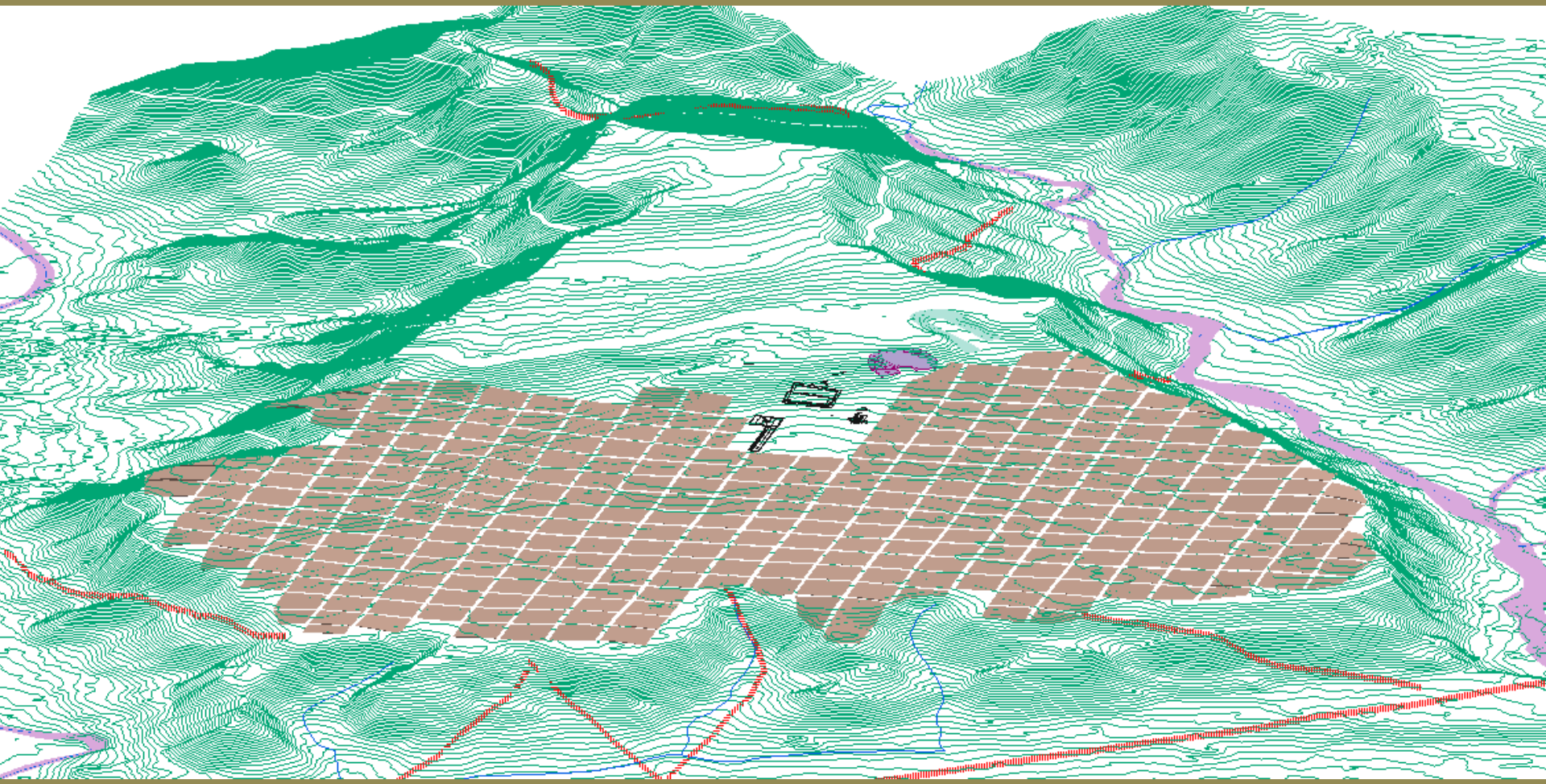
Ματιές στην Πόλη: μεταξύ αρχιτεκτονικών και αρχαιολογικών προσεγγίσεων



Γιάννης Λώλος: Επιφανειακή έρευνα και αστική αρχαιολογία

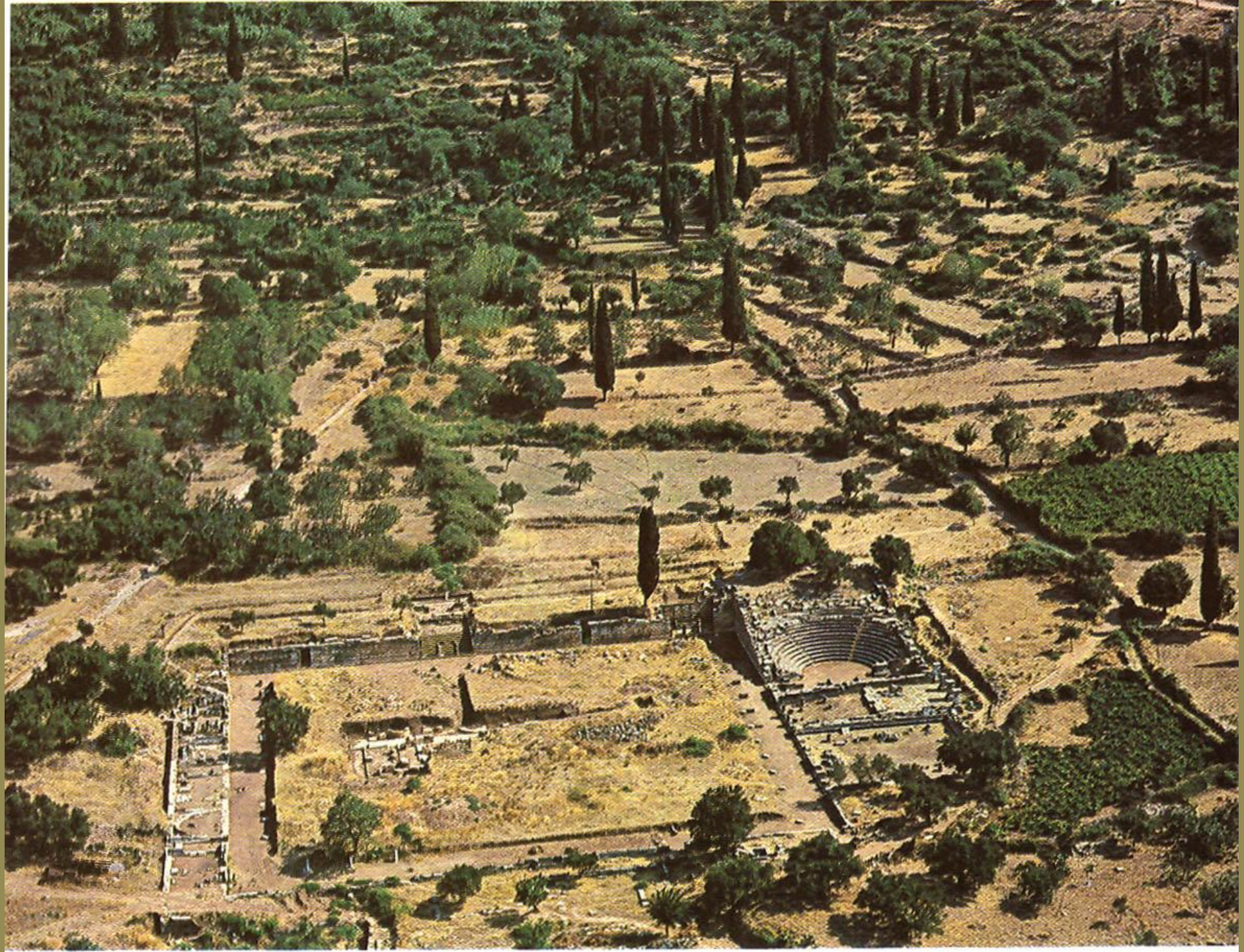


FIG. 5. Surface remains of city.

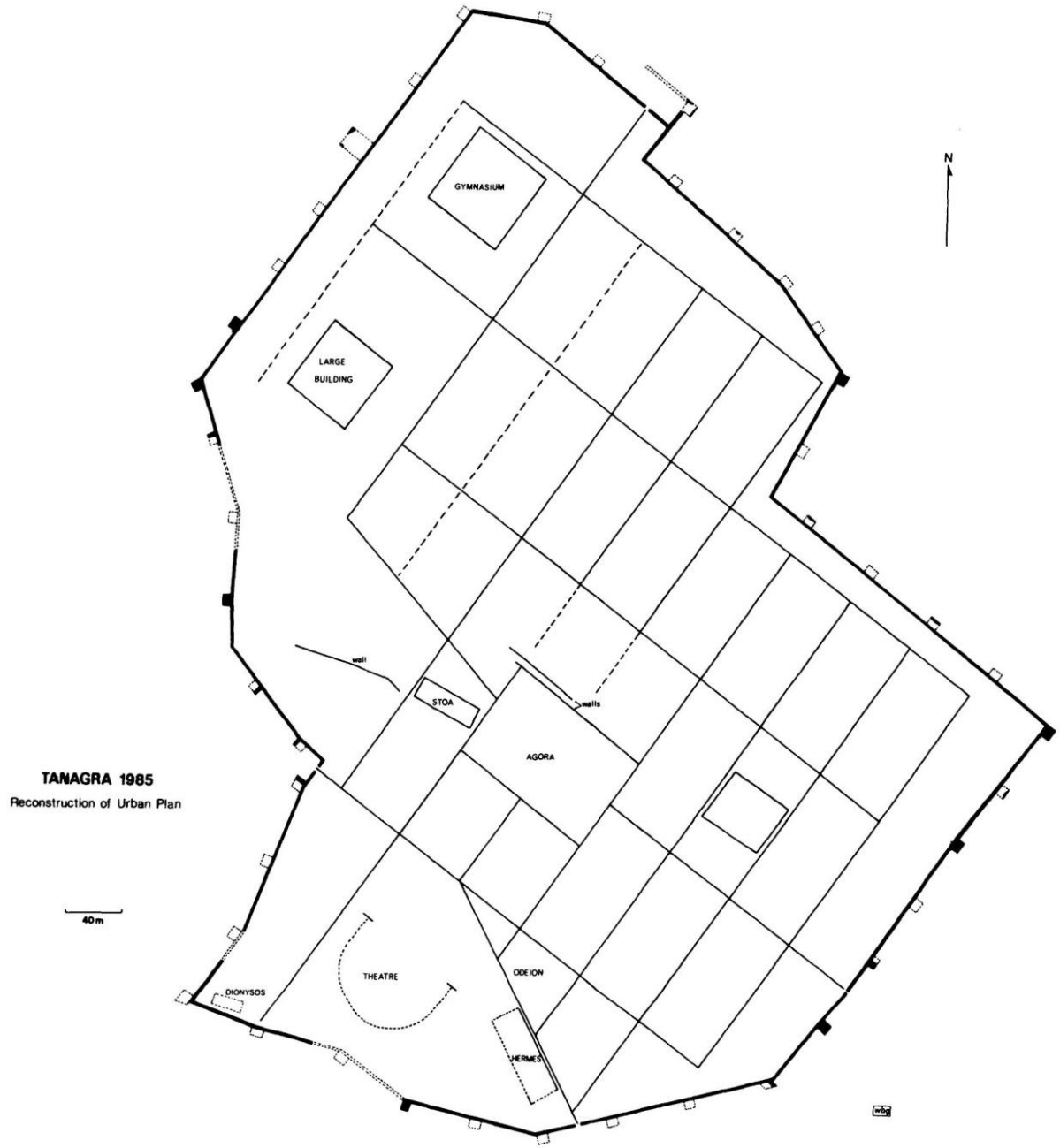


FIG. 6. Restoration of urban plan.

