Economic Geography of the Ancient Greek Countryside: A re-examination of monumental rural sites on the island of Siphnos.

VOLUME II
APPENDICES AND PLATES

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ABBREVIATIONS

The following abbreviations (according to *Année Philologique*, and *Liddell & Scott* convention) have been used.

AA = *Archäologischer Anzeiger.*
AAA = *Athens Annals of Archaeology.*
ABSA = *Annual of the British School at Athens.*
AE = Αρχαιολογικὴ ἐφημερίς.
AD = Αρχαιολόγικον Δέλτιον.
AJA = *American Journal of Archaeology.*
AM = *Mitteilungen des Deutschen Archäeologischen Instituts Athenische Abteilung.*
APF = *Archiv für Papyrusforschung unf verwandte Gebiete.*
ASNP = *Annali della Scuola Normale Superiore di Pisa.*
BAR **I.S.** = *British Archaeological Reports* **International Series**.
BCH = *Bulletin de Correspondance Hellénique.*
CAH = *The Cambridge Ancient History.* Cambridge.
CAJ = *Cambridge Archaeological Journal.*
CJ = *Classical Journal.*
CQ **N.S.** = *Classical Quarterly* **New Series**.
CR = *Classical Review.*
CSCA = *California Studies in Classical Antiquity.*
CW = *Classical Weekly.*
DHA = *Dialogues d'histoire ancienne.*
EMC = *Échos du monde classique* = *Classical Views*
GBA = *Gazette des beaux arts.*
IJNA = *International Journal of Nautical Archaeology*
JFA = *Journal of Field Archaeology.*
JMA = *Journal of Mediterranean Archaeology.*
JHS = *Journal of Hellenic Studies.*
JMA = *Journal of Mediterranean Archaeology.*
JRS = *Journal of Roman Studies.*
MASCAJ = *Museum Applied Center for Archaeology Journal (University Museum of Archaeology and Anthropology, University of Pennsylvania)*
MB = *Musée Belge.*
MHR = *Mediterranean Historical Review.*
MJbK = *Müncher Jahrbuch der bildenden Kunst.*
OJA = *Oxford Journal of Archaeology.*
PAA = Πρακτικὰ τῆς ' Ακαδημίας ' Αθηνῶν.
PAE = ΠΡΑΚΤΙΚΑ ΤΗΣ ΕΝ ΑΘΗΝΑΙΣ ΑΡΧΑΙΟΛΟΓΙΚΗΣ ΕΤΑΙΡΕΙΑΣ.
PBSR = *Papers of the British School at Rome.*
PCPhS = *Proceedings of the Cambridge Philological Society.*
RA = *Revue archéologique.*
RE = *Paulys Real-Encyclopädie der Classischen Altertumswissenschaft.*
REA = *Revue des études anciennes.*
REG = *Revue des études grecques.*
RhM = *Rheinisches Museum.*
SPAW = *Sitzungsberichte der Preussischen Akademie der Wissenschaften.*
TAPhA = *Transactions and Proceedings of the American Philological Association.*
VAHD = *Vjesnik za archeoliju i historiju dalmatinsku.*
ZPE = *Zeitschrift für Paypyrologie und Epigraphik.*

PLATES ACCOMPANYING PART I

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***1.2** Tower **1** location from south. Ayios Yeoryios church to left.*

***1.3** Tower **1** marble masonry.*

***2.1** Tower site **2** from south. Ayios Yeoryios church and **1** in background to north.*

***3.1** Tower **3** masonry (foundations).*

***3.2** Tower site **3** and associated buildings (right).*

***4.1** Tower site **4** with modern farm building. Door jamb visible in south (other jamb displaced to east).*

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***19.1** Rubble filled jamb entrance of tower **19** looking south.*

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***24.2** Foundations of structures situated below tower **24**.*

***25.1** Tower **25** masonry from south.*

***25.2** Plaftorm wall and adjoining building below tower **25**.*

***25.3** Coarseware ceramics at tower site **25**.*

***26.1** Location of tower **26** (right middle-ground).*

***27.1** Upper courses of tower **27**.*

***27.2** 'Arch' entrance of tower **27** with grooved springers in place. Internal and external earth fill (centre foreground, background).*

***28.1** Ashlar pseudo-isodomic masonry on south-west side of tower **28**.*

***29.1** Tower **29** trapezoid schist masonry and rubble (north side).*

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***30.2** Arrangement of internal architecture at tower **30**. 'Fan-slabs' projecting from central column. Staircase in bottom right foreground. Dividing wall to left.*

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***31.2** Marble platform at entrance to gallery located approximately 50m west of tower **31**.*

***32.1** Tower **32** masonry (foreground) and re-worked blocks in windmill circumference (background).*

***32.2** View east from tower **32** (Kastro in background).*

***33.1** Tower **33** looking west to Vlikhadha bay below. Traces of walls to left.*

***33.2** Trapezoidal isodomic and irregularly coursed marble on western face of tower **33**.*

***34.1** Tower **34** masonry.*

***35.1** Tower **35** inner wall (schist masonry).*

***36.1** Ashlar isodomic masonry of inner wall lining and corbelled cantilever staircase on north side of tower **36**.*

***36.2** Tower **36** masonry circumference on north-east side, incorporated into field wall.*

***36.3** Tower **36** jamb entrance from south.*

***36.4** Fragments of pithoi at tower site **36**.*

***37.1** Tower **37** masonry and adjoining wall to north.*

***37.2** Adjacent walls and buildings from tower (left). Abandoned village of Mavro Khorio (right).*

***38.1** Tower **38** schist masonry on north west side.*

***39.1** Tower **39** location (road construction debris to right).*

***39.2** Trapezoid schist masonry on north side of tower **39** (gap in masonry to right).*

***41.1** Tower **41** masonry on north east side.*

***41.2** Location of tower **41** looking south east.*

***42.1** Viewshed from tower **42** south-west to Vathi bay. Large masonry block to right.*

***42.2** Tower **42** masonry and rubble fill from north-west. Rock outcrop to left, large masonry block to right.*

***43.1** Remains of tower **43** incorporated into modern shoreline building (centre right). Submerged remains to left (out of picture).*

***44.1** Tower **44** from south-east with jamb entrance to left and adjoining walls. Note ashlar and trapezoidal blocks used in bottom courses of adjoining walls.*

***44.2** Tower **44** masonry and rubble looking south-west.*

***45.1** Tower **45** limestone masonry on north-west external face.*

***46.1** Location of tower **46** with adjoining (modern) farm building, looking south towards Plati Yialos.*

***47.1** Ashlar isodomic and pseudo-isodomic masonry of tower **47** from south-east. Bevelled horizontal edges with parallel tool marks visible on blocks in upper right.*

***47.2** Field walls adjacent to the west of tower **47**. Masonry (lintel ?) re-used in walls.*

***48.1** External masonry of Tower **48** from north.*

***48.2** Dividing walls and central internal room of tower **48**. Marble bolt holes adjacent to entrance (centre background).*

***48.3** Press stones (centre foreground) and stone cistern cover in central room of tower **48**.*

***48.4** Marble bolt hole and corbel staircase in tower **48**.*

***49.1** Ashlar isodomic masonry on south-east side of tower **49**.*

***50.1** Location of tower **50**.*

***51.1** Tower **51** looking north-west to Vathi bay. Re-use of masonry with mortar - original blocks visible in bottom left.*

***52.1** Tower **52** external masonry, adjacent curved walls.*

***52.2** Tower **52** adjoining wall foundations.*

***52.3** Adjoining curved wall bonding with tower **52** masonry.*

***53.1** Tower **53** masonry and rubble fill from east.*

***53.2** Tower **53** site from north. Extensive rubble foundations. Building foundations and lintel to bottom right.*

***53.3** Tower **53** site from east overlooking Kakos Potamos river valley. Extensive rubble foundations.*

***54.1** Masonry and rubble fill on north-east side of tower **54**.*

***54.2** Tower site **54** from south (adjacent walls to right).*

***54.3** Rock-lined well at tower site **54**.*

***55.1** Rubble masonry on west side of tower **55**.*

***55.2** Rubble foundations of buildings adjacent to tower **55**, overlooking coast to the south.*

APPENDIX 1: ARCHITECTURE AND TOPOGRAPHY OF SIPHNIAN TOWERS

APPENDIX 1.1: CONCORDANCE OF SIPHNOS TOWER SITES

ASHTON 1991 TOWER NAME	ASHTON 1991 NO.	YOUNG 1956 NO.	YOUNG 1956 TOWER NAME
στο Αγιο Γεώργιο Χερρονήσου	**1**	**1**	Ag. Georyios
στη Ρούμελη του Ζαμαρία	**2**		
στη Ρούμελη του Ατσόνιου	**3**		
στο Καμπαναριό Χερρονήσου	**4**	**4**	Ambourodhechtis
στον Αμβουρδέχτη	**5**	**3**	Ag. Philippos B
στον Αγιο Φίλιππο	**6**	**2**	Ag. Philippos A
στου Καψάλου	**7**	**9**	Kapsalos
στη Φεγγάρα	**8**	7	Phengara
στης Παρασκευής το Πετάλι	**9**	6	Tis Paraskevis to Petali
στο Σελλάδι	**10**	**10**	Selladhi
στου Καστανά	**11**	**11**	Kastana
στου Κοκκαλά	12	**13**	Kokkala
στου Μούστου	**13**	**12**	Moustou
στον Αγιο Ιωάννη τα Μάγκανα	**14**		
στη Τσιγκούρα	**15**		
στου Λιβαδά	16	17	Livadhas
στη Μαύρη σπηλιά	**17**	15	Mavri Spilia
στου Λαουτέρη	**18**	14	Laouteris
στου Κατέργου	**19**	**18**	Katergou
Καμπαναριό	**20**	**16**	Kambanario
στο Φαράγγι	**21**	**19**	
στα Πατητήρια	**22**	**20**	Panagia of Toso Nero
στου Βλάση	**23**		
στ' Ανέριο	**24**		
στο Φλάμπουρο	**25**	**21**	Phlambouro
στου Ορνού	**26**	**22**	Ornas
στον Αγιο Δημήτριο 'Αρχαβου	**27**	**26**	Ag. Demetrios
στου Κολοπάνη	**28**		
στου Μαραθίτη	**29**	8	Ag. Nikitas
στου Ποντικού το Φρούδι	**30**	**23**	Tou Pontikou to Phroudi
στα Μούτελα	**31**		
στη Βρύση	**32**	27	Vrysi
στη Ρίμνη	**33**	**24**	Panagia tou Niyiou
στην Παναγιά του Ηλιου	**34**		
στη Βληχάδα	**35**		
στη Γούρνα	**36**		
στου Καλαμιτσιού το Φρούδι	**37**		
στο Ραχαμό του Φάρου	**38**	**30**	Rachamos tou Pharou
στου Καδέ	**39**	**28**	Kadhes
στα Λευκίδια	40	29	Lefkidhia
στην Παναγιά τ' Ανεμορδίλλι	**41**		
στον Αγιο Νικόλαο τ'Αερινά	**42**		
στο Φάρο	**43**	31	Pharos
στ' Αργυρού το Πετάλι	**44**	25	T'Argyrou to Petali
στις Αμμουδάρες	**45**	**33**	Amoudhares
στη Μερισίνη	**46**		
στον Αγιο Ιωάννη του Φάρου	**47**	**32**	Ag. Ioannis tou Pharou
ο Ασπρος Πύργος	**48**	**34**	Aspros Pyrgos
στον Αγιο Ιωάννη τα Πλακιά	**49**	**35**	Ag. Ioannis sta Plakia
στου Τσιώνη	**50**	36 ?	Philippaki ?
στη Σπηλιά Μεγαλογιάννη	**51**		
στου Καλαμάρη	**52**		
στα Ελληνικά	**53**	**37**	Ellinika
στη Φυκιάδα	**54**		
στα Κούντουρα	**55**	**38**	Koundoura
Bold = indicates autopsy by named author			

APPENDIX 1.2: SIPHNOS TOWERS - ARCHITECTURAL DATA

Personal autopsy of all 55 recorded tower locations was undertaken, and inspection of 49 extant tower structures was made (measurements were checked in the field). Towers **7** (reported in Young 1956b), **16** (Dragatsis 1915; 1920; not found by Young 1956b or Ashton 1991) and **40** (Dragatsis 1920) could not be identified on the ground. A circular plan was tentatively identified in the recorded locality of tower **12**. Towers **26** and **50** were located, but could not be reached on the ground.

ABBREVIATIONS

General
Y = diagnostic evidence present
- = diagnostic evidence not available (destroyed)
 = no diagnostic evidence from extant remains
~ = approximate (measurement)

Masonry
C = course
irr = irregular
key = keystone
L = limestone
M = marble
s = setback

Door holes/locking mechanism
B = bolt hole
H = hinge

Doorway type
∏ = jamb-lintel entrance
∩ = 'arch' entrance

Inner wall lining
o = stones
□ = single lining of worked blocks
□□ = double block lining

Internal masonry features
bs = beam socket
c = cellar
w = well

Fallen masonry
int = internal fill
ex = rubble masonry outside tower circumference

Extant no. (partial) courses
u = uncoursed

ceramics
A; C = Archaic; Classical (5th)
LC; H = Late Classical (4th); Hellenistic
a = amphora
c = courseware
f = fineware
h = beehive
p = pithos
s = sherd
? = undatable material

stone vessels
b = basin
p = press

APPENDIX 1.2: SIPHNOS TOWERS ARCHITECTURAL ANALYSIS

Data calculated from Dragatsis (1915), (1920), (1924), Young (1956b), Ashton (1991) and field observations

	TOWER NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
MASONRY	marble	Y	Y	Y		Y			Y	Y	Y	Y			Y	Y	-	Y	Y	Y	Y (key)	Y
	limestone	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y		Y	-		Y	Y		Y
	schist	Y	Y		Y	Y	Y				Y						-				Y	
BLOCK SHAPES	polygonal			Y			Y		Y	Y								Y				
	trapezoidal						Y				Y			Y		Y		Y				Y
	ashlar				Y					Y	Y	Y		Y		Y		Y				Y
ARRANGEMENT	pseudo-isodomic	Y			Y					Y	Y			Y	Y	Y			Y			Y
OF COURSES	isodomic						Y					Y								Y	Y	
	other types of courses																					
BLOCK	quarry faced	Y	Y			Y					Y	Y		Y		Y		Y	Y			Y
SURFACES	smooth faced					Y					Y	Y				Y		Y	Y			Y
	broached																				Y	
	furrow worked		Y		Y																	
	bevelled margins														Y						Y	
	pointed																					
DOORWAY	Type	-	∏	-	∏	-	-	∏	-	∏	∏	∩	-		∩	∏	-	∏	∩	∏	∩	∏
	orientation	SSW	SW	-	SSE	SSE	-	SE	-	SSW	S	SW	-	SE	WNW	ENE	-	NW	SE	SSE	SW	S
	recorded entrance width m	-	0.9	-	0.9	-	-	1.1		1.3	0.9	1.0	-			0.9		1.3	1.1		1.5	1.0
	door holes/locking mechanism											B									H?	B
INTERNAL	inner wall lining	o	o	-	o	o	o	o	o	□	o	-	-	o	-	o	-	o	□	o	-	o
ORGANISATION	orientation of dividing walls	NE-SW	-	E-W	2 x N-S	-	-	-	E-W	NE-SW	N-S	-	-	-	-	-	-	NE-SW	SE-NW	N-S	-	N-S
	reported (extant) corbelled staircase	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	A	A	A
	features															bs	-					
VISIBILITY OF	quantity of circumference surviving	67%	100%	67%	67%	50%	67%	?	50%	100%	100%	100%	0 % ?	100%	10%	100%	0% ?	100%	100%	100%	50%	100%
REMAINS	butress										Y		-			Y	-					
	fallen masonry			ex					int/ex	ex	ex	int	-	int/ex		int		ex	ex	int/ex		int/ex
EXTERNAL	extant height of external courses m	1.3	1.2	0.7	0.8	0.4	1.8	1.2	1.5	1.9	1.5	2.5	-	1.5	1.5	3.3	-	1.2	1.7	1.7	3.9	1.5
TOWER	estimated external wall diameter m	9.3	7.8	9.9	8.8	8.3	9	5.9	6.4	7.6	6.8	9	7.5	7.7	9.8	9.2	7.2	8.8	7.2	6.7	9.5	7.6
DIMENSIONS	estimated external wall circumference m	29	25	31	28	26	28	19	20	24	21	28	24	24	31	29	23	28	23	21	30	24
	max estimated height m (2 x external wall diameter)	19	16	20	18	17	18	12	13	15	14	18	15	15	20	18	14	18	14	13	19	15
	maximum estimated internal diameter m	7.7	6.3	8.5	7.0	6.8	7.6	4.4	5.0	5.8	5.2	7.4	-	5.6	8.1	7.2	-	7.2	5.6	5.1	7.4	5.0
WALL	inner lining thickness m	0.2	0.2	-	0.3	0.1	0.1	0.2	0.3	0.4	0.2	-	-	0.3	-	0.4	-	0.3	0.3	0.3	-	0.3
THICKNESS	external masonry thickness m	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.4	0.5	0.6	0.8	-	0.8	0.8	0.6	-	0.5	0.5	0.5	1.0	0.5
	total wall thickness m	0.8	0.8	0.7	0.8	0.8	0.7	0.8	0.6	0.9	0.8	0.8	-	1.0	0.8	1.0	-	0.8	0.8	0.8	1.0	0.8
AREA	external base area m^2	68	48	77	61	54	64	27	32	45	36	64	44	47	75	66	41	61	41	35	71	45
	internal base area m^2	47	31	57	39	36	45	16	20	26	22	44	<40	25	51	41	<40	41	24	21	43	20
	masonry area m^2	21	17	20	22	18	18	12	13	19	15	20	-	22	24	26	-	20	16	15	28	25
MASONRY	estimated no. blocks per course	27	26	26	30	24	33	22	36	23	28	16	-	28	20	32	-	29	29	23	20	31
	extant no. (partial) courses	4	3	2	3	1	5	2	1	5	5	5	-	4	3	7	-	2	6	5	10	4
	projected no. courses for max height	57	39	61	70	42	50	20	9	40	45	36	-	42	39	40	-	31	51	39	49	41
	projected no. courses for nominal 6m tower	18	15	18	24	15	17	10	4	16	20	12	-	17	12	13	-	10	21	18	15	16
	projected no. external masonry blocks for max height	1,545	1,014	1,554	2,112	996	1,650	433	307	920	1,269	576	-	1,190	780	1,273	-	888	1,474	906	974	1,257
	projected no. external masonry blocks for nominal 6m h tower	498	390	471	720	360	550	220	144	363	560	192	-	463	240	415	-	303	614	406	308	496
	volume of masonry m^3 for projected max height	394	259	396	386	304	332	140	160	293	200	361	-	334	462	474	-	354	237	196	528	386
	volume of masonry m^3 for hypothetical 6m tower	127	99	120	132	110	111	71	75	116	88	120	-	130	142	155	-	121	99	88	167	152
ON-SITE FINDS	ceramics	s ?	Hc	s ?	LC a; f; p	a?	LC f	-	H a; p			C/H f	-	s ?		H f	-	f ?	A f; C f	H a; p	A f	s ?
	stone vessels											b										

APPENDIX 1.2: SIPHNOS TOWERS ARCHITECTURAL ANALYSIS

Data calculated from Dragatsis (1915), (1920), (1924), Young (1956b), Ashton (1991) and field observations

	TOWER NO.	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
MASONRY	marble		Y	Y	Y	Y		Y		Y	Y	Y	Y	Y		Y	Y	
	limestone	Y			Y	Y		Y	Y	Y	Y	Y	Y			Y	Y	
	schist					Y	Y		Y			Y			Y			Y
BLOCK SHAPES	polygonal																	
	trapezoidal		Y					Y	Y	Y	Y			Y	Y		Y	Y
	ashlar				Y		Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y
ARRANGEMENT	pseudo-isodomic							Y	Y	in	Y				Y	Y	Y	
OF COURSES	isodomic				Y								Y					Y
	other types of courses						split		split							split		split
BLOCK	quarry faced							Y		Y	Y		Y		Y	Y	Y	Y
SURFACES	smooth faced				Y		8th-16th C	Y		Y	Y		Y	Y		Y	Y	Y
	broached								Y									
	furrow worked						Y											
	bevelled margins					Y	1st-7th C		Y					Y	Y			
	pointed				Y													
DOORWAY	Type	∏	-	-	∏	-	∩	?	□□ ?	∏	∏	-	∏	-	-	∏	-	-
	orientation	SW	-	-	SW	SE	S	SE	NE	S	SW	-	SE	-	-	S	-	W ?
	recorded entrance width m	1.0		-	1 ?	1.3 ?	0.9		0.9	?	0.8	-	0.9	?	-	0.9	-	-
	door holes/locking mechanism						H									B		
INTERNAL	inner wall lining	o	□	o	□□	o	o	o	-	o	o	-	□	□	o	□	□□	□
ORGANISATION	orientation of dividing walls	-	N-S	-	NE-SW	N-S	N-S	NW-SE	NE-SW	N-S	NE-SW	-	SE-NW	NE-SW	-	N-S	SE-NW	NE-SW
	reported (extant) corbelled staircase	-	-	-	A	-	A	-	-	A	A	-	A	-	A	A	-	-
	features			w	c		gutter			"fan" slabs								
VISIBILITY OF	quantity of circumference surviving	67%	75%	50%	100%	100%	100%	95%	80%	100%	100%	30%	100%	90%	50%	100%	50%	90%
REMAINS	butress																	
	fallen masonry	int	ex	int	int		int/buried	int/ex	entrance	ex	int/ex	re-use	int/ex	int/ex	int/re-use	int/ex	ex	
EXTERNAL	extant height of external courses m	1.8	1.3	2.3	2.9	1.2	5.6	2.1	3.1	2.2	0.9	0.9	1.5	1.3	1.5	1.8	1.6	1.5
TOWER	estimated external wall diameter m	8.4	6.8	8.5	8.4	5.8	10.7	8.4	9.1	6.3	6.3	8.8	6.7	6.6	7.2	8.2	7.6	9.6
DIMENSIONS	estimated external wall circumference m	26	21	27	26	18	34	26	29	20	20	27	21	21	23	26	24	30
	max estimated height m (2 x external wall diameter)	17	14	17	17	12	21	17	18	13	13	18	13	13	14	16	15	19
	maximum estimated internal diameter m	6.6	5.0	7.1	6.8	3.8	7.8	6.8	7.5	4.6	4.9	7.6	5.0	5.1	5.2	6.3	5.8	7.6
WALL	inner lining thickness m	0.2	0.4	0.3	0.3	0.4	0.5	0.2	-	0.3	0.2	-	0.3	0.2	0.3	0.3	0.5	0.4
THICKNESS	external masonry thickness m	0.7	0.5	0.4	0.5	0.6	1.0	0.6	0.8	0.5	0.5	0.6	0.5	0.7	0.7	0.6	0.4	0.6
	total wall thickness m	0.9	0.8	0.7	0.8	1.0	1.5	0.8	0.8	0.8	0.7	0.6	0.8	0.9	0.9	0.9	0.9	1.0
AREA	external base area m^2	55	36	57	55	26	90	55	65	31	31	60	35	34	41	53	45	72
	internal base area m^2	34	19	39	37	11	48	36	44	16	19	45	20	21	21	31	26	45
	masonry area m^2	22	16	18	19	15	42	19	21	15	12	15	16	14	19	22	19	28
MASONRY	estimated no. blocks per course	19	22	40	28	19	25	27	18	34	35	21	28	28	20	32	40	35
	extant no. (partial) courses	3	3	u	7	3	16	7	10	6	3	2	8	5	4	7	5	5
	projected no. courses for max height	28	31	-	41	29	61	56	59	35	42	41	71	51	38	64	48	96
	projected no. courses for nominal 6m tower	10	14	-	14	15	17	20	19	17	20	14	32	23	16	23	19	20
	projected no. external masonry blocks for max height	532	685	-	1,143	554	1,529	1,512	1,057	1,196	1,470	849	2,001	1,422	768	2,041	1,900	3,360
	projected no. external masonry blocks for nominal 6m h tower	190	305	-	408	286	429	540	348	569	700	291	896	646	320	747	750	700
	volume of masonry m^3 for projected max height	364	221	298	315	174	893	321	380	186	157	257	209	179	278	363	293	529
	volume of masonry m^3 for hypothetical 6m tower	130	98	105	112	90	250	115	125	89	75	88	94	81	116	133	116	165
ON-SITE FINDS	ceramics		LC p; a	H f; a; p	LC/H a; f	a ?	s ?	H f	f ?	H f	p ?	LC f	p ?	p ?		A p	C f; a; p	LC f
	stone vessels	p	b						p									

APPENDIX 1.2: SIPHNOS TOWERS ARCHITECTURAL ANALYSIS

Data calculated from Dragatsis (1915), (1920), (1924), Young (1956b), Ashton (1991) and field observations

	TOWER NO.	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
MASONRY	marble	Y	-	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	limestone	Y	-	Y			Y	Y				Y	Y		Y	Y	Y	Y
	schist		-							Y							Y	
BLOCK SHAPES	polygonal																	
	trapezoidal	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y (L)	Y				
	ashlar	Y		Y		Y	Y			Y	Y	Y	Y (M)		Y	Y	Y	
ARRANGEMENT	pseudo-isodomic						Y		Y		Y			Y	Y	Y	Y	
OF COURSES	isodomic					Y		Y		Y		Y						
	other types of courses	split					split		split	3rd-C s								
BLOCK	quarry faced			Y	Y	Y	Y	Y	Y	Y		Y	Y (L)	Y		Y	Y	Y
SURFACES	smooth faced			Y	Y		Y	Y	Y				Y	Y	Y	Y	Y	Y
	broached	Y				Y					Y		Y (M)					
	furrow worked								Y	Y					Y			
	bevelled margins	Y				Y			Y	Y	Y	Y	Y					
	pointed																	
DOORWAY	Type	□□	-	-	-	-	∏	∏?	-	-	∩	-	-	-	-	∏	∏	-
	orientation	NW	-	-	-	-	SE	-	-	-	ESE	-	SSW	SW	NE ?	S	SE	-
	recorded entrance width m	0.9	-	-	-	-	1.1	-	-	-	1.3	-	-	1.0	-	1.3	1.1	-
	door holes/locking mechanism										Y							
INTERNAL	inner wall lining	□	-	-	o	-	□	-	o	□	□	-	-	□	□	□	□	-
ORGANISATION	orientation of dividing walls	SE-NW	-	-	-	-	NE-SW	-	-	-	2 x ESE-WNW	-	N-S	SE-NW	-	N-SSE	SSE-NNW	-
	reported (extant) corbelled staircase	A	-	-	-	-	A	-	-	-	C	-	-	-	A	A	-	-
	features		-															
VISIBILITY OF	quantity of circumference surviving	100%	-	25%	50%	20%	100%	75%	50%	80%	100%	50%	100%	75%	75%	100%	100%	40%
REMAINS	butress		-															
	fallen masonry		-		int		ex/re-use	int/ex	re-use	int/buried	ex	ex\re-use	int/ex	re-use	int/re-use	int/ex	int/ex	int/ex
EXTERNAL	extant height of external courses m	2.5	-	0.8	0.9	1.6	2.8	2.0	1.9	2.6	5.5	1.8	0.9	2.3	2.5	0.8	1.7	0.4
TOWER	estimated external wall diameter m	9	-	9	4	9	8.7	6.6	9.3	13.2	13	9.1	9.6	5.5	9.3	7.3	7.5	7.8
DIMENSIONS	estimated external wall circumference m	28	-	28	13	28	27	21	29	41	41	29	30	17	29	23	24	25
	max estimated height m (2 x external wall diameter)	18	-	18	8	18	17	13	19	26	26	18	19	11	19	15	15	16
	maximum estimated internal diameter m	7.1	-	7.6	2.5	7.1	7.1	5.4	7.0	10.8	10.0	7.4	8.4	3.8	7.3	5.6	5.8	6.6
WALL	inner lining thickness m	0.3	-	-	0.2	-	0.3	-	0.3	0.4	0.6	-	-	0.3	0.3	0.4	0.3	-
THICKNESS	external masonry thickness m	0.7	-	0.7	0.6	1.0	0.5	0.6	0.8	0.8	0.9	0.9	0.6	0.5	0.7	0.5	0.5	0.6
	total wall thickness m	1.0	-	0.7	0.8	1.0	0.8	0.6	1.2	1.2	1.5	0.9	0.6	0.8	1.0	0.9	0.8	0.6
AREA	external base area m^2	64	-	64	13	64	59	34	68	137	133	66	72	24	68	42	44	48
	internal base area m^2	40	-	46	5	39	39	23	38	92	79	43	55	11	42	25	27	34
	masonry area m^2	24	-	18	8	24	20	11	30	45	54	22	17	13	26	17	17	14
MASONRY	estimated no. blocks per course	18	-	51	14	19	33	28	22	32	63	14	28	25	28	33	37	32
	extant no. (partial) courses	5	-	2	3	4	8	4	3	5	12	3	2	6	8	4	6	2
	projected no. courses for max height	36	-	48	28	45	50	27	30	51	57	30	43	29	60	73	53	78
	projected no. courses for nominal 6m tower	12	-	16	21	15	17	12	10	12	13	10	13	16	19	30	21	30
	projected no. external masonry blocks for max height	648	-	2,460	385	852	1,641	768	653	1,625	3,564	438	1,215	707	1,684	2,384	1,952	2,490
	projected no. external masonry blocks for nominal 6m h tower	216	-	820	289	284	566	349	211	369	823	144	380	386	543	980	781	958
	volume of masonry m^3 for projected max height	424	-	324	60	436	352	148	554	1,194	1,409	408	333	140	478	251	262	211
	volume of masonry m^3 for hypothetical 6m tower	141	-	108	45	145	121	67	179	271	325	134	104	76	154	103	105	81
ON-SITE FINDS	ceramics	s ?	-				H f	C f; LC h		s ?	A f; p; C f; H f			f ?	C f	C f/H f	H f	C f
	stone vessels										p							

