir Occupation Phase (figure courtesy of Neil Roberts [2019: 55, fig. 3]; pollen diagram data from Van Zeist et al. 1975) [128]

- 4.4 Onset (a) and endings (b) for the Beyşehir Occupation Phase, showing number of sites per century (figure courtesy of Neil Roberts [2019: 58, fig. 7]) [129]
- 4.5 Outlines of surveys mentioned in southern Cyprus [137]
- 4.6 Cemetery groupings around the site of Palaipaphos (village of Kouklia), showing Late Bronze Age tomb areas (black stars) and the shift to extramural Iron Age burials (black circles). 75 m DEM (adapted from Janes 2013: 152, fig. 5; Iacovou 2019: 218, 226, figs. 13, 24) [146]
- 5.1 Amphoriskos, Amathus, ca. 520 BCE (British Museum C855) [155]
- 5.2 Amathus positioned between Limassol and the Late Bronze Age urban sites of Kalavassos *Ayios Dhimitrios* and the Maroni complex. 75 m DEM [160]
- 5.3 Survey findings in the Vasilikos and Maroni valleys for the Late Bronze Age, later Geometric, and Archaic periods. 75 m DEM [162]
- 5.4 Iron Age sites in the Vasilikos and Maroni valleys categorized by estimated area in hectares (Appendix) [163]
- 5.5 Survey findings of the Geometric and Archaic periods from the region of Amathus and the Vasilikos and Maroni valleys, categorized according to temporal phasing and continuity from earlier occupations. 75 m DEM [164]
- 5.6 Survey findings showing tombs or cemeteries (red stars). 75 m DEM [172]
- 5.7 Distribution of metal weapons in Iron Age tombs, Amathus (adapted from Janes 2013: 158, fig. 9) [176]
- 5.8 Distribution of mentioned sanctuaries or shrines as well as figurine survey finds (yellow triangles), showing Archaic settlements and tombs (red stars). 75 m DEM [178]
- 5.9 (a) Map of Vasilikos Valley showing location of ancient mines and Kalavassos *Skouries* and (b) Photograph of small stone-built structure at Kalavassos *Skouries*. 75 m DEM [180]
- 5.10 Dancers in ring composition, Kalavassos *Skouries* (courtesy of Vasiliki Kassianidou) [181]
- 5.11 Maroni *Vournes*, Ashlar Building, with Archaic sanctuary walls and remodeling shown in orange and inset of drone photo of remains (adapted from Ulbrich 2013: 33, fig. 1) [182]
- 5.12 Rivers and known ancient anchorages along the south-central coast. 75 m DEM (adapted from Andreou 2018: 3, fig. 2) [187]
- 5.13 Three Archaic shipwrecks off the coast of Turkey (adapted from Greene et al. 2013: 23) [191]

- 5.14 Examples of Cypro-Archaic ceramic fragments found in survey in the Vasilikos Valley, showing range of *pithoi* and plain wares, basket-handled amphorae, and painted table wares [192]
- 5.15 Commercial Levantine amphora with incised markings, *Asgata Kambos* (drawing courtesy of Anna Georgiadou) [194]
- 5.16 Map of the southern Troodos massif and foothills showing Roman road network in black and survey area in green box, with possible local routes in yellow dotted lines. 75 m DEM [197]
- 6.1 The Kalavastos Formation (yellow) shown over geological zones, with photographs of local gypsum outcrops [209]
- 6.2 Geological map of Kalavastos *Vounaritashi* showing interface of gypsum and limestone formations (Lefkara and Pachna) with the site of Kalavastos *Mitsingites*, and inset showing location on the Vasilikos River. 5 m contours [210]
- 6.3 View of the site of Kalavastos *Vounaritashi* (looking north) [211]
- 6.4 Topographic map showing outlines of estimated site areas at Kalavastos *Vounaritashi* and ascribed periods, identified by the Vasilikos Valley Project (adapted from Todd 2004: 58–60) [212]
- 6.5 Satellite image of Kalavastos *Vounaritashi* showing survey grid and relic cross-channel wall system in red with inset photograph of one wall [212]
- 6.6 Excavation of Building I at Kalavastos *Vounaritashi*, showing probable continuation of walls [214]
- 6.7 *Mortaria* fragments found in survey, Kalavastos *Vounaritashi* (drawing courtesy of Anna Georgiadou) [216]
- 6.8 Photograph of Building I with plaster adhering to southwest-facing wall [217]
- 6.9 Situation of Kalavastos *Vounaritashi* around other Archaic settlements west of the Vasilikos River. 5 m contours [220]
- 6.10 Presumed copper mines (black circles) and metallurgical sites (black stars) associated with the control of Amathus, with upper and lower pillow lavas and basal groups shown in pink. 75 m DEM (after Kassianidou 2013: 66, fig. 10) [222]
- 6.11 Interface (yellow line) between igneous geology and copper-bearing pillow lavas (left foreground) and sedimentary chalks (looking southeast across Kalavastos *Petra*) [223]
- 6.12 Situation of Kalavastos *Skouries* and copper mining area with geological zones and contemporary Archaic settlements and tombs (red stars) [226]

- 6.13 Maroni Valley Archaeological Survey Project survey findings and hotspot analysis for the Iron Age, with names of recorded sites and square showing 2017 survey grid. 5 m contours (data courtesy of Georgia Andreou and MVASP) [233]
- 6.14 Photograph of excavations at Maroni *Aspres*, Trench 4, showing Walls S1 (left foreground) and S3 (perpendicular wall in center) associated with Iron Age reuse of an earlier Late Cypriot structure (seen in Wall S4) (courtesy of Sturt W. Manning and MVASP) [234]
- 6.15 Plan of Trench 4 at Maroni *Aspres* with remains of large Iron Age structure in blue (Walls S1, 2, 3, 7, 9) and multiple phases of earlier Late Cypriot structure underneath in yellow (S4, 5, 8) (courtesy of Sturt W. Manning, Sarah Monks and MVASP) [235]
- 6.16 Geological map showing estimated area of Tochni *Petrelis* North and *Petrelis* at interface of alluvium and marine terrace deposits. 5 m contours (adapted from Todd 2004: 139–141) [237]
- 6.17 Situation of Tochni *Petrelis* among other mentioned Archaic assemblages. 5 m contours [240]

Tables

- 1.1 Current periodization of the late second and first millennia
BCE on Cyprus [page 38]
- 4.1 List of analyzed survey projects and their representative
publications [136]
- 5.1 Estimated population and household numbers for survey sites
in the Vasilikos Valley, listed in relation to possible site size [168]
- 6.1 Published radiocarbon dates from charcoal in slag heaps in the
Kalavassos area (from Kassianidou 2013: 75, Appendix I) [222]