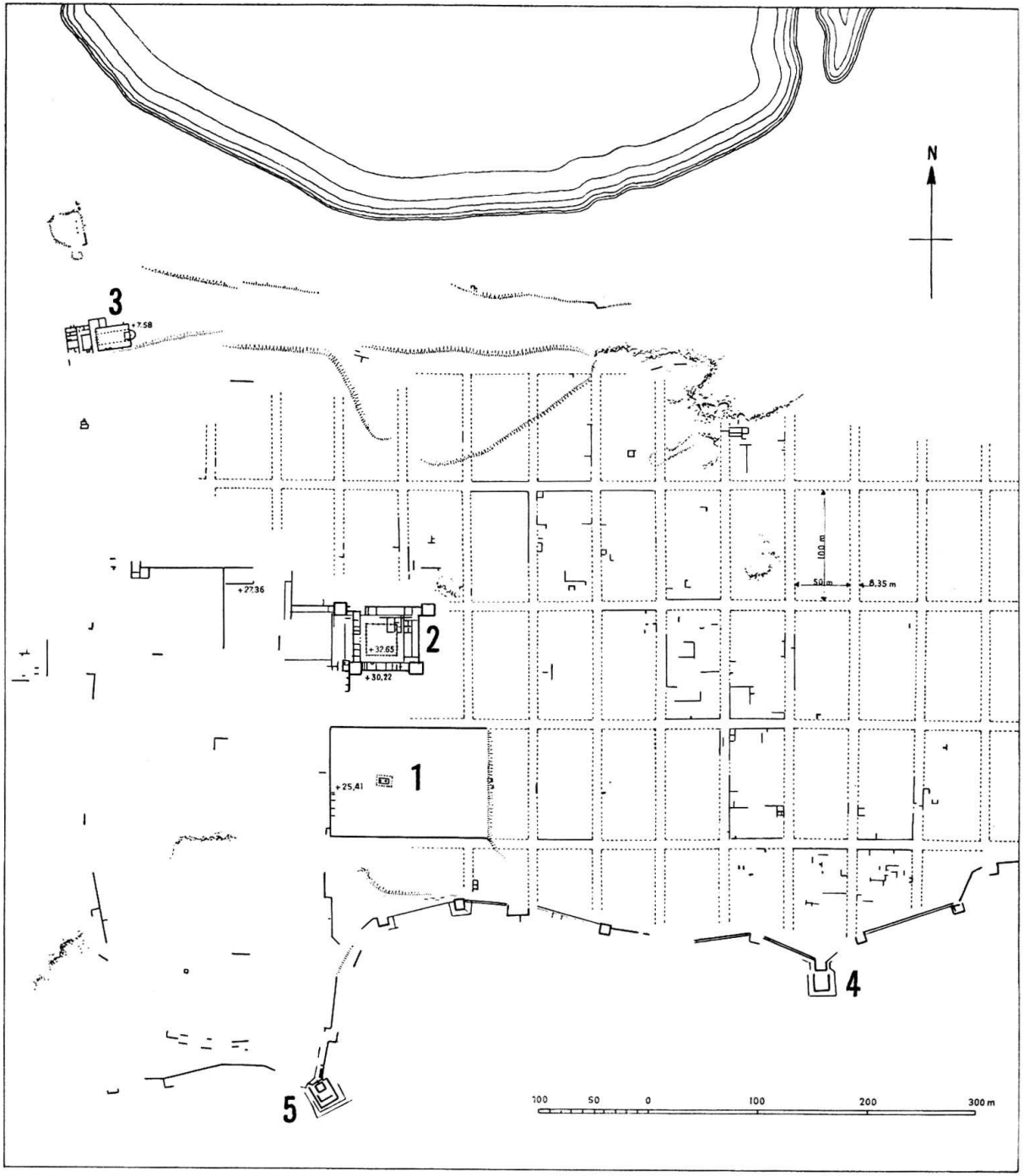


Fig. 68. — *Plan de Démétrias.*

Balloon photograph of Roussolakkos (courtesy of J. Wilson Myers).

"At Palaikastro, there seemed little point in collecting more of the LM destruction material which lies, usually in worn condition, in a dense scatter over much of the site."

MacGillivray, Sackett et al. *BSA* 79 (1984), σελ. 179.