APPENDIX 1.3: SIPHNOS TOWER PLANS AFTER ASHTON 1991

KEY

missing

modern structure

natural rock

stonemason's marks

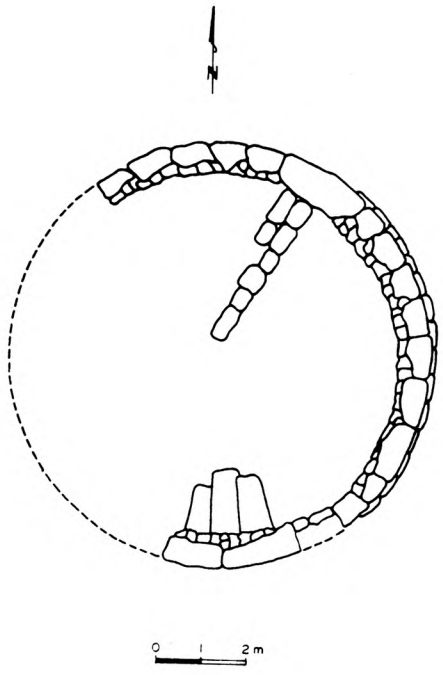
rubble

threshold slab

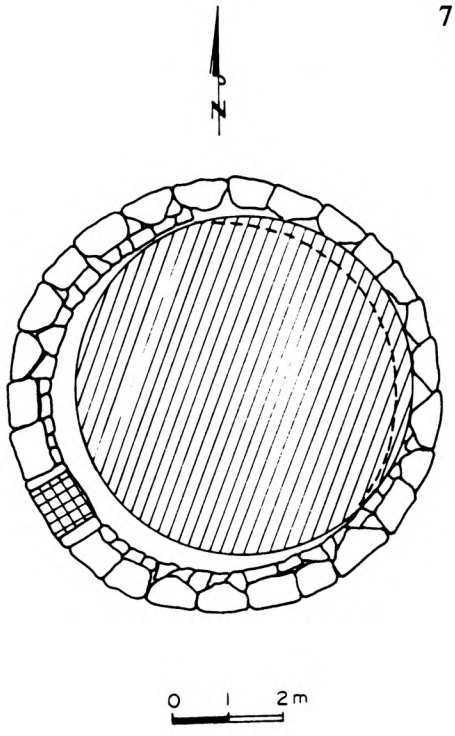
sloping wall

concealed masonry

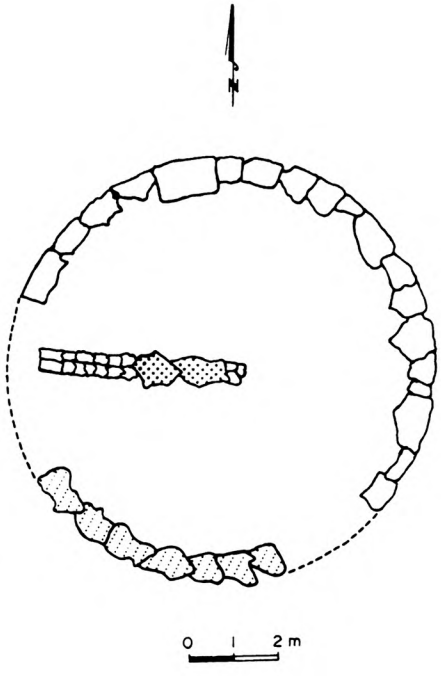
depression



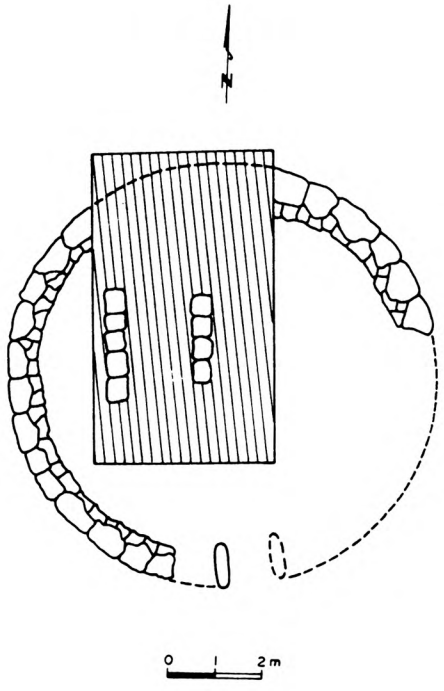
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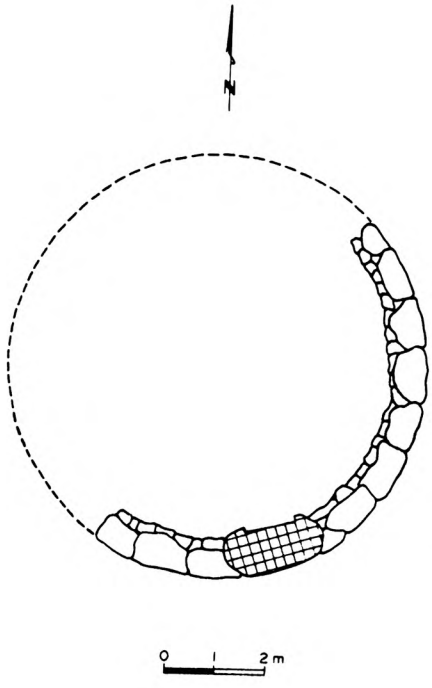
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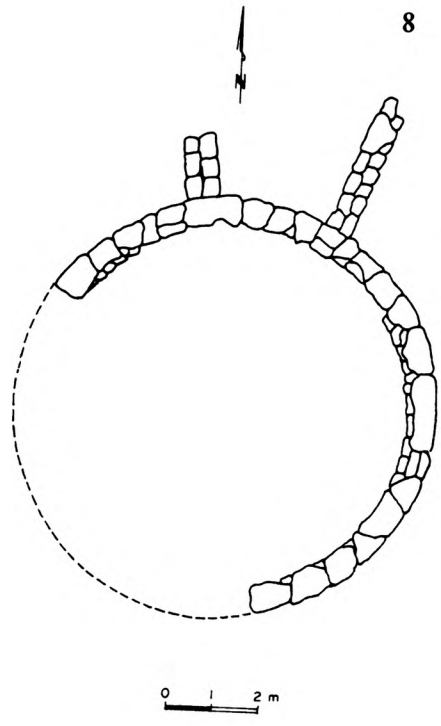
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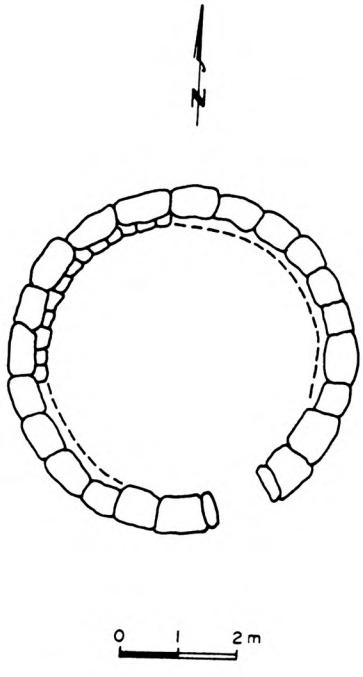
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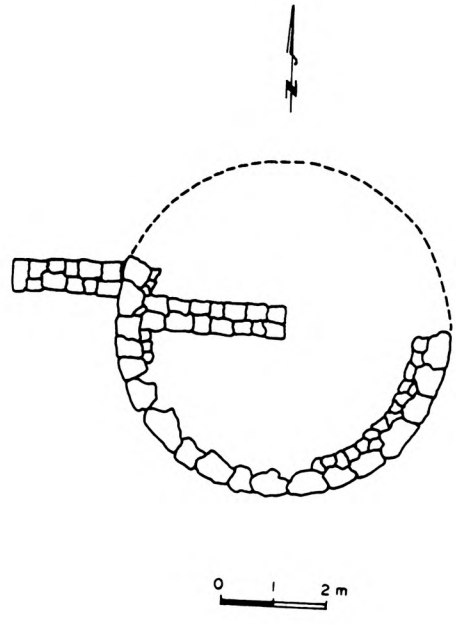
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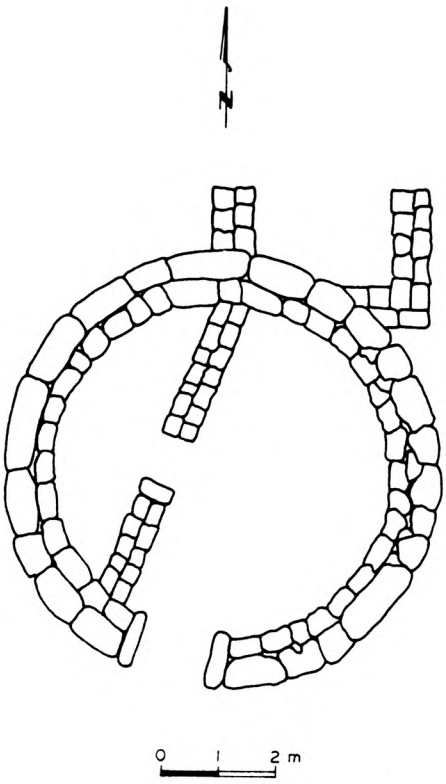
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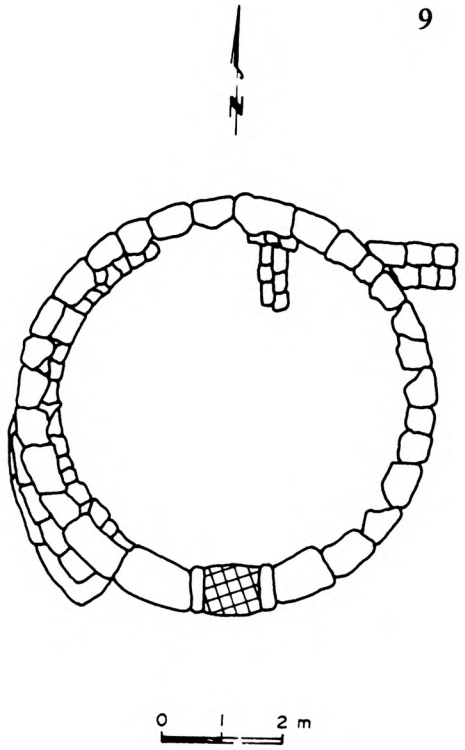
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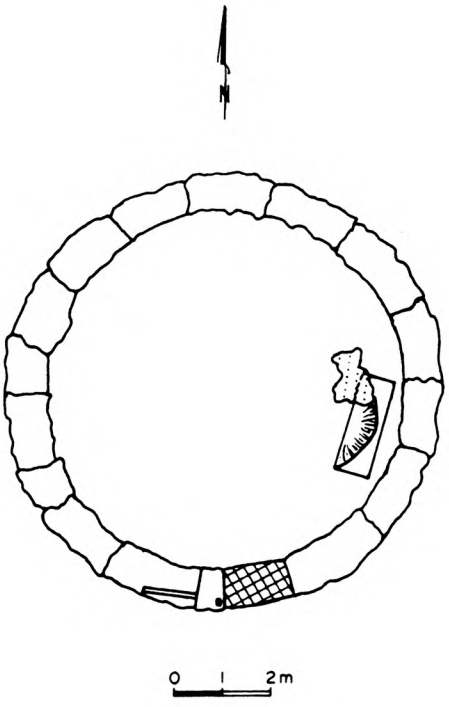
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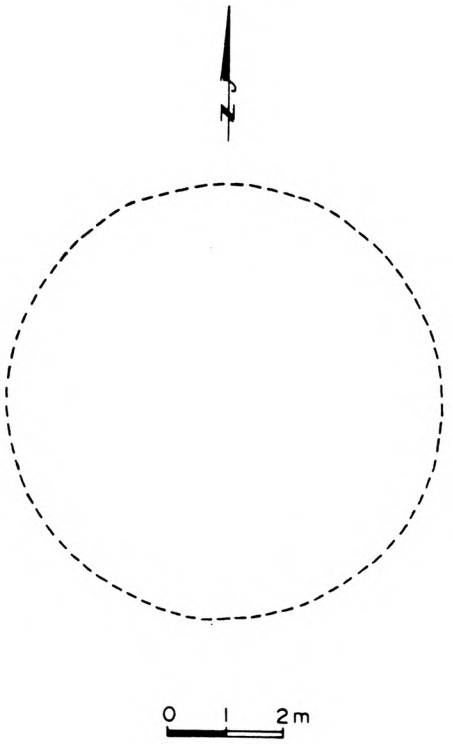
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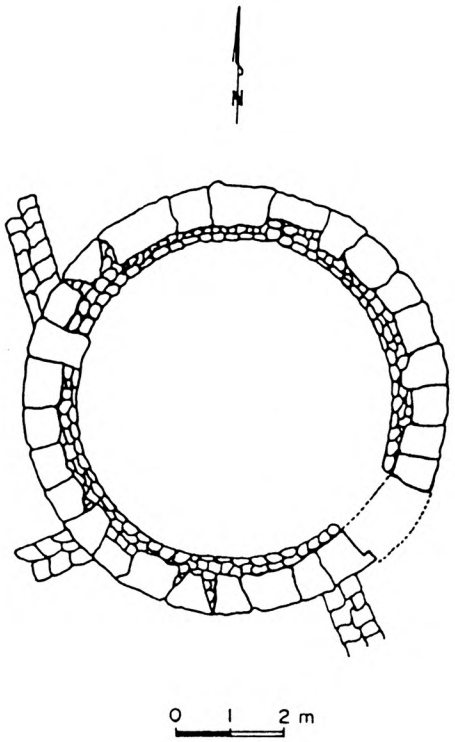
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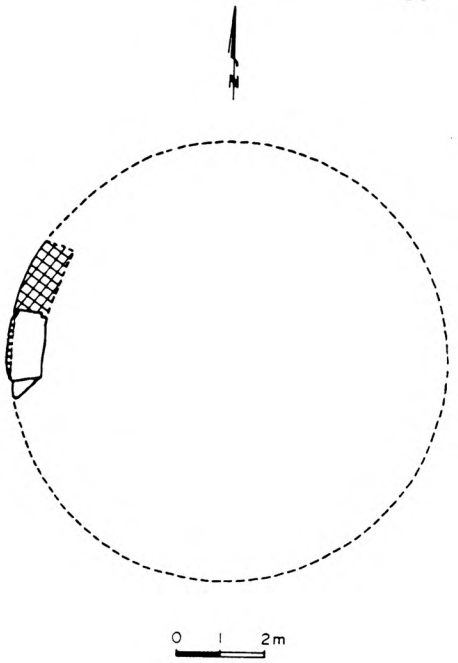
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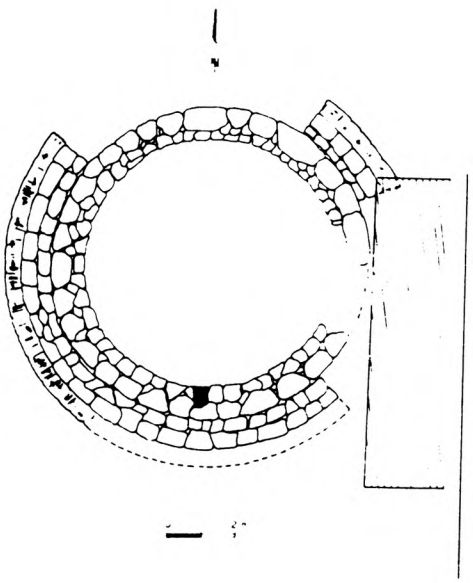
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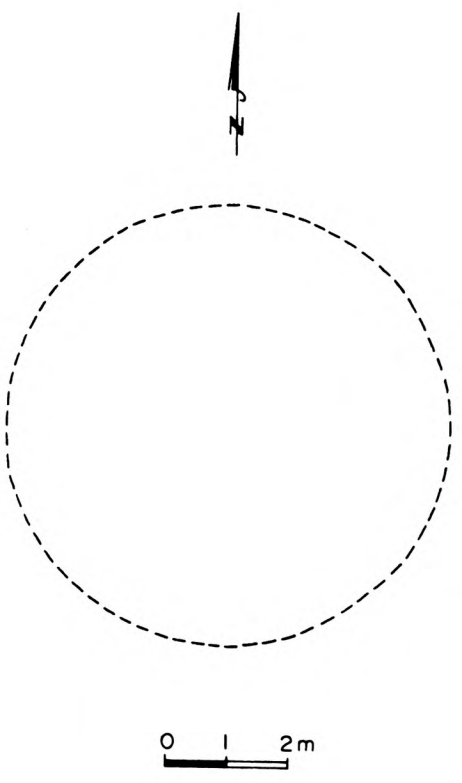
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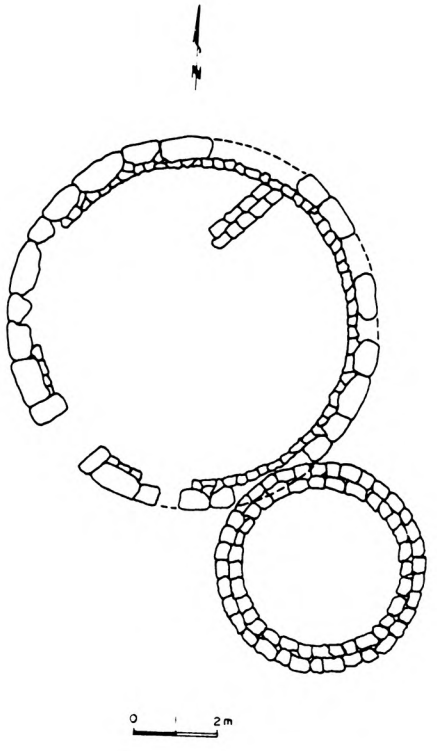
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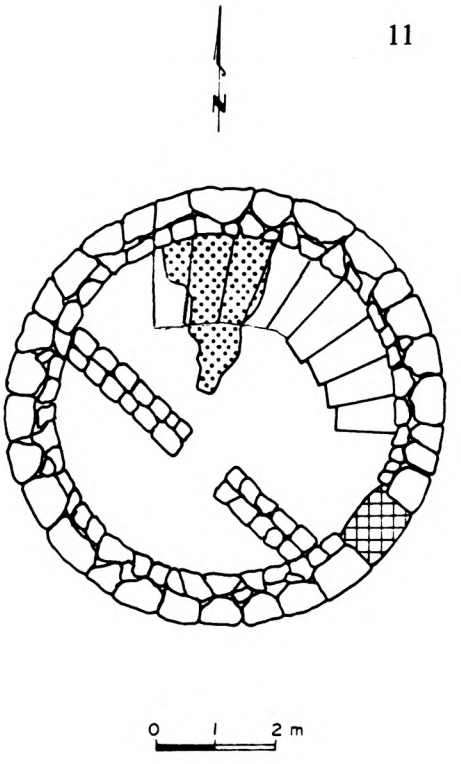
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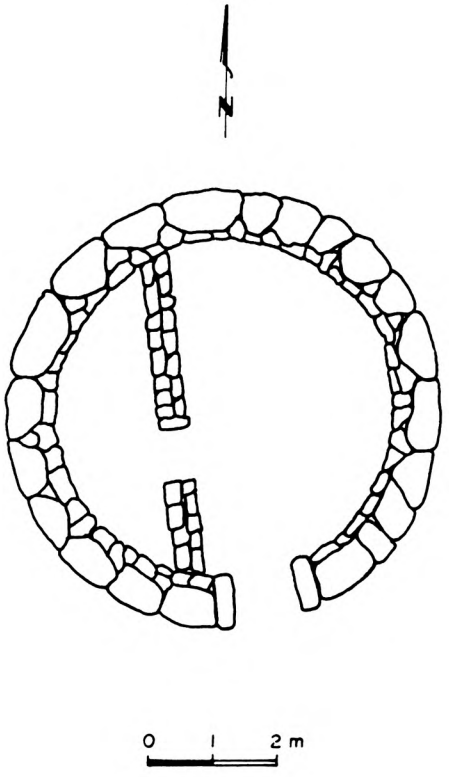
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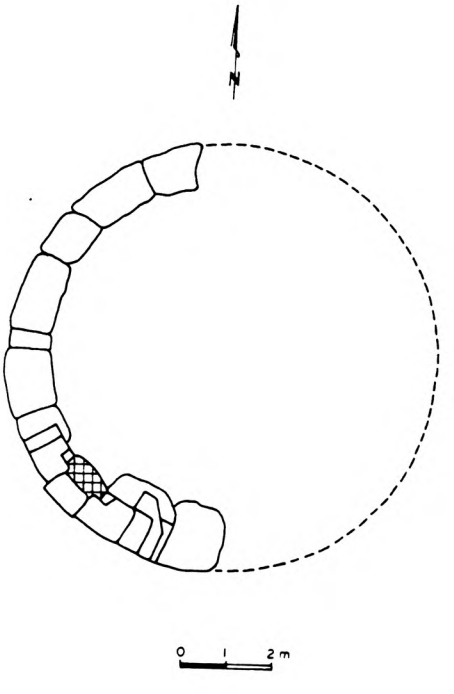
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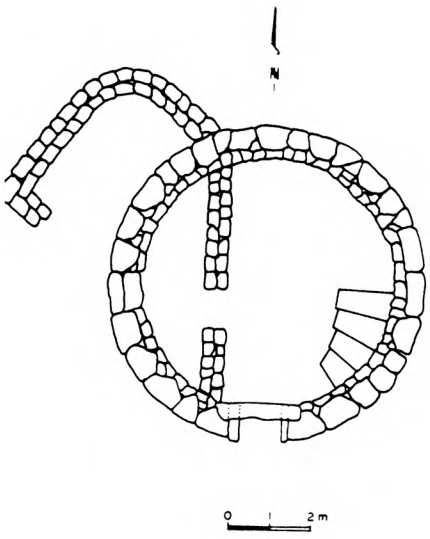
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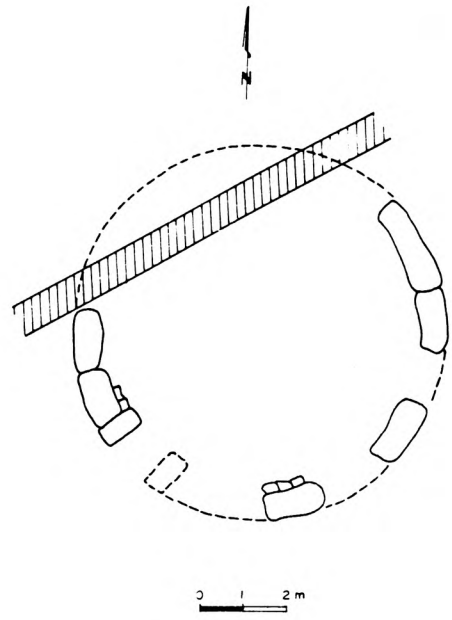
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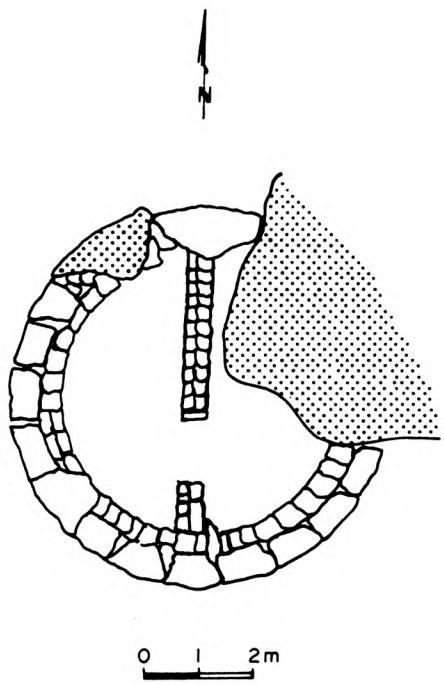
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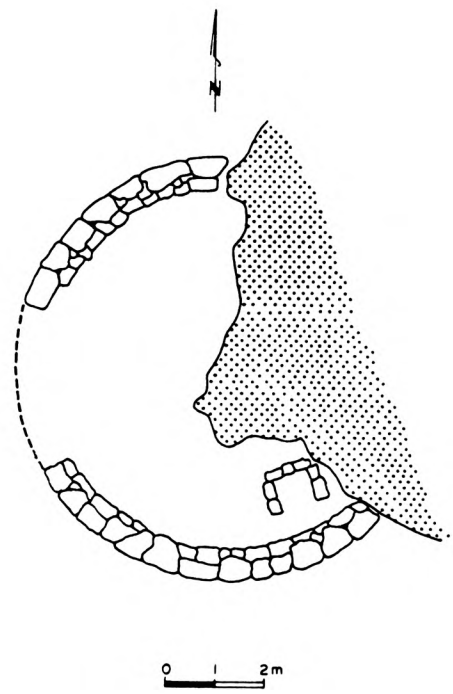
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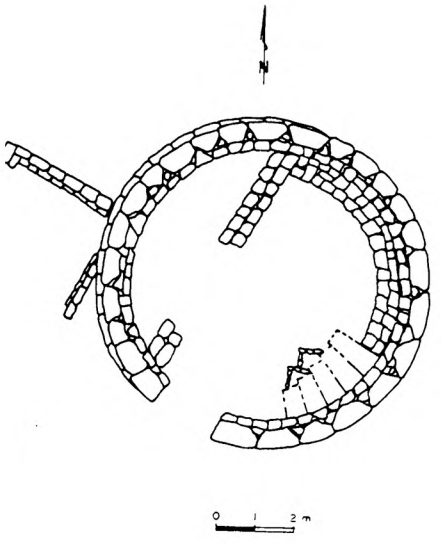
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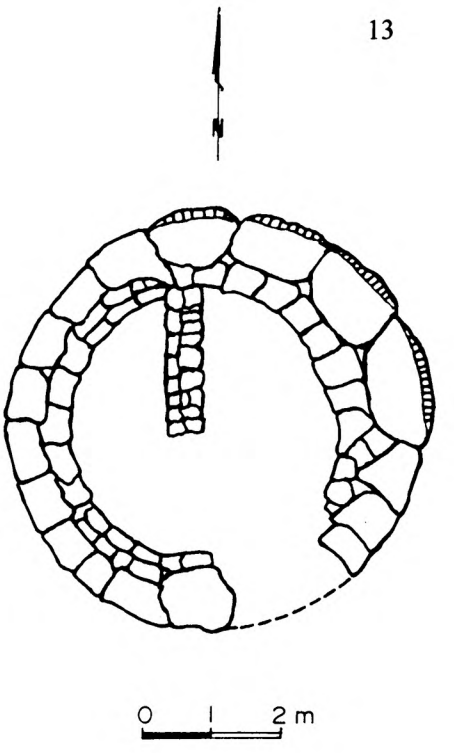
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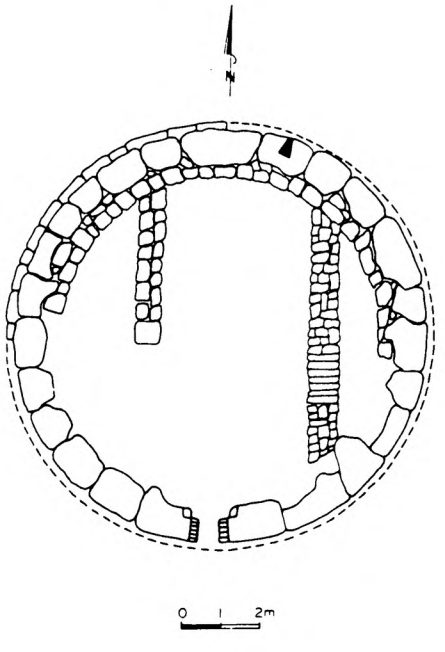
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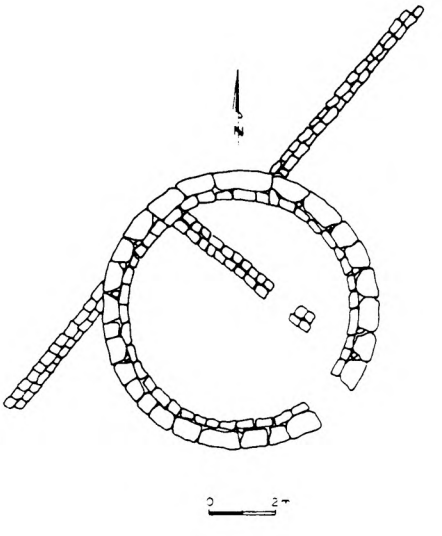
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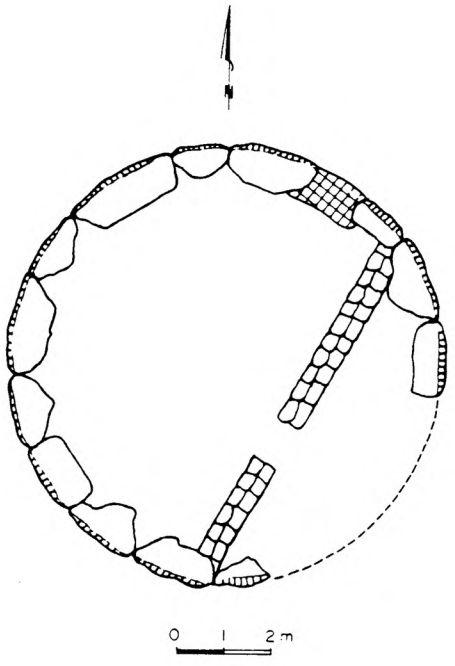
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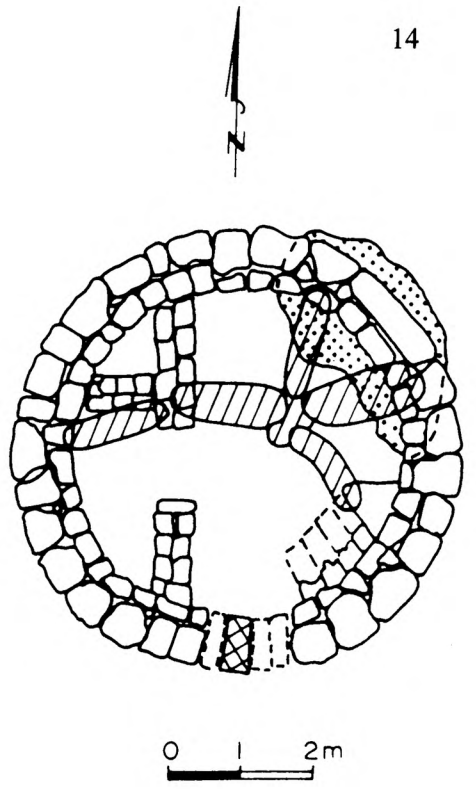
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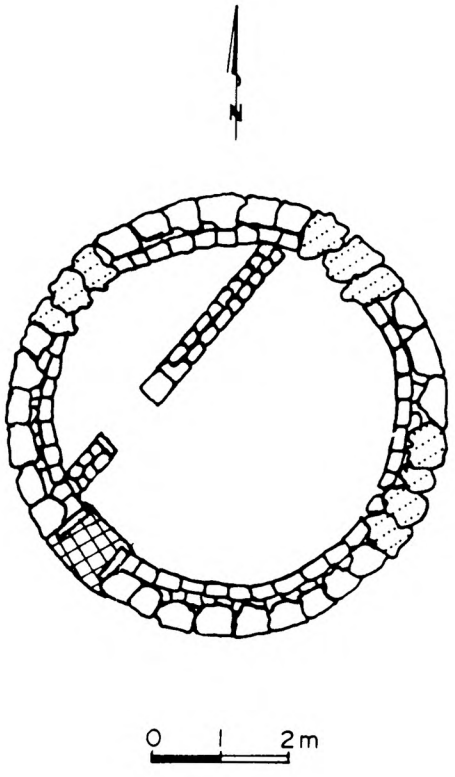
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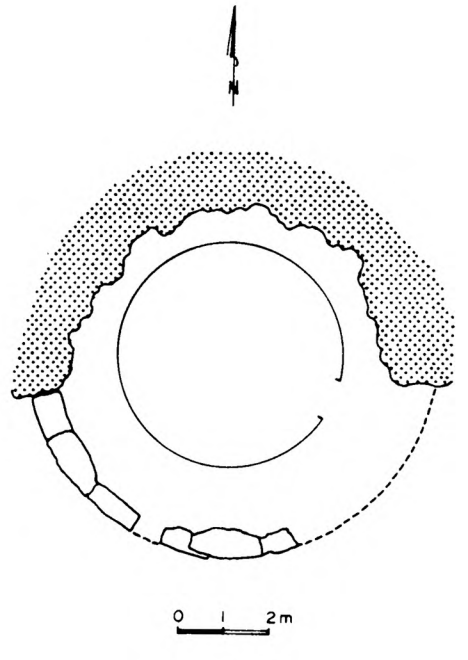
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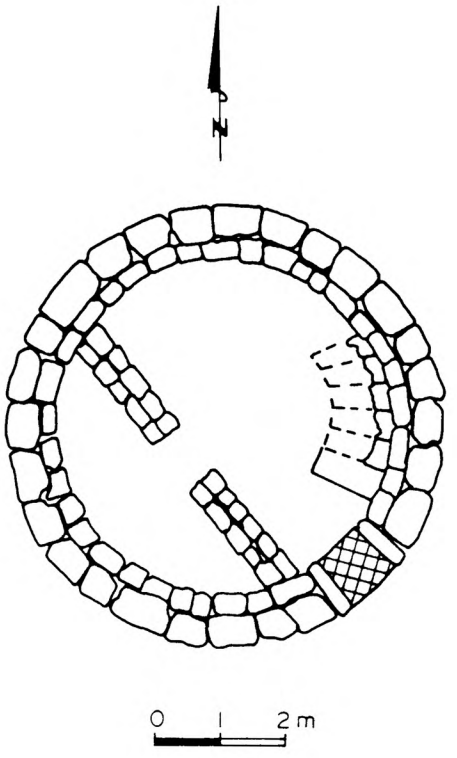
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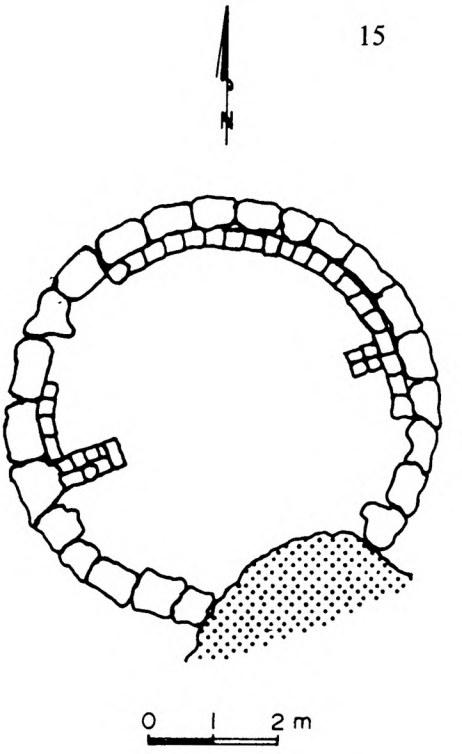
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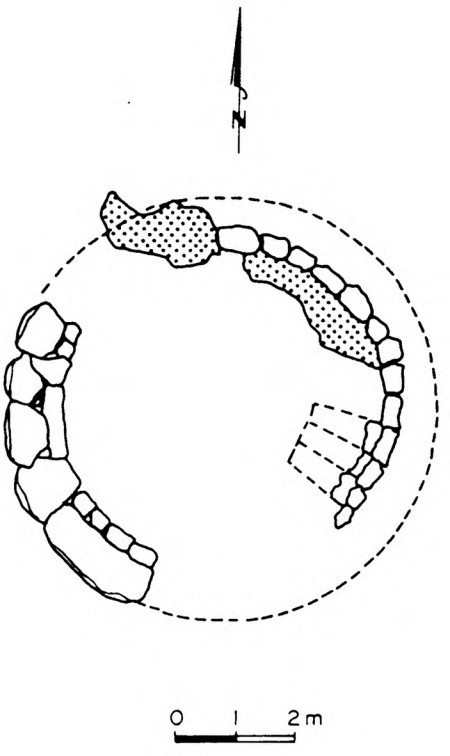
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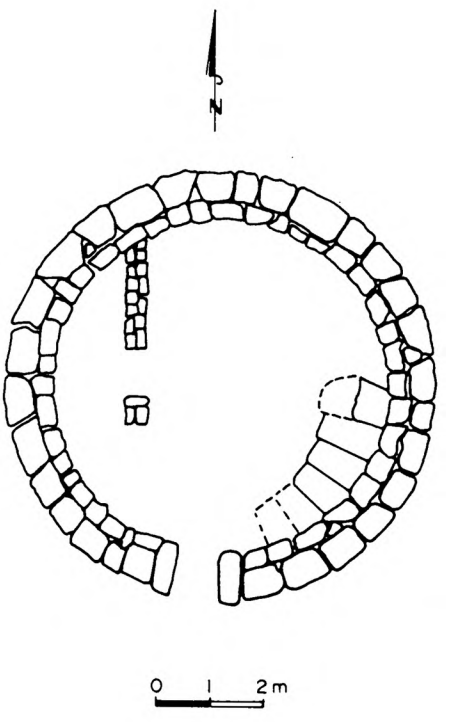
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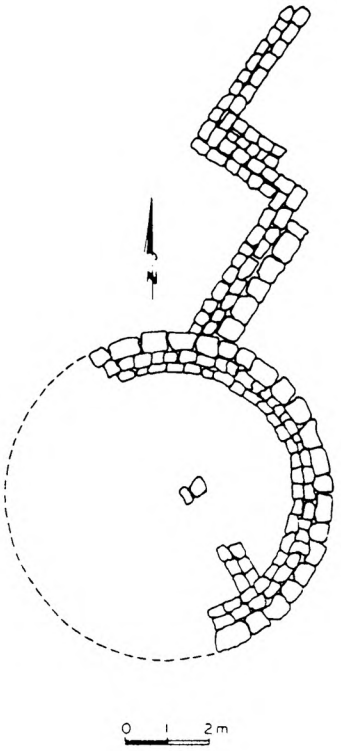
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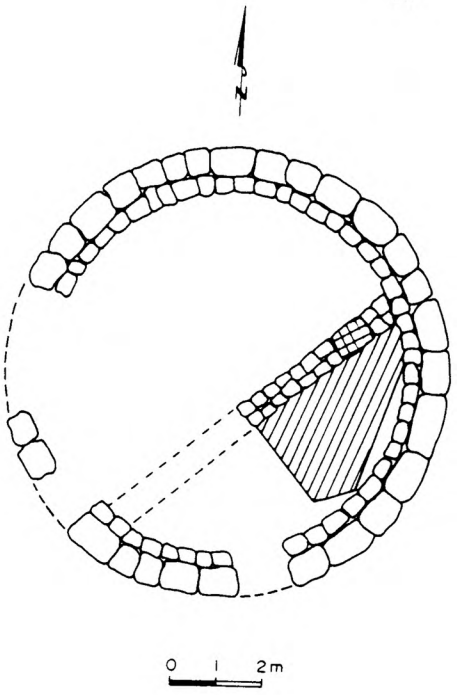
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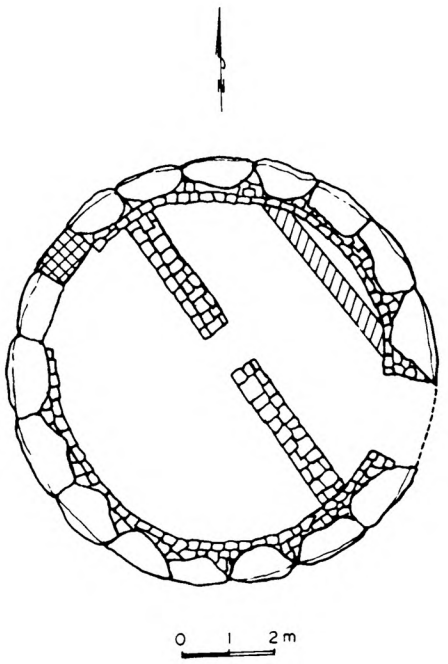
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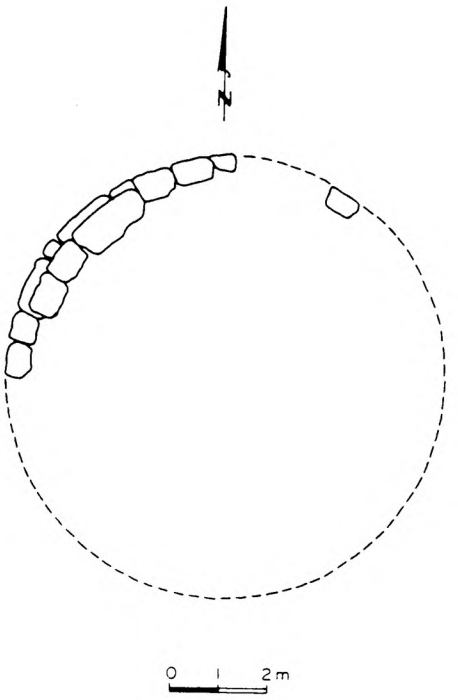


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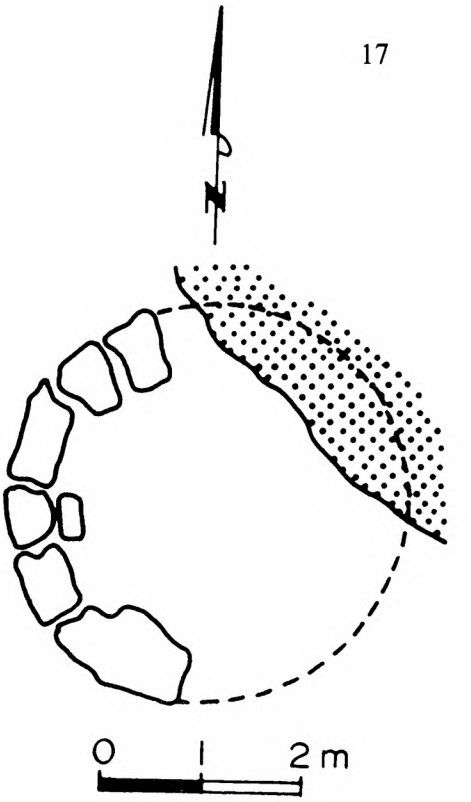