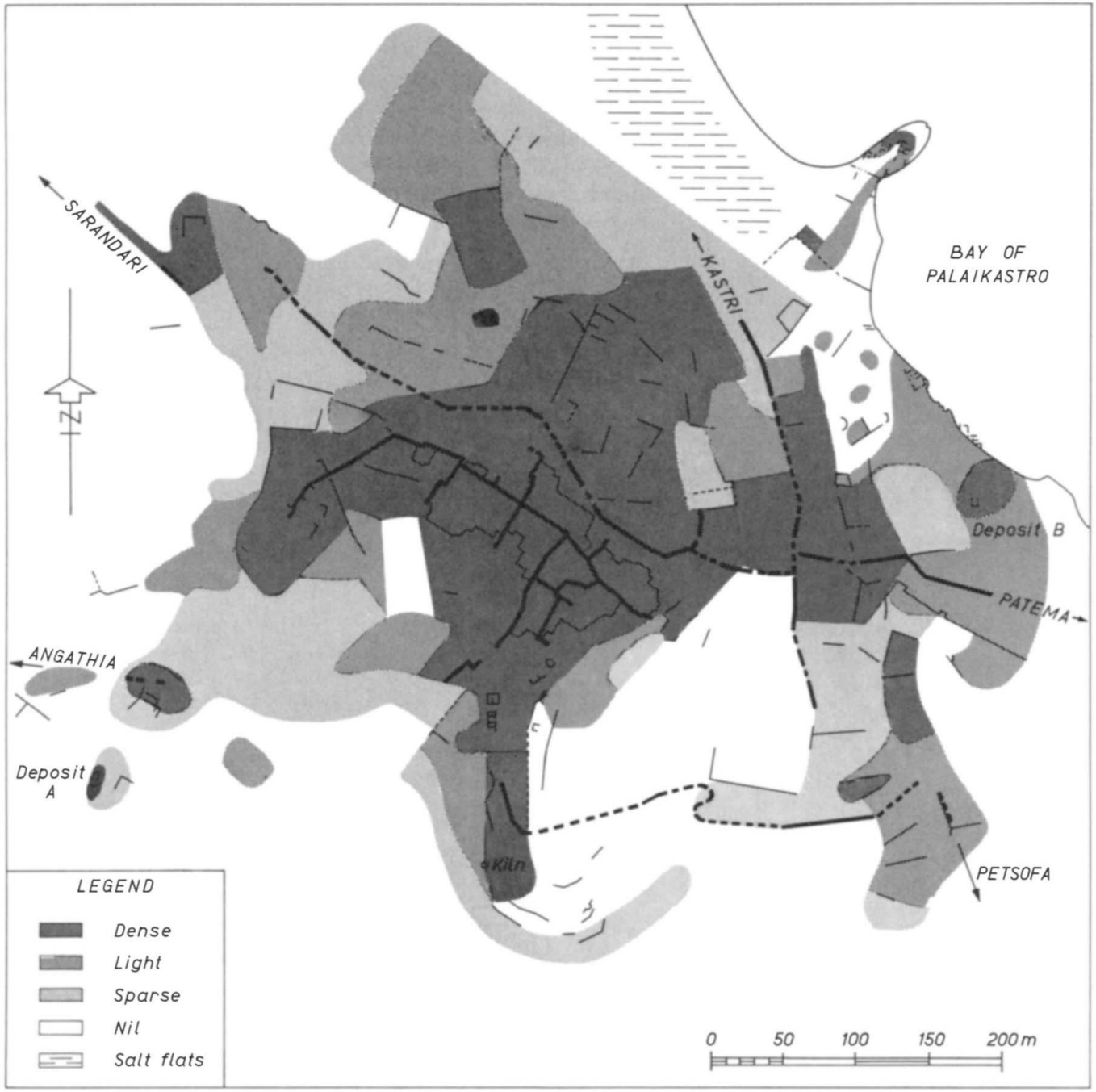


Fig. 3. Plan of Roussolakkos, showing sherd density and routes. Scale 1:4,500

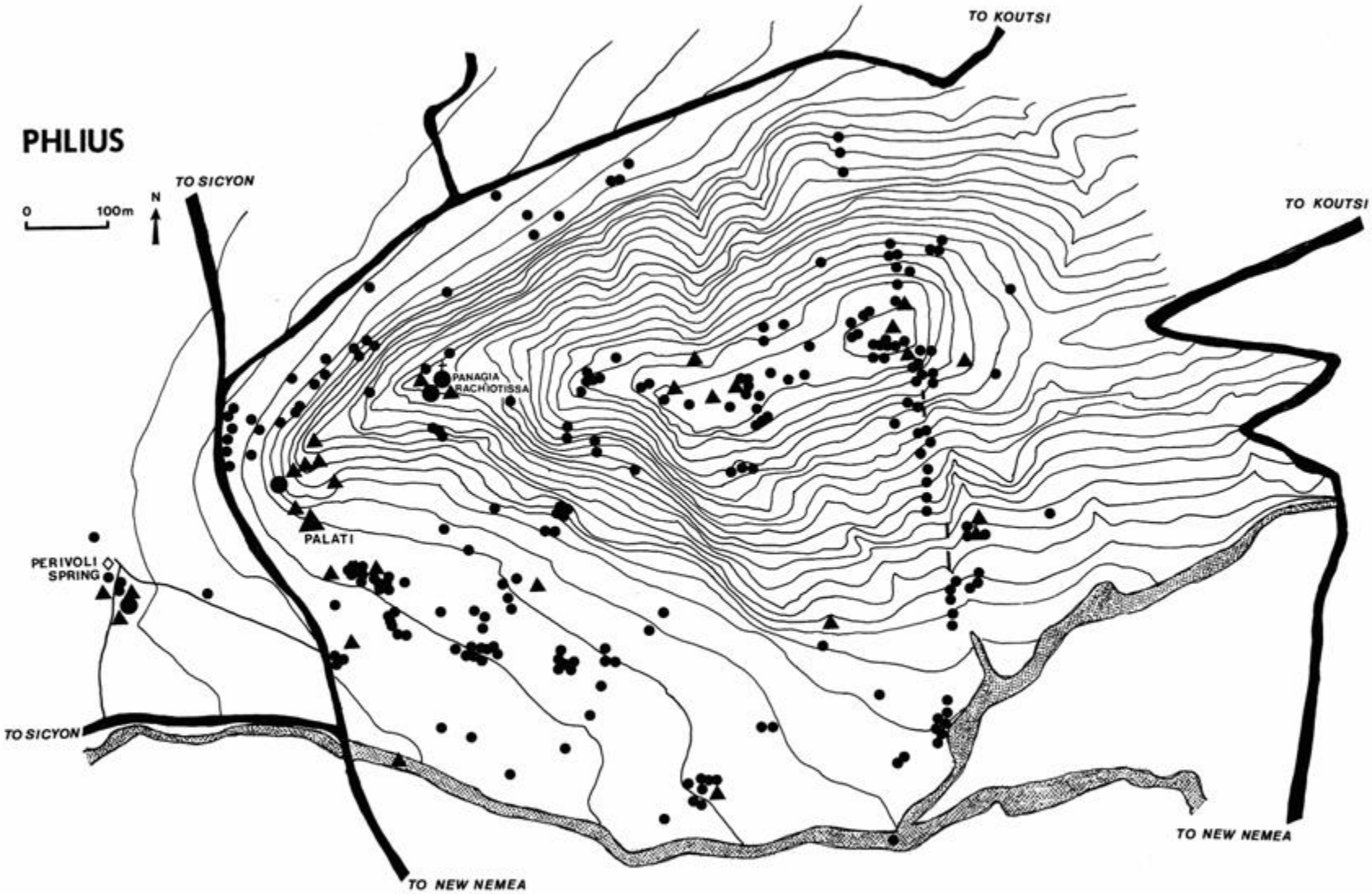
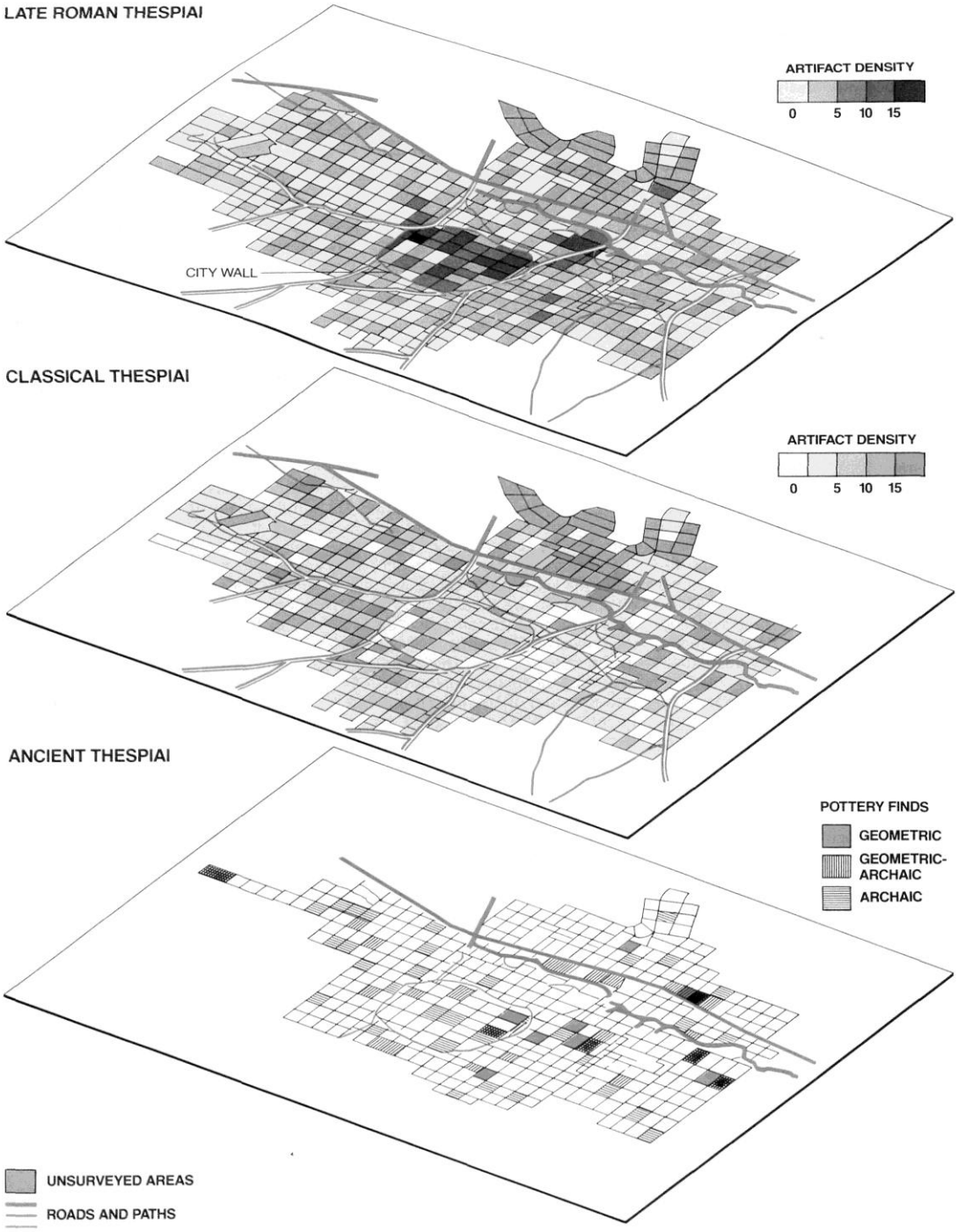
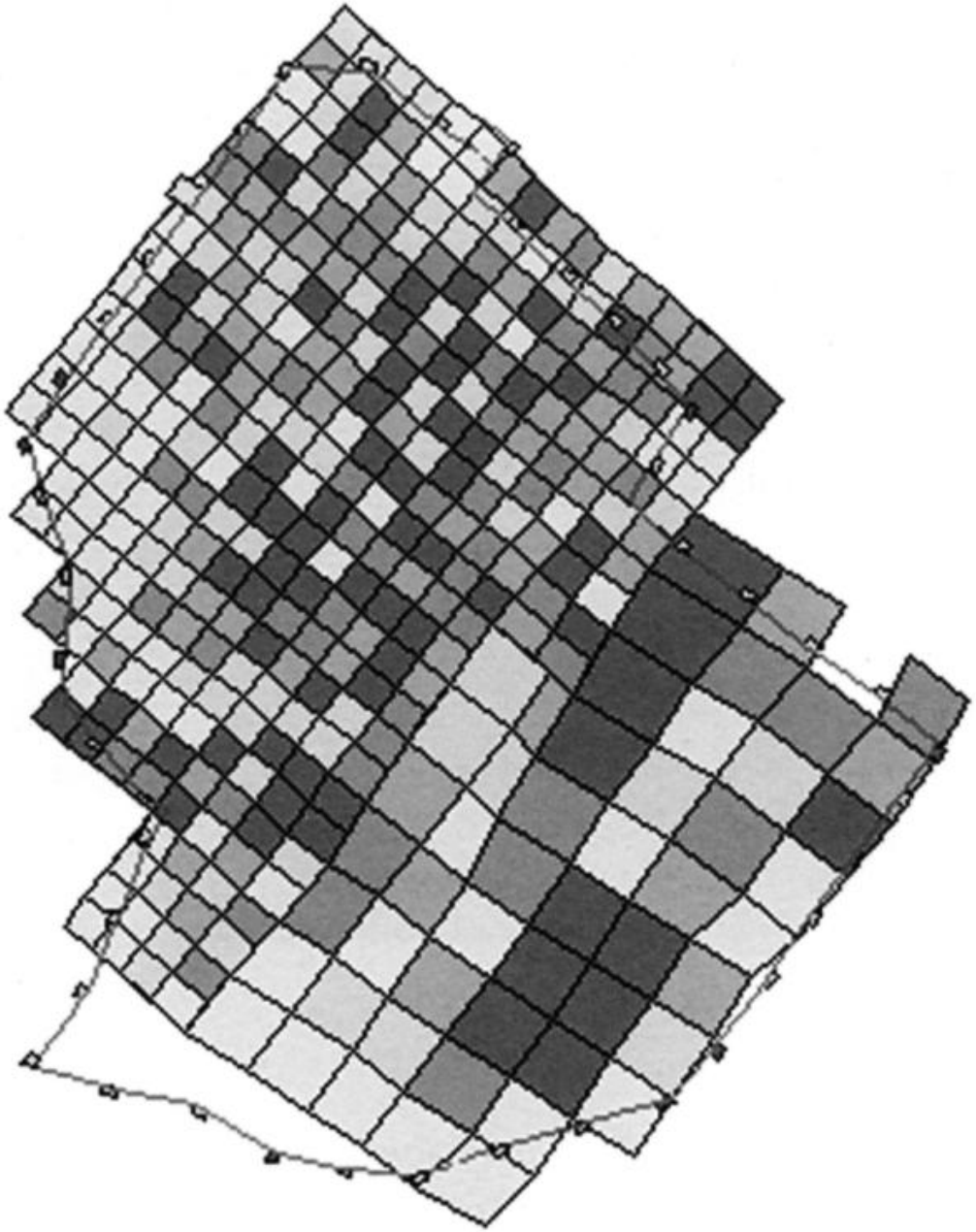


FIG. 3. Distribution of architectural remains at Phlius. ● = simple worked blocks; ▲ = other architectural elements; ▬ = extant stretches of the eastern city wall line

FIG. 8. Density of sherds observed in each tract at Phlius


LATE ROMAN THESPIAI
ARTIFACT DENSITY
0 5 10 15
CITY WALL
CLASSICAL THESPIAI
ARTIFACT DENSITY
0 5 10 15
ANCIENT THESPIAI
POTTERY FINDS
GEOMETRIC
GEOMETRIC-ARCHAIC
ARCHAIC
UNSURVEYED AREAS
ROADS AND PATHS



CITY pottery density
corrected by visibility per Ha

- 64,000 to 308,000
- 52,000 to 64,000
- 43,000 to 52,000
- 31,000 to 43,000
- 0 to 31,000

N

0 100 200m

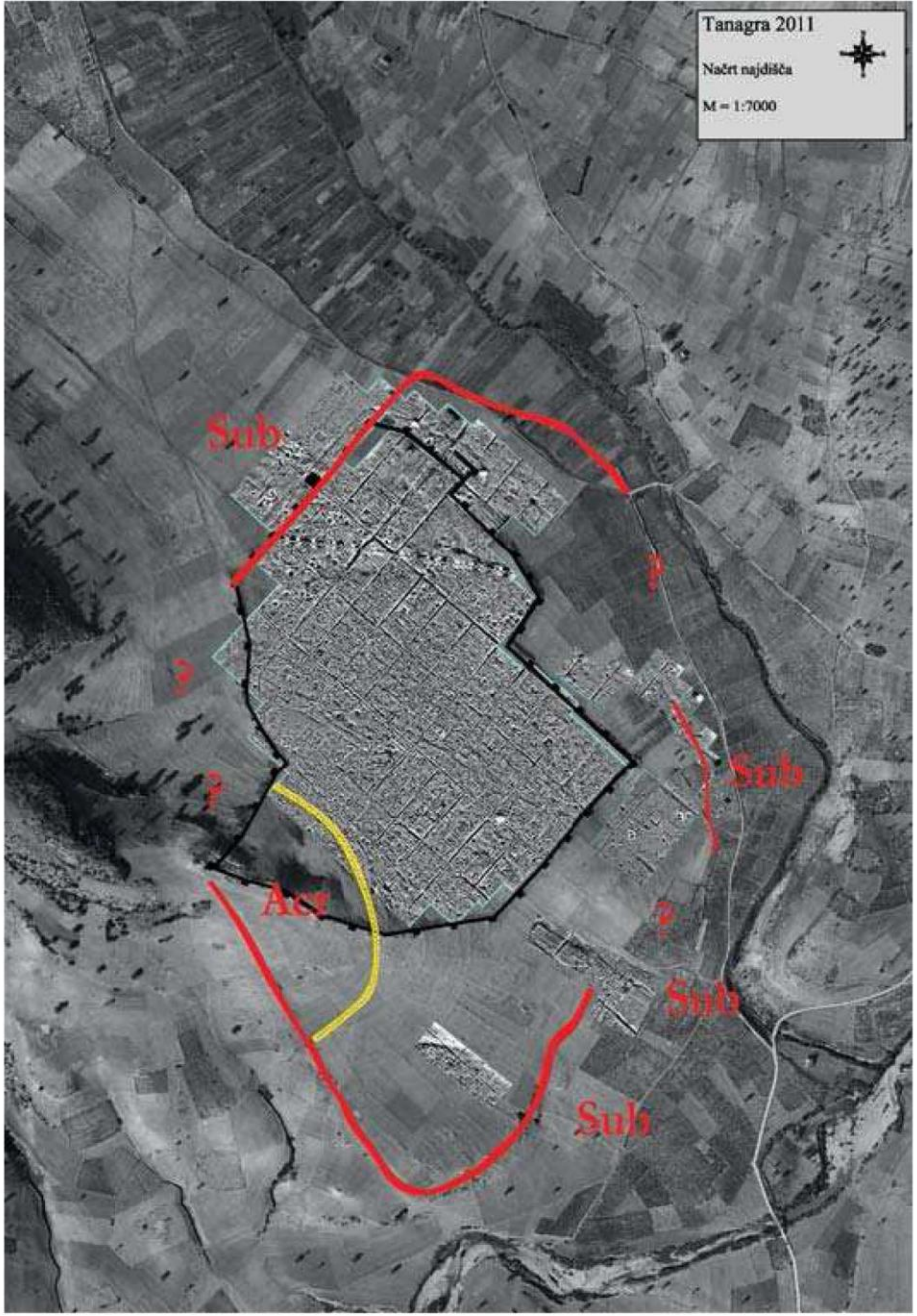
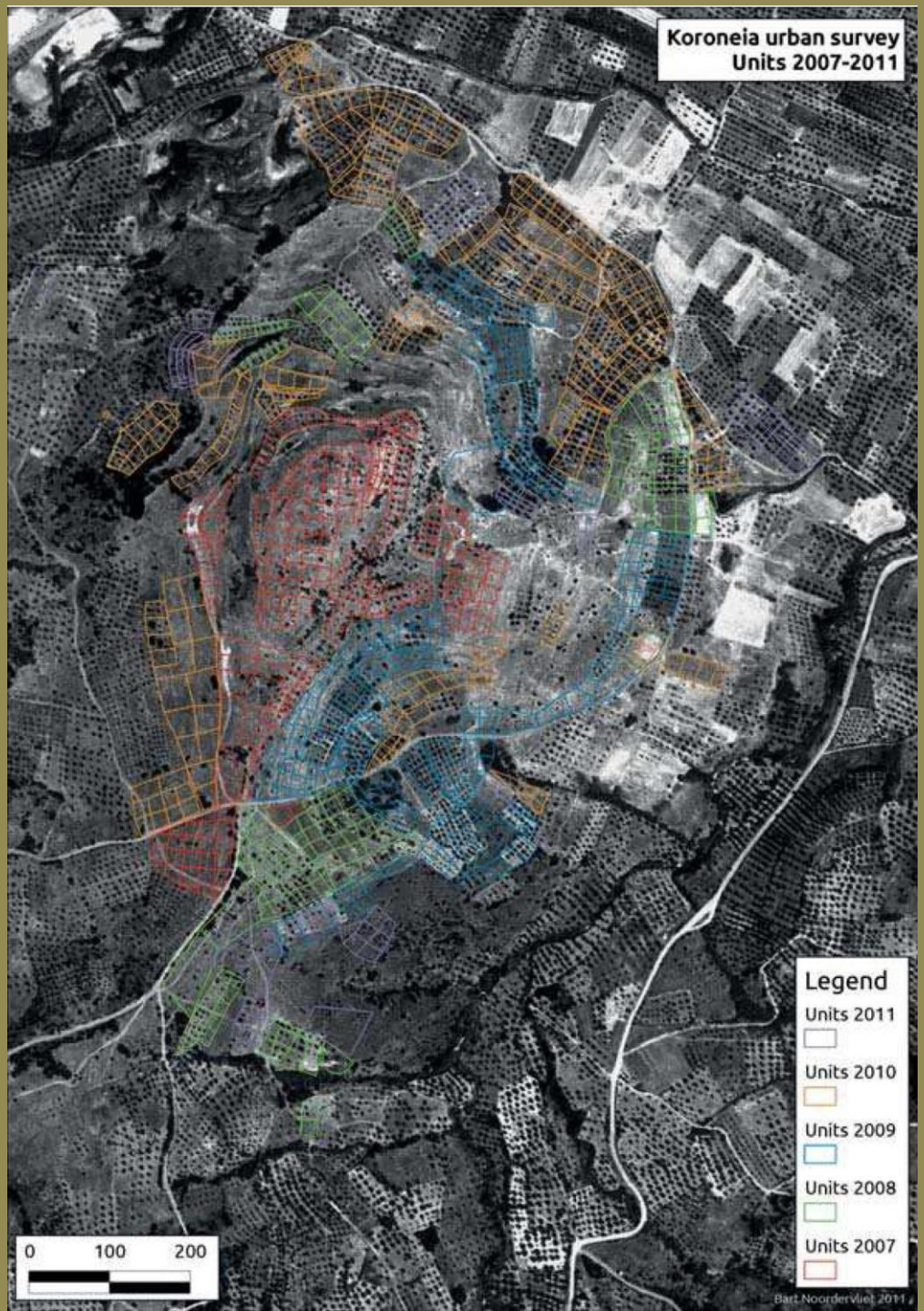


Figure 24. Tanagra city geophysical surveys north and east of the standing Late Antique enceinte reveal clear traces of the much larger town gridplan of Classical times. Also visible are provisional suggestions of the line of the Classical city wall and its acropolis, as well as possible extramural suburbs, outside of the standing Late Roman urban fortifications (B. Slapšak)


Koroneia urban survey
Units 2007-2011
Legend
Units 2011
Units 2010
Units 2009
Units 2008
Units 2007
0
100
200
Bart Noordervliet 2011

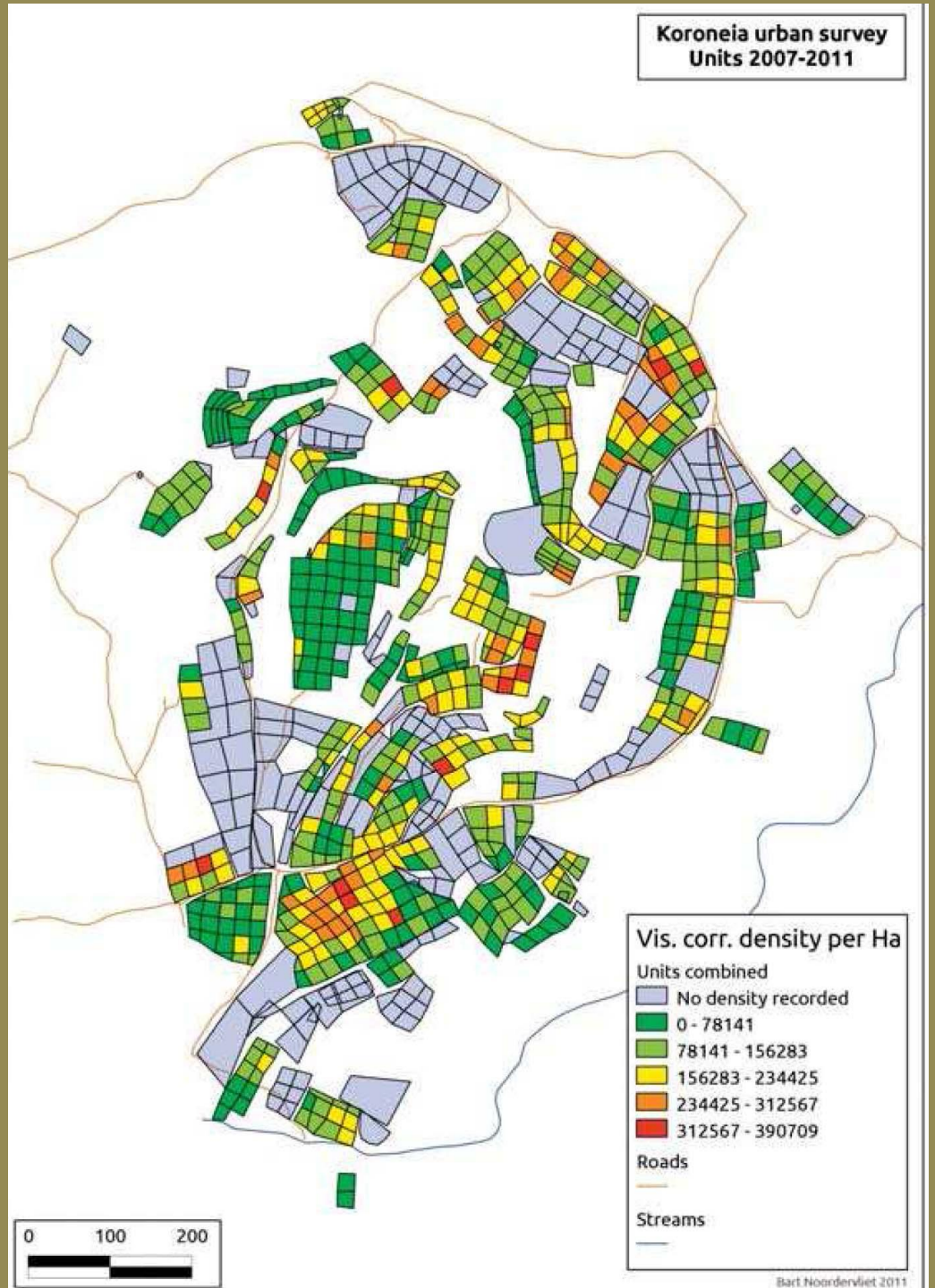

Koroneia urban survey
Units 2007-2011
Vis. corr. density per Ha
Units combined
No density recorded
0 - 78141
78141 - 156283
156283 - 234425
234425 - 312567
312567 - 390709
Roads
Streams
0
100
200
Bart Noordervliet 2011

Figure 17. Early stage virtual reality reconstruction of the acropolis and lower town of Koroneia in Hellenistic times (C. Piccoli)