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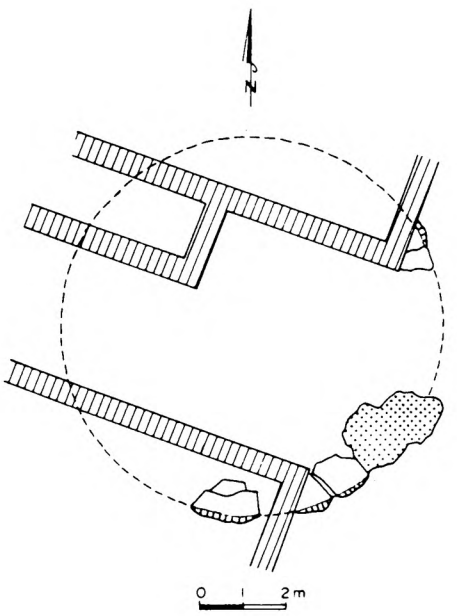
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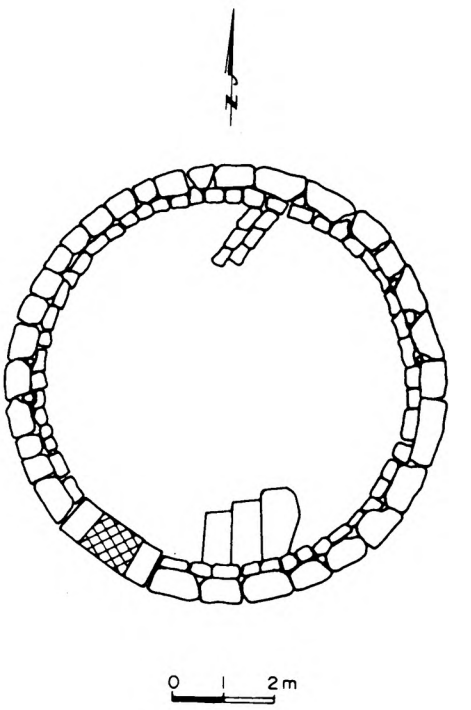
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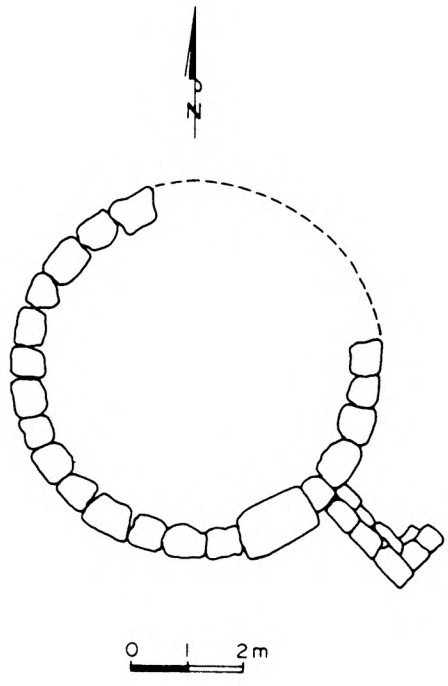
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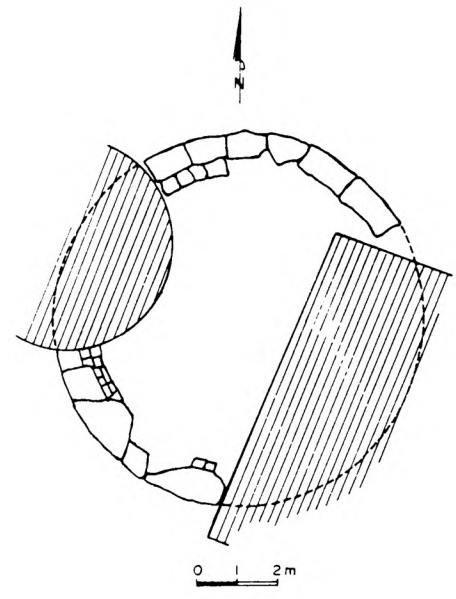
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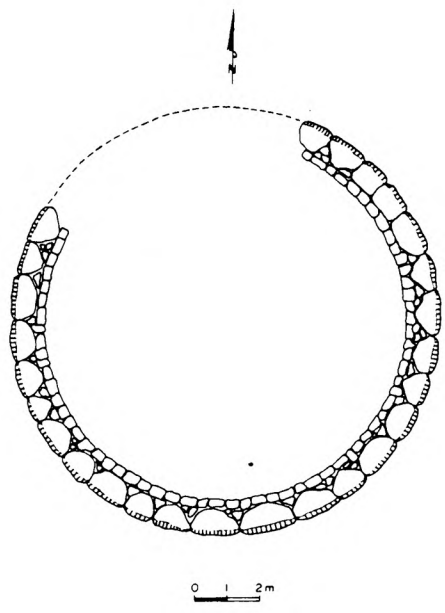
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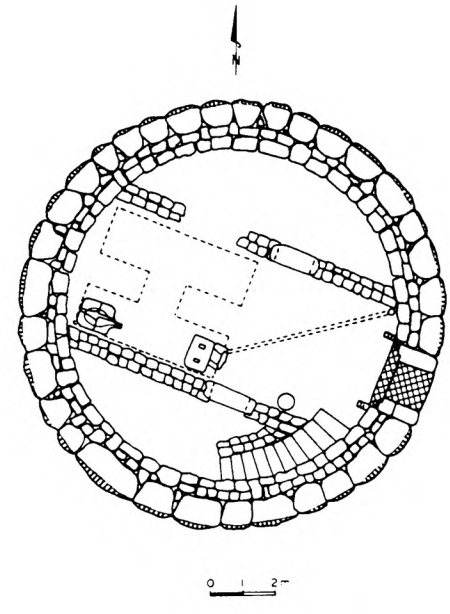
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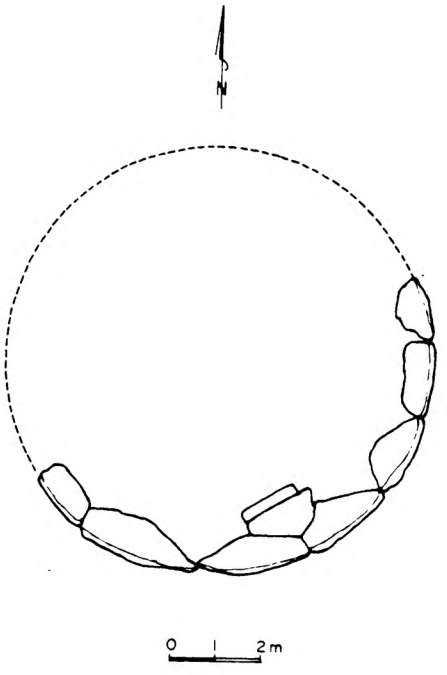
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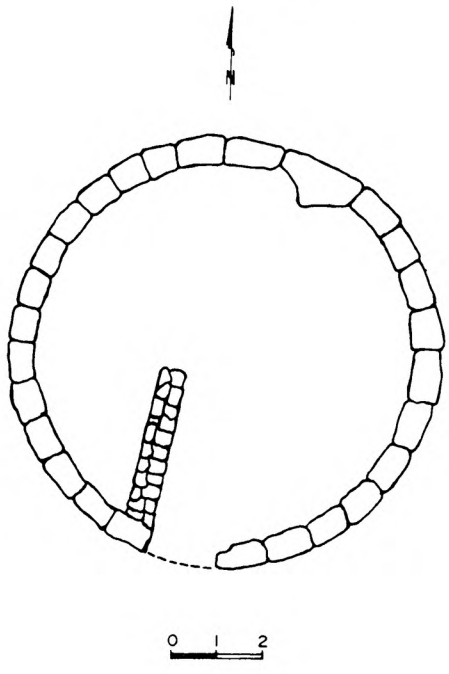
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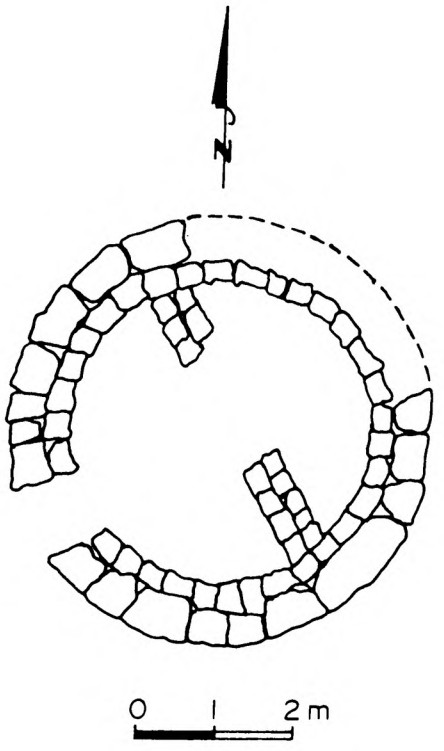
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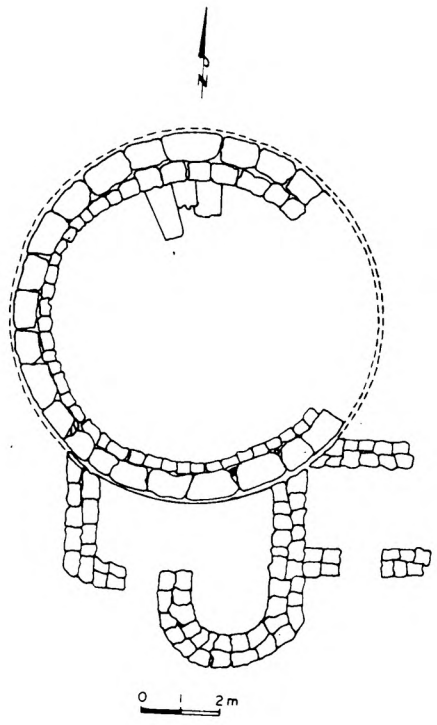
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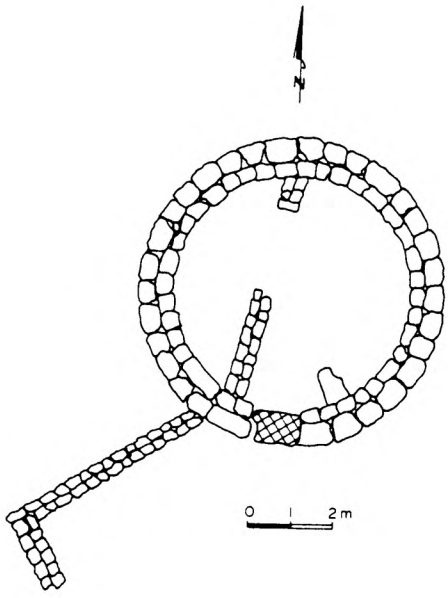
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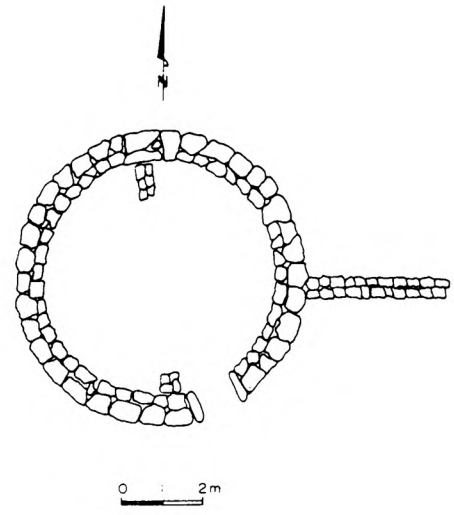
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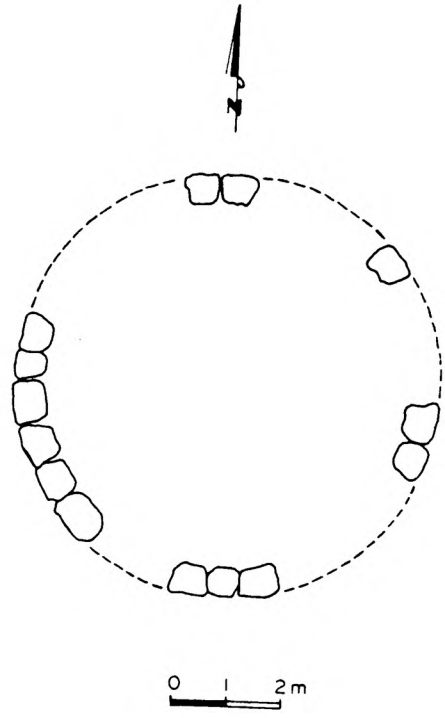
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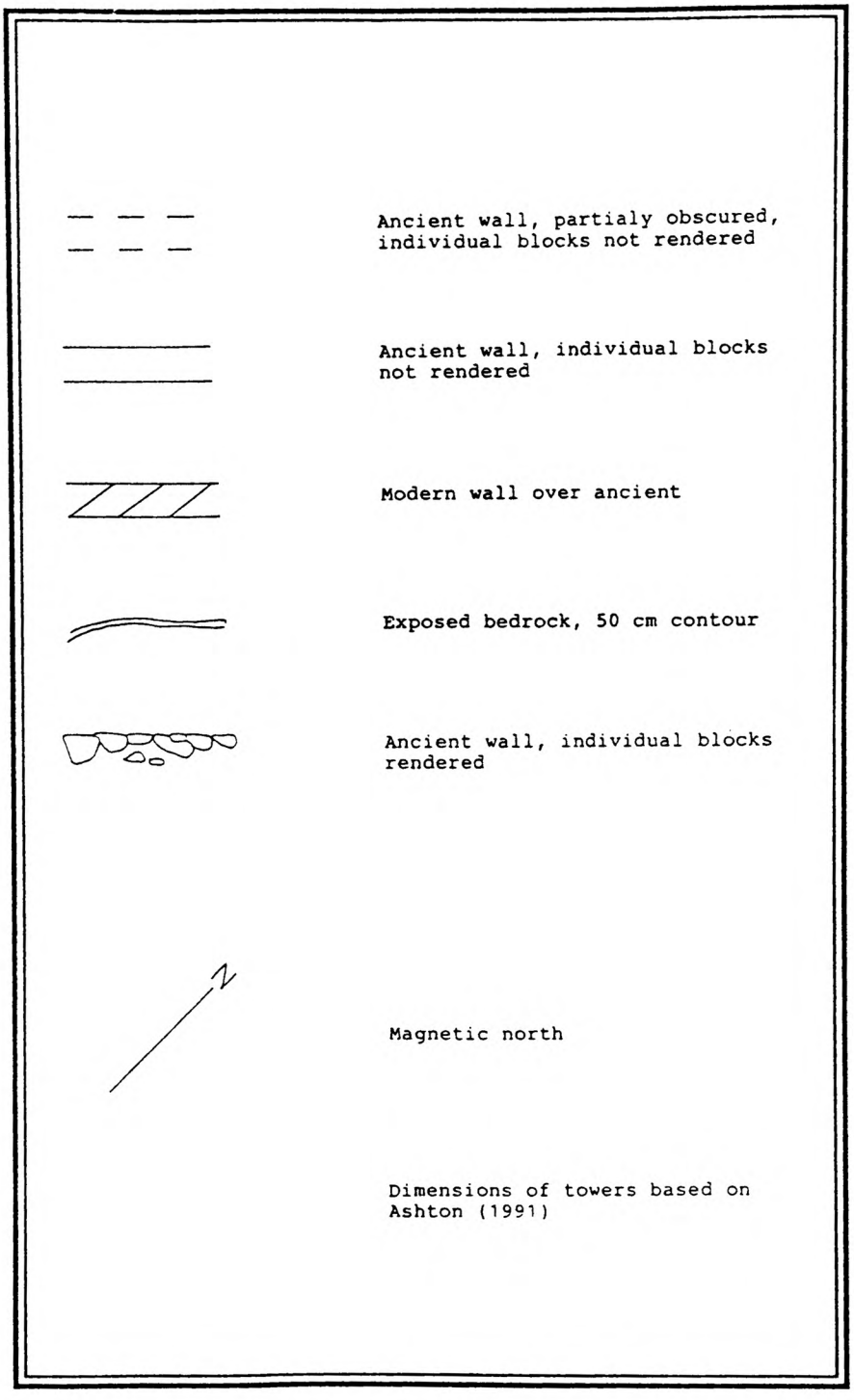


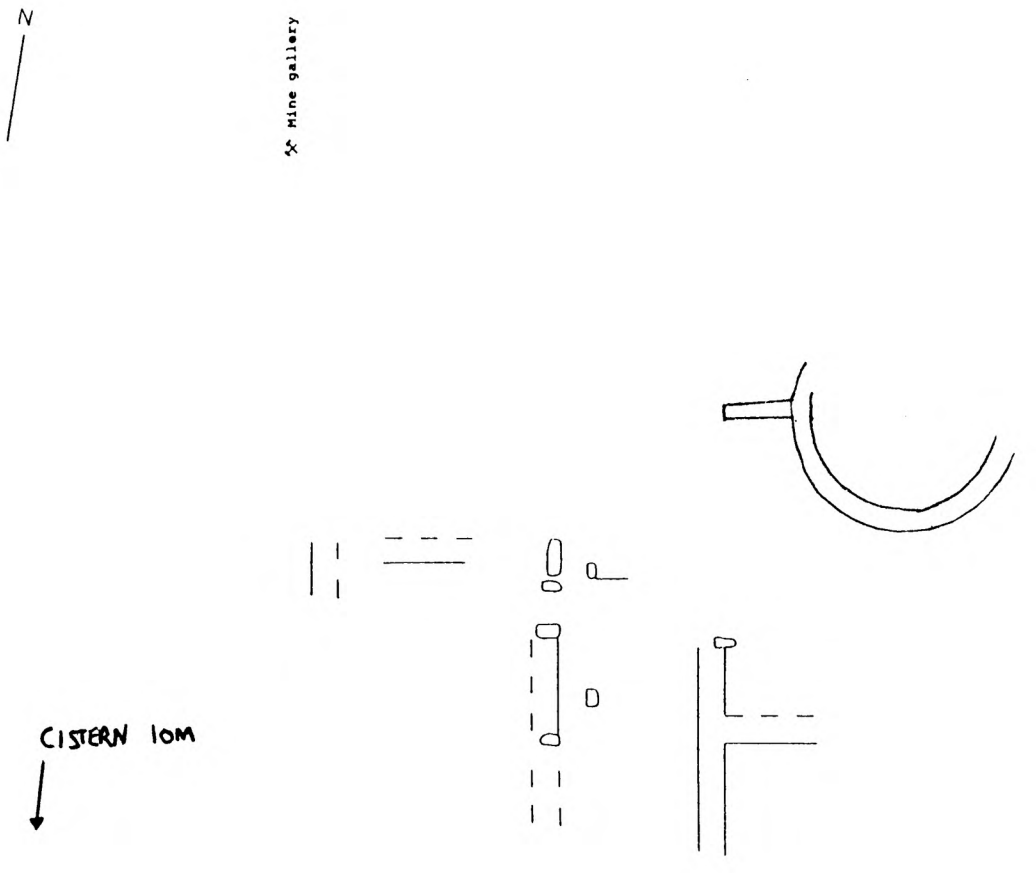
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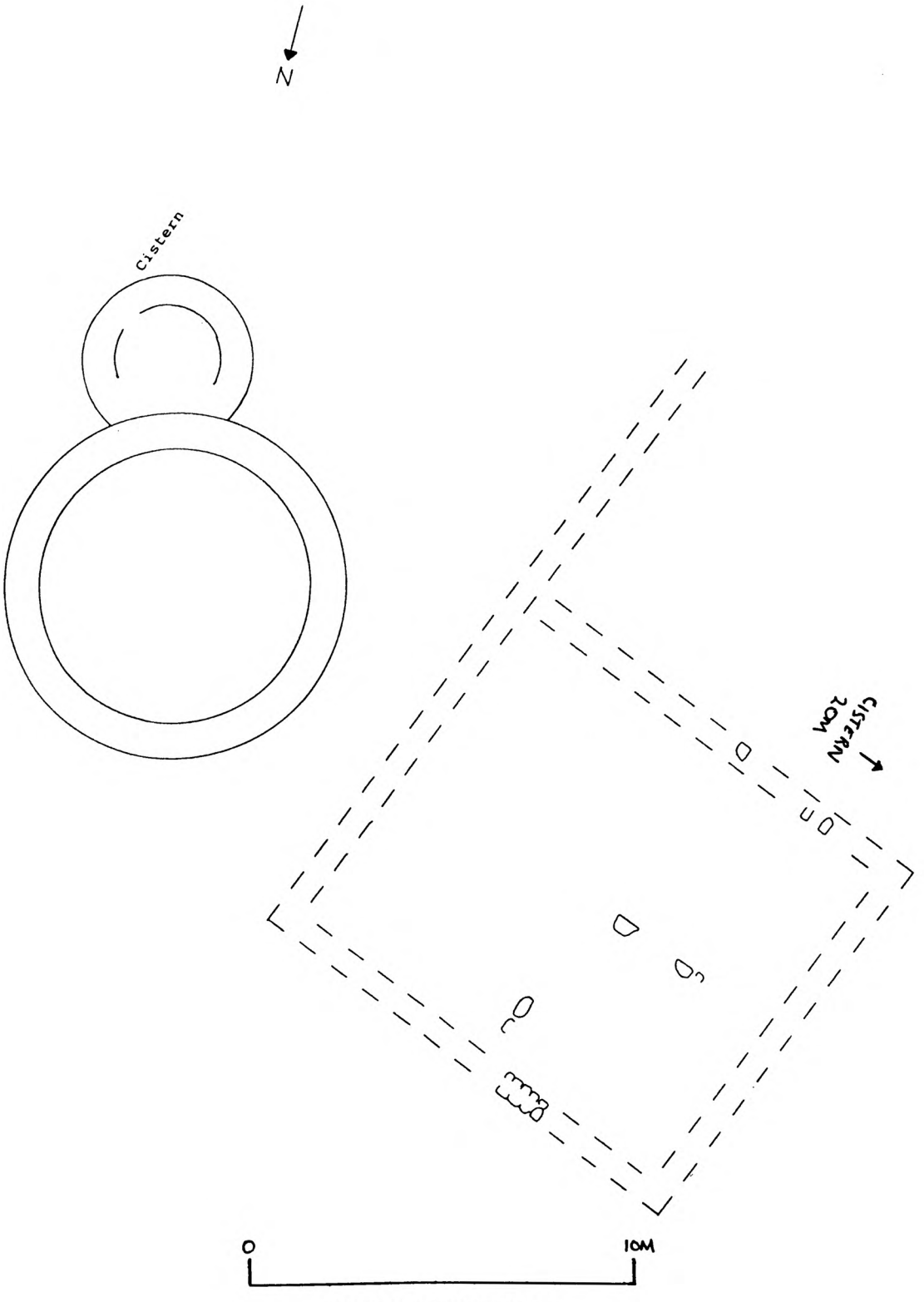
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APPENDIX 1.4: SELECT SIPHNOS SITE PLANS FROM FIELDWORK AND PREZIOSI 1994, INDICATING ASSOCIATED STRUCTURES

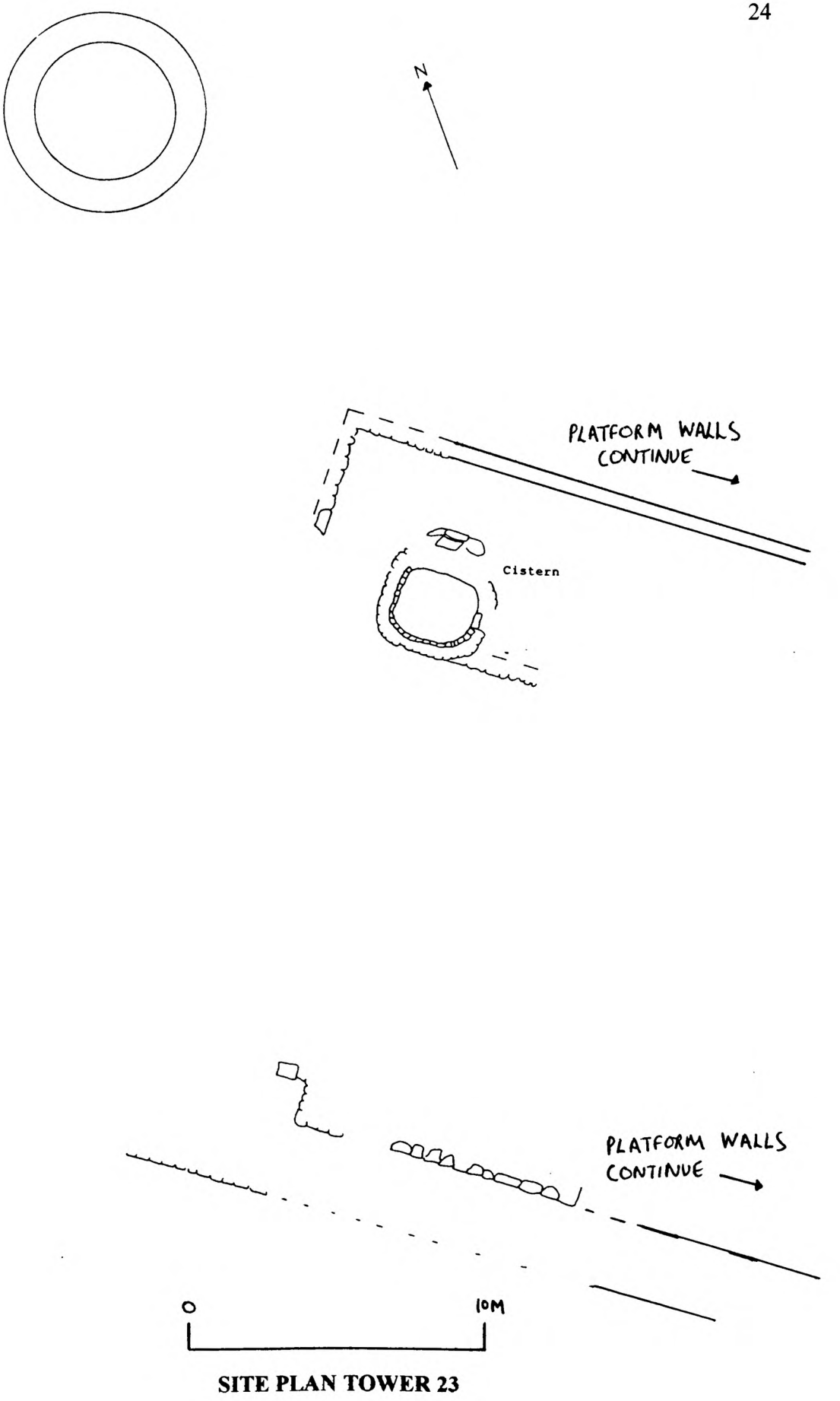




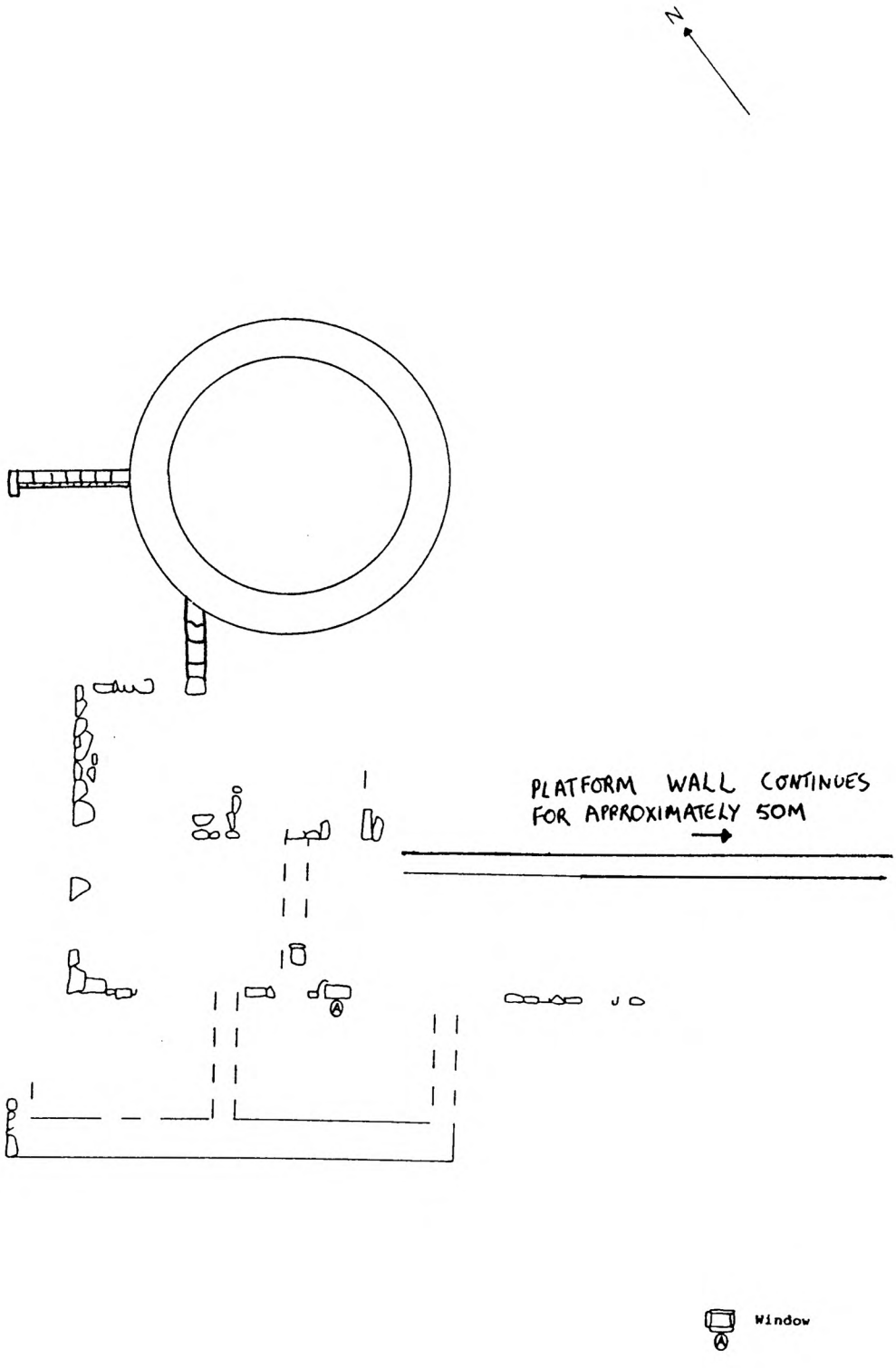
SITE PLAN TOWER 8



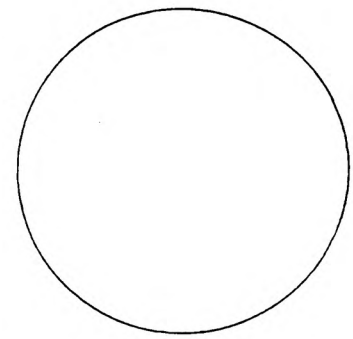
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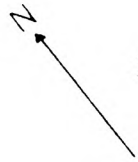


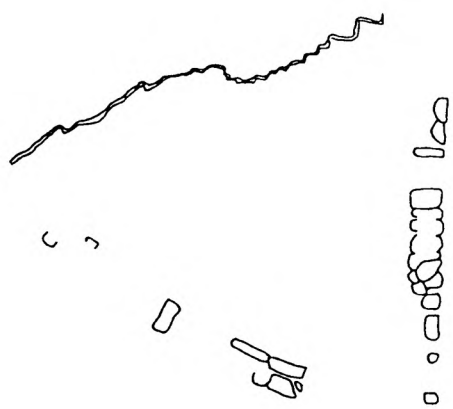
SITE PLAN TOWER 23



SITE PLAN TOWER 25





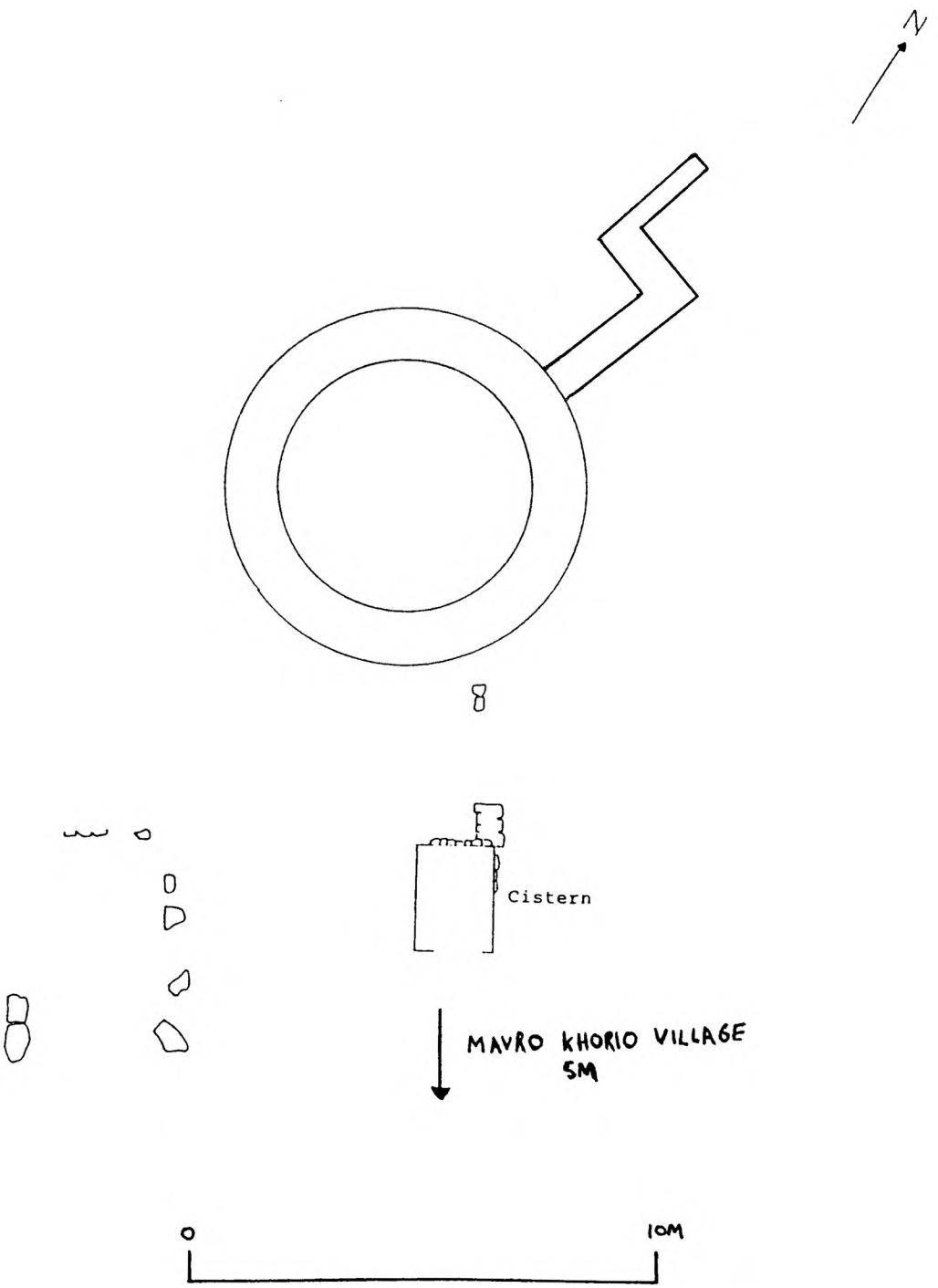


GALLERY ENTRANCE

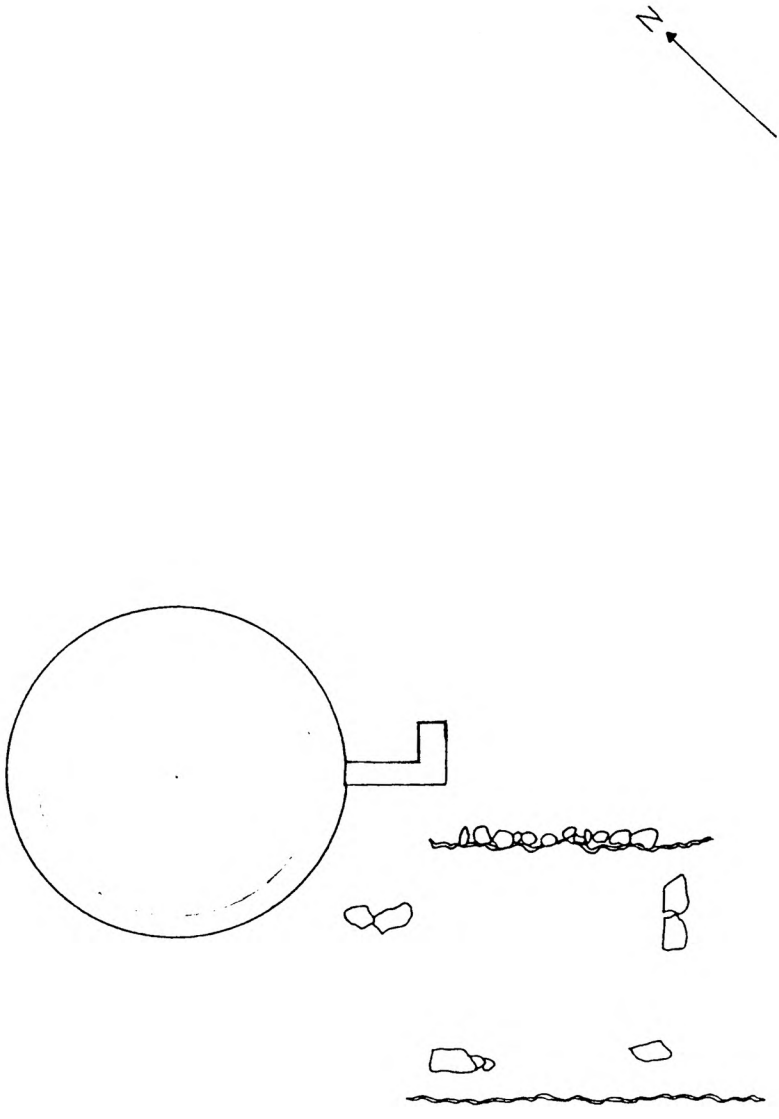
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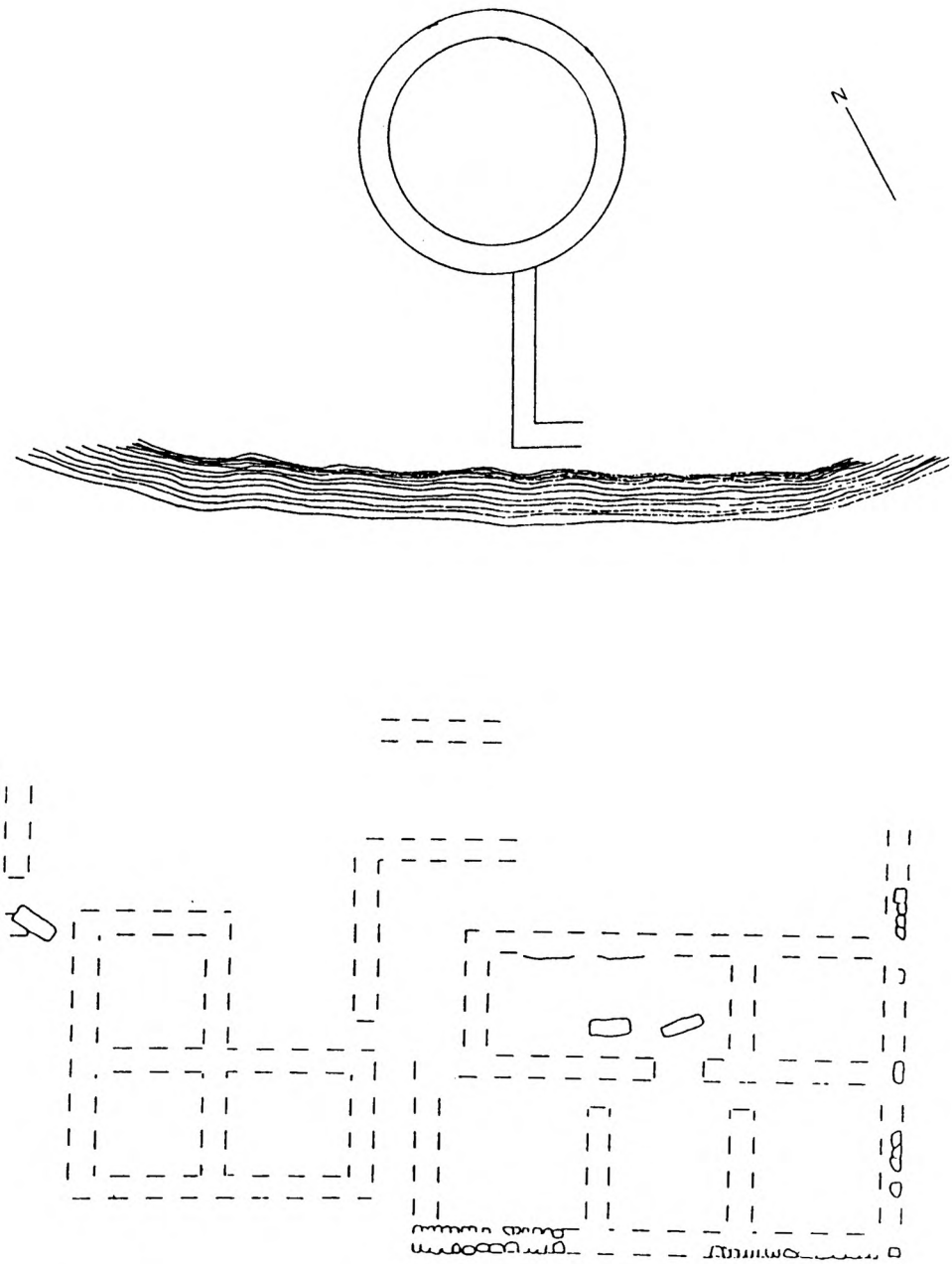
SITE PLAN TOWER 31



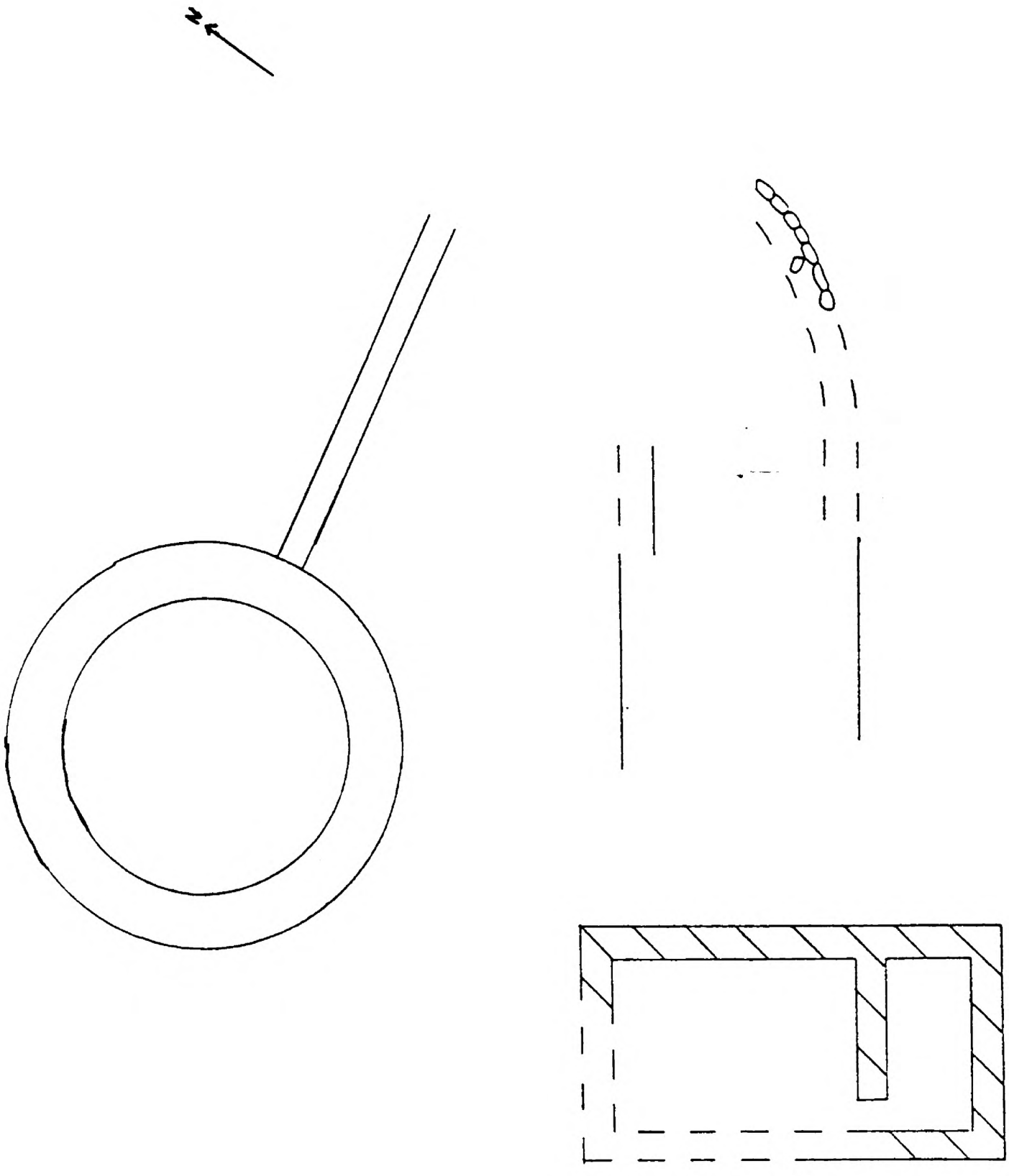
SITE PLAN TOWER 37



SITE PLAN TOWER 45



SITE PLAN TOWER 53



SITE PLAN TOWER 54

APPENDIX 2: ARCHITECTURE AND TOPOGRAPHY OF AEGEAN ISLAND TOWERS

Appendices 2 & 3 present a summary of evidence for rural towers in the Aegean and Mediterranean in standardised comparative tables. Variations in the completeness of measurements, and attributes mean that the quality of information is often uneven, but basic structural information — width, extant height, masonry — can be supplied for the majority. Site reports with tower plans are cited where possible, together with any recent syntheses or discussions which make substantially new comment on particular towers.

The material is provided as a comparative study of the role of towers as rural structures in other Aegean areas, and does not include towers built as part of urban circuit walls.[1] In some cases, however, typological division between 'stand alone' towers and 'fortification' complex towers is far from certain, and towers included are cited as such.[2]

CATEGORY ABBREVIATIONS

Each group of towers is tabulated in two consecutive sections - the first gives architectural and locational information, the second specifies any noteworthy features associated with the towers and highly selective bibliographic references (references chosen usually contain the relevant bibliography). All measurements are in metres.

LOCATION

+ others = other towers mentioned, but not detailed, in reports.

SITE

( ) = reported site destroyed
- = diagnostic evidence not available (destroyed)
n/a = diagnostic evidence not reported
~ = approximate (measurement)

P = Plan

O = round plan
□ = square /rectangular plan

Mat = Masonry material

B = brecchia
bs = bosses
C = conglomerate
D = dolomite
G = gneiss
L = limestone
M = marble
P = poros
Sc = schist
Sn = sandstone
g = grey
w = white

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1 See Winter 1971.
2 E.g. Panayia tower (Attika) - see Munn 1983: 433-8; Ober 1985: 174.

Mas = masonry work

A = ashlar
B = broached
C = (unspecified) courses, RC = roughly coursed
DC = drafted corners
DM = drafted margins
F = furrows
H = hammer dressed
Hd & St = Headers and Stretchers
Irr = irregular
IS = isodomic
L = Lesbian polygonal
O = orthostat
P = polygonal
Q = quarry face
T = trapezoidal
PS-IS = pseudo-isodomic
U = uncoursed rubble
W = (unspecified) chisel work

Floors

B = basement
G = ground-floor
U = (unspecified) upper storeys
1 = 1st-floor etc
m= mudbrick upper storey

Entrance

Orientation (N,S,E,W etc); Floor (G = ground, 1st = 1st floor etc); h = entrance height; w = entrance width; d = entrance depth

A = arch
H = door hinge
J = jamb(s)
L = lintel
T = threshold

Internal Dimensions/Features

c = cistern
H = hollow interior
P = no. of internal partitions/chambers
R = collapsed rubble masonry
S = (deliberately) solid packed interior
W = presence of interior dividing wall(s)

Extant height

height; C = number of courses in addition/lieu of measurement in metres; F = traces of foundations at ground level

Location

A = cultivable, arable land
F = forest
G = grazing, pasture land, marginal cultivable land

Masl = Altitude (metres above sea level)

Date

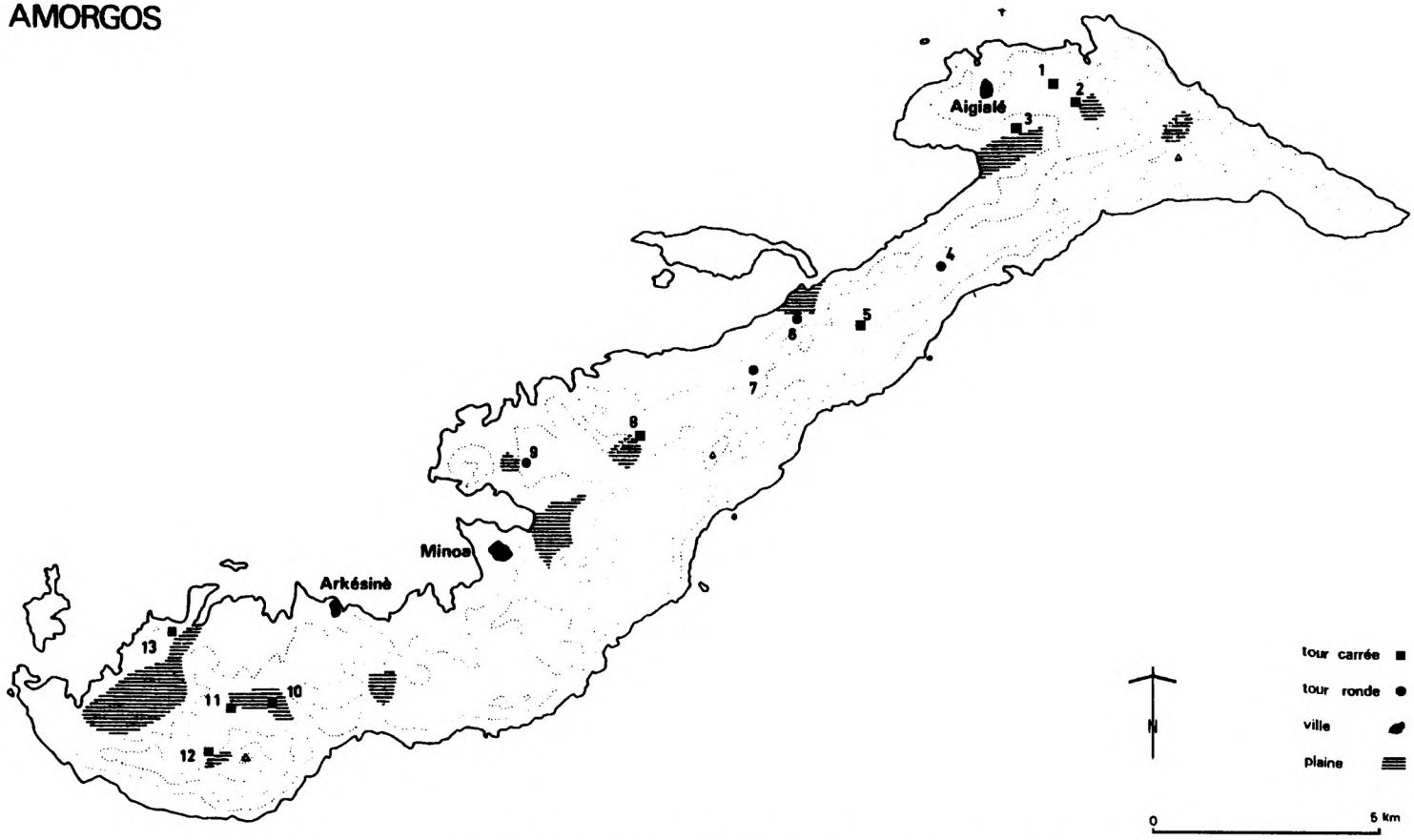
/ = date between late/early centuries e.g. 4/3rd = late 4th to early 3rd
- = date suggesting continuous usage between centuries e.g. 4-3rd
A = Archaic
C = Classical
H = Hellenistic
all numbers refer to BC

Associated Structures

The problem of associating material remains found at tower sites, but not always securely dated to the same period of use, has been discussed at length above. Some archaeologists have attempted to distinguish between 'courtyard' walls and 'secondary walls' at tower sites.[3] However the distinction is rarely, if ever, diagnostic due to variability in the levels of preservation and post-antique destruction. In the comparative tables, 'enclosure' and 'courtyard' walls are cited from site reports.

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[3] Lohmann 1993: 156 for towers in Atene region of southern Attika.

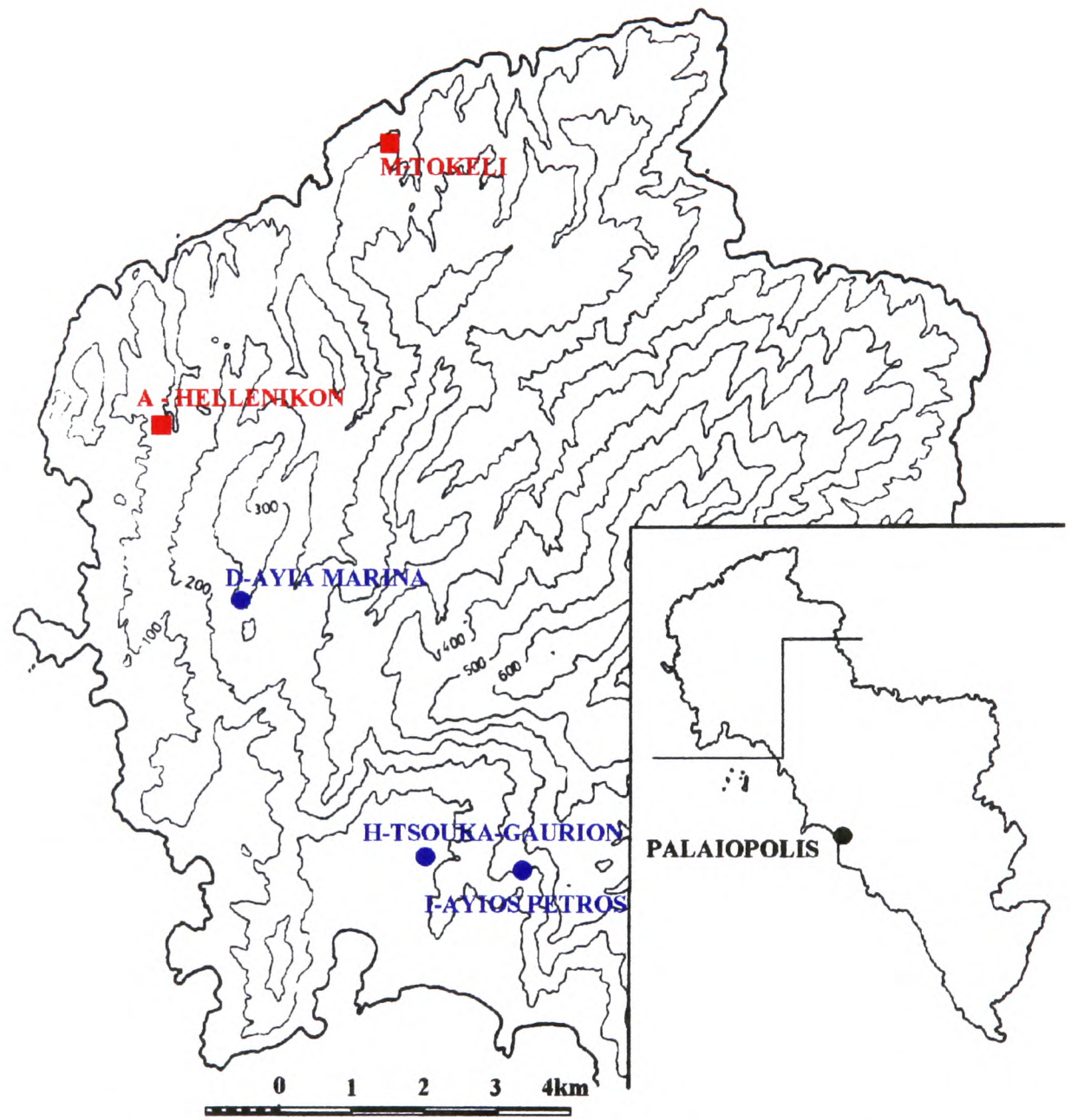


APPENDIX 2.1: AMORGOS TOWERS AFTER BOUSSAC & ROUGEMONT 1983

APPENDIX 2.1: AMORGOS TOWERS

LOCATION	SITE	P	Material	Mas	Floors	Entrance	Ext Dim (m)	Int Dim (m)	Block width (m)	Ext. Height (m) no. Courses	Location	Masl	Date	OTHER FEATURES
Ayios Stephanos	**Boussac & Rougemont 1983 no.1**	□											4-3rd ?	
Taxiarchis	**Boussac & Rougemont 1983 no.2**	□											4-3rd ?	
Ayios Yeoryios	**Boussac & Rougemont 1983 no.3**	□											4-3rd ?	
Exomeria	**Boussac & Rougemont 1983 no.4**	O											4-3rd ?	
Asfodhilitis	**Boussac & Rougemont 1983 no.5**	□											4-3rd ?	
Ayios Pavlos	**Boussac & Rougemont 1983 no.6**	O											4-3rd ?	
Richti	**Boussac & Rougemont 1983 no.7**	O		irr/PS-IS			9.5						4-3rd ?	
Torlaki	**Boussac & Rougemont 1983 no.8**	□				A							4-3rd ?	
Viglia	**Boussac & Rougemont 1983 no.9**	O											4-3rd ?	
Ayia Triadha	**Boussac & Rougemont 1983 no.10**	□		irr/PS-IS		N; L, T	9 x 9			10+	plateau		4-3rd ?	courtyard 28 x 16m; windows; 2 cisterns & conduit
Pyrgos tou Yannouli	**Boussac & Rougemont 1983 no.11**	□											4-3rd ?	
Pyrgi	**Boussac & Rougemont 1983 no.12**	□											4-3rd ?	
Mavrimiti	**Boussac & Rougemont 1983 no.13**	□											4-3rd ?	
Arkesine	**Troullis**	□ ?											C-H ?	
Arkesine	**Rachidi**	□ ?											C-H ?	
Arkesine	**Kornakopos**	□ ?											C-H ?	
Aigiale	**Stroumbous**	□ ?											C-H ?	
	Trypiti	□ ?											C-H ?	
	Armenissa	□ ?											C-H ?	
	Peristeria	□ ?											C-H ?	

LOCATION	SITE	REFERENCES
Ayios Stephanos	**Boussac & Rougemont 1983 no.1**	Boussac & Rougemont 1983
Taxiarchis	**Boussac & Rougemont 1983 no.2**	Boussac & Rougemont 1983
Ayios Yeoryios	**Boussac & Rougemont 1983 no.3**	Boussac & Rougemont 1983
Exomeria	**Boussac & Rougemont 1983 no.4**	Boussac & Rougemont 1983
Asfodhilitis	**Boussac & Rougemont 1983 no.5**	Boussac & Rougemont 1983
Ayios Pavlos	**Boussac & Rougemont 1983 no.6**	Boussac & Rougemont 1983
Richti	**Boussac & Rougemont 1983 no.7**	Bent 1965: 489; Boussac & Rougemont 1983
Torlaki	**Boussac & Rougemont 1983 no.8**	Bent 1965: 483; Boussac & Rougemont 1983
Viglia	**Boussac & Rougemont 1983 no.9**	Boussac & Rougemont 1983
Ayia Triadha	**Boussac & Rougemont 1983 no.10**	Ross 1843: 43; Weil 1876: 335; Bent 1965: 499-500; Boussac & Rougemont 1983
Pyrgos tou Yannouli	**Boussac & Rougemont 1983 no.11**	Boussac & Rougemont 1983
Pyrgi	**Boussac & Rougemont 1983 no.12**	Boussac & Rougemont 1983
Mavrimiti	**Boussac & Rougemont 1983 no.13**	Boussac & Rougemont 1983
Arkesine	**Troullis**	Weil 1876: 335
Arkesine	**Rachidi**	Bent 1965: 500
Arkesine	**Kornakopos**	Dawkins & Wace 1905-6: 157 n.9
Aigiale	**Stroumbous**	Dawkins & Wace 1905-6: 157 n.9
	Trypiti	Dawkins & Wace 1905-6: 157 n.9
	Armenissa	Dawkins & Wace 1905-6: 157 n.9
	Peristeria	Dawkins & Wace 1905-6: 157 n.9
	+OTHER REPORTED TOWERS	Weil 1876: 331; Boussac & Rougemont 1983 : 115
		BIBLIOGRAPHY
		Bent, J.T. ([1885], 1965 ed.) *Aegean Islands. The Cyclades, or life among the insular Greeks.* London.
		Boussac, M.F., Rougemont, G. (1983) Observations sur le territoire des cités d'Amorgos.
		In *Les Cyclades: Matériaux pour une étude de géographie historique*: 113-120.
		Dawkins, R.M., Wace, A.J.B. (1905-1906) Notes from the Sporades;
		Astypalaea, Telos, Nisyros, Leros. *ABSA* **12:** 151-174.
		Ross, L. (1843) *Reisen auf den griechischen Inseln des Ägäischen Meeres. Vol. II.* Stuttgart.
		Weil, R. (1876) Von den griechischen Inseln *AM* 1: 328-350.



ANDROS TOWERS AFTER KOUTSOUKOU & KANELLOPOULOS 1990

■ SQUARE TOWERS
● ROUND TOWERS
● CLASSICAL POLIS CENTRE

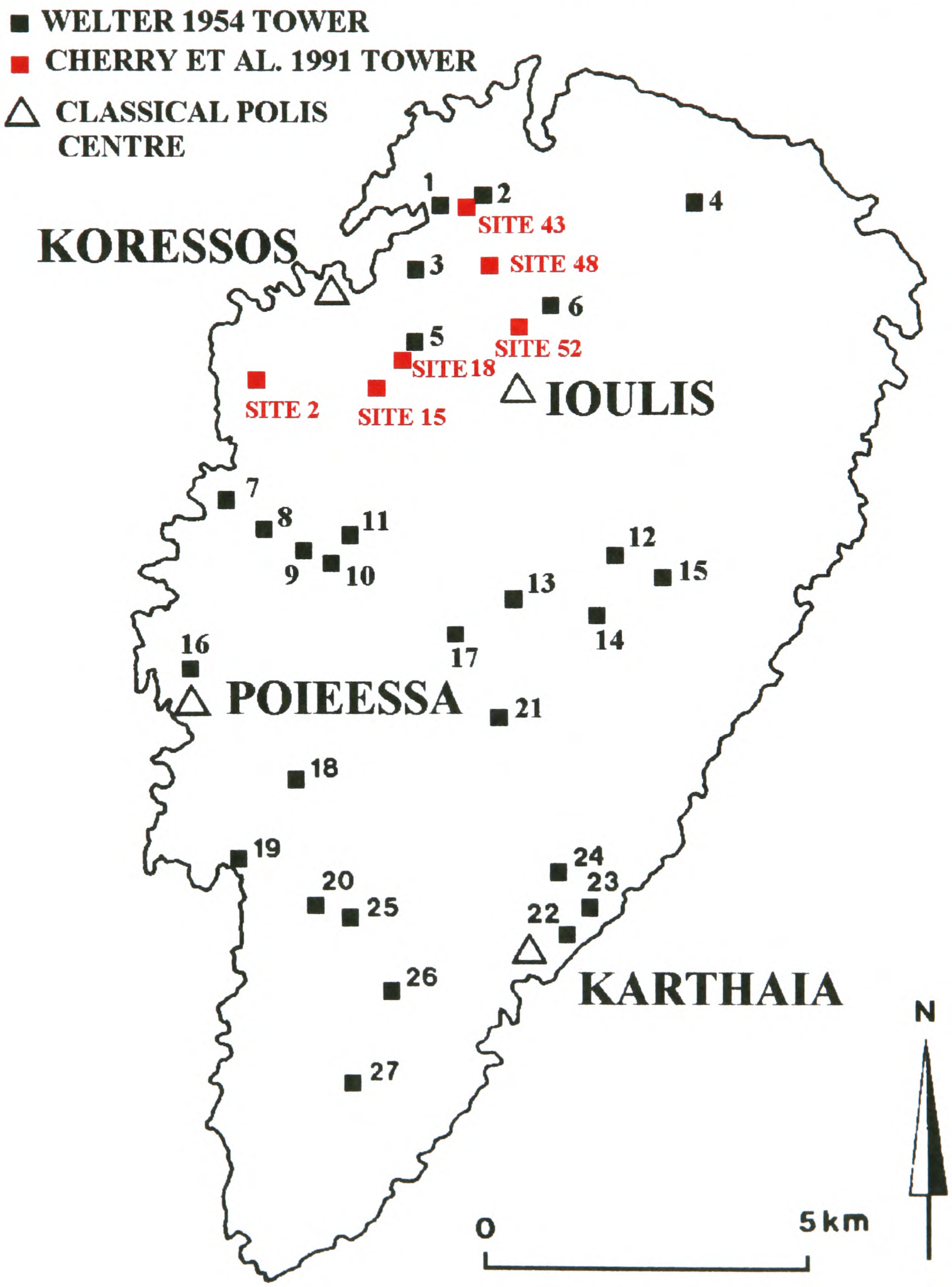
APPENDIX 2:2

APPENDIX 2.2: ANDROS TOWERS

LOCATION	SITE	P	Mat	Mas	Floors	Ent	Ext Dim (m)	Int Dim (m)	Block Width (m)	Ext. H (m)	Location	Masl	Date	Other Features
Hellenikon-Choreza	**Koutsoukou & Kanellopoulos 1990 site A**	□	M	T; I	G + U	S	6 x 6		1	1.8	mines (?)	100	4th	courtyard; retaining wall
Ayia Marina	**Koutsoukou & Kanellopoulos 1990 site D**	O	S	U	n/a	W/SW ?	4.8		1	1.8	hill slope	300	5-4th	wall; stone slabs; press weights, millstone nearby
Tsouka-Gaurion	**Koutsoukou & Kanellopoulos 1990 site H**	O	M	U	n/a	S ?	6.2		0.8	0.7	hill slope	100	4th	wall; drain (?)
Ayios Petros	**Koutsoukou & Kanellopoulos 1990 site I**	O	S	A; I	B + 5-6?	S; G, 1st and 3rd F	9.9	n/a	n/a	19.8	hill slope	200	4th	windows; adjacent walls 23m x 10m; terrace walls; mines, quarries
Tokeli	**Koutsoukou & Kanellopoulos 1990 site M**	□	S	B	n/a	NW; G; J	8.2 x 7.8	int wall	n/a	~1.1	ridge top	100	4th	courtyard ?; terrace wall

LOCATION	SITE	REFERENCES
Hellenikon-Choreza	**Koutsoukou & Kanellopoulos 1990 site A**	Koutsoukou & Kanellopoulos 1990: 162-9
Ayia Marina	**Koutsoukou & Kanellopoulos 1990 site D**	Koutsoukou & Kanellopoulos 1990: 160-2
Tsouka-Gaurion	**Koutsoukou & Kanellopoulos 1990 site H**	Koutsoukou & Kanellopoulos 1990: 155-60
Ayios Petros	**Koutsoukou & Kanellopoulos 1990 site I**	Sauciuc 1914: 29-33; Haselberger 1978: 352, 365-8; 1983: 59-90
Tokeli	**Koutsoukou & Kanellopoulos 1990 site M**	Koutsoukou & Kanellopoulos 1990: 172-4
		BIBLIOGRAPHY
		Haselberger, L. (1978) Der Paläopyrgos von Naussa auf Paros. *AA* **93:** 345-375.
		- (1983) *Befestigte Turmgehöfte im Hellenismus auf den Kykladeninseln Naxos, Andros und Keos.* Munich.
		Koutsoukou, A., Kanellopoulos, C. (1990) Towers from North-West Andros. *A BSA* **85:** 155-174.
		Sauciuc, T. (1914) *Andros: Untersuchungen zur Geschichte und Topographie der Insel*. Wien.

KEOS TOWERS AFTER WELTER 1954 & CHERRY, DAVIS, MANTZOURANI 1991



APPENDIX 2:3

APPENDIX 2.3: KEOS TOWERS

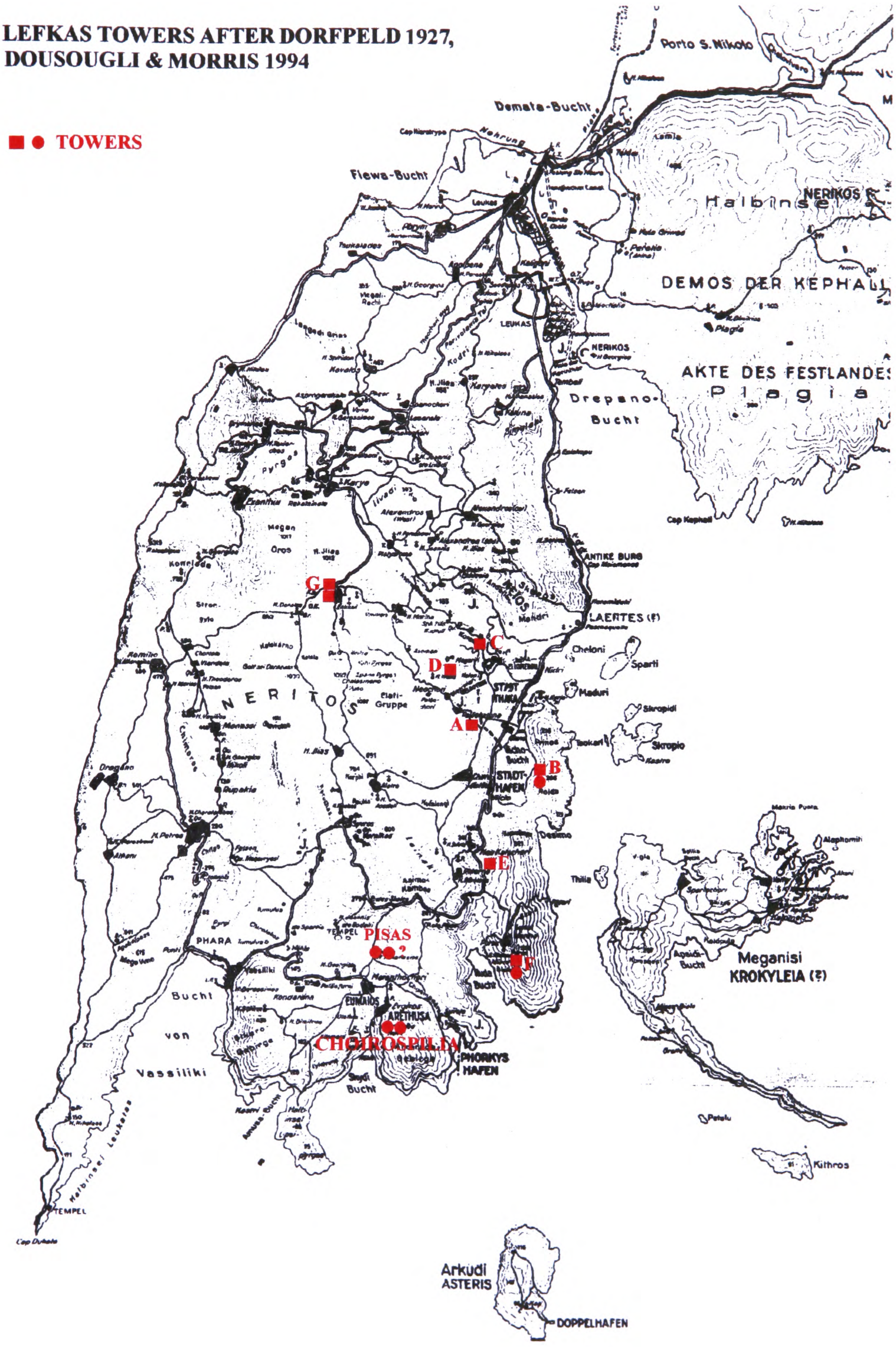
LOCATION	SITE	P	Mat	Mas	Floors	Ent	Ext Dim (m)	Int Dim (m)	Block Width (m)	Extant H (m)	Location	Masl	Date	OTHER FEATURES
Vourkari	**Welter 1954: no.1**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			n/a	n/a
Mavrou	**Welter 1954: no.2 ? Cherry et al. 1991: site 48**	□	L/Sc	T; PS-IS; DM	-	SW ?	9.3 x 9.1	8.1 x 6.9	1.2	F			A-H	forecourt; pithoi, amphoras, fineware
Fotimari	**Welter 1954: no.3 ? Cherry et al. 1991: site 22**	□	n/a	n/a	-	n/a	15.5 x 9	n/a	n/a	F			A-H	abandoned (ancient ?) terraces
Kellia tou Kastriou	**Welter 1954: no.4**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			n/a	n/a
Roukounas	**Welter 1954 no.5 ? Cherry, et al. 1991: site 18**	□	n/a	U; DC	-	SW ?	8 x 7.2	7 x 6.2	1	F	flat		A-H	exterior staircase ? cistern; forecourt ? terrace ?
Dosinari	**Welter 1954: no.6**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	n/a
Xyla (Koraki)	**Welter 1954: no.7; Cherry et al. 1991: site 2**	□	n/a	U; RC	G	E?	11.6 x 8.5	n/a	?	n/a	river valley	60	A-C	cistern
Sklavonikoia	**Welter 1954: no.8**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	n/a
Foti	**Welter 1954: no.9**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	n/a
Ayia Marina	**Welter 1954: no.10**	□	Sc; M	PS-IS; T	G + 5?	S; 2m	10 x 9.8	H; 2P; c		~17	valley floor		C-H ?	parapet, gallery, windows; courtyard
Panachrantos	**Welter 1954: no.11**	□	G	bs	n/a	SE; G; 2m h x 0.9m w	12.3 x 12.3	9.9 x 9.9	1.25	3.5			C-H ?	adjacent (later ?) building
Kombouri	**Welter 1954: no.12**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Lutriani	**Welter 1954: no.13**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Hellenika	**Welter 1954: no.14**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Ayios Seris	**Welter 1954: no.15**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Tourkou	**Welter 1954: no.16**	O	G/Sc	n/a	-	G; S	7.5	5.9	0.8	n/a	hilltop		C	courseware; fineware (classical); enclosure wall ?
Ayios Panteleimon	**Welter 1954: no.17**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Katevati	**Welter 1954: no.18**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Panayia tou Koundourou	**Welter 1954: no.19**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Katia	**Welter 1954: no.20**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Ayios Nikolaos tis Katomerias	**Welter 1954: no.21**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Pigadaki	**Welter 1954: no.22**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Enkremia	**Welter 1954: no.23**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Plakaloni-Palaiopyrgos	**Welter 1954: no.24**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Kokkinada	**Welter 1954: no.25**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Ampelia tis Petroussis	**Welter 1954: no.26**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Mazoumatou	**Welter 1954: no.27**	□?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?	
Mylopotamos	**Cherry et al. 1991: site 15**	□	n/a	U	-	-	6.6 x 5.2	5.9 x 4.5	0.7	F		40	H	2 olive presses
Vourkari	**Cherry et al. 1991: site 43**	□	n/a	U	-	-	12.5 ? x 10.5	n/a	n/a	F			C-H	millstone; pithoi; courseware
Ayios Prokiopos	**Cherry et al. 1991: site 52**	□	n/a	T; C; DC; DM	G	-	11+ x 9.3	n/a	n/a	3C			C-H	overbuilt by church
	+ OTHER (POSSIBLE TOWER) FOUNDATIONS													
Kephala	**Cherry et al. 1991: site 41**	□	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			A-H ?	tile; sherds
Ayia Varvara	**Cherry et al. 1991: 45**	□	L	n/a	-	n/a	n/a	n/a	n/a	5C			C ?	courseware; amphora
Ayia Varvara	**Cherry et al. 1991: 49 off-site**	□/O ?	L	irr T	-	n/a	n/a	n/a	1.1	1.3 (6C)			C ?	n/a
Ayia Varvara	**Cherry et al. 1991: 50**	□	L	A; PS-IS	-	n/a	n/a	n/a	n/a	n/a			C-H ?	cistern; millstone; terraces; later buildings
Diaseli Otzia	**Cherry et al. 1991: 55**	□	S	U	-	n/a	n/a	n/a	1	1C	hillslope		A-H ?	courseware; fineware; beehive fragments
Kephala	**Cherry et al. 1991: 58**	□	n/a	RC	n/a	n/a	13 x 10 ?	n/a	n/a	n/a	hillslope		A-H ?	other walls to E ?

APPENDIX 2.3: KEOS TOWERS

LOCATION	SITE	REFERENCES
Vourkari	**Welter 1954: no.1**	Welter 1954: 87
Mavrou	**Welter 1954: no.2 ? Cherry et al. 1991: site 48**	Welter 1954: 87; Cherry et al. 1991: 107-8, 151 Fig. 5.27, 285-98
Fotimari	**Welter 1954: no.3 ? Cherry et al. 1991: site 22**	Welter 1954: 87; Cherry et al. 1991: 88-9, 285-98
Kellia tou Kastriou	**Welter 1954: no.4**	Welter 1954: 87
Roukounas	**Welter 1954 no.5 ? Cherry, et al. 1991: site 18**	Welter 1954: 87; Cherry et al. 1991: 85, 146 Figs. 5.19-20, 285-98
Dosinari	**Welter 1954: no.6**	Welter 1954: 87
Xyla (Koraki)	**Welter 1954: no.7; Cherry et al. 1991: site 2**	Welter 1954: 87; Cherry et al. 1991: 72-3, 144 fig. 5.16, 285-98
Sklavonikola	**Welter 1954: no.8**	Welter 1954: 87
Foti	**Welter 1954: no.9**	Welter 1954: 87
Ayia Marina	**Welter 1954: no.10**	Graindor 1921: 113-119; Welter 1954: 87-91; Haselberger 1978: 367-9; 1983: 91-110; Cherry et al. 1991: 286
Panachrantos	**Welter 1954: no.11**	Welter 1954: 87-88 Fig. 23; Haselberger 1983: 110-2
Kombouri	**Welter 1954: no.12**	Welter 1954: 87
Lutriani	**Welter 1954: no.13**	Welter 1954: 87
Hellenika	**Welter 1954: no.14**	Welter 1954: 87
Ayios Seris	**Welter 1954: no.15**	Welter 1954: 87
Tourkou	**Welter 1954: no.16**	Welter 1954: 87; Galani, Mendoni, Papageorgiadou 1987: 241, Σχεδ. 5
Ayios Panteleimon	**Welter 1954: no.17**	Welter 1954: 87
Katevati	**Welter 1954: no.18**	Welter 1954: 87
Panayia tou Koundourou	**Welter 1954: no.19**	Welter 1954: 87
Katia	**Welter 1954: no.20**	Welter 1954: 88
Ayios Nikolaos tis Katomerias	**Welter 1954: no.21**	Welter 1954: 88
Pigadaki	**Welter 1954: no.22**	Welter 1954: 88
Enkremia	**Welter 1954: no.23**	Welter 1954: 88
Plakaloni-Palaiopyrgos	**Welter 1954: no.24**	Welter 1954: 88
Kokkinada	**Welter 1954: no.25**	Welter 1954: 88
Ampelia tis Petroussis	**Welter 1954: no.26**	Welter 1954: 88
Mazoumatou	**Welter 1954: no.27**	Welter 1954: 88
Mylopotamos	**Cherry et al. 1991: site 15**	Cherry, Davis, Mantzourani 1991: 83, 145 Fig. 5.18, 285-98
Vourkari	**Cherry et al. 1991: site 43**	Cherry, Davis, Mantzourani 1991: 103-4, 149 Fig. 5.26, 285-98
Ayios Prokiopos	**Cherry et al. 1991: site 52**	Cherry, Davis, Mantzourani 1991: 111-2, 285-98
	+ OTHER (POSSIBLE TOWER) FOUNDATION	
Kephala	**Cherry et al. 1991: site 41**	Cherry, Davis, Mantzourani 1991: 102
Ayia Varvara	**Cherry et al. 1991: 45**	Cherry, Davis, Mantzourani 1991: 105-6
Ayia Varvara	**Cherry et al. 1991: 49 off-site**	Cherry, Davis, Mantzourani 1991: 109, 151 Fig. 5.28
Ayia Varvara	**Cherry et al. 1991: 50**	Cherry, Davis, Mantzourani 1991: 109-10, 151 Fig. 5.29
Diaseli Otzia	**Cherry et al. 1991: 55**	Cherry, Davis, Mantzourani 1991: 109-10
Kephala	**Cherry et al. 1991: 58**	Cherry, Davis, Mantzourani 1991: 117
	+ OTHER REPORTED TOWERS	
Karthaia/Poieessa		Mendoni 1994
		BIBLIOGRAPHY
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		In J.F. Cherry, J.L. Davis, E. Mantzourani (eds.) *Landscape Archaeology as long- term history*
		Northern Keos in the Cycladic Islands from earliest settlement until modern times: 285-298
		Galani, G., Mendoni, L.G., Papageorgiadou (1987) Επιφανειακή έρευνα στν Κέα.
		ΑΡΧΑΙΟΓΝΩΣΙΑ 3: 237-244.
		Graindor, P. (1921) Kykladika. *MB* 25: 69-125.
		Haselberger, L. (1978) Der Paläopyrgos von Naussa auf Paros. *AA* 93: 345-375
		- (1983) *Befestigte Turmgehöfte im Hellenismus auf den Kykladeninseln Naxos, Andros und Keos.* Munich.
		Mendoni, L.G. (1994) The Organisation of the Countryside in Kea.
		In Doukellis, P.N., Mendoni, L.G. (eds.) *Structures Rurales et Sociétés Antiques*: 147-161
		Welter, G. (1954) Von griechischen Inseln: Keos I. *AA* 69: 48-93

LEFKAS TOWERS AFTER DORFPELD 1927, DOUSOUGLI & MORRIS 1994

■ ● **TOWERS**

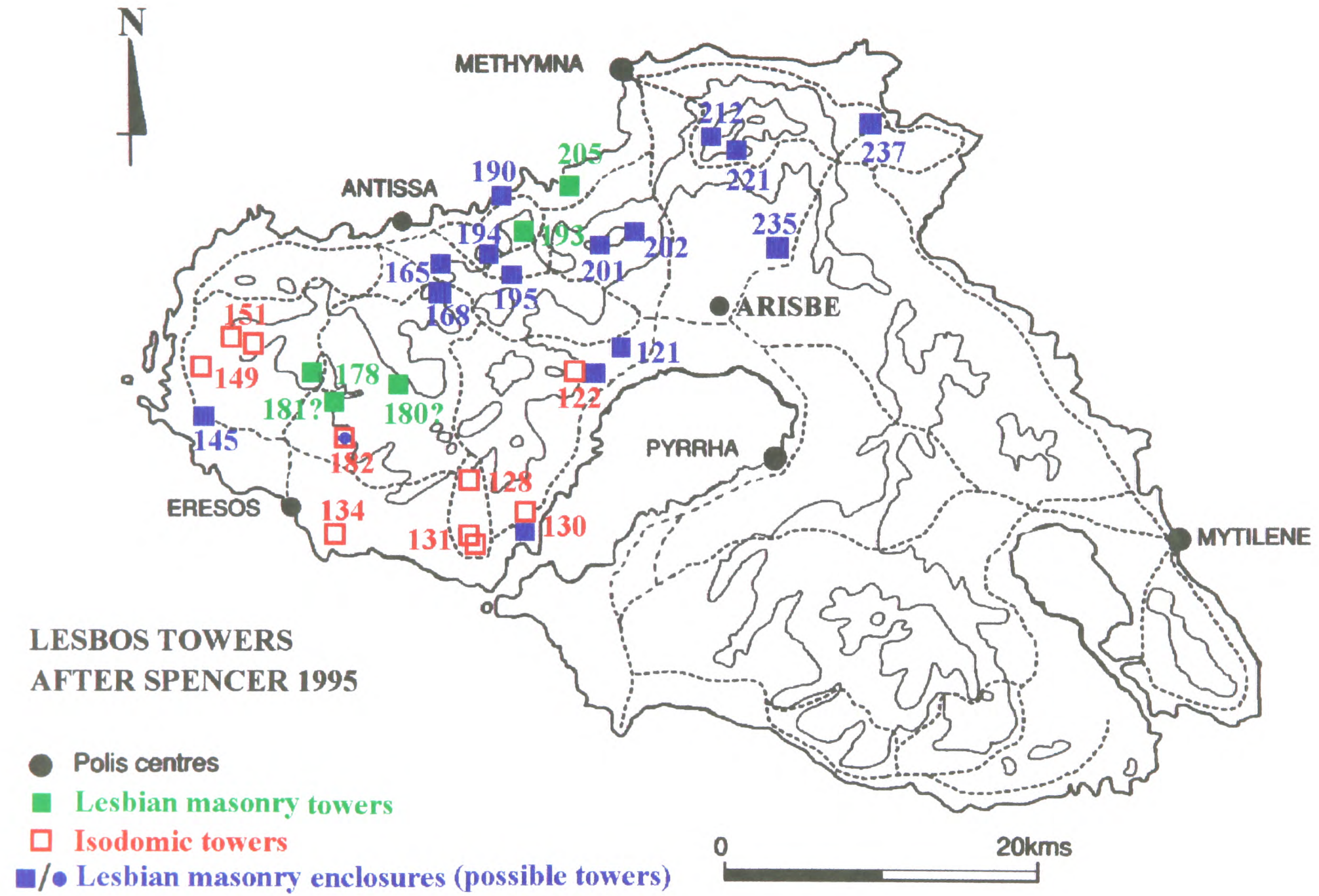


APPENDIX 2:4

APPENDIX 2.4: LEFKAS TOWERS

							Ext	Int	Block	Extant			
LOCATION	**SITE**	**P**	**Mat**	**Mas**	**Floors**	**Ent**	**Dim (m)**	**Dim (m)**	**Width (m)**	**H (m)**	**Location**	**Masl**	**Date**
Palaiokatouna	**Dörpfeld 1927: A**	□	B	A; crampons	B ?	n/a	9.7 x 8.7	7.7 x 6.9; 3 P	1	n/a	plain	0	C-H ?
Vlicho	**Dörpfeld 1927: B** □	□	L	A; crampons	-	n/a	7 x 7	6.3 x 6.3	0.7	F	coast	0	H
Vlicho	**Dörpfeld 1927: B O**	O	B	P	-	n/a	5			F	coast	0	C
Helleniko	**Dörpfeld 1927: C**	□	L	P	n/a	NE ?; G	8.3 x 6.2	W	1 +	n/a			C-H ?
Mavroneri	**Dörpfeld 1927: D**	□	L	A; PS-IS; clamps			6.2 x 6.2	2 P				0	C-H ?
Katochori	**Dörpfeld 1927: E**	□	L	A			8.6 x 8.2	2 P				50	C-H ?
Poros	**Dörpfeld 1927: F** □	□	C	A/T; PS-IS; clamps	G + U		~7 x 7			7m; 22C			H
Poros	**Dörpfeld 1927: F O**	O	C	A			6.3	~5.4	0.7-1.1				C?
Enklovi	**Dörpfeld 1927: G 1st tower**	□	L				8.6 x 8	2 P					C-H ?
Enklouvi	**2nd tower**	□											C-H ?
Marantochori	**Choirospilia 1st tower**	O ?											C-H ?
Marantochori	**Choirospilia 2nd tower**	O											C-H ?
Pisas	**Pisas 1st tower**	O ?											C-H ?
Pisas	**Pisas 2nd tower**	O ?											C-H ?