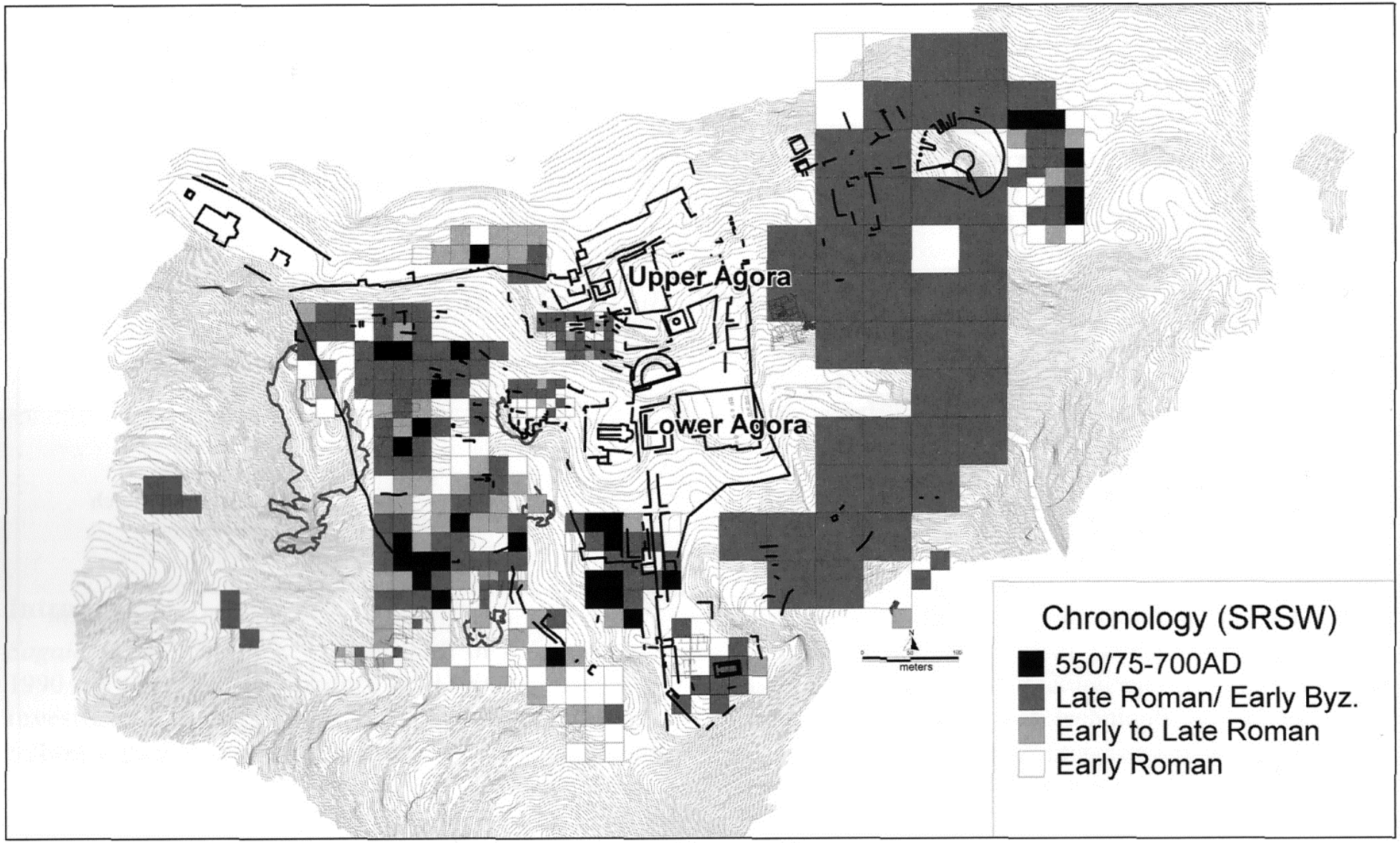


Figure 9.2 The chronological distribution of the surface finds, showing the youngest prevalent period per surveyed square (F. Martens).

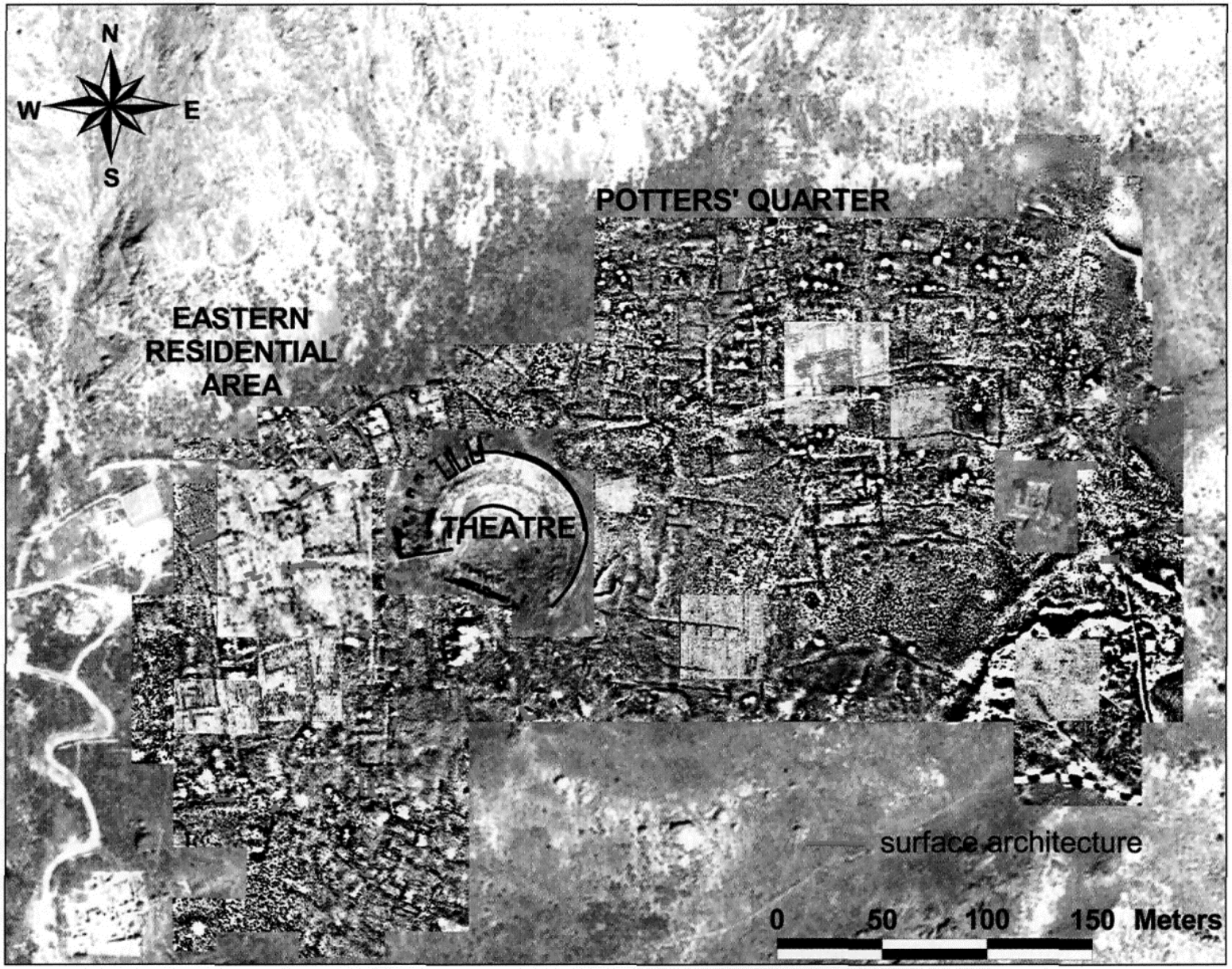
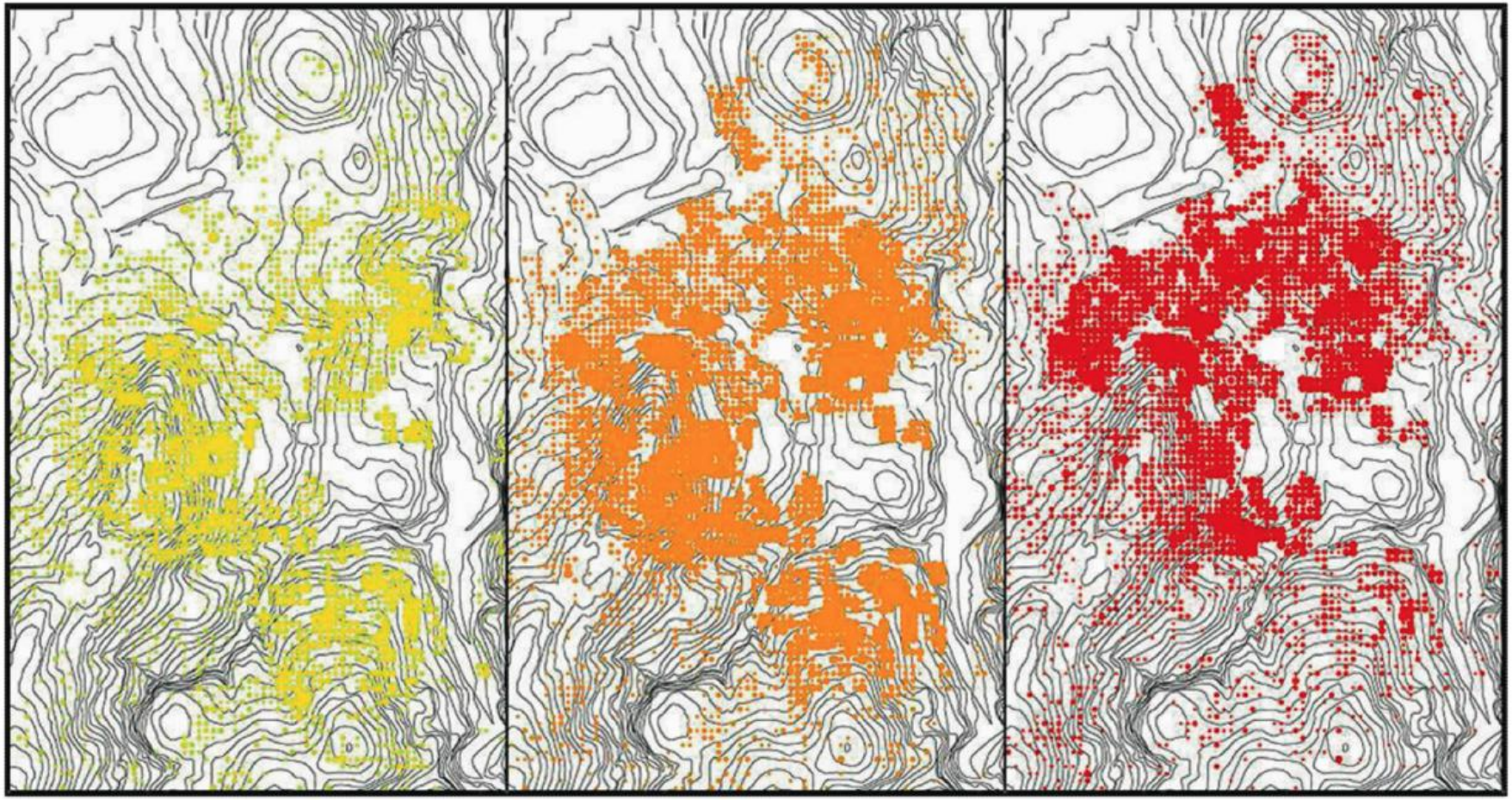