LOCATION	**SITE**	**OTHER FEATURES**	**REFERENCES**
Palaiokatouna	**Dörpfeld 1927: A**	internal cistern ? adjacent building	Dörpfeld 1927: 256-257
Vlicho	**Dörpfeld 1927: B** □	internal cistern in round tower; sherds; ancient buildings to NE	Dörpfeld 1927: 258-260; Dousougli & Morris 1994: 216
Vlicho	**Dörpfeld 1927: B O**	internal cistern; sherds; ancient buildings to NE	Dörpfeld 1927: 258-260; Dousougli & Morris 1994: 216
Helleniko	**Dörpfeld 1927: C**		Dörpfeld 1927: 260
Mavroneri	**Dörpfeld 1927: D**		Dörpfeld 1927: 260-261
Katochori	**Dörpfeld 1927: E**		Dörpfeld 1927: 261
Poros	**Dörpfeld 1927: F** □	ashlar wall enclosure 33 x 20m; stone basin; press stones	Dörpfeld 1927; Dousougli & Morris 1994: 215-6
Poros	**Dörpfeld 1927: F O**		Dousougli & Morris 1994: 215-6
Enklovi	**Dörpfeld 1927: G 1st tower**		Dörpfeld 1927: 262; Dousougli & Morris 1994: 216
Enklouvi	**2nd tower**		Dousougli & Morris 1994: 217
Marantochori	**Choirospilia 1st tower**		Dousougli & Morris 1994: 217
Marantochori	**Choirospilia 2nd tower**		Dousougli & Morris 1994: 217
Pisas	**Pisas 1st tower**		Dousougli & Morris 1994: 217
Pisas	**Pisas 2nd tower**		Dousougli & Morris 1994: 217
			BIBLIOGRAPHY
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			Dousougli, A., Morris, S. (1994) 'Ancient Towers on Leukas, Greece.'
			In Doukellis & Mendoni (eds.) *Structures Rurales et Sociétés Antiques* : 215-225


N
METHYMNA
ANTISSA
ARISBE
PYRRHA
ERESOS
MYTILENE
212
237
221
205
190
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194
193
202
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165
195
168
121
151
149
178
122
181?
180?
145
182
128
134
131
130
LESBOS TOWERS
AFTER SPENCER 1995
Polis centres
Lesbian masonry towers
Isodomic towers
Lesbian masonry enclosures (possible towers)
0
20kms

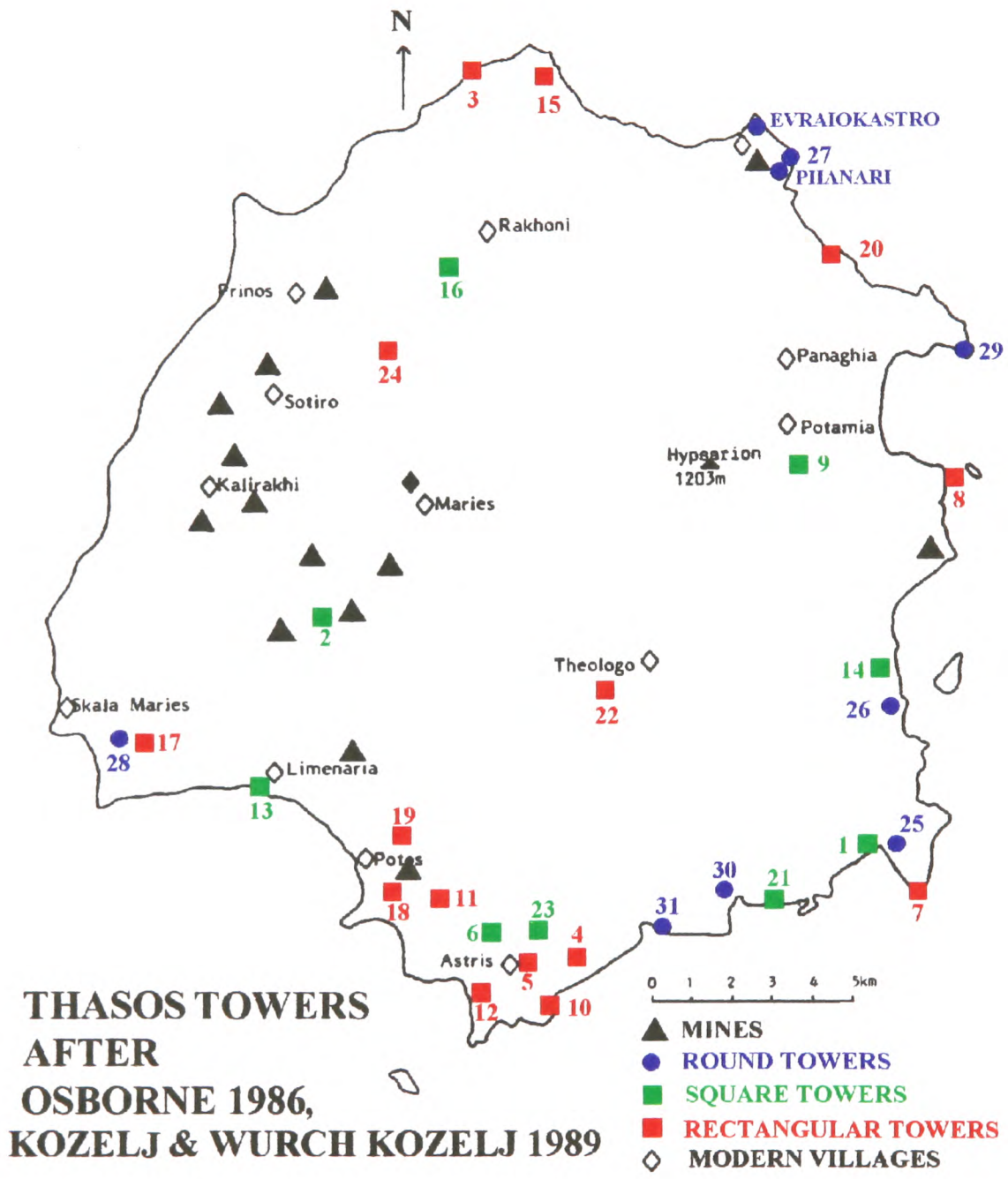
APPENDIX 2:5

APPENDIX 2.5: LESBOS TOWERS

LOCATION	SITE	P	Mat	Mas	Floors	Ent	Ext Dim (m)	Int Dim (m)	Block Width (m)	Extant H (m)	Structures	Location	Masl	Date
Xirokastrini	**Spencer 1995 site 122**	□		IS	-		8.2 x 7.1				0.13 km from 80m Lesbian masonry wall		220	H
Lapedia	**Spencer 1995 site 128**	□		IS; clamp	-		11 x 9.2				(later ?) *mandri*		270	H
Apothiki	**Spencer 1995 site 130**	□		IS	-		-				house foundations ?		15	H
Makara	**Spencer 1995 site 131 1st tower**	□		IS	-		9.3 x 9				graves, building foundations, well nearby		40	H
Makara	**Spencer 1995 site 131 2nd tower**	□		IS	-		8.6 x ?				(later) *mandri*		40	H
Makara	**(Spencer 1995 site 131 3rd tower)**	□		P; C	-		?				enclosure ca 25m x 13m around tower, cistern		40	
Krousos	**Spencer 1995 site 134**	□		IS	-		9.25 x 8.7			1-1.5			10	H
Kusu-Mandrassi	**Spencer 1995 site 149**	□		IS	-		-							H
Oikia	**Spencer 1995 site 151 1st tower**	□		IS	-					F	old *mandri* and threshing floor nearby		200	H
Oikia	**Spencer 1995 site 151 2nd tower**	□		IS	-	S ?	8.3-9 x 7-8.3	W			old *mandri* and threshing floor nearby		200	H
Batousa	**Spencer 1995 site 168**	□		L	-	n/a	n/a	n/a	n/a	n/a	traces of other structures	hill spur	280	A
Kourouklos	**Spencer 1995 site 178**	□		P; C	-	SW	8 x ?			2		mountain	?	A/C (?)
Tyrrani	**(Spencer 1995 site 180)**	□		P; C	-		11.5 x 9.5	W	1.15			mountain	420	A/C (?)
Pyrgi	**Spencer 1995 site 181: possible tower ?**	□		P; C	-		-	W		F	-	spur	?	A/C (?)
Kladomantri	**Spencer 1995 site 182 reported tower**	□		IS	-		15 x 10		0.7		ancient buildings, well	hill	?	A
Kladomantri	**Spencer 1995 site 182 possible tower ?**	O		L	-	S; G; J	8							
Koja Dag	**Spencer 1995 site 193 1st tower**	□		L	-		14 x 10.5		~1.5		2 towers in Lesbian masonry enclosure wall	hill slope	380	A
Koja Dag	**Spencer 1995 site 193 2nd tower**	□		L	-		9 x 6		~1.5		2 towers in Lesbian masonry enclosure wall	hill slope	380	A
Selles	**Spencer 1995 site 205**	□		L	-		11 x 6.5			1-2 C	tiles by tower; irregular Lesbian masonry enclosure		110	A
Drakou Pidima	**Spencer 1995 site 235: possible tower ?**	□ ?		IS	-						(later ?) tower in Lesbian polygonal masonry enclosure		250	A/C/H
Ayia Sotira	**Spencer 1995 site 237: possible tower ?**	□ ?		IS ?	-	-	-			F	Lesbian masonry enclosure wall c. 1m thick		170	C/H

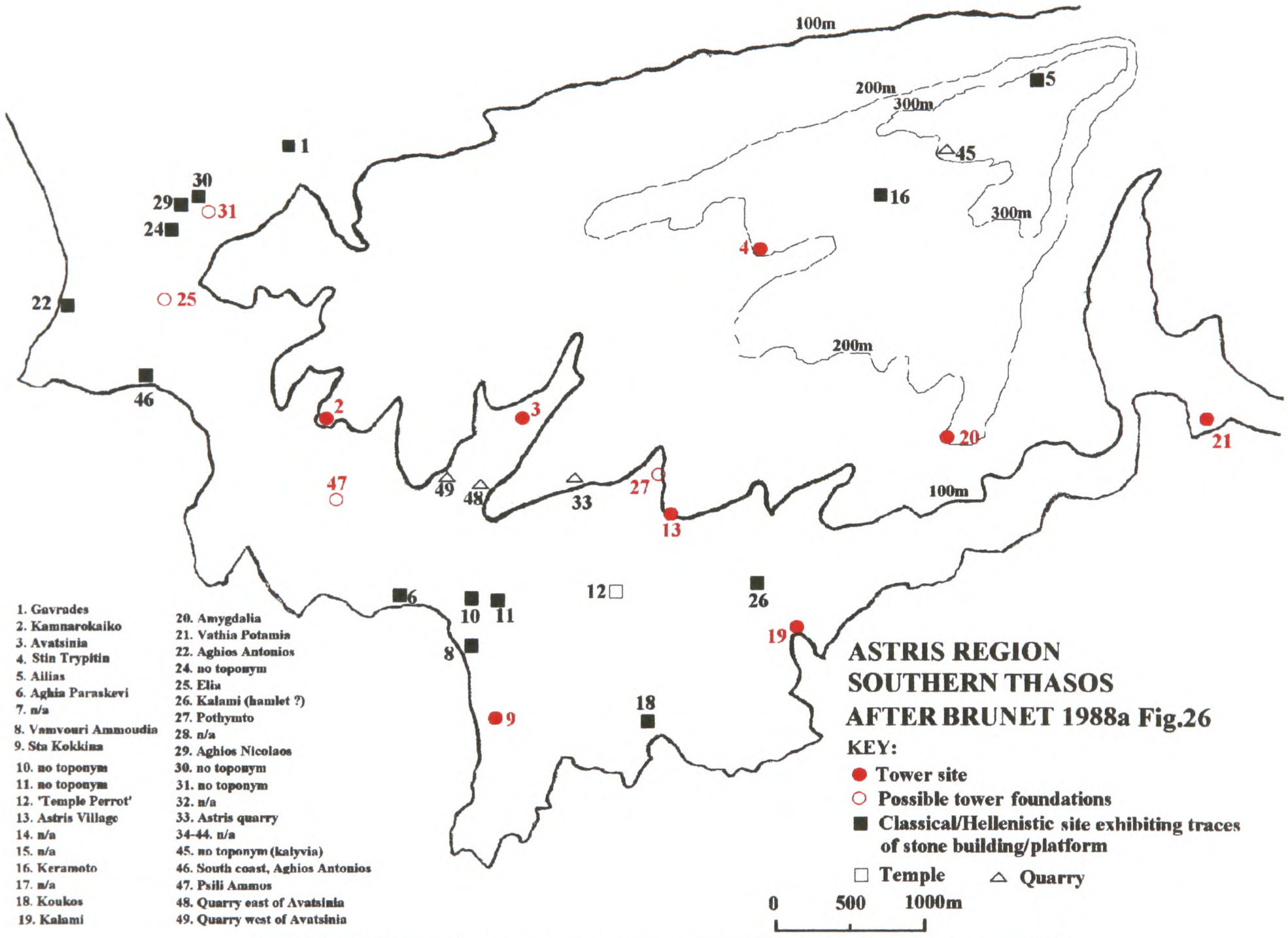
APPENDIX 2.5: LESBOS TOWERS

LOCATION	SITE	REFERENCES
Xirokastrini	**Spencer 1995 site 122**	Koldewey 1890: 30-31; Kontis 1978; Spencer 1995
Lapedia	**Spencer 1995 site 128**	Koldewey 1890: 62, 87; Spencer 1995
Apothiki	**Spencer 1995 site 130**	Koldewey 1890: 43-44; Spencer 1995
Makara	**Spencer 1995 site 131 1st tower**	Koldewey 1890: 38, 62, 87; Kontis 1978: 333-35; Spencer 1995: 28-9
Makara	**Spencer 1995 site 131 2nd tower**	Koldewey 1890: 38, 62, 87; Kontis 1978: 333-35; Spencer 1995: 28-9
Makara	**(Spencer 1995 site 131 3rd tower)**	Charitonidis 1961-2: 265; Spencer 1995: 28-29
Krousos	**Spencer 1995 site 134**	Koldewey 1890: 62, 87; Kontis 1978: 333; Spencer 1995: 29
Kusu-Mandrassi	**Spencer 1995 site 149**	Koldewey 1890: 62; Kontis 1978: 330; Koumarelas 1995: 41, 45
Oikia	**Spencer 1995 site 151 1st tower**	Koldewey 1890: 62; Kontis 1978: 330; Axiotis 1992: 470-1, 474
Oikia	**Spencer 1995 site 151 2nd tower**	Koldewey 1890: 62; Kontis 1978: 330; Axiotis 1992: 470-1, 474
Batousa	**Spencer 1995 site 168**	Axiotis 1992 I: 409; Spencer 1995: 36
Kourouklos	**Spencer 1995 site 178**	Kontis 1978: 330-1; Axiotis 1992 I: 450, 460
Tyrrani	**(Spencer 1995 site 180)**	Kontis 1978: 315; Axiotis 1992 I: 421-2, 425-7
Pyrgi	**Spencer 1995 site 181: possible tower ?**	Axiotis 1992 I: 451
Kladomantri	**Spencer 1995 site 182 reported tower**	Axiotis 1992 I: 451
Kladomantri	**Spencer 1995 site 182 possible tower ?**	Axiotis 1992 I: 424-5; II pl.93
Koja Dag	**Spencer 1995 site 193 1st tower**	Kontis 1978: 311; Axiotis 1992 I: 383-4
Koja Dag	**Spencer 1995 site 193 2nd tower**	Kontis 1978: 311; Axiotis 1992 I: 383-4
Selles	**Spencer 1995 site 205**	Charitonidis 1961-2: 265; Kontis 1978: 282; Axiotis 1992 I: 276-7
Drakou Pidima	**Spencer 1995 site 235: possible tower ?**	Kontis 1978: 291-2; Spencer 1995: 48-49
Ayia Sotira	**Spencer 1995 site 237: possible tower ?**	Axiotis 1992 I: 188-9; Spencer 1995: 49
	+ over 30 other A/C/H rural structures,	
	enclosures (possible towers):	
	Spencer 1995: sites 89, 121, 123, 126, 127,	
	129, 141, 144, 145, 162, 165, 166, 175, 177,	
	183, 184, 187, 190, 192, 194, 195, 198 (?),	
	201, 202, 212, 214, 219, 221, 222, 232	
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		Kontis, G.D. (1978) Λέσβος καὶ ἡ μικρασιατικὴ τῆς περιοχή. Athens.
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THASOS TOWERS AFTER OSBORNE 1986, KOZELJ & WURCH KOZELJ 1989

APPENDIX 2.6



APPENDIX 2.6 *Astris -region of southern Thasos after Brunet 1988a*

APPENDIX 2.6: THASOS TOWERS

							Ext	Int	Block	Extant				
LOCATION	**SITE**	**P**	**Mat**	**Mas**	**Floors**	**Ent**	**Dim (m)**	**Dim (m)**	**W (m)**	**H (m)**	**Location**	**Masl**	**Date**	**Other Features**
Ayios Nikolaos	**Osborne 1986 App. no. 1**	□			n/a		10 x 10			1 C	cliff; A			sherds, press bed nearby; stream
Ayios Vassilis	**Osborne 1986 App. no. 2**	□	G				10 x 10			1 C	A			sherds; stream
Akrotiri	**Osborne 1986 App. no. 3**	□					n/a				cape; G			n/a
Amygdalia	**Osborne 1986 App. no. 4**	□	M				8 x 7.5			2	hill ridge; A	200		sherds; (recent) terraces
Astris	**Osborne 1986 App. no. 5**	□		T			11.6 x 9.9				hill slope; A			-
Avatsinia	**Osborne 1986 App. no. 6**	□		W		S;G	8 x 8				G; A below	60		enclosure 25m x 23m; spring nearby
Babouras	**Osborne 1986 App. no. 7**	□					n/a				cape			n/a
Gravousa	**Osborne 1986 App. no. 8**	□					10.3 x 6.3			F	cape; G			sherds; enclosure
Helleniko	**Osborne 1986 App. no. 9**	□		A			9.6 x 9.6				A		4th/3rd	stream
Kalami bay	**Osborne 1986 App. no. 10**	□		A/T; PS-IS			n/a				A		4-3rd	6th-sherds; 4th-C rock cut inscriptions
Kaminorokhafko	**Osborne 1986 App. no. 11**	□					~13 x 10			1+	A	108		adjacent enclosure 26 m x 13 m; 30m south enclosure 14.7 x 14.7m; trachyte
Kokkina	**Osborne 1986 App. no. 12**	□	C				14 x 9			F	A	90		
Limenaria	**Osborne 1986 App. no. 13**	□					9 x 9				?			
Loutro	**(Osborne 1986 App. no. 14)**	□					7 x 7				A			n/a
Mamara	**Osborne 1986 App. no. 15**	□					n/a				?			n/a
Ovraio	**Osborne 1986 App. no. 16**	□		IRR			9.4 x 9.4				F			(medieval) village settlement
Phari	**Osborne 1986 App. no. 17**	□					9.4 x 9.4				peak; A			(ancient) terraces; sherds
Potos	**Osborne 1986 App. no. 18**	□					17.8 x 16.3			n/a	hill slope			n/a
Potos	**Osborne 1986 App. no. 19**	□					9.9 x 8.8			n/a	?			n/a
Saliari	**Osborne 1986 App. no. 20**	□					10.2 x 9.9			2	A			stairway; terraces; quarry ?
Skhidia bay	**Osborne 1986 App. no. 21**	□					9 x 9			2	A			courtyard ? quarry ? wall, enclosure 20m x 10m nearby
Theologo	**Osborne 1986 App. no. 22**	□					13.5 x 10.8				hill slope			
Stin Trypiti	**Osborne 1986 App. no. 23**	□	M	T; RC			8 x 8			1+	hill slope; G; A below	220		terraced court 26m x 18m; grinding implement+R3
Tsouknidha	**Osborne 1986 App. no. 24**	□	G	PS-IS			8.8 x 8			7 C+	A			sherds (amphoras)
Ayios Nikolaos	**Osborne 1986 App. no.25**	O					~10				cliff; A			
Loutro	**Osborne 1986 App. no. 26**	O					~10				hill slope			
Phanari Cape	**Osborne 1986 App. no. 27**	O	gM	A; PS-IS	G	no	3.5	S	0.3-0.5	2; 6C	coast	0	6th ?	masonry quarried nearby; blocks scatted over 40m radius
Phanari	**possible tower ?**	O		A/T; W	-		~3.6		0.2	2C	A		C ?	blocks reused in retaining wall for olive trees; ancient extractive industry nearby
Phari	**Osborne 1986 App. no. 28**	O					9				peak; A			n/a
Pyrgos Cape	**Osborne 1986 App. no. 29**	O	gM	A; PS-IS	G	no	5			2.7; 7C	cape	100	6th ?	Akeratos inscription (*IG* 12.8.683)
Thymonia	**Osborne 1986 App. no. 30**	O	M	A; IS/PS-IS			~20			3	G; A below			terrace (courtyard) wall; C sherd scatter; Artemis inscription; quarries
Vathy Potamia	**Osborne 1986 App. no. 31**	O		A; IS			7.6			3 C	A	50		(courtyard); sherds
Thasos port	**(Evraiokastro)**	O	gM	A; W	-		~2.9		0.3	-	cape	10	C ?	blocks reused in church; medieval fortress

APPENDIX 2.6: THASOS TOWERS

LOCATION	SITE	REFERENCES
Ayios Nikolaos	**Osborne 1986 App. no. 1**	Baker-Penoyre 1909: 235; Bon 1930: 162
Ayios Vassilis	**Osborne 1986 App. no. 2**	Baker-Penoyre 1909: 245; Bon 1930: 171
Akrotiri	**Osborne 1986 App. no. 3**	*BCH* **85** (1961): 940
Amygdalia	**Osborne 1986 App. no. 4**	Baker-Penoyre 1909: 243; Bon 1930: 165
Astris	**Osborne 1986 App. no. 5**	Conze 1860: 34; Baker-Penoyre 1909: 242; Bon 1930: 164
Avatsinia	**Osborne 1986 App. no. 6**	Conze 1860: 34; Baker-Penoyre 1909: 242; Bon 1930: 165; Brunet 1988: 172-3
Babouras	**Osborne 1986 App. no. 7**	Osborne 1986: 176
Gravousa	**Osborne 1986 App. no. 8**	Bon 1930: 160-1
Helleniko	**Osborne 1986 App. no. 9**	Conze 1860: 28; Baker-Penoyre 1909: 233; Bon 1930: 155-61
Kalami bay	**Osborne 1986 App. no. 10**	Garlan & Masson 1982: 19-21
Kaminorokhaïko	**Osborne 1986 App. no. 11**	Conze 1860: 34; Baker-Penoyre 1909: 242; Bon 1930: 165; Brunet 1988: 170-1
Kokkina	**Osborne 1986 App. no. 12**	Baker-Penoyre 1909: 243; Osborne 1986: 177
Limenaria	**Osborne 1986 App. no. 13**	Conze 1860: 30; Fredrich 1908: 240.
Loutro	**(Osborne 1986 App. no. 14)**	Baker-Penoyre 1909: 234; Bon 1930: 162
Mamara	**Osborne 1986 App. no. 15**	Baker-Penoyre 1909: 229
Ovraio	**Osborne 1986 App. no. 16**	Bon 1930: 175-7
Phari	**Osborne 1986 App. no. 17**	Bon 1930: 169-70
Potos	**Osborne 1986 App. no. 18**	Conze 1860: 34
Potos	**Osborne 1986 App. no. 19**	Conze 1860: 35
Saliari	**Osborne 1986 App. no. 20**	Bon 1930: 151-2
Skhidia bay	**Osborne 1986 App. no. 21**	Baker-Penoyre 1909: 240; Bon 1930: 163
Theologo	**Osborne 1986 App. no. 22**	Bon 1930: 165-7
Stin Trypiti	**Osborne 1986 App. no. 23**	Baker-Penoyre 1909: 242; Bon 1930: 165; Brunet 1988: 173-4
Tsouknidha	**Osborne 1986 App. no. 24**	Conze 1860: 40; Baker Penoyre 1909: 245; Bon 1930: 174
Ayios Nikolaos	**Osborne 1986 App. no.25**	Baker Penoyre 1909: 235; Bon 1930: 163
Loutro	**Osborne 1986 App. no. 26**	Baker Penoyre 1909: 234; Bon 1930: 162
Phanari Cape	**Osborne 1986 App. no. 27**	Bon 1930: 151; Kozelj & Wurch-Kozelj 1989: 161-72
Phanari	**possible tower ?**	Kozelj & Wurch-Kozelj 1989: 180-1
Phari	**Osborne 1986 App. no. 28**	Conze 1860: 38
Pyrgos Cape	**Osborne 1986 App. no. 29**	Baker Penoyre 1909: 231; Bon 1930: 154; Kozelj & Wurch-Kozelj 1989: 172-5
Thymonia	**Osborne 1986 App. no. 30**	Conze 1860: 32; Baker Penoyre 1909: 240; Bon 1930: 164; Osborne 1986 pl. 8a
Vathy Potamia	**Osborne 1986 App. no. 31**	Conze 1860: 32; Baker Penoyre 1909: 241; Bon 1930: 164
Thasos port	**(Evraiokastro)**	Kozelj & Wurch-Kozelj 1989: 175-80
Astris (Kamnarokaiko)	**Brunet 1988 no.2**	
	+ other rural structures	
	Osborne 1986 App. nos. 32-36	
	Brunet 1988 nos.25, 27, 31, 47	**BIBLIOGRAPHY**
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APPENDIX 2.7: AEGEAN ISLAND TOWERS

REGION	LOCATION	SITE	P	Mat	Mas	Floors	Ent	Ext Dim (m)	Int Dim (m)	Block Width (m)	Ext. H (m) Courses	Location	Masl	Date
AEGINA	south tip	Pyrgos	O	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	coast	n/a	n/a
	northern coast	Rapana	O	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	coast	n/a	n/a
	northern coast	Nisida	O	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	coast	n/a	n/a
	Cape Turlo	Pyrgazi	O	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	coast	n/a	n/a
	Vaghia		O	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	coast	n/a	n/a
	no published reports													
ASTYPALAIA	Vathi	-	□	n/a	irr C	n/a	n/a	14 x 14	n/a	1.1	n/a	bay		C-H ?
CHIOS	south Chios	Pindakas	?	L	P	-	-	-				hill		C-H
	south Chios	Skaphi	□	n/a	n/a	-	E	~16 x 9		1		plain		H-R
	south Chios	Kerathimi	?	-	-	-	-	n/a				plain		H
	south Chios	Ayia Ermione	?	-	-	-	-	-				plain		H
	south Chios	Armolia	?	-	-	-	-	-				plain		C/R
	south-west Chios	Pigi ?	?	-	-	-	-	-				hill		C-H
	south Chios	Ayios Giorgios	□	n/a	-	-	-	-				hill		C-H
	central Chios	Nea Moni	?		W	-	-					hill		C ?H
	west Chios	Metochi	□?	n/a	-	-	-	-						?C
	north-west Chios	Leukathia	□?	n/a	n/a	-	n/a	n/a				coast		?C
	north-west Chios	Viki	□?	n/a	W; B	-	n/a	n/a				ridge		C-H
	north-east Chios	Vroulidia	□	L	n/a	-	-	n/a				coast		?H
	north-east Chios	Delphinion	□									hill; coast		?C-H
	north-east Chios	Kolla	□?	n/a	W	-	-	-				hill		?C
	north-east Chios	Paraldi	□		P		S; 2m w	4 x 4	n/a			coast		C-H
	north-east Chios	Erimokastro	□	L		-	-					hill		C-H
DELOS	northern promontory	Patinioti	□	G	irr	-	-	6 x 5.25	~5 x 4.25	0.5	1.3m (2C)	coast	n/a	?
	east coast	Cape Sykia	□	?	?	-	-					coast	n/a	
	southern promontory	Kheronisos	□	G	?	-	-	9 x 8.5	7.8 x 7.3	0.6	4C	coast	n/a	
EUBOIA	Karystos	site 6	?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?
		site 119	?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?
IKARIA	Drakanon	Fanari	O	L	A/T; PS-IS	G + 2	G + 1st (arches)	8	~7	~1	13.2	A		LC
IOS	Psati	Pyrgos	□		DM	G + U	G; bolt holes	9 x 8.5	8.8 x 8.3	0.2	n/a	plateau; A	~100	C-H ?
	Ayios Dimitrios	Psaropyrgos	?	M	n/a	n/a	n/a	n/a	n/a	n/a	n/a			C-H ?
KALYMNOS	Emporio	Kastri	□	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	hillslope	100	C-H ?
	Embolos	Phylaki	□	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			H
KARPATHOS	Potidaion	Pigadhia	□		P			n/a	n/a			akropolis		
KRETE	Ayiopharango	site W5 tower ?	□	L	n/a	-	-	6.25 x 5	5.5 x 4.25	0.75				H
	Vlithias		O					7						
KYTHNOS	Messaria		O	S		G + U		8+			4			C-H ?
LEROS	Xerokambos		□					7 x 6		1	6-7C	bay		4th ?
	Partheni		□					8.5 x 8.5				bay		4th ?
MELOS	Cherry 1982 site 77	Stoloi	□		C; W	G		8 x 7			3C	A; valley	110	A/C

APPENDIX 2.7: AEGEAN ISLAND TOWERS

REGION	LOCATION	SITE	OTHER FEATURES	REFERENCES
AEGINA	south tip	**Pyrgos**	n/a	map of H. Thiersch in Furtwängler 1906 I
	northern coast	**Rapana**	n/a	map of H. Thiersch in Furtwängler 1906 I
	northern coast	**Nisida**	n/a	map of H. Thiersch in Furtwängler 1906 I
	Cape Turlo	**Pyrgazi**	n/a	map of H. Thiersch in Furtwängler 1906 I
	Vaghia		n/a	map of H. Thiersch in Furtwängler 1906 I
	no published reports			
ASTYPALAIA	Vathi	-	(later?) courtyard wall 23m x 20m; terrace walls	Dawkins & Wace 1905-1906: 155-7; Hope Simpson & Lazenby 1973: 166
CHIOS	south Chios	**Pindakas**	upper and lower terrace walls approx 35m x 35m; no ground plan of buildings	Boardman 1958-9; Yalouris 1976: 201-5
	south Chios	**Skaphi**	tiles	Yalouris 1976: 209
	south Chios	**Kerathini**	building terrace walls	Boardman 1958-9: 301; Yalouris 1976: 210
	south Chios	**Ayia Ermione**	building terrace walls	Boardman 1958-9: 302; Yalouris 1976: 223
	south Chios	**Armolia**	building foundations	Yalouris 1976: 236-8
	south-west Chios	**Pigi ?**	building terrace walls	Yalouris 1976: 228-9
	south Chios	**Ayios Giorgios**	terrace walls, rectangular building foundations	Yalouris 1976: 244-5
	central Chios	**Nea Moni**	terrace walls; building foundations; well 75 m northwest	Yalouris 1976: 249
	west Chios	**Metochi**	building foundations	Yalouris 1976: 257-9
	north-west Chios	**Leukathia**	terrace walls; house ?	Yalouris 1976: 264-5
	north-west Chios	**Viki**	courseware; tiles;	Yalouris 1976: 271
	north-east Chios	**Vrouldia**	building foundations; stone press c.1m^2	Yalouris 1976: 276-7
	north-east Chios	**Delphinion**	outbuildings	Boardman 1956; Yalouris 1976: 278-80
	north-east Chios	**Kolla**		Yalouris 1976: 281-2
	north-east Chios	**Parakli**	terrace wall with stone spout; adjoining walls; stone press fragments; well 30m north	Yalouris 1976: 285-6
	north-east Chios	**Erimokastro**	adjacent enclosure ~ 30m x 30m; tiles; couseware; well 30m north	Yalouris 1976: 291-3
DELOS	northern promontory	**Patinioti**	two adjoining buildings: 4 x 3.3m, 4.5 x 3.6m; amphora sherds	Bruneau 1979: 99-104
	east coast	**Cape Sykia**	building complex of four adjacent rooms (4.5 x 1.5m, 4.2 x 3m, 2.25 x 1, 6.5 x 5.3m)	Bruneau 1979: 99-104
	southern promontory	**Kheronisos**		Bruneau 1979: 99-104
EUBOIA	Karystos	**site 6**		Keller 1985: 203, 210-211
		site 119		Keller 1985: 203, 210-211
IKARIA	Drakanon	**Fanari**	enclosure circuit 60m x 25m	Papalas 1992: 93-97
IOS	Psati	**Pyrgos**		Ross 1840: 141; Bent 1965: 160
	Ayios Dimitrios	**Psaropyrgos**	graves	Philippson 1901: 94
KALYMNOS	Emporio	**Kastri**	buildings; oil press	Paton 1894: 376; Paton & Myres 1896: 214
	Embolos	**Phylaki**		Hope Simpson & Lazenby 1962: 173
KARPATHOS	Potidaion	**Pigadhia**		Dawkins 1903-4: 184
KRETE	Ayiopharango	**site W5 tower ?**	adjacent building complex 23m x 6m; tomb (?); foundations nearby; H sherds	Blackman & Branigan 1977: 53-6
	Vlithias		joined to cliff by wall 14m in length	Savignoni 1901 *Mon. Ant.* 11: 114
KYTHNOS	Messaria			Ross 1840: 120-1; Bent 1965: 440
LEROS	Xerokambos		courtyard	Ross 1841: 118; Dawkins & Wace 1905-6: 173 Figs. 17-8; Bean & Cook 1957: 117 Fig.14
	Partheni		courtyard with 70m wall	Dawkins & Wace 1905-6: 172 Fig.16
MELOS	**Cherry 1982 site 77**	Stoloi	courseware (*pithoi*); fallen masonry; (Roman) quarries nearby	Cherry 1983: 304

APPENDIX 2.7: AEGEAN ISLAND TOWERS

REGION	LOCATION	SITE	P	Mat	Mas	Floors	Ent	Ext Dim (m)	Int Dim (m)	Block Width (m)	Ext. H (m) Courses	Location	Masl	Date
MYKONOS	Lino	Ayia Marina	O	G	IS			10	9	1	2	hill; A		H
	Lino	second tower	O	S				3.65	2.9	0.75				H
	Ayia Marina	Stis Portes	□	G	C; DM		E; J, T	8.5 x 8.5	~7.9 x7.9	0.6-0.8		A		H
NAXOS	Kheimarrou		O	M/L	A; PS-IS	G + 3	SSW; G; 2m x 1.3m x 1.3m	9.2	7.1	1.1	14.9	hillslope		4th
	Plaka		□	G	A/T; IS;DM	G + U		12.2 x 12.2	9.6 x 9.6	1.3	~10 (17C)	knoll; A		
	Sangri	Ebene	O		W			8						
		Ayia Paraskevi												
PACHIA			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
PAROS	Naussa	Palaiopyrgos	O				SW; arch 1.8m h x 1m w	10	7.9					4th
	Drios		O					8.5				coast		
	Drios		O					5				coast		
PEPARETHOS	Mavragani		O			G + U		~8		1.1	1.9			
	Helleniko		O				G + 1	9.1	c		2	coast		
	Prionnos		O					6	4.8	0.6		coast	0	
	Sindika		□					15 x 9				coast	0	4th
PERGOUSA			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
RHENEIA	Palia Vardhia	Chaironeia	□					12 x 12				hilltop		H
	+ OTHERS													
SAMOS	Eastern Lowlands	Misokambos	□									plain	20	H
		+ possible towered sites												
	North-West	Xirokambos	□											
	North-West	Neo Karlovasi												
SERIPHOS	Kyklopas	Aspropyrgos	O	wM	A; IS; bs		SE; G; 1.1m w	8.6	6.4	1.1	>4	hillslope		H
	Psaropyrgos		O ?											H
	Mega Livadi	Mesa Akrotiri	□	G	bs		S; G; 1.2m w	8.5 x 7				ridge		
SIKINOS		Ayia Marina												
SKIATHOS	Athanasios		O					8		1				
SKYROS	Ayios Phokas		O	M				8.4						
	+ OTHERS													
TELOS	Kastello		□		irr			n/a				knoll		
TENOS	Ayios Ioannis	Smovolon	O	M	T; PS-IS; bs	G + 1	1st ?	6.9	4.3	1.3	6			4th/3rd
TENOS	Anargyros	tower 1	□					7.5 x 7.5						
TENOS	Anargyros	tower 2	□					5 x 5						
TENOS	Avdho		□	M	irr T/PS-IS	G + 1	S; G; 1.5m h	6.1 x 6.1	4.9 x 4.9	1.2	3	hill slope		
TENOS	Glyphar	Elliniko	□					7.1						
TENOS	Glyphar	Palaiopyrgos	□					7.5 x 7.5						
TENOS	Stavros		?											
TENOS	Ayia Marina		?											

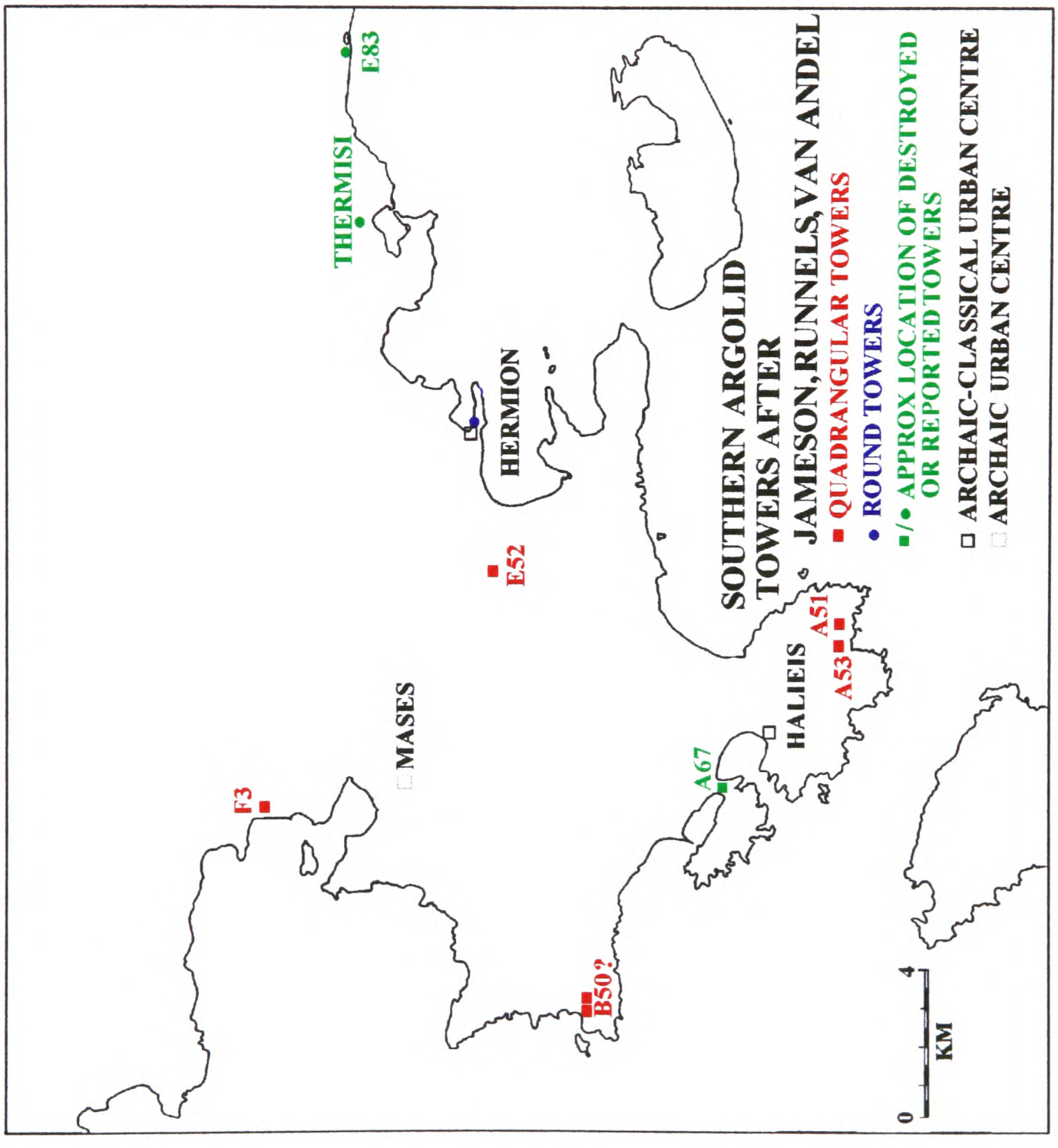
APPENDIX 2.7: AEGEAN ISLAND TOWERS

REGION	LOCATION	SITE	OTHER FEATURES	REFERENCES
MYKONOS	Lino	**Ayia Marina**	enclosure wall; adjacent building	Möbius 1925: 39-41
	Lino	**second tower**	door holes	Möibius 1925: 42
	Ayia Marina	**Stis Portes**		Möibius 1925: 43
NAXOS	Kheimarrou		corbelled staircase; courtyard 35m x 35m; (olive ?) press block	Haselberger 1972; 1983: 7-56
	Plaka		graves; quarry nearby	Bent 1965: 370-1; Haselberger 1983: 57
	Sangri	**Ebene**		Haselberger 1983: 58
		Ayia Paraskevi		Haselberger 1983: 58; AA 1982: 167; *BCH* 1982: 605
PACHIA			n/a	Dawkins & Wace 1905-6: 171
PAROS	Naussa	**Palaiopyrgos**	press-block	Haselberger 1978
	Drios		ancient quarries nearby	Rubensohn 1901: 173; Haselberger 1978: 347
	Drios		ancient quarries nearby	Rubensohn 1901: 173; Haselberger 1978: 348
PEPARETHOS	Mavragani		enclosure wall 13.1 x 17.8 x 20 x 17m; 5 mins from Helleniko tower	Fredrich 1906a: 125
	Helleniko		5 mins from Mavragani tower	Fredrich 1906a: 126
	Prionnos			Fredrich 1906a: 125, 128
	Sindika			Fredrich 1906a: 128 n.2
PERGOUSA			n/a	Dawkins & Wace 1905-6: 171
RHENEIA	Palia Vardhia	**Chaironeia**		Kent 1948: 251 Fig.4
	+ OTHERS			
SAMOS	Eastern Lowlands	**Misokambos**		Wrede 1929
		+ possible towered sites		
	North-West	**Xirokambos**	dense sherd scatters; rubble	Shipley 1987: 258
	North-West	**Neo Karlovasi**		Shipley 1987: 255-6
SERIPHOS	Kyklopas	**Aspropyrgos**	enclosure wall 25m; terrace walls; mines nearby	Ross 1840: 136; Evangelidis 1909: 74-6; Bent 1965: 19-20; Haselberger 1983: 157
	Psaropyrgos			Evangelidis 1909: 74-6; Nowicka 1975: 49; Haselberger 1983:
	Mega Livadi	**Mesa Akrotiri**	rectangular enclosure 20m x 10m; cistern 10m NE	Haselberger 1983: 157 Fig.11, photos 99-100
SIKINOS		**Ayia Marina**		Admiralty Map nr.2753 (1847/8)
SKIATHOS	Athanasios			Friedrich 1906a: 104
SKYROS	Ayios Phokas		enclosure wall	Fredrich 1906b: 278
	+ OTHERS			
TELOS	Kastello		adjoining wall	Dawkins & Wace 1905-6: 163
TENOS	Ayios Ioannis	**Smovolon**	inscription *IG* XII 5, 33 *in situ*	Demoulin 1903: 258-9; Maier 1959: 163-6; Étienne 1990: 31-3
TENOS	Anargyros	**tower 1**	~50 m north from tower 2	Weil 1877: 63
TENOS	Anargyros	**tower 2**	wall; courtyard ?; 50m south from tower 1	Weil 1877: 63
TENOS	Avdho		window in west	Ross 1840: 13; Weil 1877: 62; Demoulin 1903: 258; Scranton 1941: 168; Étienne 1990: 33-4
TENOS	Glyphar	**Elliniko**		Weil 1877: 62
TENOS	Glyphar	**Palaiopyrgos**		Weil 1877: 63
TENOS	Stavros			Bent 1965: 264
TENOS	Ayia Marina			Philippson 1901: 28

APPENDIX 2.7: AEGEAN ISLAND TOWERS

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APPENDIX 3: ARCHITECTURE AND TOPOGRAPHY OF OTHER RURAL TOWERS IN MAINLAND GREECE AND THE MEDITERRANEAN



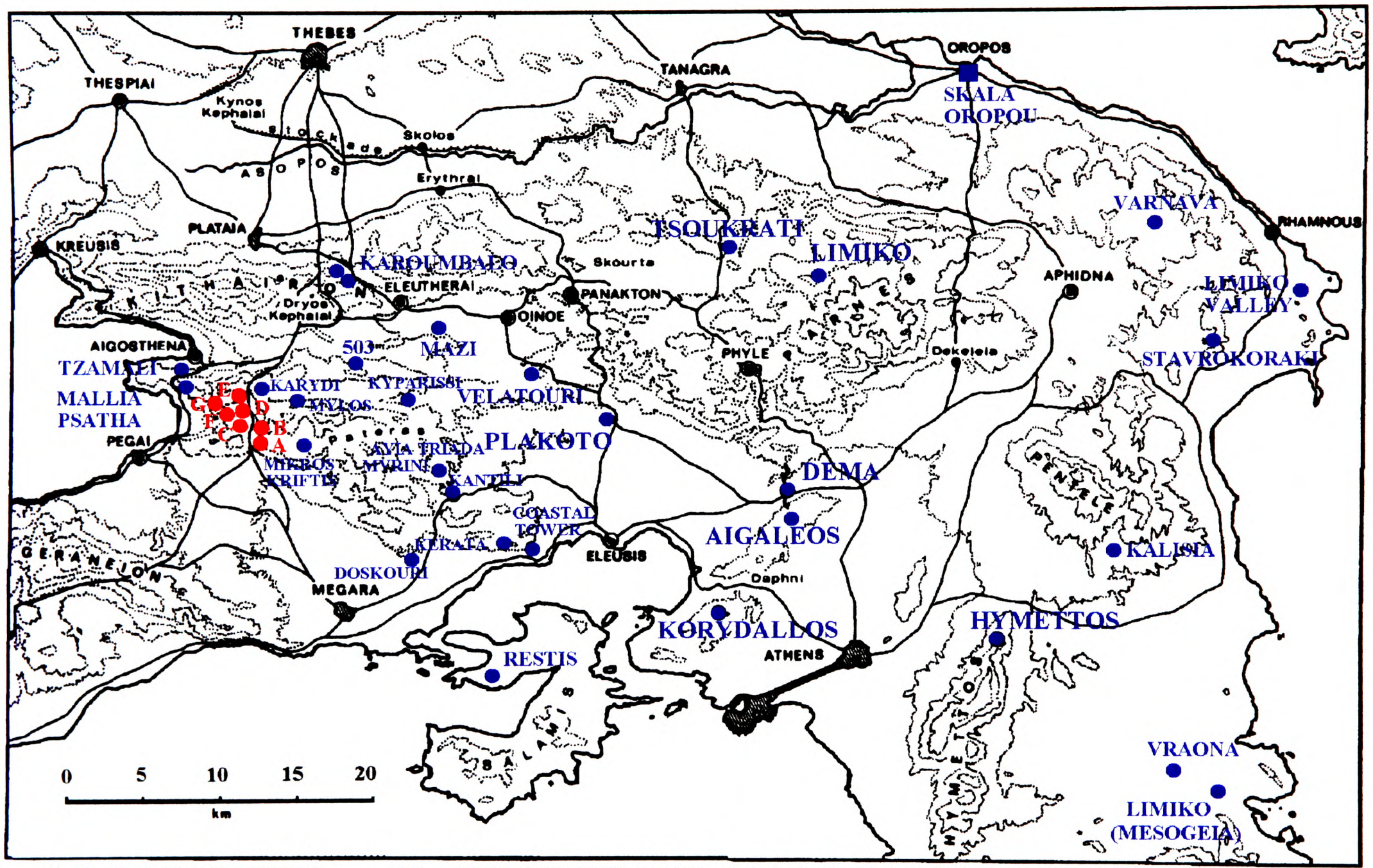
APPENDIX 3.1

APPENDIX 3.1: ARGOLID

	SOUTHERN ARGOLID						Ext	Int	Block	Ext. H (m)				
LOCATION	SITE	P	Mat	Mas	Floors	Ent	Dim (m)	Dim (m)	Width (m)	Courses	Location	Masl	Date	Other Features
Metokhi	**A51**	□	L	C; W	-	-	9 x 8	W	n/a	1C	A	15	C-H	rooftiles; courseware; black glaze; 0.3 ha site
Boukouvala	**A53 tower ?**	□	C	C; W	-	-	9.5 x 8	W	n/a	2C	ridge; F	27	(C?)-H	0.01 ha site; walls; roof tiles; pithos, courseware, amphora
Ververonda	**(A67) tower ?**	□	C	A	-	-	n/a	-	n/a	(1.75/6C)	salt lagoon	~0	C-H ?	n/a: re-used in modern building
Korakia	**(B50) tower 1 ?**	□?	n/a	A	-	-	n/a	-	n/a	n/a	A	12	C-H	0.4 ha site; roof tiles; sherds; 53 m from other tower
Korakia	**(B50) tower 2 ?**	□?	n/a	A	-	-	n/a	-	n/a	n/a	A	12	C-H	0.4 ha site; roof tiles; sherds; 53 m from other tower
Thermisi	**(east from E3)**	O	L	A	-	-	-	-	-	(2C)	A	n/a	C-H ?	n/a: site destroyed
Hermion	**near E19 Bisti tower ?**	O	L	T; C	-	n/a	n/a	n/a	n/a	n/a	A	n/a	C-H ?	n/a
Pikrodhafni	**E52**	□	L	W	-	n/a	11 x 8.65	W	n/a	F	A	36	C-H	0.05 ha site; (pithoi), (basin), sherds; press weight ?
Hydra	**E83**	O	L	A	-	n/a	10	n/a	n/a	2	coast	20	C-H ?	Corinthian style roof tiles; pithos
Lambayana	**F3**	□	C	P	G + 1+ m	n/a	11 x 9	W	n/a	3-4C	A	20	H	0.65 ha site; adjoining building
+ other rural structures (possible towers)														
	A35, B33, B89, E27													
Methana	**MS50**	□	L	A; IS	-	E; G	8 x 8	5.9 x 5.9	1.2	2.5m	slope	156	LC	
Methana	**MS66**	□	L?	A/T; PS-IS	-	-	8 x 7.25	~6 x 5	~1	F	slope	44	C-H ?	
Methana	**MS67**	□	L?	T; IS	-	-	8 x 6	~6.6 x 4	0.7-1	3C	plateau	67	LC	akropolis habitation settlement
ARGOLID							**Ext**	**Int**	**Block**	**Ext. H (m)**				
LOCATION	**SITE**	**P**	**Mat**	**Mas**	**Floors**	**Ent**	**Dim (m)**	**Dim (m)**	**Width (m)**	**Courses**	**Location**	**Masl**	**Date**	**Other Features**
Argos-Tegea	**roadside tower: Lord 1939: no.3**	□	n/a	P; C	n/a	n/a	7 x 7 ?	n/a	n/a	n/a	plain; A	n/a	C-H ?	n/a
Mykenai	**station tower: Lord 1939: no.4**	□	C	P; C	G	yes (?) SSE	9.4 x 9.3	~9.4 x 9.3;W	~1	2C	plain; A	n/a	C-H ?	cistern ? mill(stone) ?
Phychthia	**Lord 1939: no.5**	□	C?	P; C	G (+U ?)	n/a	~7 x 7	H	n/a	3C	plain; A	n/a	C-H ?	n/a
Nemea	**Nemea Station Tower: Lord 1939: no.7**	O	n/a	n/a	G (+U ?)	n/a	~12	H	n/a	ramp + 2C	hilltop	n/a	C-H ?	n/a
Ligurio	**Lord 1939: no.12**	O	n/a	C	G (+U ?)	n/a	~12	H	~2.5	F	n/a	n/a	C-H ?	n/a
Nauplion	**Areia**	□	n/a	n/a	n/a	n/a	7.7 x 5.9	H	n/a	n/a	hill ?	n/a	C-H ?	n/a
Kasarma	**Pyrgouli**	□	L ?	irr P; C	G	n/a	n/a	H	n/a	~5C	n/a	n/a	C-H ?	olive press
Lerna	**Lerna Blockhouse**	□	L	P; C	G	E; G	7.1 x 7.1	4P	0.6	2C	plain; A	n/a	C-H ?	millstone in field
Kephalaria	**Kenkhreai Blockhouse**	□	gL	n/a	G (+U ?)	E ? L, T	10.2 x 10.2	H; 4 P	1-1.4	2C	plain; A	n/a	C-H ?	tiles; sherds
Nemea	**Nemea Blockhouse**	□	C	P/A	G	W; G; J, L,T	10.5 x 10.3	9.2 x 9; 4P	~1.1	3; 5-6C	plain; A	n/a	C-H ?	stone press; drain spout; stream nearby

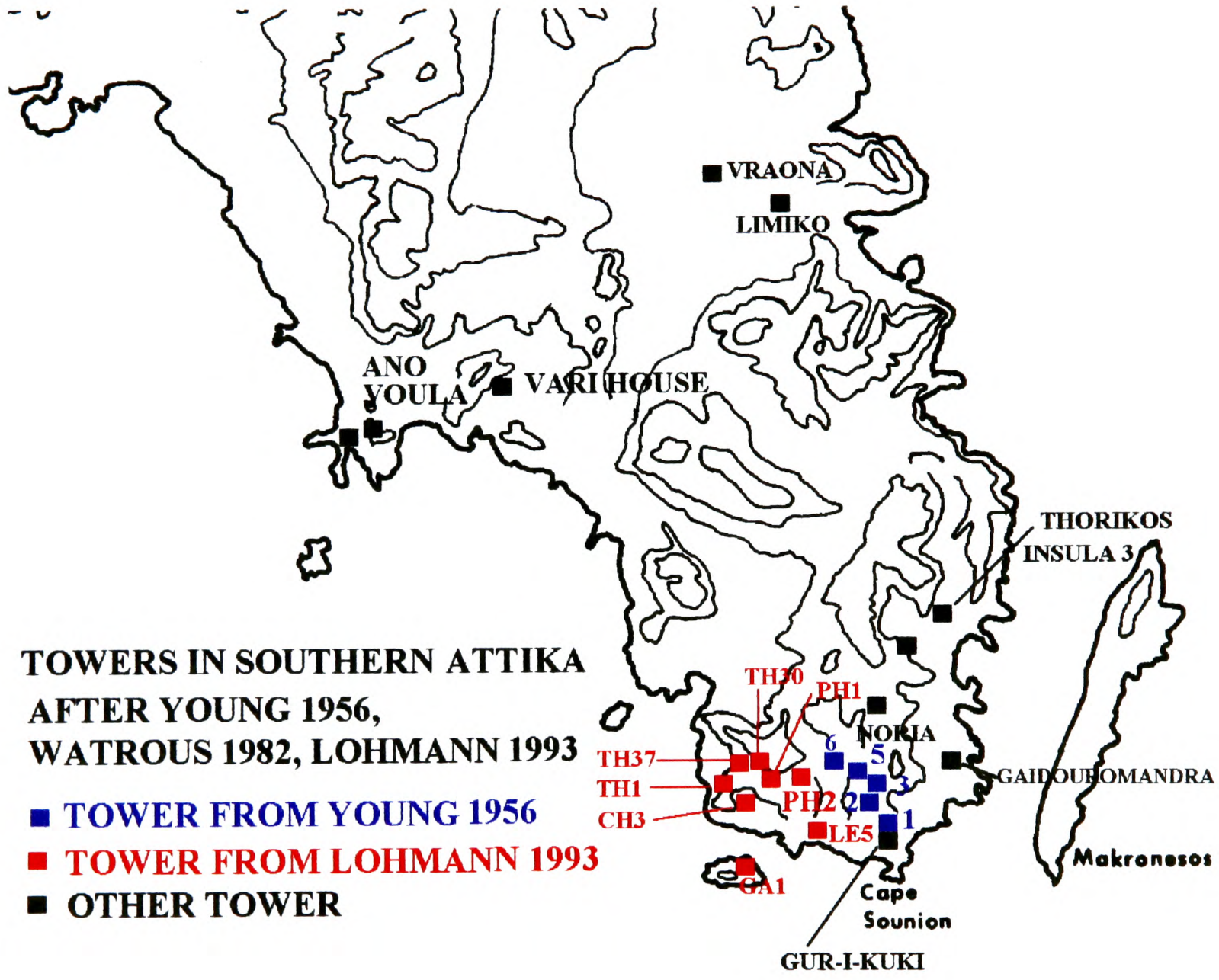
APPENDIX 3.1: ARGOLID

	SOUTHERN ARGOLID	
LOCATION	**SITE**	**REFERENCES**
Metokhi	**A51**	Jameson, Runnels, van Andel 1994: 431-2, Fig. A.1
Boukouvala	**A53 tower ?**	Jameson, Runnels, van Andel 1994: 432-3, Fig. A.2
Ververonda	**(A67) tower ?**	Jameson, Runnels, van Andel 1994: 535 Fig. A.42
Korakia	**(B50) tower 1 ?**	Jameson, Runnels, van Andel 1994: 450-1
Korakia	**(B50) tower 2 ?**	Jameson, Runnels, van Andel 1994: 450-1
Thermisi	**(east from E3)**	Jameson, Runnels, van Andel 1994: 500 Fig. A.31
Hermion	**near E19 Bisti tower ?**	Jameson, Runnels, van Andel 1994: 585 Fig. E.3
Pikrodhafni	**E52**	Jameson, Runnels, van Andel 1994: 496-7, Fig. A.30
Hydra	**E83**	Jameson, Runnels, van Andel 1994: 537
Lambayana	**F3**	Jameson, Runnels, van Andel 1994: 506-8, Figs. A.34-5
+ other rural structures (possible towers)		
	A35, B33, B89, E27	Jameson, Runnels,van Andel 1994
Methana	**MS50**	Mee & Forbes 1997: 137-138
Methana	**MS66**	Mee & Forbes 1997: 146
Methana	**MS67**	Mee & Forbes 1997: 146-147
ARGOLID		
LOCATION	**SITE**	**REFERENCES**
Argos-Tegea	**roadside tower: Lord 1939: no.3**	Lord 1939: 80; 1941: 109; Pecírka 1973: 123
Mykenai	**station tower: Lord 1939: no.4**	Lord 1939: 80; 1941: 93-5
Phychthia	**Lord 1939: no.5**	Lord 1939: 80; Munn 1983: 329-337
Nemea	**Nemea Station Tower: Lord 1939: no.7**	Lord 1939: 80-1 Fig.1
Ligurio	**Lord 1939: no.12**	Lord 1939: 81
Nauplion	**Areia**	*BCH* **79** (1955): 244
Kasarma	**Pyrgouli**	*BCH* **79** (1955): 244, figs.31-2
Lerna	**Lerna Blockhouse**	Lord 1941: 103-9; Young 1956; Pecírka 1973
Kephalaria	**Kenkhreai Blockhouse**	Lord 1939: 80; 1941: 95-103; Young 1956b; Opperman 1972; Pecirka 1973; Munn 1983: 329-337
Nemea	**Nemea Blockhouse**	Lord 1938: 481-96; Munn 1983: 64 n.19, 329-337
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N.ATTIC-MEGARID-BOIOTIAN TOWERS, ROUTES AND PASSES
AFTER HAMMOND 1954, OBER 1985, MUNN 1993

APPENDIX 3.2


TOWERS IN SOUTHERN ATTIKA
AFTER YOUNG 1956,
WATROUS 1982, LOHMANN 1993
TOWER FROM YOUNG 1956
TOWER FROM LOHMANN 1993
OTHER TOWER
VRAONA
LIMIKO
ANO VOULA
VARI HOUSE
THORIKOS
INSULA 3
TH30
PH1
NORIA
TH37
TH1
CH3
PH2
LE5
GA1
GAIDOUROMANDRA
Makronesos
Cape Sounion
GUR-I-KUKI
6
5
3
2
1

APPENDIX 3.2

APPENDIX 3.2: TOWERS IN ATTIKA AND THE MEGARID

LOCATION	SITE	P	Mat	Masonry	Floors	Entrance	Ext Dim (m)	Internal Dim (m)/Features	Block Width (m)	Ext. H (m) Courses	Location	Masl	Date
SOUTH ATTIKA													
& MESOGEIA													
Agrileza	**Princess tower**	O	M	C; DM		SE; G; door posts	5.8	4; int walls ?	0.8-0.9	~1	A	80	5-4th
Agrileza	**Cliff tower**	O	M, Sc	RC		E; G	5.2	3.2	1	0.7	G	100	4th
Agrileza	**Golden Pig tower**	□	M, P	irr T; DC; F		NNE; G	6 x 5.8	4.6 x 4.6	0.6-0.8	1.2	hill; mines; G	150	5th-4th
Agrileza	**Yellow tower**	□	M	irr T		SSW; G	6.6 x 4.1	5.2 x 2.7	0.7	0.7	hill; G	200	4th-3rd
Agrileza	**Red tower**	□	L	U		SE; G	4.4 x 4.4	3.2 x 3.2	0.6	1.2	hill	190	
Agrileza	**Hilltop tower**	□	Sc	A; IS		SSE; G	6.3 x 6.5	5.1 x 5.1	0.7	1.8	hill; G	180	5th-4th
Agrileza	**Black Dog Tower**	□					6.5 x 6.5						
Agrileza	**Doric Tower**	□					4.7 x 4.7		0.85			125	
Lavrion	**Gaidouromandra**	□	L?	irr C	-	E; G; J	~2.8+ x 2.5	n/a	n/a	1C	hilltop; A	47	4-3rd
Sounion	**Gur-I-Kuki**	□	Sn/Sc	W	G	-	~10 x 10	8 x 8	~1	1.1	hillslope	76	C
Thorikos	**Tower Compound 1 (AX), Insula 3**	O	D, M	R		S; G	7.5	4.7; stone stairs	1.3-1.5	~2	urban	30	C
Thorikos	**Tower Compound 2**												
Thorikos	**Tower Compound 3**												
Thorikos	**Tower Compound 4**	□	M										
Charaka	**Lohmann 1993a: CH 3A**	O	Sc	irr	G + m?	-	6.6	5.2; R	0.7	0.5	rocky knoll; T	105	5-3rd
Charaka	**Lohmann 1993a: CH 3B 1**	O	L	irr	-	-	5.8	4.4	0.7	-	hillslope; T	96	5-3rd
Charaka	**Lohmann 1993a: CH 3B 2 tower ?**	O	L	irr	-	-	4.7	3.1	0.8	0.3	hillslope; T	96	5-3rd
Gaidourisi	**Lohmann 1993a: (GA 1)**	□	L	C	-	S; G	9.9 x 8.4	2 R; c	0.9-1	0.3	rocky knoll	65	5-4th
Ayia Photini	**Lohmann 1993a: PH 1**	□	L	irr C	-	S; G	6.7 x 6.6	5.2 x 5.2	0.7-0.8	-	hillslope	210	C-H
Ayia Photini	**Lohmann 1993a: PH 2**	□	L	irr	-	-	5.4 x 5.4	4.1 x 4.1	0.6	0.2	hillslope; T	140	5-4th
Ayia Photini	**Lohmann 1993a: PH 33**	□	L	C; P/T	-	E? 1st?	5.6 x 5.6	4.1 x 4.0	0.8	1.5	hillslope; T	114	5-4th
Thimari	**Lohmann 1993a: TH 1**	□	L	irr P/T	-	-	6.4 x 6.4	4.8 x 4.8	0.8	1.4	knoll; T	63	5-3rd
Thimari	**Lohmann 1993a: TH 30**	□	L?	n/a	-	T?	6.2 x 5.9	4.4 x 4.1	0.9	F	hillslope; A	206	C-H
Thimari	**Lohmann 1993a: TH 37**	O	L?	n/a	-	W? G; T	6.7	5.2	0.7-0.8	F	hillslope	100	C-H
Legrena	**Lohmann 1993a: LE 5**	O	n/a	n/a	-	-	7.5	4.9	1.3	F	hill plateau; A	64	4th ?
Legrena	**Lohmann 1993a: (LE 15)**	O	n/a	-	-	-	-	-	-	-	knoll; A	34	5-4th
Legrena	**Lohmann 1993a: LE 17**	□	L?	irr U?	-	E? 1st ?	5.2 x 4.6	4 x 3.4	0.6	0.8	hill plateau; A	40	4th ?
Halai Aixonides	**Kalampoka**	O									village		
Halai Aixonides	**Logothete**	O					8				village		
Halai Aixonides	**Odos Mela**	□					~6.5 x 6.5				village	75	
Halai Aixonides	**site ζ**	□?									village		
Anagyrous	**Gyphtopoulos**	O									village		
Markopoulo	**Limiko**	□	P	A; IS; Hd+S	G + 1	n/a	11.2 x 8.2	n/a	n/a	2.4; 6C	knoll		C ?
Vraona	**possible ancient tower ?**	□	C	A	G	-	~10 x 7 ?	-	n/a	1.1	rocky knoll		C?
Vari	**Country House**	□	L	O/R	G + m	N; G	5 x 5	3 x 3	0.65	0.85	foothills		4/3rd
Vouliagmeni	**Cape Zoster**	O					6.9				hill	68	
Vouliagmeni	**+ 2 reported towers**	O											
NORTH													
Aigaleos	**Aigaleos Tower**	O	L	P/T	G + m	1st ?	5.5	S	n/a	0.9; (3C)	mountain; G	453	4th
Aigaleos	**Kerydallos Tower**	O	L			yes (?) G	5				mountain; G	468	
Aphidna	**Katsimidi**	□	L	A/T		n/a	8.5 x 7.5				mountain; G	830	4th
Hymettos	**Hymettos Tower**	O	L	R; C	G +U (m?)	1st ?	8.3	S		1.7	mountain; G	726	5/4th
Kerata	**Ayia Triada Myrini Tower**	□	L	A/T; IS; DC	G + 2?		6.5 x 6.5			8.5; (12C)	cliff	~500	4th ?
Kerata	**Doskouri (Pyrgari) Tower**	O	L	T; IS	G +1	SSW; G; 1.7m w (	6.1		0.4	3; (6/7C)	mountain; G	211	4th
Kerata	**Kantili Tower (1)**	O	L	R	G+U	E; G; 0.8 w	6.7		0.7	1.4 (5C)	mountain slope	360	5/4th
Kerata	**Kantili Tower (2)**	□	L	R			5.3 x 4.8		0.7-1.3	n/a	mountain slope	420	5/4th
Kerata	**Kerata Tower**	□	L	W	-	-	8 x 6.8		n/a	F	mountain peak	470	5/4th
Kerata	**Coastal Tower**	O	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		140	n/a
	+ OTHER REPORTED TOWERS												

APPENDIX 3.2: TOWERS IN ATTIKA AND THE MEGARID

LOCATION	SITE	Other Features	REFERENCES
SOUTH ATTIKA & MESOGEIA			
Agrileza	**Princess tower**	courtyard; terrace, ancient (?) threshing floor; millstones	Young 1956; Jones, Graham & Sackett 1973: 448-452; Jones 1975: 129 Fig.23.5; Thielemans 1994: 136-7
Agrileza	**Cliff tower**	field wall enclosing 180 plethra; adjacent building; terrace; threshing floor	Young 1956: 124-6; Thielemans 1994: 137
Agrileza	**Golden Pig tower**	enclosure wall; 3 ore washery compounds, (graves)	Young 1956; Osborne 1984: 33; Photos-Jones & Ellis Jones 1994: 314; Thielemans 1994: 137-8
Agrileza	**Yellow tower**	yellow plastered walls; cistern; water channel	Young 1956: 126-8; Thielemans 1994: 138
Agrileza	**Red tower**	red plastered walls; door bar ?	Young 1956: 128; Thielemans 1994: 138-9
Agrileza	**Hilltop tower**	cistern; platform; re-used mining installation ?	Young 1956: 129-131; Thielemans 1994: 139
Agrileza	**Black Dog Tower**		Mussche 1994: 85
Agrileza	**Doric Tower**	adjacent marble quarry, buildings	Vanhove 1994: 42-3
Lavrion	**Gaidouromandra**	adjacent building complex of ~ 4 rooms; platform; enclosure wall; field walls; roof tiles; obsidian	Watrous 1982
Sounion	**Gur-I-Kuki**	black glaze sherds; no room for additional buildings	Young 1956: 131-2; Langdon 1982: 94-5
Thorikos	**Tower Compound 1 (AX), Insula 3**	village (deme centre)	Mussche 1965: 61-4; Spitaels 1978: 46-9; 107-110; Thielemans 1994: 136-7
Thorikos	**Tower Compound 2**		Spitaels 1978: 108
Thorikos	**Tower Compound 3**		Spitaels 1978: 108
Thorikos	**Tower Compound 4**		Spitaels 1978: 108
Charaka	**Lohmann 1993a: CH 3A**	walls nearby; mandra; fineware; courseware; 75m from CH 3B	Lohmann 1993a: 140 Fig. 19, 351-6
Charaka	**Lohmann 1993a: CH 3B 1**	adjacent stone building 7 m x 3.6 m; walls; (later) mandra; 75m from CH 3A, ca.10m from CH3B(2); graves nearby	Lohmann 1993a: 140 Fig. 19, 351-6
Charaka	**Lohmann 1993a: CH 3B 2 tower ?**	adjacent stone building 7 m x 3.6 m; 75m from CH 3A, ca.10m from CH3B(1); graves nearby	Lohmann 1993a: 140 Fig. 19, 351-6
Gaidournisi	**Lohmann 1993a: (GA 1)**	int. cistern vol. ~4000 l; (enclosure ?) walls; fineware; courseware	Lohmann 1993a: 142-3 Figs. 21-2, 399-403
Ayia Photini	**Lohmann 1993a: PH 1**	walls nearby; ancient road nearby; courseware; fineware; later mandra	Lohmann 1993a: 148-9 Figs. 21-2, 408-9
Ayia Photini	**Lohmann 1993a: PH 2**	walls; 6-7 adjacent buildings; (ancient ?) threshing floor; terraces; stream + dam; pithoi, black figure	Lohmann 1993a: 162-3 Figs. 32-3, 409-14
Ayia Photini	**Lohmann 1993a: PH 33**	adjacent walls; spring; later mandra; courseware; black figure	Lohmann 1993a: 207 Fig. 62, 431-33
Thimari	**Lohmann 1993a: TH 1**	adjacent walls; (ancient ?) threshing floor; (cistern) hole; terraces	Young 1956: 126 n.7; Lohmann 1993a: 146-7, 1993b
Thimari	**Lohmann 1993a: TH 30**	rooftile; courseware; beehive fragments; mines, graves nearby	Lohmann 1993a: 475-6
Thimari	**Lohmann 1993a: TH 37**	walls nearby; graves; courseware; fineware; beehive fragments	Lohmann 1993a: 149 Fig.29
Legrena	**Lohmann 1993a: LE 5**	adjacent courtyard 17m x 16m	Lohmann 1993a: 145 Fig.23, 308;
Legrena	**Lohmann 1993a: (LE 15)**	enclosure wall ? (later) threshing floor ? courseware; black figure	Lohmann 1993a: 511-2
Legrena	**Lohmann 1993a: LE 17**	building complex; walls; threshing floor; oil press; courseware; fineware	Lohmann 1993a: 150 Fig. 30, 515-6
Halai Aixonides	**Kalampoka**		Andreou 1994: 198
Halai Aixonides	**Lagothete**	complex of domestic buildings 35m x 30m; entrance from courtyard; location in village (deme centre)	Lauter 1993: 36-43
Halai Aixonides	**Odos Mela**		Andreou 1994: 196
Halai Aixonides	**site ζ**	near building complex	Andreou 1994: 202
Anagyrous	**Gyphtopoulos**	adjoining building complex	Steinhauer 1994: 186-7
Markopoulo	**Limiko**	Roman walls & sherds	Langdon 1982: 97-8
Vraona	**possible ancient tower ?**	enclosure wall; tiles; sherds	Langdon 1982: 91-2
Vari	**Country House**	walls of building plastered & painted red; courtyard; field walls; fineware; courseware; beehives	Jones, Graham & Sackett 1973
Vouliagmeni	**Cape Zoster**	adjacent to building ('Priest's House') and temple of Apollo; ΔΗΜΟ[ΣΙΟΝ] lead weights	Stavropoullos 1938: 6-7
Vouliagmeni	**+ 2 reported towers**		Stavropoullos 1938: 6-7
NORTH			
Aigaleos	**Algaleos Tower**	oval rubble circuit wall 19 m x 13 m; rooftiles, pithoi	Munn 1983: 402-5; Ober 1985: 148-9; 1987a: 207, Fig. 5, Thielemans 1994: 133-4
Aigaleos	**Korydallos Tower**	medieval re-use of classical tower ? platform	Munn 1983: 405-6; Ober 1985: 149; Lohmann 1992: 40 n.35
Aphidna	**Katsimidi**	reused blocks from earlier structure; rubble wall	Arvanitopoulou 1958: 25; Munn 1983: 410-2; Ober 1985: 142-4, 1987a: 203, Fig.2
Hymettos	**Hymettos Tower**	rooftiles, (modern ?) rubble walls; fineware; domestic courseware	Munn 1983: 406-10; Ober 1985: 132-3; Lohmann 1992: 40 n.35
Kerata	**Ayia Triada Myrini Tower**	adjacent building; rubble circuit wall 30m x 25m, 2m thick; rooftiles, fineware, beehive fragments	Van de Maele 1982: 199-202; Ober 1985: 174-5
Kerata	**Doskouri (Pyrgari) Tower**	adjacent round platform 7m diameter; rubble walls; rooftiles, pithoi	Van de Maele 1982: 202-3; Ober 1985: 176
Kerata	**Kantili Tower (1)**	rubble enclosure wall; rooftiles; kitchenware; courseware	Ober 1985: 176-7; 1987a: 224 Fig. 14; Van de Maele 1987: ?-?
Kerata	**Kantili Tower (2)**	rooftiles; pithoi; fineware	Ober 1985: 177; 1987a: 224 Fig. 14
Kerata	**Kerata Tower**	rooftiles; beehive fragment	Ober 1985: 178
Kerata	**Coastal Tower**	n/a	Milchhöfer 1895: 19
	+ OTHER REPORTED TOWERS		

APPENDIX 3.2: TOWERS IN ATTIKA AND THE MEGARID

LOCATION	SITE	P	Mat	Masonry	Floors	Entrance	Ext Dim (m)	Internal Dim (m)/Features	Block Width (m)	Ext. H (m) Courses	Location	Masl	Date
Kithairon	**Kareumpalo (1)**	□	L	P; C; DC	B + G	G ?	6 x 6	5.4 x 5.4	0.6	1.5; (3C)	mountain slope	865	4th
Kithairon	**Kareupbalo (2)**	□	L	P; C; DC			6.4 x 6.4	5.2 x 5.2	1.2	1C	mountain slope	865	4th
Koundoura	**Kyparissi**	□	L	P; W			8.4 x 8.4		0.8	1.3	hillslope; G		5/4th
Koundoura	**Kyparissi**	O	L	P			5.4			F	A	400	C?
Koundoura	**Mylos**	O	L	T; IS			7.2	5.6	0.8	1.1; (3C)	mountain; G	898	LC/H?
Koundoura	**Panayia**	O	L	irr P/T		S; G	4.8	H	0.8	1.5	G	~400	5th ?
Koundoura	**(Roadside Tower)**	O	L	A			7				A	~400	C?
Koundoura	**Tower on Hill 503**	□	L	C; W			10.5 x 9.2		1.2	2C	mountain; G	503	C?
	+ OTHER REPORTED TOWERS												
Mavrovouni	**Limiko Valley Tower**	O	L	A; PS-IS			7.3			2C	hill slope; A	90	C?
Mavrovouni	**(Skala Oropou)**	□	L	A		-	-			F	hillslope	80	5/4th
Mavrovouni	**Stavrokoraki Tower**	O	L	irr A	-	W; G; T	6	S? H?		0.5; (3C)	mountain; G	310	4th ?
Mavrovouni	**Varnava Tower**	□	L	A/T; DC	G + 1	S; 1m wide; hinge	6.6 x 6.6	inner wall	0.6	6; (10C)	valley	~500	4th
Mazi	**Mazi tower**	□	L/C	A; IS	G + 5		8.9 x 8.8	H; 5 int chambers	0.7	14.5; (32C)	plain; A	300	4th
Mazi	**Plakoto**	O	L	T/P	G + U?		6.5	S		3; (6)	hillside	220	4th
Mazi	**Velatouri**	O	L	T/P; B	G +1	1st; L, J (fallen)	8.3	S		3; (6-7C)	mountain peak	532	4th
Moschato	**Xypetes**												
Pentele	**Possible tower at Kalisia**	□	Sc	W; DC	-	n/a	n/a	n/a	0.6	2C	mountain slope; T		C?
Phyle	**Limiko Tower**	□	L	A/T; IS; B; I	G +1	E; G	8 x 8	H/S compartments		3.5; (6C)	mountain	814	4th ?
Phyle	**Tsoukrati Tower**	□	L	A/T; B; DC	G +1		8 x 8	H/S compartments		2.6; (5C)	mountain	736	4th ?
Phyle	**Dema tower**	O	L	R	G + U	G? 1st ?	7.6	R		1.4	hillslope; G	225	4th
	+ OTHER REPORTED TOWERS												
Salamis	**Perama Peninsula Tower 1**	O		P/L						0.1	knoll	44	6th ?
	Perama Peninsula Tower 2			P/L						0.1	knoll	44	6th ?
	Restis	O	n/a	n/a	-		~5			0.5	hill-top	260	?
	Cape Kolonnas	O											
MEGARID													
Vathychoria	**Tower A**	□	L	irr		n/a	n/a		0.75	?	'steep crag'		C?
Vathychoria	**Tower B**	□	L	irr		-	7.5 x 7.5		0.75	F			C?
Vathychoria	**Tower C**	□	C	A; IS	G + 2 ?	E; G; 1.6m h x 1m	5.4 x 5.4	4.5 x 4.5	0.45	9.9; (17C)	A	~500	H ?
Vathychoria	**Tower D**	□	L	irr		S; G; 1.1m w	11 x 9.5		0.75				C?
Vathychoria	**Tower E**	□	L	irr	G + U		12 x 10.5		0.75				C?
Vathychoria	**Tower F**	O	L/C	T: IS	G + 3	S; G; 2.1m h x 1m	6.2	4 int chambers	0.6	12.3; (23C)	A	~500	4th
Kryphtis	**Yoshiyuki 1993 Site 1 Megalos Kryphtis**	□	L	R	-	n/a	n/a	n/a	n/a	n/a		?	C
Kryphtis	**Yoshiyuki 1993 Site 5 Kryphtis**	O	L	R	G + U		5.4			2.6; (5C)	A	n/a	C-H
Kryphtis	**Yoshiyuki 1993 Site 7 Mikros Kryphtis**	O	?	irr			5.7				A	n/a	C-H
Aigosthena	**Tzamali Tower**	□	L	T; Q; DC	G		10.3 x 7.3		0.6	1.25; (4C)	hillslope	~400	4th ?
Aigosthena	**Karydhi**	O	L	R/P	-	-	7	H		1C	mountain peak	~960	4th ?
Aigosthena	**Mallia Psatha**	O	L	A; B	G + U	-	6.5			F	mountain knoll	538	4th ?