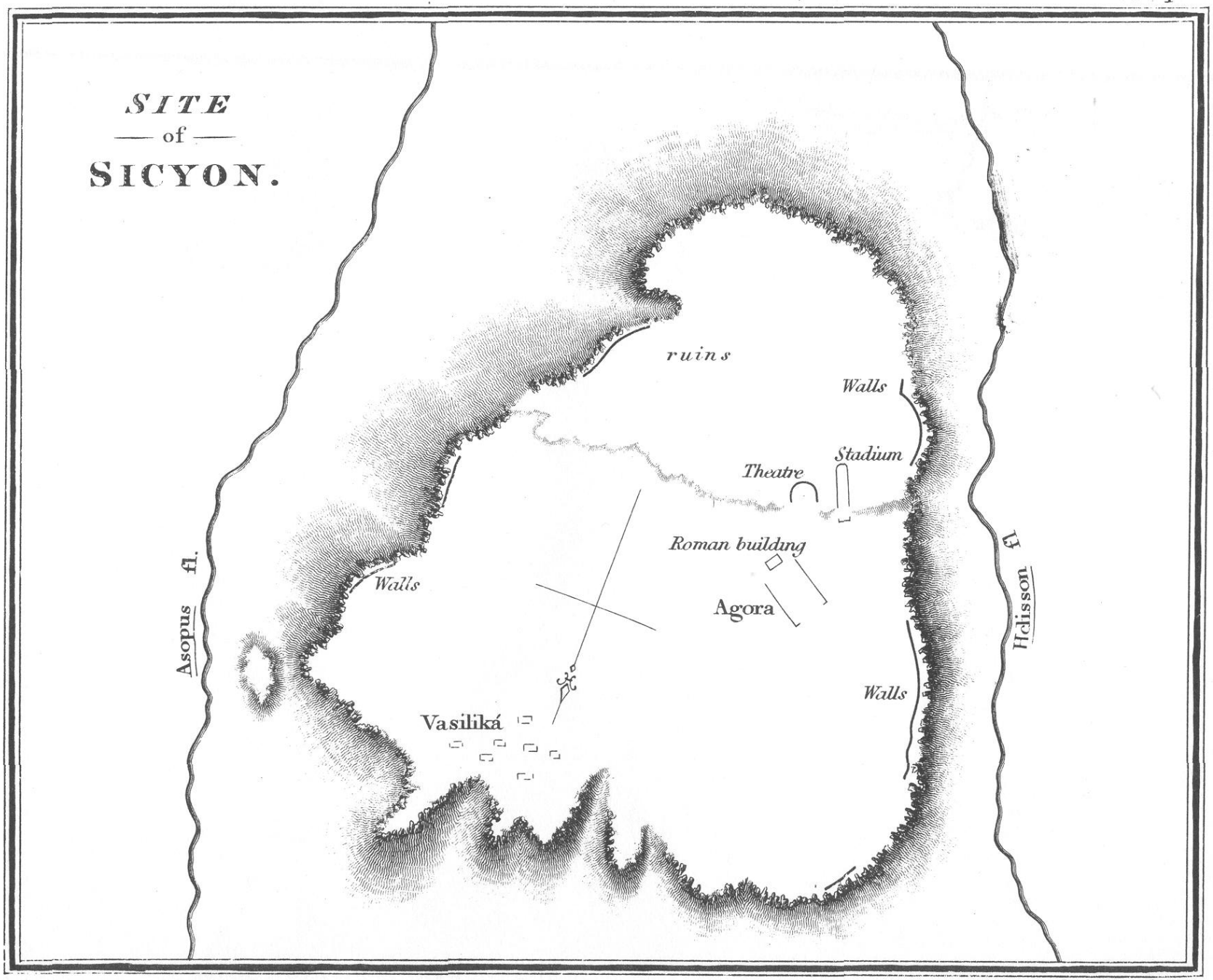
Figure 9.3 Selected GPR time slices and mapped surface architecture on the magnetometry map of the Eastern Residential Area and Potters' Quarter (B. Mušič; F. Martens) (Satellite image: © 2003: Digital Globe. All rights reserved. 19.09.2003 at 8.30 AM).

2η χιλιετία π.Χ. 1η χιλιετία π.Χ. 1η χιλιετία μ.Χ.

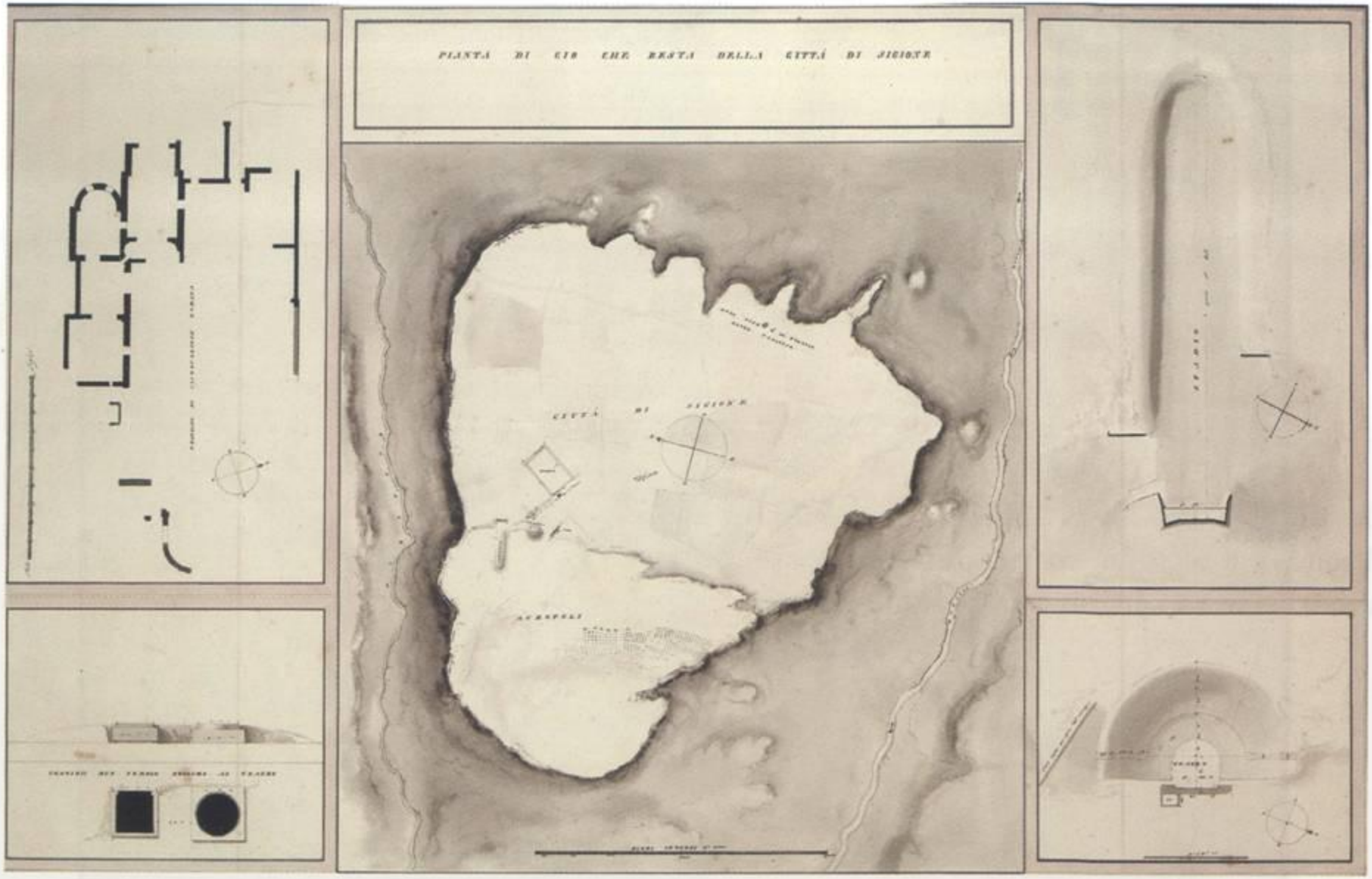


Εικ. 6. Διαχρονική εξέλιξη του αστικού κέντρου Κνωσού.


Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Data LDEO-Columbia, NSF, NOAA
Image © 2014 TerraMetrics
Google earth
2003
Imagery Date: 10/25/2013 37°58'46.59" N 22°42'21.31" E elev 232 m eye alt 976 m