APPENDIX 3.2: TOWERS IN ATTIKA AND THE MEGARID

LOCATION	SITE	Other Features	REFERENCES
Kithairon	**Karoumpalo (1)**	tower 2 located 33m NW; rooftiles; courseware	Keramapoullos 1931: 161; Munn 1983: 425-431; Ober 1985: 163-4; 1987: 221 Fig. 12
Kithairon	**Karoupbalo (2)**	tower 1 located 33m SE; rooftiles; courseware	Keramapoullos 1931: 161; Munn 1983: 425-431; Ober 1985: 163-4; 1987: 221 Fig. 12
Koundoura	**Kyparissi**	courtyard; enclosure wall; cistern; Attic deme ?	Van de Maele 1986: 131; 1987: 200; Yoshiyuki 1993: 6 fig.3
Koundoura	**Kyparissi**	enclosure wall	Van de Maele 1987: 201
Koundoura	**Mylos**	rubble circuit wall 33m x 25m; butress	Van de Maele: 1981: 325-7; Ober 1985: 172-3; Thielemans 1994: 130-1
Koundoura	**Panayia**	extensive rubble wall enclosure north of tower; terraces; rooftiles	Munn 1983: 433-8; Ober 1985: 174
Koundoura	**(Roadside Tower)**	stream nearby	McCredie 1966: 119-120
Koundoura	**Tower on Hill 503**	adjacent circular foundation; rubble walls; rooftiles; pithos	Ober 1985: 173
	+ OTHER REPORTED TOWERS		Sarres 1910
Mavrovouni	**Limiko Valley Tower**	5m wall from tower; other walls; millstone; beehive sherds; courseware	Ober 1985: 134-5
Mavrovouni	**(Skala Oropou)**	ancient harbour of Oropos nearby	Ober 1985: 139-40
Mavrovouni	**Stavrokoraki Tower**	rooftiles; fineware; courseware	Langdon 1982: 95-7; Munn 1983: 413-4; Ober 1985: 133-4
Mavrovouni	**Varnava Tower**	walls; rooftiles; sherds; spring; Rhamnous-Oropos road nearby	Ober 1985: 137-8
Mazi	**Mazi tower**	arrow (?)/window slits; joist holes for wooden floors/ceilings	Ober 1985: 155-7, 1987b: 589-91; Camp 1991: 201-2; Thielemans 1994: 131-2
Mazi	**Plakoto**	2 circuit walls enclosing 90m x 50m; other walls; rooftiles; 4th C lamp base	Ober 1985: 158
Mazi	**Velatouri**	contemporary (?) rubble walls 20m SE of tower; rooftiles; courseware	Munn 1983: 422-5; Ober 1985: 157-8; Lohmann 1992: 40 n.35
Moschato	**Xypetes**		Travlos 1988: 292
Pentele	**Possible tower at Kallisia**	deme site ?	Langdon 1982: 92-4
Phyle	**Limiko Tower**		Vanderpool 1978: 240-2; Ober 1985: 147
Phyle	**Tsoukrati Tower**	quarry nearby	Vanderpool 1978: 240-2; Ober 1985: 147-8
Phyle	**Dema tower**	enclosure wall	Jones, Sackett & Elliot 1957; Munn 1993: 63-95; Thielemans 1994: 132-3
	+ OTHER REPORTED TOWERS		
Salamis	**Perama Peninsula Tower 1**		McLeod 1960: 318 Fig.2
	Perama Peninsula Tower 2		McLeod 1960: 318 Fig.2
	Restis	n/a	McLeod 1960: 317 n.7
	Cape Kolonnas		Lohmann 1993a: 151
MEGARID			
Vathychoria	**Tower A**	enclosure walls ? rooftiles	Hammond 1954: 108-11; Ober 1982; Munn 1983: 338-344
Vathychoria	**Tower B**	rooftiles	Hammond 1954: 108-11; Ober 1982; Munn 1983: 338-344
Vathychoria	**Tower C**	arrow (?)/window slits; water spout in C 15; cisterns 10m E & NE; rubble walls; tiles	Tillyard 1905-6: 101-4; Hammond 1954: 108-11; Thielemans 1994: 128-9.
Vathychoria	**Tower D**	rooftiles	Hammond 1954: 108-11; Ober 1982; Munn 1983: 338-344
Vathychoria	**Tower E**	rooftiles	Hammond 1954: 108-11; Ober 1982; Munn 1983: 338-344
Vathychoria	**Tower F**	2° taper inwards; arrow (?)/window slits; water spout in C 19; circuit wall 25m x 25m	Tillyard 1905-6; Hammond 1954: 108-11; Haselberger 1979; Muna 1983: 338-344; Thielemans 1994: 130-1
Kryphtis	**Yoshiyuki 1993 Site 1 Megalos Kryphtis**	building with tower in corner	Yoshiyuki 1993: 18-19
Kryphtis	**Yoshiyuki 1993 Site 5 Kryphtis**		Yoshiyuki 1993: 3
Kryphtis	**Yoshiyuki 1993 Site 7 Mikros Kryphtis**	courtyard; enclosure; cistern	Yoshiyuki 1993: 3, 7 Fig.4
Aigosthena	**Tzamali Tower**	round platform 3.3m diameter nearby with retaining wall; rubble walls; rooftiles	Ober 1983; 1985: 169-70
Aigosthena	**Karydhi**	rubble walls 30m x 27m; square building 3m x 3m 15 NE from tower; roof tiles	Ober 1985: 164-5
Aigosthena	**Mallia Psatha**	joist hole; rooftiles; courseware; ancient buildings 100m W; rubble field walls	Ober 1983; 1985: 170-1

APPENDIX 3.2: TOWERS IN ATTIKA AND THE MEGARID

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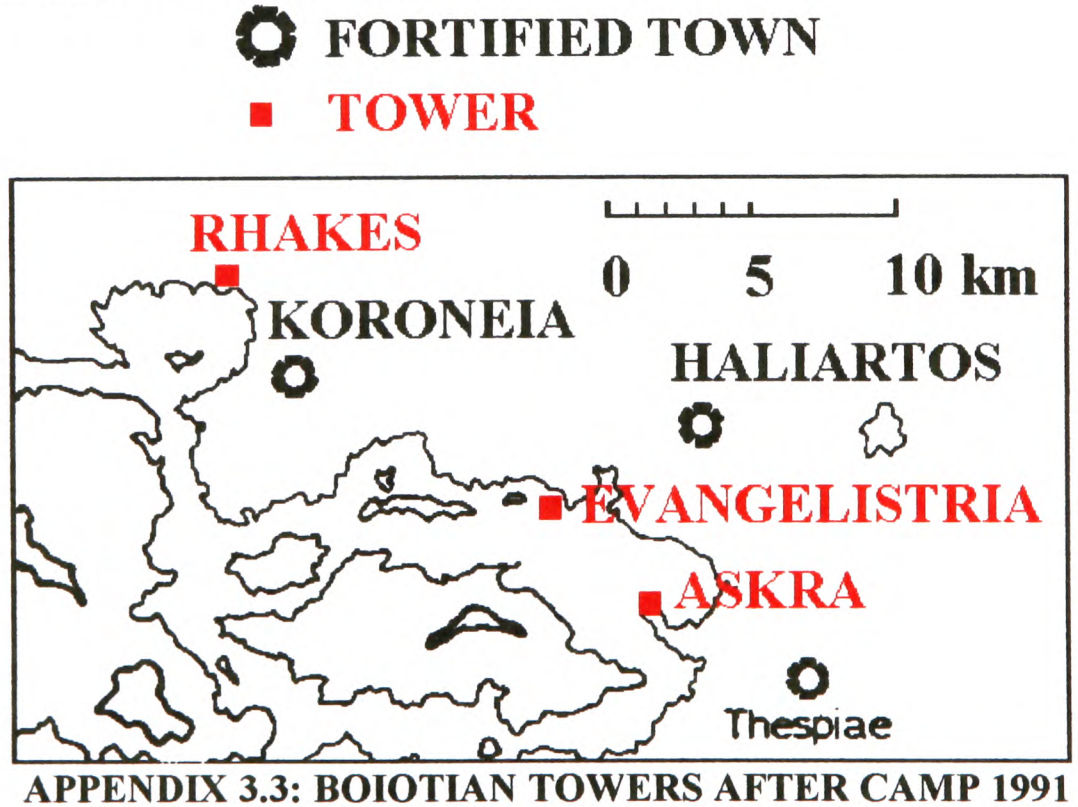
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APPENDIX 3.3: BOIOTIA TOWERS

	LOCATION	SITE	P	Mat	Mas	Floors	Ent	Ext Dim (m)	Int Dim (m)	Block W (m)	Ext. H (m) Courses	Location	Masl	Date	OTHER FEATURES
BOIOTIA	Linopyrgos	**Evangelistria**	□	gL	T; PS-IS; H; B; DC	G + U	-	~6.6 x 6.6	6 x 6	0.6	2.1; 4C	valley pass	~500	4th ?	adjacent wall (of reused tower blocks)
	Valley of the Muses	**Askra**	□	L	A/T; IS; Q	G + 1	S; 1.1m above G; T, L	7.7 x 7.7	7.1 x 7.1; S	0.6	13C	mountain; M	?	4th	stone staircase; enclosure wall; quarry nearby
	Ano-Siphai	**Mavrovouni**	□	L	T; Q	B + G +1	S; 1m above G; T, L	6.2 x 6.2	5.5 x 5.5; S	0.7	~6	mountain top	479	4th	stone staircase; ancient houses, cisterns nearby
	Livadia	**(Rhakes)**	□	gL	A; IS; DC	G + U	-	-	-	0.6	-	hillslope	~200	4th	-

	LOCATION	SITE	REFERENCES
BOIOTIA	Linopyrgos	**Evangelistria**	Kallet-Marx 1989: 305-11
	Valley of the Muses	**Askra**	Roux 1954: 45-8; Schwander 1977: 518 Fig. 5; Camp 1991: 197
	Ano-Siphai	**Mavrovouni**	Schwander 1977: 516-9; Camp 1991: 197
	Livadia	**(Rhakes)**	Camp 1991: 193-7
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APPENDIX 3.3: BOIOTIAN TOWERS AFTER CAMP 1991

APPENDIX 3.4: WEST LOCRIS TOWERS

							Ext	Int	Block	Ext. H (m)					
LOCATION	**SITE**	**P**	**Mat**	**Mas**	**Floors**	**Ent**	**Dim (m)**	**Dim (m)**	**W (m)**	**Courses**	**Location**	**Masl**	**Date**	**OTHER FEATURES**	**REFERENCES**
Hyle	**Sigditsis**	□		A/T; PS-IS	G + 1	1.1m w, 2.1m h	12 x 12	9.1 x 9.1	1.45					tombs nearby; approx 1km from (ancient) village	Keramopoullos 1931: 162; Lerat 1952: 181
	Kokovista	□	gL				13.5 x 12								Lerat 1952: 113-4
	Kamiotissa	□		T			7.3 x 6.1	5.6 x 4.4	0.85	f					Lerat 1952: 167
	Vounichora	□	gL	T			7.9 x 7.8			5c	knoll on hill slope				Lerat & Chamoux 1947-8: 77; Lerat 1952: 173-4
Vidavi	**Tsitomi**	□					~5.5 x 5.5			4.3m		820			Lerat & Chamoux 1947-8: 63-64
	Ayia Thymia	□		T			7.3 x 7							near to ancient Myania	Lerat & Chamoux 1947-8: 77
															BIBLIOGRAPHY
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APPENDIX 3.5: PELOPONNESE

							Ext	Int	Block	Ext. H (m)				
	SITE	P	Mat	Mas	Floors	Ent	Dim (m)	Dim (m)	Width (m)	Courses	Location	Masl	Date	Other Features
ARKADIA	Mt. Mainalon	□					4.4 x 4.4							
	Phigaleia	O					~4.5							
	Mytikas													
KORINTH	Mt. Oneion	□					9.1 x 8.8			1.2	hill; G			walled enclosure & cistern
LAKONIA														
Thyreatis														
Xylópyrgos	Cavanagh et al. 1996: AA295	O	n/a	irr P	n/a	n/a	6.5	~5.5 x 5.5; R	0.9-1.1	1; 4C	mountain; M	671	C-H	rock-cut basin; black glaze; building foundations 50m E
Mt. Závitsa	Cavanagh et al. 1996: AA297	?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	mountain	945	C-H ?	n/a
Anemómylos, Prosília	Cavanagh et al. 1996: AA301	O	n/a	W	-	T	6.5	5.5 x 5.5	1	0.5; 2C	mountain; M	662	C	obsidian; pottery
Pýrgos, Lilékia	Cavanagh et al. 1996: AA302 (1)	□	n/a	irr P	-	-	5.5 x 5	4.8 x 4.8	0.7	F	coast	10	5th ?	50m below ancient coastal road
Pýrgos, Lilékia	Cavanagh et al. 1996: AA302 (2)	□/O	n/a	n/a	B + G	-	3.2 x 3	2.2 x 2	1	n/a	coast	10	H	internal cellar/cistern ? black glaze
Kástro tis Oriás	Cavanagh et al. 1996: AA21a	□ ?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	mountain	1008	C?	n/a
Ellinikó, Cháradros	Cavanagh et al. 1996: AA330	□		P; DC		S; G; H; 1.8 h x 0.8 w	8 x 8	7 x 7	1	2.3; 5C	hillslope	150	4\3rd	undated pottery
Southern Kynouria														
Tsérpho	Cavanagh et al. 1996: BB333	□	n/a	P; DC	G	n/a	8 x 8	7.2 x 7.2	0.8	1.8; 3-4C	mountain slope	350	4th ?	n/a
Spathokommeno	-	□	n/a	P; W	G	-	9 x 6.4	8 x 5.4	1	1.5; 3C	n/a	n/a	C-H	(ancient) building foundations nearby; C-H pottery
	Viglaphia	□		A			17.5 x 16				hill			surrounding ditch (cistern ?); quarries
MANTINEIA	Louka	□			G		12.5 x 9.5			4C	ridge	640	4th	adjacent settlement ?
	Anchisia 'Site D'	□					7.2 x 7.1			0.5; 1C				surrounding building complex 41.5m x 23m (8 rooms +), courtyard; LC/H sherds; roof tiles
MESSENIA		O					13							corridor entrance c.5m long

	SITE	REFERENCES
ARKADIA	Mt. Mainalon	*JHS* (1895) **15:** 83
	Phigaleia	*AAA* (1972) **5:** 363
	Mytikas	*AA* (1913) **28:** 395-428
KORINTH	Mt. Oneion	Stroud 1971
LAKONIA		
Thyreatis		
Xylópyrgos	Cavanagh et al. 1996: AA295	Phaklaris 1990: 203-5; Shipley 1996: 276
Mt. Závitsa	Cavanagh et al. 1996: AA297	Shipley 1996: 276
Anemómylos, Prosília	Cavanagh et al. 1996: AA301	Shipley 1996: 276
Pýrgos, Lilékia	Cavanagh et al. 1996: AA302 (1)	Phaklaris 1990: 201-2; Shipley 1996: 276
Pýrgos, Lilékia	Cavanagh et al. 1996: AA302 (2)	Shipley 1996: 276
Kástro tis Oriás	Cavanagh et al. 1996: AA21a	Shipley 1996: 280
Ellinikó, Cháradros	Cavanagh et al. 1996: AA330	Phaklaris 1990: 205-6; Shipley 1996: 280
Southern Kynouria		
Tsérpho	Cavanagh et al. 1996: BB333	Phaklaris 1990: 206; Shipley 1996: 281
Spathokommeno	-	Phaklaris 1990: 206-7
	Viglaphia	Fracchia 1985: 684
MANTINEIA	Louka	Fougères 1898: 127; Hodkinson & Hodkinson 1981: 248
	Anchisia 'Site D'	Fougères 1898: 127; Hodkinson & Hodkinson 1981: 248
MESSENIA		Valmin: 70
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APPENDIX 3.6: OTHER REPORTED TOWERS IN MAINLAND GREECE

							Ext	Int	Block	Ext. H (m)					
LOCATION	SITE	P	Mat	Mas	Floors	Ent	Dim (m)	Dim (m)	Width (m)	Courses	Location	Masl	Date	OTHER FEATURES	REFERENCES
Aetolia	**Palaiopyrgos**	O		A; IS			7.8	6.6	0.6	4c	ridge				Woodhouse 1897: 178
		□					7 x 7								Woodhouse 1897: 160
	Helleniko	□					10 x 9.1								Woodhouse 1897: 160
	Ayios Ioannis	□													Woodhouse 1897: 160
	Ayios Elias	□					7.1 x 7.1				hill			three partitions within tower	Woodhouse 1897: 160; Mastrokosta 1966: 213
	+ other reported towers	□													Woodhouse 1897: 160
Delphi															Valavanis 1980
Gravia	**Tsouka Khlomou (Kytinion)**	O					n/a			F	hilltop	425	C/H	L/T masonry enclosure 75 x 50m; field walls; C-H sherds	Kase, Szemler, Wilkie, Wallace 1991: 53-4
	Pyrgos ? 2 towers	□					n/a				hilltop	620		(medieval ?) walls	Kase, Szemler, Wilkie, Wallace 1991: 51
Lilaia	**Lilaia**	□		T; C	G+U		n/a			9C	knoll	~330		later mortar walls on ancient structure; adjacent walls ~200m	Kase, Szemler, Wilkie, Wallace 1991: 53
Prosilion	**Ayia Triadha**	□	L	A; PS-IS			n/a			~4	valley		H?	extensive site - sherds; polygonal walls; tombs; terrace walls	Kase, Szemler, Wilkie, Wallace 1991: 55
Lamia	**Dhema Jami tower**	O					10m			~2-3		550	C?	tiles; rock-cut stairs; enclosure walls with gates; adjacent buildings	Kase, Szemler, Wilkie, Wallace 1991: 57
Lamia	**Dhema Olte tower**	□					~4-5 x 4-5					560	C?	tiles; enclosure; (field) wall	Kase, Szemler, Wilkie, Wallace 1991: 57
	Vounous	□?					n/a						C-H ?	ashlar/polygonal wall with gate; C-H pottery	Kase, Szemler, Wilkie, Wallace 1991: 47
Amphissa	**4 towers**	O/□		A; IS			4								Kase, Szemler, Wilkie, Wallace 1991: 39
	2 towers	O		A			5.8			1					Kase, Szemler, Wilkie, Wallace 1991: 42
Chalcidice	**Olympias**	O								2			C/H		*AD* (1969) **24**B2: pl.323
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APPENDIX 3.7: OTHER REPORTED TOWERS IN THE MEDITERRANEAN AND BLACK SEA AREA

								Ext	Int	Block	Ext. H (m)				
REGION	LOCATION	SITE	P	Mat	Mas	Floors	Ent	Dim (m)	Dim (m)	Width (m)	Courses	Location	Mas	Date	OTHER FEATURES
CRIMEA	Eupatoria	Nowicka 1975 no. 79 Beljaus	□	L	W	B + G + U	G	10.8 x 10.8	8.8 x 8.8; 4P; c; stairs	1		coast; M		4-3rd	stone press; agricultural implements; enclosure 3500m^2
HERACLEA	Chersonesos	Nowicka 1975 no.62	□					7 x 7				plain		H	
	Chersonesos	Nowicka 1975 no.63 tower 1	□					10 x 8				plain			
	Chersonesos	Nowicka 1975 no.63 tower 2	□ ?					n/a				plain			
	Chersonesos	Nowicka 1975 no.64	□					8 x 8				plain		H	
	Chersonesos	Nowicka 1975 no.65	□					5 x 4				plain			
	Chersonesos	Nowicka 1975 no.66	□ ?					n/a				plain		H	
	Chersonesos	Nowicka 1975 no.67	□					n/a				plain		H	
	Chersonesos	Nowicka 1975 no.68a	□					5 x 5				plain		3rd	
	Chersonesos	Nowicka 1975 no.68b	□					6.2 x 6				plain		2nd	
	Chersonesos	Nowicka 1975 no.69	□					9.6 x 9.5				plain		3rd	
	Chersonesos	Nowicka 1975 no.70	□ ?					n/a				plain			
	Chersonesos	Nowicka 1975 no.71	□ ?					n/a				plain			
	Chersonesos	Nowicka 1975 no.72	□ ?					n/a				plain			
	Chersonesos	Nowicka 1975 no.73	□					5.6 x 5.2				plain			
	Chersonesos	Nowicka 1975 no.74	□					11 x 10.5				plain		4-3rd	
	Chersonesos	Nowicka 1975 no.75	□					12.5 x 10.3				plain		4-3rd	
	Chersonesos	Nowicka 1975 no.76 tower 1	□					11 x 10				plain			
	Chersonesos	Nowicka 1975 no.76 tower 2	□ ?					n/a				plain			
	Chersonesos	Nowicka 1975 no.77	□					12 x 12				plain			
	Chersonesos	Nowicka 1975 no.78						n/a				plain		3rd	
HERACLEA	Latmos	Krischen 1922 site 78	□		G			11.5 x 7.2	~9.5 x 8.2; 2P	1		hilltop		C-H ?	adjoining wall
HVAR ISLAND	Starigrad	Maslinovik tower	□		W			7.5 x 7.5	5.5 x 5.5	1	1.5		68	C-H ?	central block in tower; tiles, gutter, aligned with field plan
	Starigrad	Tor	□	L ?	T; IS			7.2 x 6.2			8	G	250	C-H ?	
IONIA	Ephesos	Kaystros	□		A/T; PS-IS			14 x 13	11.4 x 10.4	1.3	1.1	hilltop			
	Ephesos	Arvalia Tower A	□		T; irr C			~25 x 25					165		
	Ephesos	Arvalia Tower B	□		n/a			6.4 x 6.4	5 x 5	0.7	n/a	hillslope	165		
	Ephesos	Ala Dag	□		T; IS			8.4 x 8.4				plateau	490		adjoining rectangular enclosure 5m x 3m
	Ephesos	Barutcu-Kale	□					9.2 x 9.1			5	plateau	750	4th	adjoining courtyard, building complex 36 x 27m
	Pariorion		□		A; IS; bs			9.4 x 6.5	2P	1				3rd	adjoining walls; adjacent buildings; cistern 10m E of tower
	Metropolis	Trianda 'τετραπυργιον'	□					35 x 35		1.45		hilltop			rectangular complex; 6.5 m square towers on S and W corners
	Pergamon		□												adjacent cistern; circular enclosure wall
KARIA	Halicarnassos	'Farmhouse'	□				W; G; 1.1m h x 0.9m w	14.8 x 6.4	3P	1.1	2.4	ridge			slab roof; windows; adjacent curved enclosure; cistern; terraces
KARIA	Halicarnassos	Kizilagac	O		P		N; G	~20	W		1	valley			buildings; grave enclosure
KARIA	Halicarnassos	Papaz Tepesi	□					7.2 x 5.5						4th	enclosure 15 x 14m (gate in west)
KARIA	Halicarnassos	Azajik	□				U ?	6.3 x 5.4						4th	enclosure 19 x 12.5 m; oil press
KARIA	Halicarnassos	Mandra Gölü	□		P	G + 1	E	6.5 x 4		0.7-1				H	
KARIA	Halicarnassos	Tavsan Burnu	□		P	G + 1	S	9 x 5.5						H	
KARIA	Myndos	Urun	□					10.5 x 3.9						C ?	coursed masonry enclosure 11.4 x 10.5 m
KARIA	Gelibolu Çayi	Koca Kale	□		irr A			12 x 7.6	W	1.2		hill	350		polygonal masonry platform nearby
KARIA	Idyma	Akbük	□												
	+ other reported rural structures and enclosures														
LYDIA	Metropolis	Jeni Kjöi	□					2 x (6.5 x 6.5)						H	twin towers on courtyard walls
LYKIA	Limyra		□	L	PS-IS	G + 1		7.2 x 5.5		0.9					buildings, terrace walls, stone press
LYKIA	Gök Liman		□			G + 1	SE	9.3 x 8.2			~2+				two rooms; oil press; nearby settlement
LYKIA	Myra		□			G + U		11 x 9.1							drainage
LYKIA	Sura		□		PS-IS	G + U	2 at 1st floor	11.3 x 6.7							drainage; buildings, stone press
LYKIA	Kilise		□	L	A; PS-IS; P	G + U	G	10 x 9.8	8.4 x 8.2	0.8	2	mount ridge; M			(later ?) building complex 100m^2
LYKIA	Tuse		□	L	PS-IS; P		SE; G; L; 1.1m w	6.8 x 5.7	5.2 x 4.1; W	0.8	2C	M; T			adjacent walls; building complex 80m east; tumulus
LYKIA	Ayibeleri Tepesi		□	L	P		SE; G	7.4 x 5.4	5.8 x 3.8	0.8		rocky knoll			adjoining walls; building
MARMARA	Kastrakia		□		P; W; C		2 x triangular; G	n/a	n/a	1.5		rocky spur			coursed stone walls (10m l; 1.5m h; 2m w) run downhill; rubble
PRIENE															

APPENDIX 3.7: OTHER REPORTED TOWERS IN THE MEDITERRANEAN AND BLACK SEA AREA

REGION	LOCATION	SITE	REFERENCES
CRIMEA	Eupatoria	**Nowicka 1975 no. 79 Beljaus**	Nowicka 1975: 146
HERACLEA	Chersonesos	**Nowicka 1975 no.62**	Nowicka 1975: 145
	Chersonesos	**Nowicka 1975 no.63 tower 1**	Nowicka 1975: 145
	Chersonesos	**Nowicka 1975 no.63 tower 2**	Nowicka 1975: 145
	Chersonesos	**Nowicka 1975 no.64**	Nowicka 1975: 145
	Chersonesos	**Nowicka 1975 no.65**	Dufková & Pecírka 1970: 151; Nowicka 1975: 145
	Chersonesos	**Nowicka 1975 no.66**	Dufková & Pecírka 1970: 152; Nowicka 1975: 145
	Chersonesos	**Nowicka 1975 no.67**	Dufková & Pecírka 1970: 156; Nowicka 1975: 145
	Chersonesos	**Nowicka 1975 no.68a**	Dufková & Pecírka 1970: 162; Nowicka 1975: 145
	Chersonesos	**Nowicka 1975 no.68b**	Dufková & Pecírka 1970: 159; Nowicka 1975: 146
	Chersonesos	**Nowicka 1975 no.69**	Dufková & Pecírka 1970: 167; Nowicka 1975: 146
	Chersonesos	**Nowicka 1975 no.70**	Dufková & Pecírka 1970: 173; Nowicka 1975: 146
	Chersonesos	**Nowicka 1975 no.71**	Dufková & Pecírka 1970: 174; Nowicka 1975: 146
	Chersonesos	**Nowicka 1975 no.72**	Dufková & Pecírka 1970: 174; Nowicka 1975: 146
	Chersonesos	**Nowicka 1975 no.73**	Dufková & Pecírka 1970: 143-4; Nowicka 1975: 146
	Chersonesos	**Nowicka 1975 no.74**	Dufková & Pecírka 1970: 144-5; Nowicka 1975: 146
	Chersonesos	**Nowicka 1975 no.75**	Dufková & Pecírka 1970: 144-5; Nowicka 1975: 146
	Chersonesos	**Nowicka 1975 no.76 tower 1**	Dufková & Pecírka 1970: 145; Nowicka 1975: 146
	Chersonesos	**Nowicka 1975 no.76 tower 2**	Dufková & Pecírka 1970: 145; Nowicka 1975: 146
	Chersonesos	**Nowicka 1975 no.77**	Dufková & Pecírka 1970: 127, 142; Nowicka 1975: 146
	Chersonesos	**Nowicka 1975 no.78**	Dufková & Pecírka 1970: 127, 141; Nowicka 1975: 146
HERACLEA	Latmos	**Krischen 1922 site 78**	Krischen 1922: 7 fig 5.32
HVAR ISLAND	Stangrad	**Maslinovik tower**	Kirigin & Popovic 1988: 179, 186; Gaffney & Stancic 1991
	Stangrad	**Tor**	Kirigin & Popovic 1988: 189; Gaffney & Stancic 1991
IONIA	Ephesos	**Kaystros**	Benndorf 1906: 81
	Ephesos	**Arvalia Tower A**	Benndorf 1906: 80; Jobst 1978: 449
	Ephesos	**Arvalia Tower B**	Benndorf 1906: 80; Jobst 1978: 449
	Ephesos	**Ala Dag**	Benndorf 1906: 81; Jobst 1978: 448
	Ephesos	**Barutcu-Kale**	Jobst 1978: 451-3
	Panionion		Müller-Wiener 1967: 40-5
	Metropolis	**Trianda 'τετραπυργιον'**	Keil & Premerstein 1914: 102
	Pergamon		Schuchhardt 1929: 449 Fig.15
KARIA	Halicarnassos	**'Farmhouse'**	Bean & Cook 1955: 132-4; Radt 1970: 185-6
KARIA	Halicarnassos	**Kizilagac**	Winter 1877: 224
KARIA	Halicarnassos	**Papaz Tepesi**	Radt 1970: 185
KARIA	Halicarnassos	**Azajik**	Paton & Myres 1896; Radt 1970: 185
KARIA	Halicarnassos	**Mandra Gölü**	Radt 1970: 186-7
KARIA	Halicarnassos	**Tavsan Burnu**	Radt 1970: 186-7
KARIA	Myndos	**Urun**	Paton & Myres 1896: 202 Fig.3; Radt 1970:
KARIA	Gelibolu Çayi	**Koca Kale**	Bean & Cook 1957: 65
KARIA	Idyma	**Akbük**	Paton & Myres 1896: 197
	+ other reported rural structures and enclosure		Paton & Myres 1896; Bean & Cook 1955; 1957; Radt 1970
LYDIA	Metropolis	**Jeni Kjöi**	Keil & Premerstein 1915
LYKIA	Limyra		Konecny 1993
LYKIA	Gök Liman		Konecny 1993
LYKIA	Myra		McNicoll & Wirnikoff 1983; Konecny 1993
LYKIA	Sura		Konecny 1993
LYKIA	Kilise		Yener 1995: 93-4
LYKIA	Tuse		Yener 1995: 95
LYKIA	Ayibeleni Tepesi		Yener 1995: 95
MARMARA	Kastrakia		Hasluck 1909: 10-11
PRIENE			Weigand & Schrader 1904

APPENDIX 3.7: OTHER REPORTED TOWERS IN THE MEDITERRANEAN AND BLACK SEA AREA

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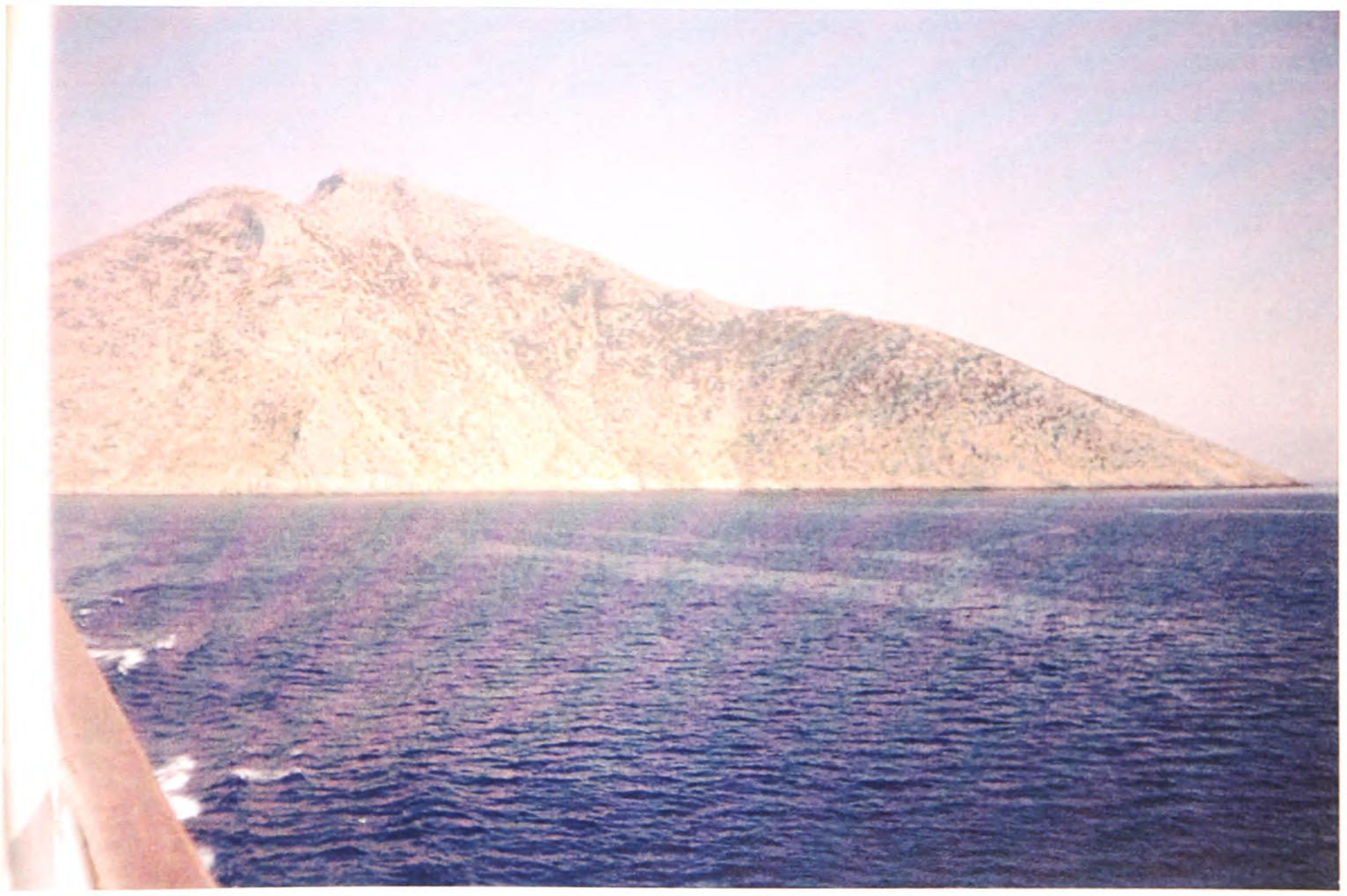
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PLATES ACCOMPANYING PART I

(PLATES I.1-I.70)



I.1 *Ayios Simeon ridge from Profitis Elias.*



I.2 *West coast of Siphnos. Profitis Elias ridge on southern side of Kamares Bay.*