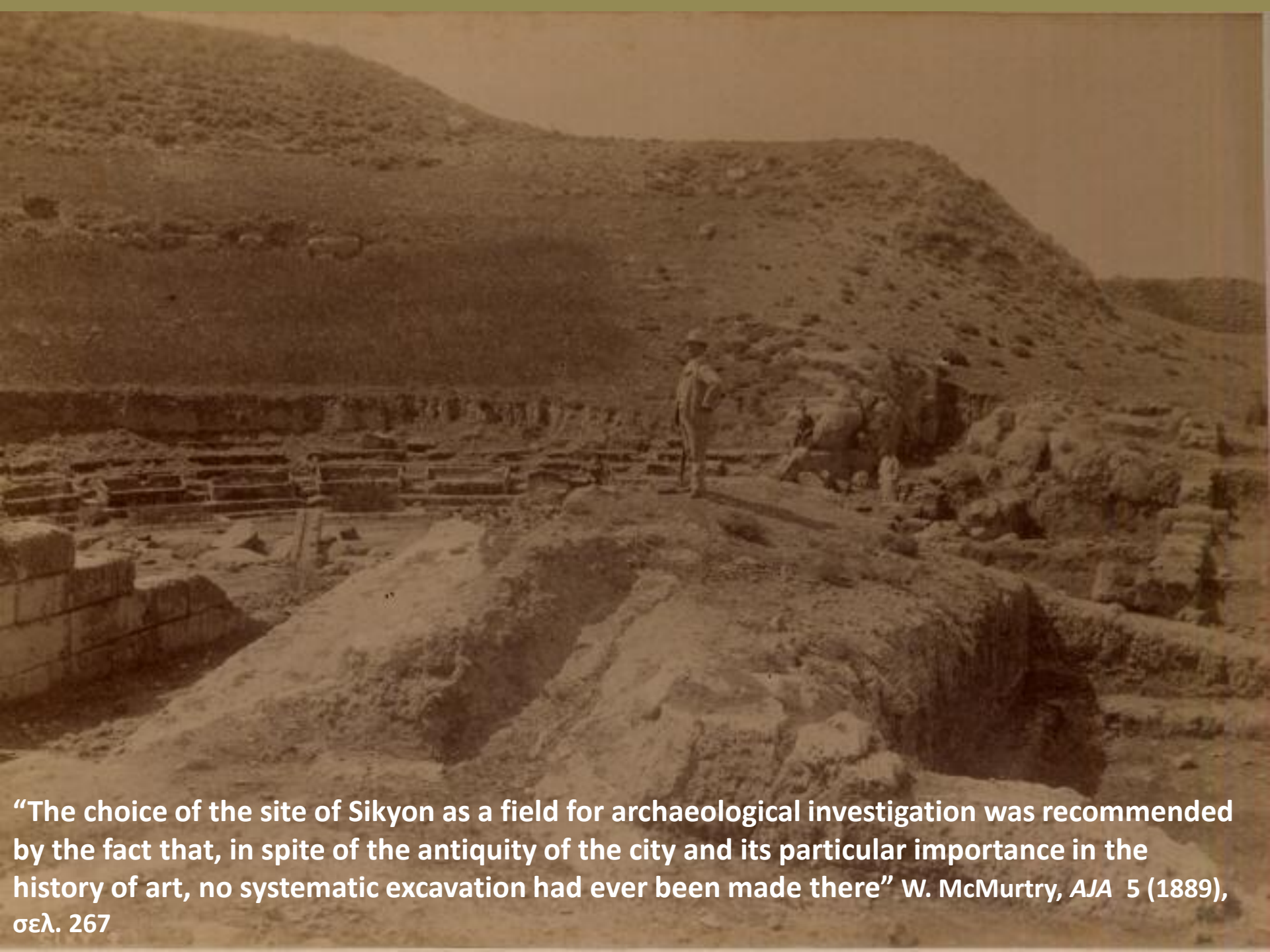


J. & C. Walker Sculpt.



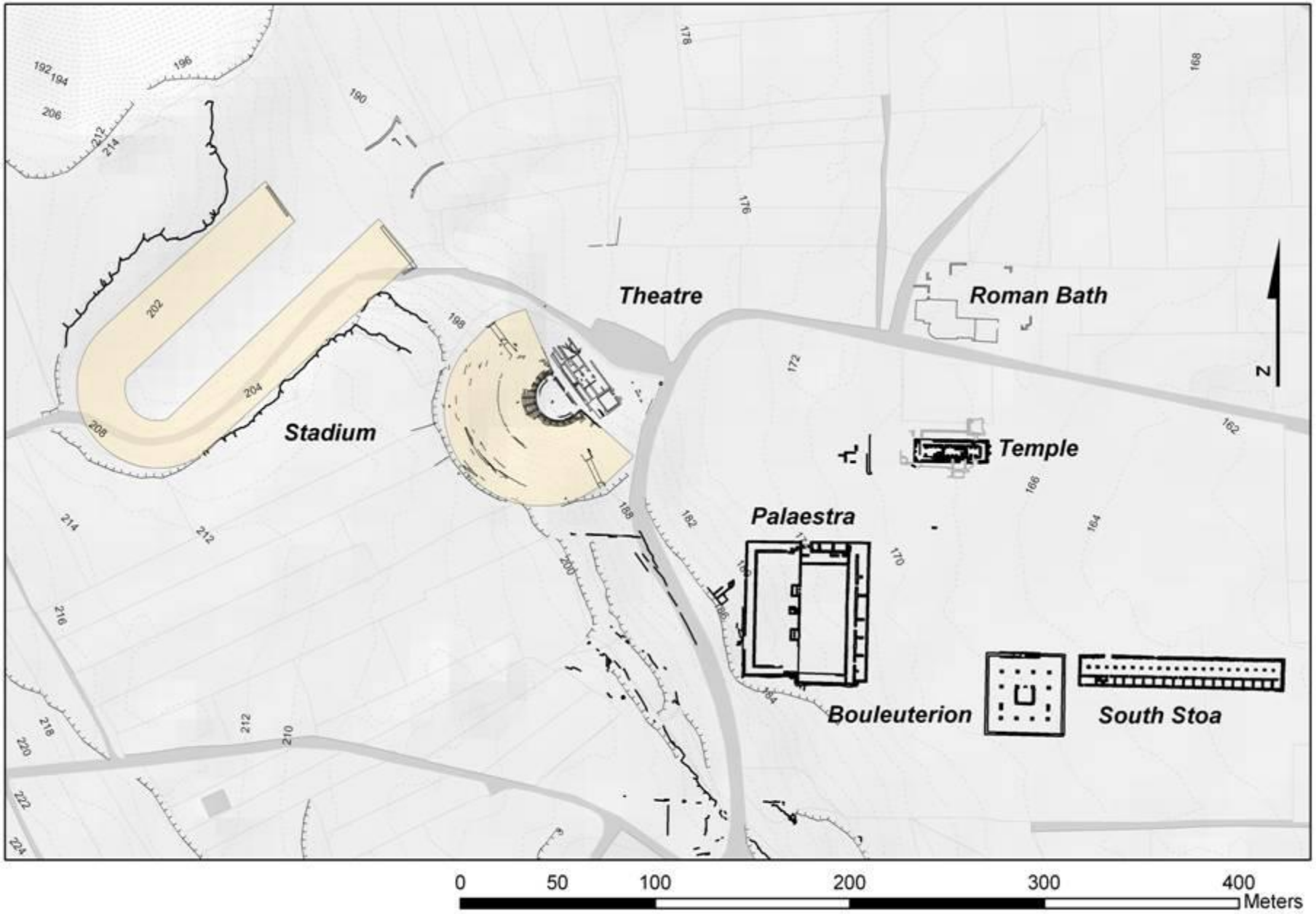
150. [Sebastiano Ittar], Remains of Sicyon, 1803 (© Copyright the Trustees of the British Museum, ED II, 7)

Expédition Scientifique de Morée (1838)

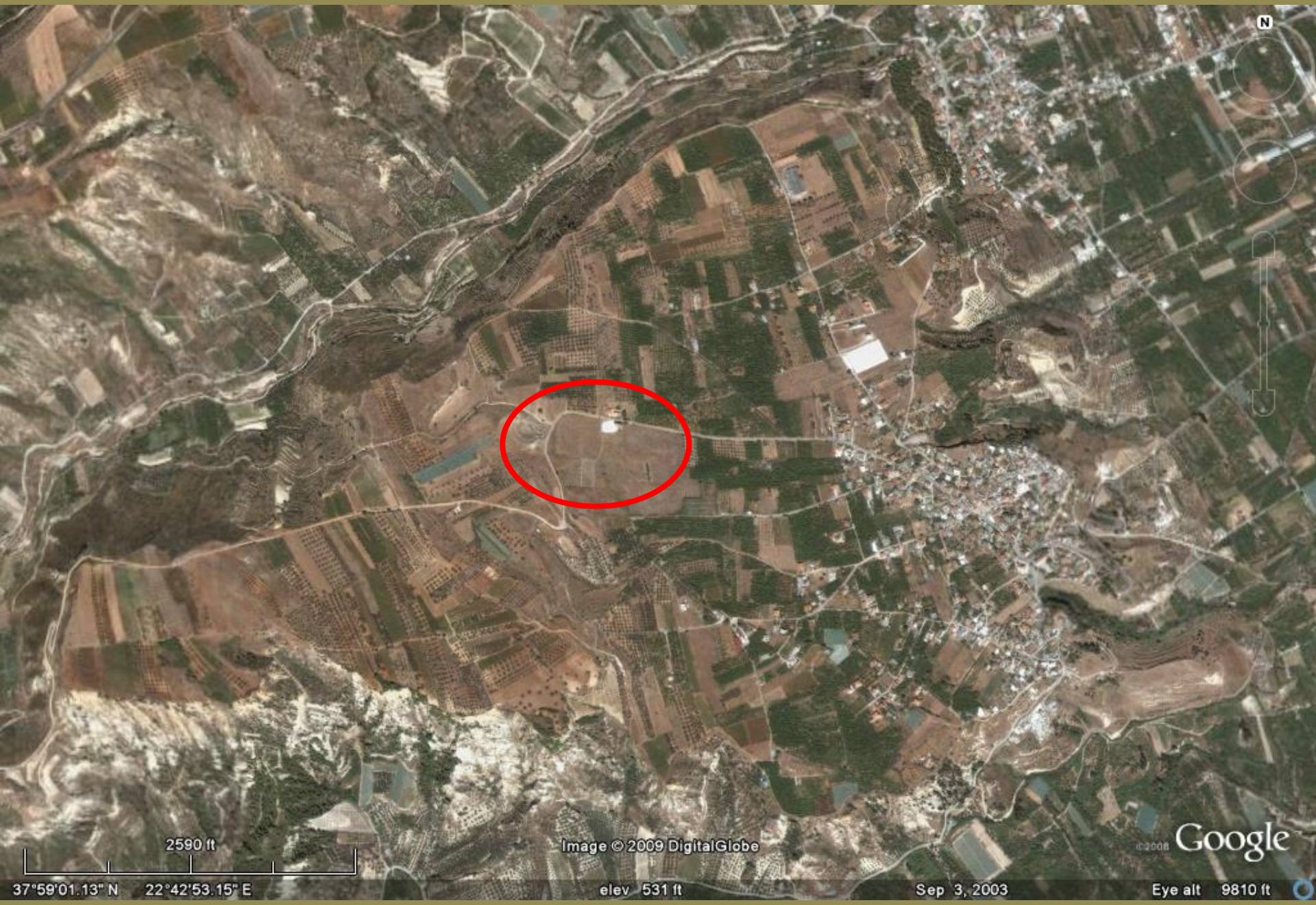


“The choice of the site of Sikyon as a field for archaeological investigation was recommended by the fact that, in spite of the antiquity of the city and its particular importance in the history of art, no systematic excavation had ever been made there” W. McMurtry, *AJA* 5 (1889), σελ. 267

Αρχείο Ορλάνδου: Η εν Αθήναις Αρχαιολογική Εταιρεία


Theatre
Roman Bath
Stadium
Temple
Palaestra
Bouleuterion
South Stoa
N
0
50
100
200
300
400
Meters

Αρχείο Ορλάνδου: Η εν Αθήναις Αρχαιολογική Εταιρεία


N
2590 ft
Image © 2009 DigitalGlobe
Google
37°59'01.13" N 22°42'53.15" E
elev 531 ft
Sep 3, 2003
Eye alt 9810 ft

Ερωτήματα

- Χρονικές φάσεις και οικιστικοί πυρήνες
- Οικιστική οργάνωση και ανάπτυξη ανά τους αιώνες:
  - χρήσεις γης
  - έκταση του οικισμού
  - η Ελληνιστική και Ρωμαϊκή αγορά
  - πολεοδομική οργάνωση και χωροταξία: δρόμοι και οικοδομικά τετράγωνα
  - Ιεράρχηση των συνοικιών της πόλης;
  - πυκνότητα κατοίκησης και πληθυσμός
- Το φυσικό περιβάλλον: προσαρμογή και αλλοίωση

  - φυσική και ανθρωπογενής διαμόρφωση του τοπίου

  - εκμετάλλευση των φυσικών πόρων

  - διάβρωση εδαφών και διατήρηση υλικών καταλοίπων
- Άστυ και χώρα: αστυφιλία και αποκέντρωση
- Οι Σικυώνιοι και οι άλλοι: μορφές πολιτισμικής αλληλεπίδρασης
- Η «κληρονομιά» της Σικυώνος: η αντίληψη και «χρήση» των αρχαιοτήτων από την τοπική κοινότητα
- Ανακύκλωση του αρχαίου υλικού

Μια περιοχή κατάλληλη για επιφανειακή έρευνα:

- **Σαφή γεωγραφικά όρια**
- **Σαφή πολιτισμικά όρια**
- **Ρηχοί αρχαιολογικοί ορίζοντες**
- **Μεγάλες εκτάσεις αδόμητης αγροτικής γης**

Microsoft Access - [Tract]

File Edit View Insert Format Records Tools Window Help

Type a question for help

MS Sans Serif 8

Tract Record Form

Tract: NP64

Date: 15-Jul-06

Squares: 10 Vacuumed: 2

Elevation: Slope: Aspect:

Easting: 0 Northing: 0

Soil Type and Condition

- [ ] Clay
- [x] Red
- [ ] Rocky
- [ ] Bare Rock
- [ ] Other:
- [ ] Recently Ploughed
- [x] Ploughed
- [ ] Fallow
- [ ] Bulldozed

Land Use and Vegetation

- [ ] Cereal
- [ ] Vinyard
- [ ] Olive
- [ ] Weeds
- [x] Citrus
- [x] Apricot
- [ ] Other Fruit
- [ ] Shrub
- [ ] Maquis
- [ ] Other:

Modern Structure:

Comments:

6 rows of apricot trees aligned north to south. Deep shade under the trees. Very poor overall visibility due to very healthy weeds. Orchard wastered so the grass and weeds are green, thick and tall. Dirt access road bisects the tract. Tract fenced on all sides. Alternating rows of no-visibility and very limited visibility; walking across the rows to limit skewing the numbers.