I.3 *Ayios Sostis below north-eastern slopes of Ayios Silvestros.*



I.4 *Mine area at Ayios Sostis.*



I.5 *Remains of open cast (modern) mining at Ayios Sostis.*



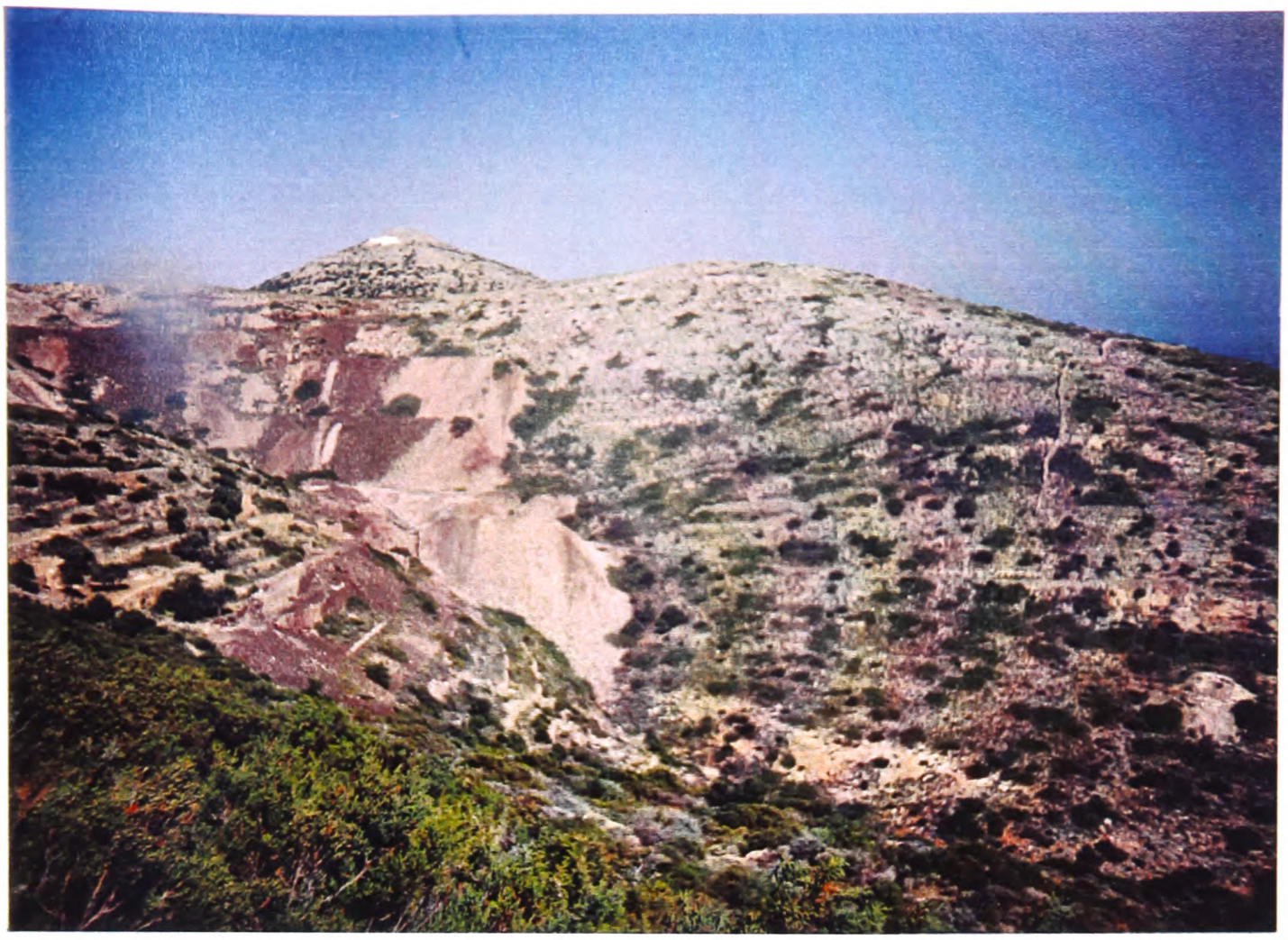
I.6 *Ayios Silvestros from south. Slag heaps visible on eastern slope (centre right background).*



I.7 *Mine workings and slag heaps at Ayios Silvestros.*



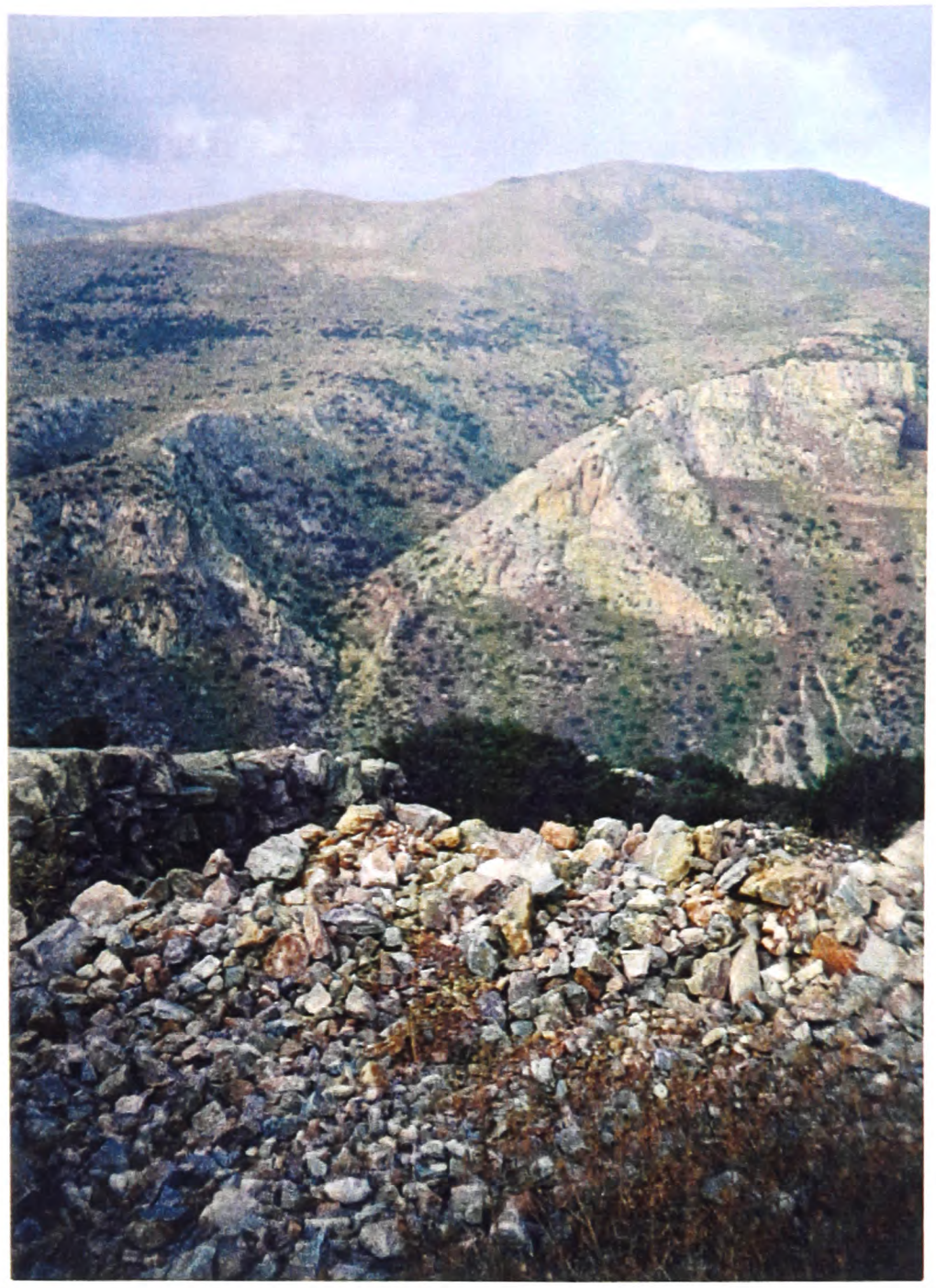
I.8 *Contact zone between Ayios Silvestros (centre) and Vorini (right).*



I.9 *Mine workings at Vorini. Open cast mining in foreground, gallery entrances upper centre-left.*



I.10 *Mine workings at Kapsallos. Ancient shafts (left) and modern workings (right).*



I.11 *Kapsallos & Tsingouras (centre right ridge), Xeroxilo (centre below summit).*



I.12 *Mining area at Ayios Ioannis. 19th-century loading bay (right) and cableway (left).*



I.13 *Clay soil on south facing valley slope, Kolopani. Tower* ***28*** *left middle-ground.*



I.14 *Clay soil (bottom centre) at Fikiada bay (pottery kilns out of shot).*



I.15 *Coastal erosion at promontory of Kavos Kokkalas.*



I.16 *Erosion by watercourse meander at tower* **49** *in alluvial plain of Plati Yialos.*



I.17 *Alluvial plain of Kamares valley.*



I.18 *Alluvial plain of Kamares valley.*



I.19 *Agricultural land in Kheronisos area of north Siphnos. Terraces on east coast.*



I.20 *Agricultural land in Kheronisos area of north Siphnos, looking north.*



I.21 *Agricultural land in northern Siphnos. Terraces on southern slopes above Vroulidia bay.*



I.22 *Troulaki Valley looking north (Ayios Nikitas to right, out of shot).*



I.23 *Troulaki Valley looking south from Phengara (tower* **8***).*



I.24 *Troulaki Valley looking east from Vorini. Rock-lined well (centre middle-ground), cistern (right middle-ground), terraced agricultural land (background).*



I.25 *Animal shelter (centre foreground) on eastern slopes of Ayios Simeon (centre background).*



I.26 *Kamares valley looking south-east towards Apollonia from peak of Ayios Simeon.*



I.27 *Kamares Valley looking south-east towards Apollonia.*



I.28 *Kamares Valley looking north-west towards Kamares from Vigla.*



I.29 *Valley bottom and west lower slopes of Kamares Valley.*



I.30 *Arable land around Katavati (left), Apollonia (upper right), Exambela (lower right) from Vrisi. Mt. Profitis Elias to left.*



I.31 *Arable land in the south-east of Siphnos, from Ayios Andreas east towards Kastro (centre background). Olive cultivation centre foreground.*



I.32 *Arable land in the Marathitis area of south-east Siphnos (location of tower* **29** *centre middleground).*



I.33 *Alluvial pocket of land at Apokofto on south coast.*



I.34 *Maquis landscape south-west of Plati Yialos. Traces of terrace cultivation in upper centre.*



I.35 *Maquis landscape in western Siphnos (Panayia Tosou Nerou). Traces of terrace cultivation in centre middle-ground.*



I.36 *Arable land above Vlikhada Bay, western Siphnos. Traces of terraces on limestone formations (left background), cultivation of schist pocket (bottom right).*



I.37 *Ayios Andreas (centre background) from north-east.*



I.38 *Kastro from west.*



I.39 *Ayios Nikitas walls from west.*



I.40 *Ayios Nikitas walls looking south-west.*



I.41 *Philladhaki from below (west). Platform (upper right), walls (left, centre and right middle-ground).*



I.42 *Philladhaki from above (east).*



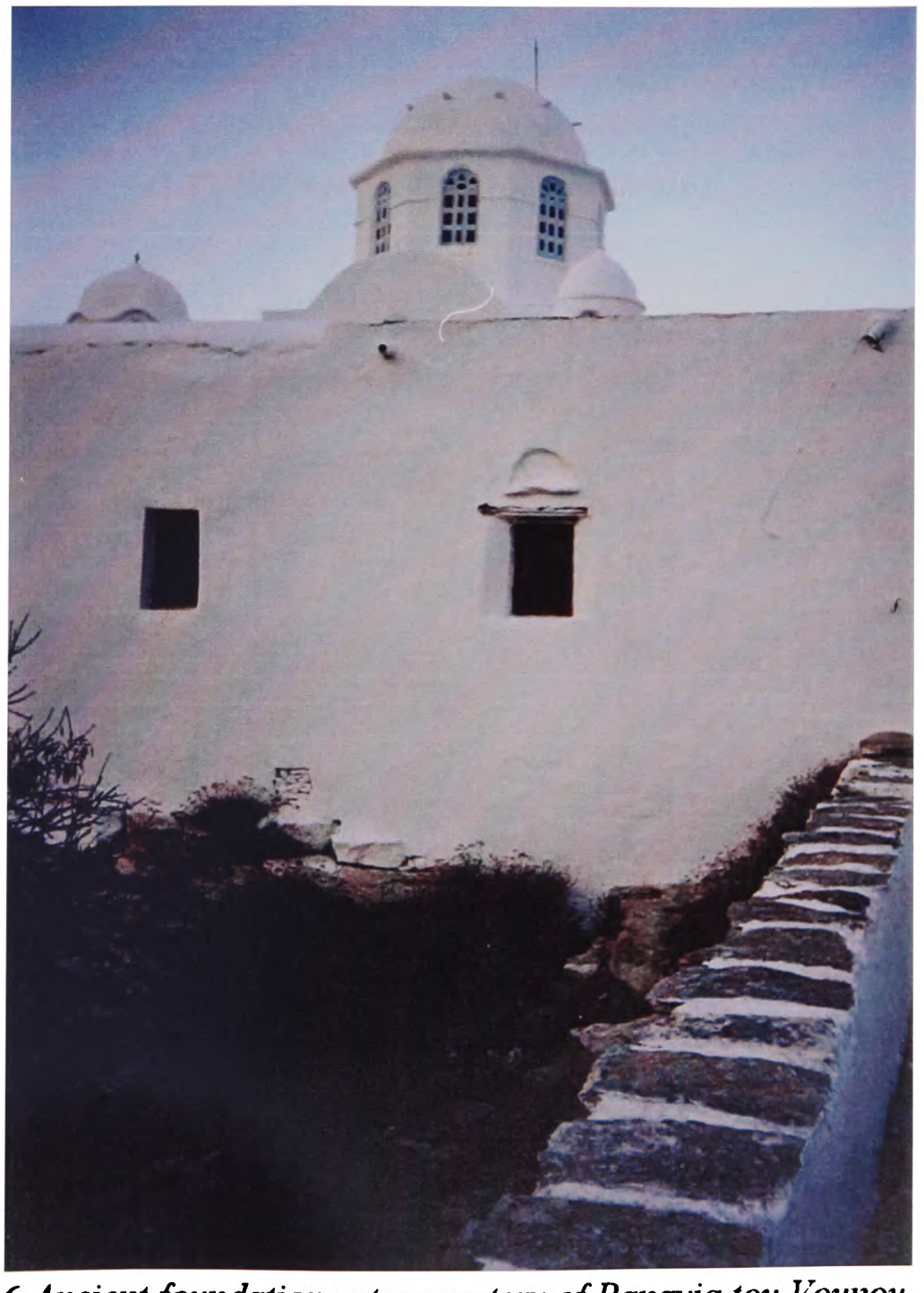
I.43 *Philladhaki from below (north-west). Platform (background), walls (centre foreground).*



I.44 *Philladhaki walls running north-south from platform.*



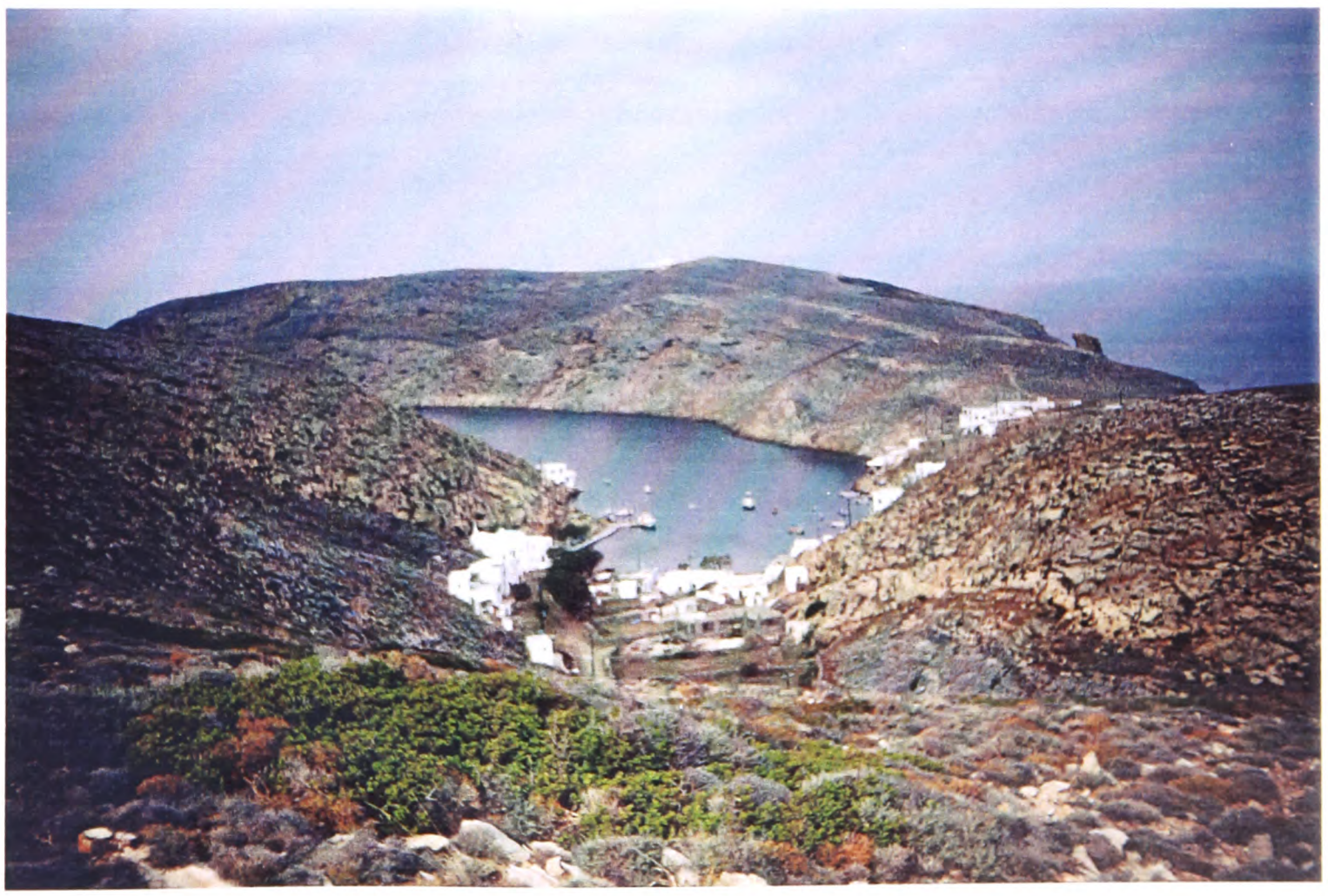
I.45 *Philladhaki platform masonry (north corner), viewshed west over Kamares bay.*



I.46 *Ancient foundations at monastery of Panayia tou Vounou.*



I.47 *Kheronisos bay from north-east.*



I.48 *Kheronisos bay from south.*



I.49 *Kheronisos bay from south.*



I.50 *Sea passage Siphnos-Seriphos (centre background). Kheronisos bay (left).*



I.51 *Vroulidia bay.*



I.52 *Yialoudia bay.*



I.53 *Kamares bay from south-west. Alluvial plain and cultivation (centre middle-ground).*



I.54 *Entrance to Kamares bay from south-west (Profitis Elias). Maquis landscape below, traces of terrace cultivation (bottom left).*



I.55 *Vathi bay from east (Vigla). Kimolos in background.*



I.56 *Entrance to Vathi bay from north. Sea passage south-west to Melos island group (Kimolos - right, Poliegos - left).*



I.57 *Vathi bay from north. Alluvial land around coast, terrace cultivation on slopes.*



I.58 *Fikiada bay from north. Islet of Kitriani in background.*



I.59 *Fikiada bay from east. Maquis landscape (including wild olives) on limestone rock.*



I.60 *Plati Yialos bay from north (Panayia tou Vounou).*



I.61 *Apokofto bay from north-east (tower* **47***).*



I.62 *Apokofto bay from east. Alluvial pocket (centre middle-ground), remains of extractive activity (right background).*



I.63 *Faros bay from south-east looking towards Kitriani.*



I.64 *Faros bay from north. Alluvial soil (left), terraces on limestone formations (right background).*



I.65 *North entrance to Seralia bay.*



I.66 *Anchorages on west coast: Vlasi bay (bottom right), Aryiro bay (above Vlasi).*



I.67 *Anchorages on west coast: Tsokha bay from above (tower* **25***).*



I.68 *Anchorages on west coast: Vlikhada bay from east (tower* **34***).*



I.69 *Anchorages on west coast: Maquis landscape around Vlikhada bay (right middle-ground) northwards along west coast.*



I.70 *Ayia Marina tower complex, Keos from south-west.*

PLATES ACCOMPANYING SIPHNOS TOWER SITES

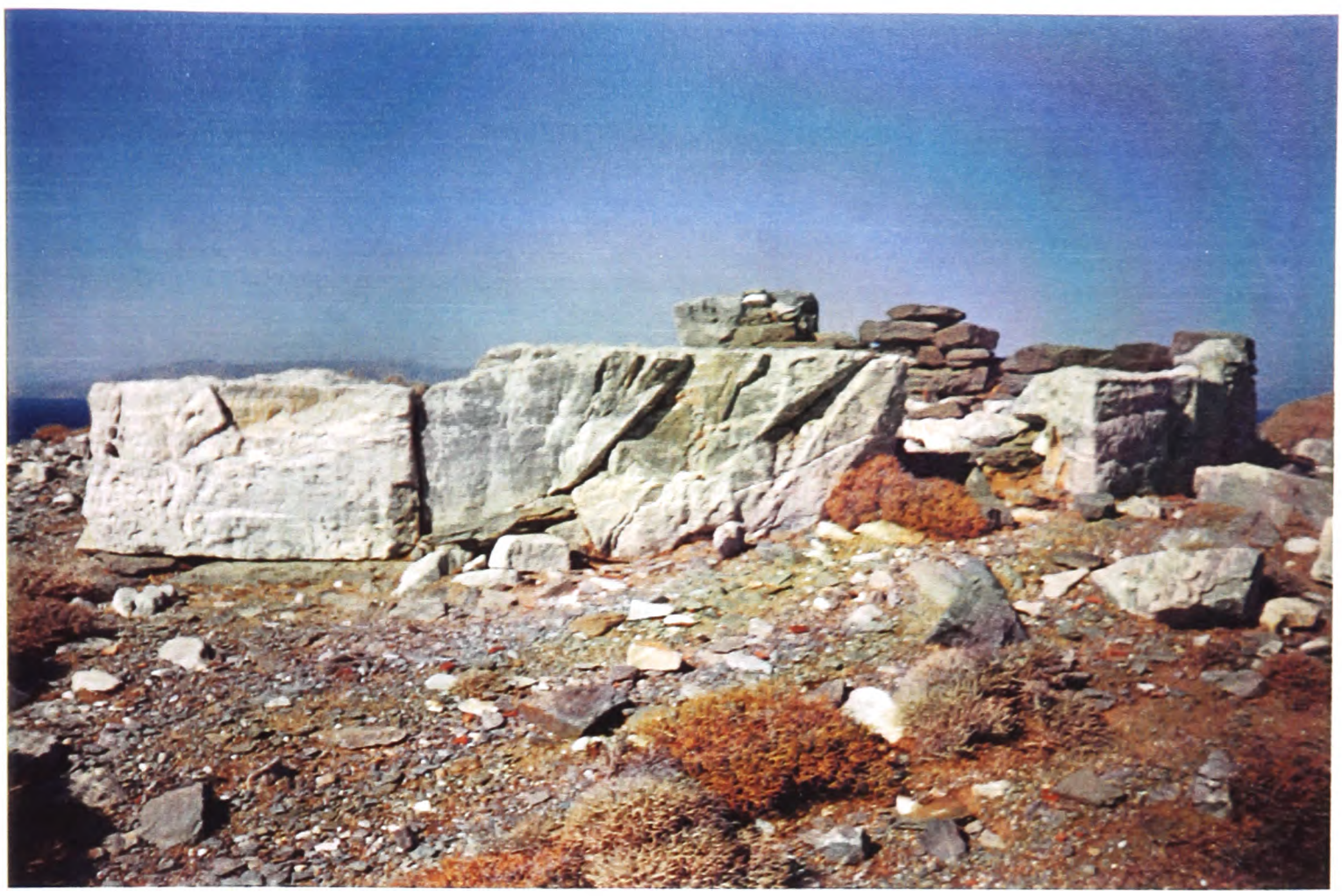
(PLATES I.1-55.2)



1.1 Tower site 1 from south. Seriphos to north (background right).



1.2 Tower 1 location from south. Ayios Yeoryios church to left.



1.3 Tower 1 marble masonry



2.1 Tower site 2 from south. Ayios Yeoryios church and 1 in background to north



3.1 Tower 3 masonry (foundations).



3.2 Tower site 3 and associated buildings (right).



4.1 Tower site 4 with modern farm building. Door jamb visible in south (other jamb displaced to east).



4.2 Tower site 4 (centre, background) from south.



5.1 Tower 5 masonry from south.



5.2 Coarseware pottery at tower site 5.



5.3 Tower site 5 (centre, background) and Ambourdekhti (foreground).



6.1 Patched masonry on north side of tower 6 above trapezoidal blocks. Adjoining field walls to north and east.



*6.2 Vroulidia bay from east. Traces of terraces on north and south slopes. Approximate location of towers **5** and **6** marked.*



*8.1 Tower site **8** from north. Tower remains centre foreground. Building rubble below right.*



8.2 Gallery entrance adjacent to tower 8.



9.1 Tower site 9 (left, middle-ground).



***9.2** Door jamb entrance (south-south-west).*



***9.3** North side of tower 9 inner wall lining.*



9.4 Marble ashlar masonry on north external face.



10.1 Tower 10 schist masonry and jamb entrance.



10.2 Double block wall adjoining tower 10 on east side.



11.1 'Arch' entrance of tower 11 from inside looking west. Chamfer groove and recess hole in left block.



11.2 'Arch' entrance of tower 11 from west.



12.1 Location of reported tower 12 looking west over Kokkalas promontory. Circular pattern marked in centre.



13.1 Masonry, rubble fill and adjoining walls of tower 13 from north.



14.1 Threshold of tower 14. Bevelled horizontal and vertical margins.



15.1 Buttressed south face of tower 15.



15.2 Tower 15 buttress from north east.



17.1 Viewshed north from tower 17. Building foundations centre foreground and right. Cistern centre middleground.



18.1 Tower 18 inner wall, north side.



18.2 Cross-hatched 'Siphnian' pithoi fragments at tower 18.



19.1 Rubble filled jamb entrance of tower 19 looking south.



19.2 Tower 19 masonry, jamb entrance to south. Traces of adjoining wall bottom left.



19.3 Tower site 19 from south.



19.4 Gallery entrance in area south of Katergou.



20.1 Tower 20 entrance and viewshed to north



***20.2** Tower 20 entrance interior. Keystone and chamfered springers. Cut holes on right.*



***21.1** Tower 21 masonry and rubble fill (west side).*



***22.1** Tower 22 (foreground left) jamb entrance. Tower site 21 centre, background.*



***23.1** Tower 23 masonry west side.*



23.2 View from tower 23 south. Platform wall runs from bottom right to left foreground, cistern below and centre. Other platform walls below cistern and left.



23.3 Fragment of basin with banded relief, amphora handles and pithos fragment ca. 2m from **23**.



24.1 Tower 24 rubble masonry construction.



24.2 Foundations of structures situated below tower 24.



25.1 Tower 25 masonry from south.



25.2 Plaftorm wall and adjoining building below tower 25.



25.3 Coarseware ceramics at tower site 25.



26.1 Location of tower 26 (right middle-ground).



27.1 Upper courses of tower 27.



27.2 'Arch' entrance of tower 27 with grooved springers in place. Internal and external earth fill (centre foreground, background).



28.1 Ashlar pseudo-isodomic masonry on south-west side of tower 28.



29.1 Tower 29 trapezoid schist masonry and rubble (north side).



***30.1** Tower site **30** looking south.*



***30.2** Arrangement of internal architecture at tower **30**. 'Fan-slabs' projecting from central column. Staircase in bottom right foreground. Dividing wall to left.*



31.1 Rubble foundations of buildings located approximately twenty metres south-west of tower 31. Jamb entrance centre background.



31.2 Marble platform at entrance to gallery located approximately 50m west of tower 31.



32.1 Tower 32 masonry (foreground) and re-worked blocks in windmill circumference (background).



32.2 View east from tower 32 (Kastro in background).



33.1 Tower 33 looking west to Vlikhadha bay below. Traces of walls to left.



33.2 Trapezoidal isodomic and irregularly coursed marble on western face of tower 33.



34.1 Tower 34 masonry.



35.1 Tower 35 inner wall (schist masonry).



***36.1** Ashlar isodomic masonry of inner wall lining and corbelled cantilever staircase on north side of tower 36.*



***36.2** Tower 36 masonry circumference on north-east side, incorporated into field wall.*



***36.3** Tower 36 jamb entrance from south.*



***36.4** Fragments of pithoi at tower site 36.*



37.1 Tower 37 masonry and adjoining wall to north.



37.2 Adjacent walls and buildings from tower (left). Abandoned village of Mavro Khorio (right).



***38.1** Tower **38** schist masonry on north west side.*



***39.1** Tower **39** location (road construction debris to right).*



***39.2** Trapezoid schist masonry on north side of tower **39** (gap in masonry to right).*



***41.1** Tower **41** masonry on north east side.*



41.2 Location of tower 41 looking south east.



42.1 Viewshed from tower 42 south-west to Vathi bay. Large masonry block to right.



***42.2** Tower **42** masonry and rubble fill from north-west. Rock outcrop to left, large masonry block to right.*



***43.1** Remains of tower **43** incorporated into modern shoreline building (centre right). Submerged remains to left (out of picture).*



***44.1** Tower **44** from south-east with jamb entrance to left and adjoining walls. Note ashlar and trapezoidal blocks used in bottom courses of adjoining walls.*



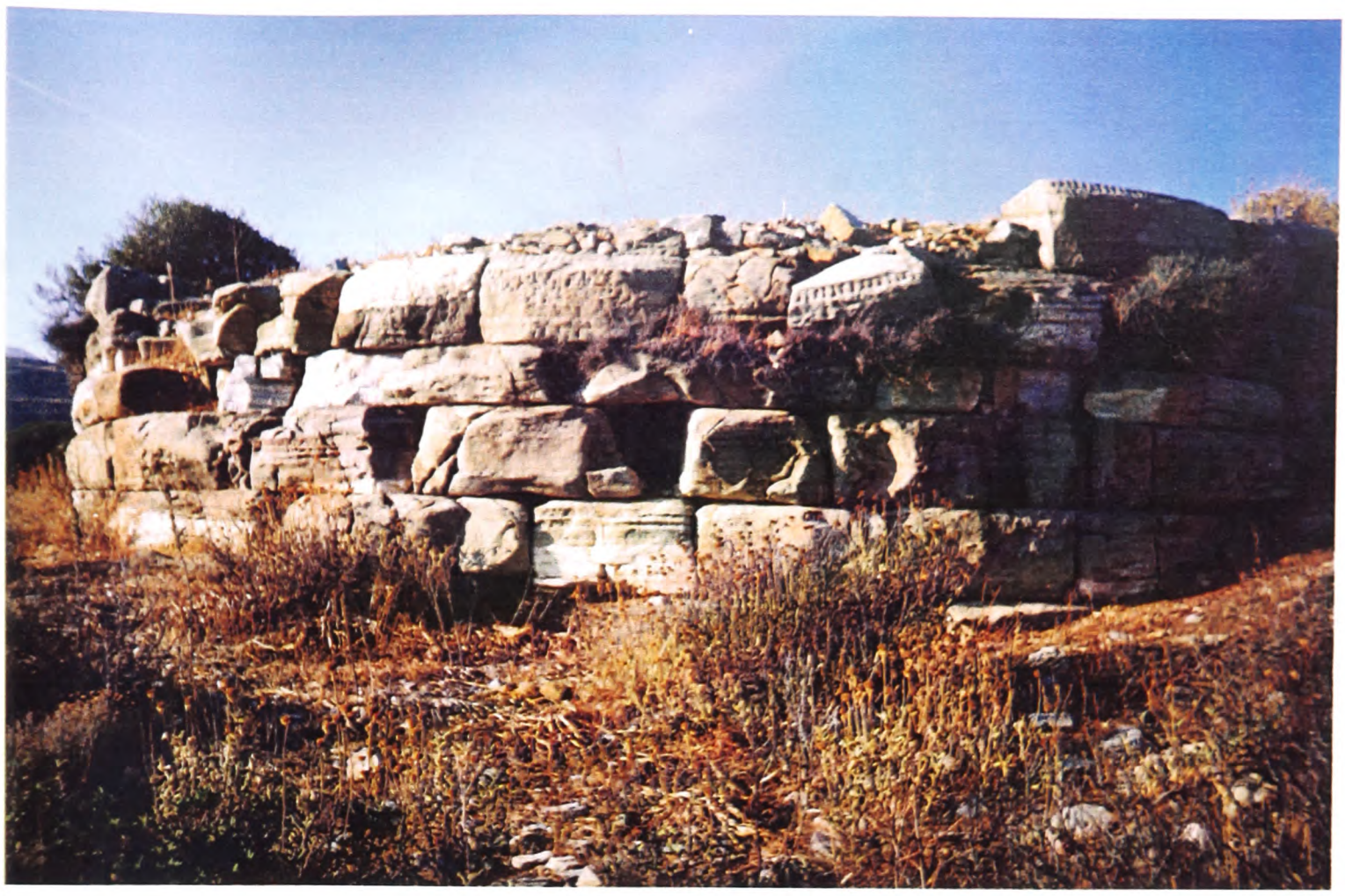
***44.2** Tower **44** masonry and rubble looking south-west.*



45.1 Tower 45 limestone masonry on north-west external face.



46.1 Location of tower 46 with adjoining (modern) farm building, looking south towards Plati Yialos.



47.1 Ashlar isodomic and pseudo-isodomic masonry of tower 47 from south-east. Bevelled horizontal edges with parallel tool marks visible on blocks in upper right.



47.2 Field walls adjacent to the west of tower 47. Masonry (lintel ?) re-used in walls.



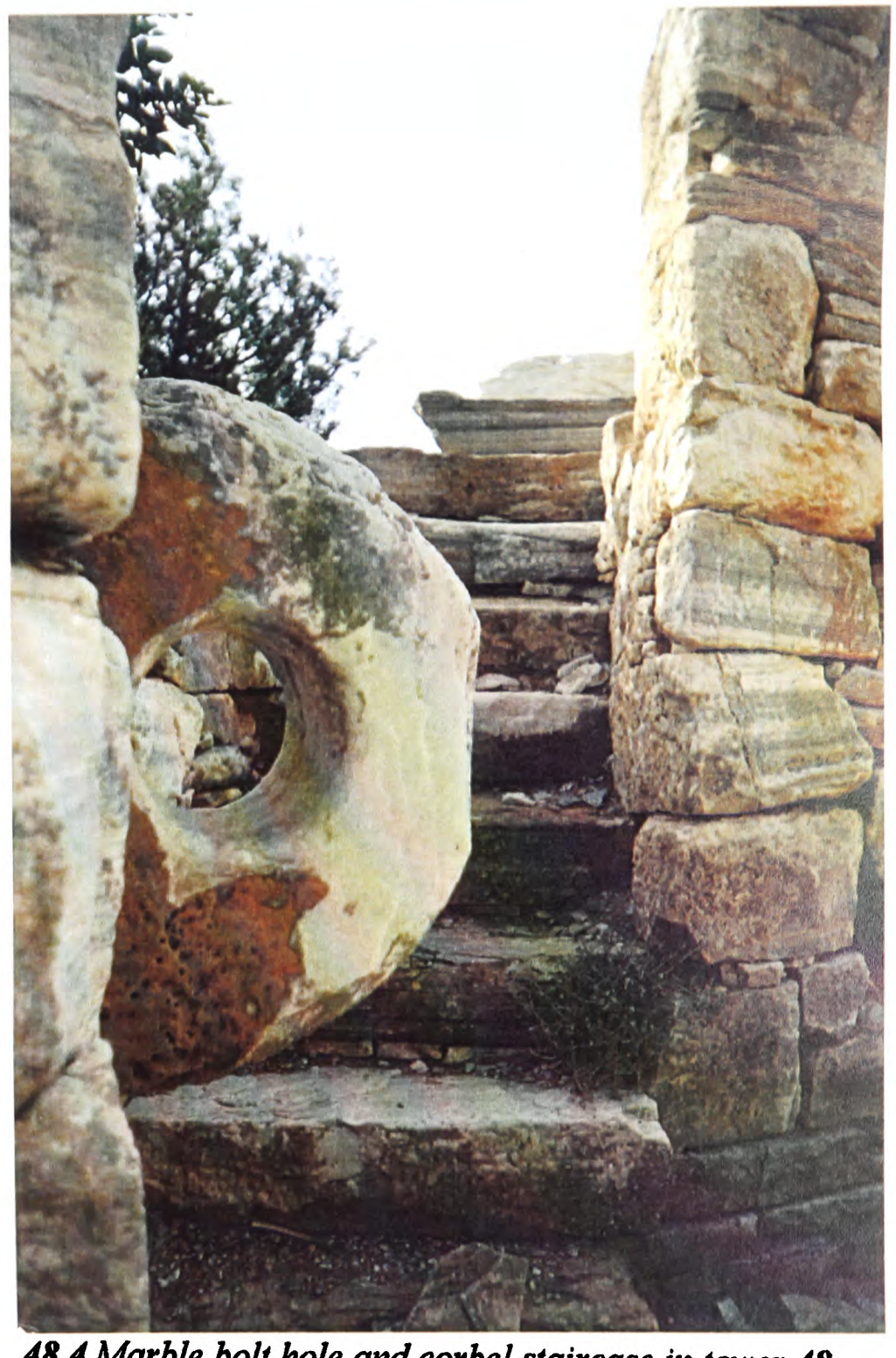
***48.1** External masonry of Tower **48** from north.*



***48.2** Dividing walls and central internal room of tower **48**. Marble bolt holes adjacent to entrance (centre background).*



48.3 Press stones (centre foreground), stone cistern cover in central room of tower 48.



48.4 Marble bolt hole and corbel staircase in tower 48.



***49.1** Ashlar isodomic masonry on south-east side of tower **49**.*



***50.1** Location of tower **50**.*



51.1 Tower 51 looking north-west to Vathi bay. Re-use of masonry with mortar - original blocks visible in bottom left.



52.1 Tower 52 external masonry, adjacent curved walls.



52.2 Tower 52 adjoining wall foundations.



52.3 Adjoining curved wall bonding with tower 52 masonry.



53.1 Tower 53 masonry and rubble fill from east.



53.2 Tower 53 site from north. Extensive rubble foundations. Building foundations and lintel to bottom right.



53.3 Tower 53 site from east overlooking Kakos Potamos river valley. Extensive rubble foundations.



54.1 Masonry and rubble fill on north-east side of tower 54.



***54.2** Tower site **54** from south (adjacent walls to right).*



***54.3** Rock-lined well at tower site **54**.*



55.1 Rubble masonry on west side of tower 55.



55.2 Rubble foundations of buildings adjacent to tower 55 overlooking coast to the south.