Photos: Recorder: S-MCP Databaser: S-MCP

Record: 65 of 161

Who recordered the tract form

NUM

Microsoft Access - [Square1]

File Edit View Insert Format Records Tools Window Help

Type a question for help

MS Sans Serif 8

Square Record Form

Square Number: NP01.07

Date: 10-Aug-04 Time: 7:30:00 AM

Spacing 4 Direction N-S

Easting 387313.87 Northing 4205276.37

Dimensions: 20x20 Area: 400

Weather: Sunny Visibility: 3

Total Collection: Yes

Comments

Photos ☐ Recorder: Kostis Databaser: Emily Green

Pottery

Total: 1181

Weight: 5.180 kgs

Bags: 1

Brick n' Tile

Total 0

Dimensions

Treatment

Roof Tile

Total: 701

A-H:	☑	< 1.0:	☐
Roman:	☐	1.1 - 1.5:	☑
LR-Med:	☐	1.6 - 2.0:	☑
Ott-EMod:	☐	2.1 - 2.5:	☑
Mod:	☐	2.6 - 3.0:	☐
Post-Antique	☐	> 3.1:	☐

Corinthian: ☑ Lakonian: ☑

Black: ☑ Red ☐ Finger ☐

Brown ☐ Yellow ☐ Stamped ☐

Other ☐

In Situ Features

Feature 0

Non Architectural ☐

Comments

Plot ☐ Arch ID

Record: 1 of 1

Not In Situ Features

Feature 1 Rubble

Non Architectural ☐

Comments

Rubble stone c. 0.30m at 0387316/ 4205282

Arch ID

Record: 1 of 1

Other Finds

Lamps	0	Coins	0	Wasters	0	Shell	0	Other Stone	0
Loom Weights	0	Metal	0	Glass	0	Grinding Stones	0	Other	1
Terracotta	0	Slag	0	Bone	0	Obsidian	0	Industrial/Agricultural Equip	0

Comments

Other: Fresco red and white.

Record: 7 of 1400

Unique identifier for square

NUM

Microsoft Access - [Arch]

File Edit View Insert Format Records Tools Window Help Adobe PDF

Type a question for help

squareID af_number: AFN1018

type: Not In Situ

x: 387323 y: 4205278

count: 1 feature: Stone block

location:

stone_type: Conglomerate

orientation:

masonry-style: Ashlar

☐ reused ☑ photo

Surface Decoration:

Type
Dressed
Dressed

observations:

Pushed at the edge of the field (at SW corner of square)

length_orig:	1.33	length_pre:	0	length_vis:	0
width_orig:	0.75	width_pre:	0	width_vis:	0
height_orig:	0.38	height_pre:	0	height_vis:	0
thick_orig:	0	thick_pre:	0	thick_vis:	0
diameter_orig:	0	diameter_pre:	0	diameter_vis:	0
depth_orig:	0	depth_pre:	0	depth_vis:	0

Record: 27 of 1233

square identifier feature was found in

NUM

Microsoft Access

File Edit View Insert Format Records Tools Window Help Adobe PDF

Type a question for help

MS Sans Serif 8

Main

Square ID NP001.03

No Roman

Index Sherd?

import

Shape: krater

Quantity 1

CatalogueSherd?

fineware

imitation

Form pedestal krater with flanged fool

Fabric CSF dark

Vessel Part

Rim Base Nozzle Shoulder Foot Upper Other

Neck Body Spout Handle Disc Lower

Date

Function

Cooking Table Eat Table Drink Table Service Storage Transport Other

Ritual Lamp Toilet Weaving Ceramic Production Utility

Periods

Archaic ROMAN BYZANTINE Early Ottoman

Classical Early Roman Early Byzantine Late Ottoman

Hellenistic Middle Roman Middle Byzantine I Modern

Hellenistic/ Early Roman Late Roman Middle Byzantine II Unknown

Late Byzantine

Decoration

Slip Glaze Paint Incised Stamped Moulded

Notes:

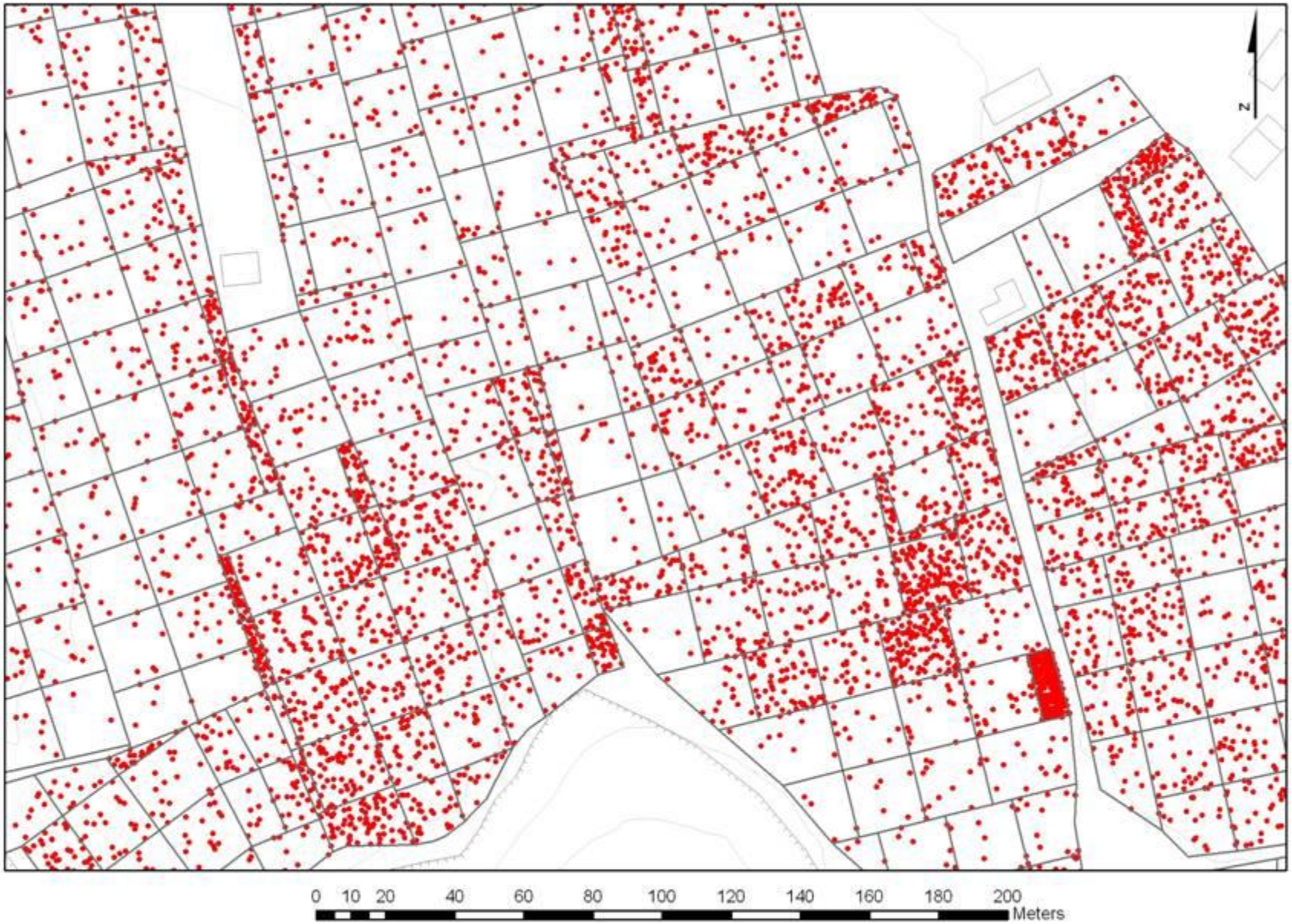
Bibliography

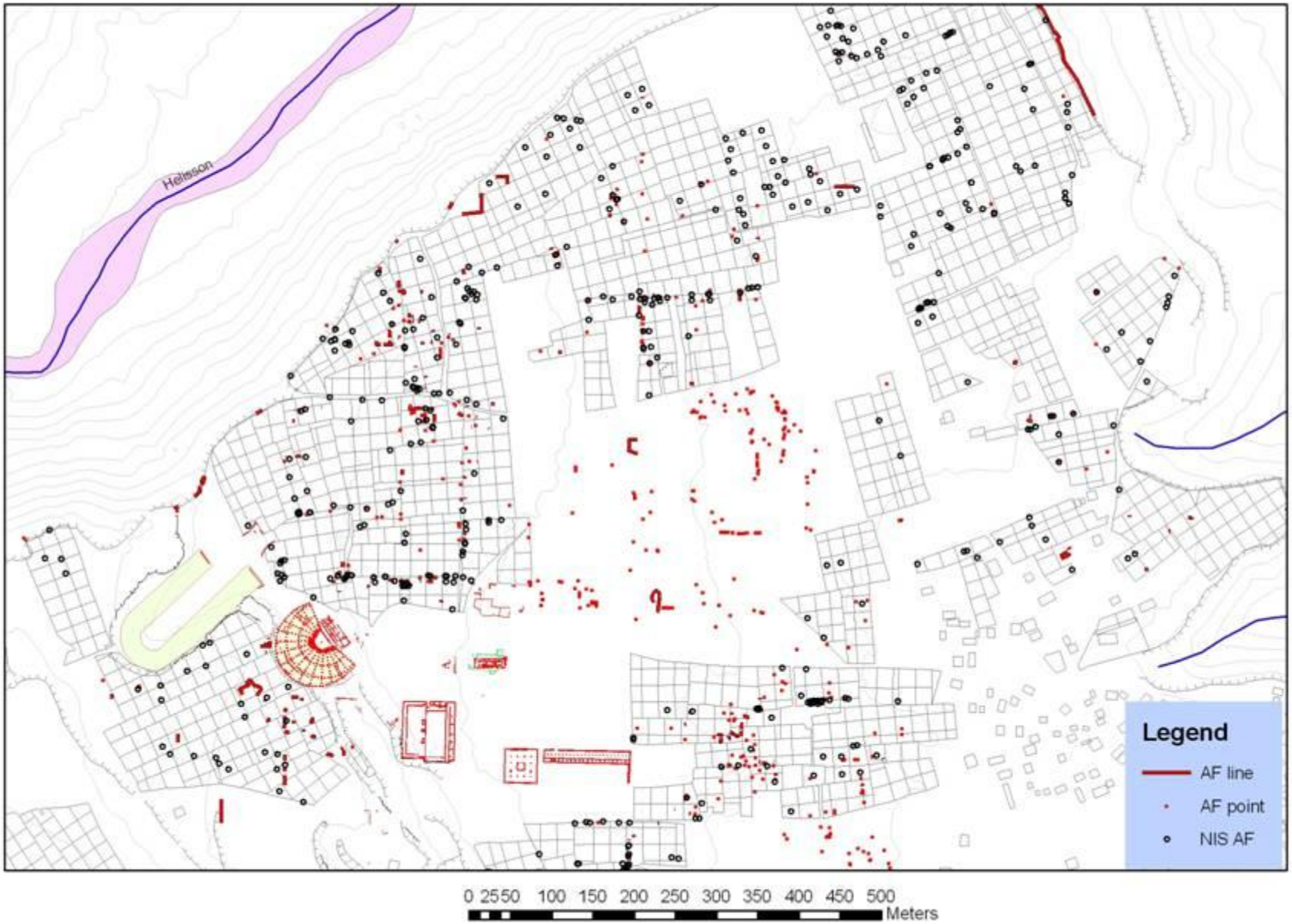
Notes

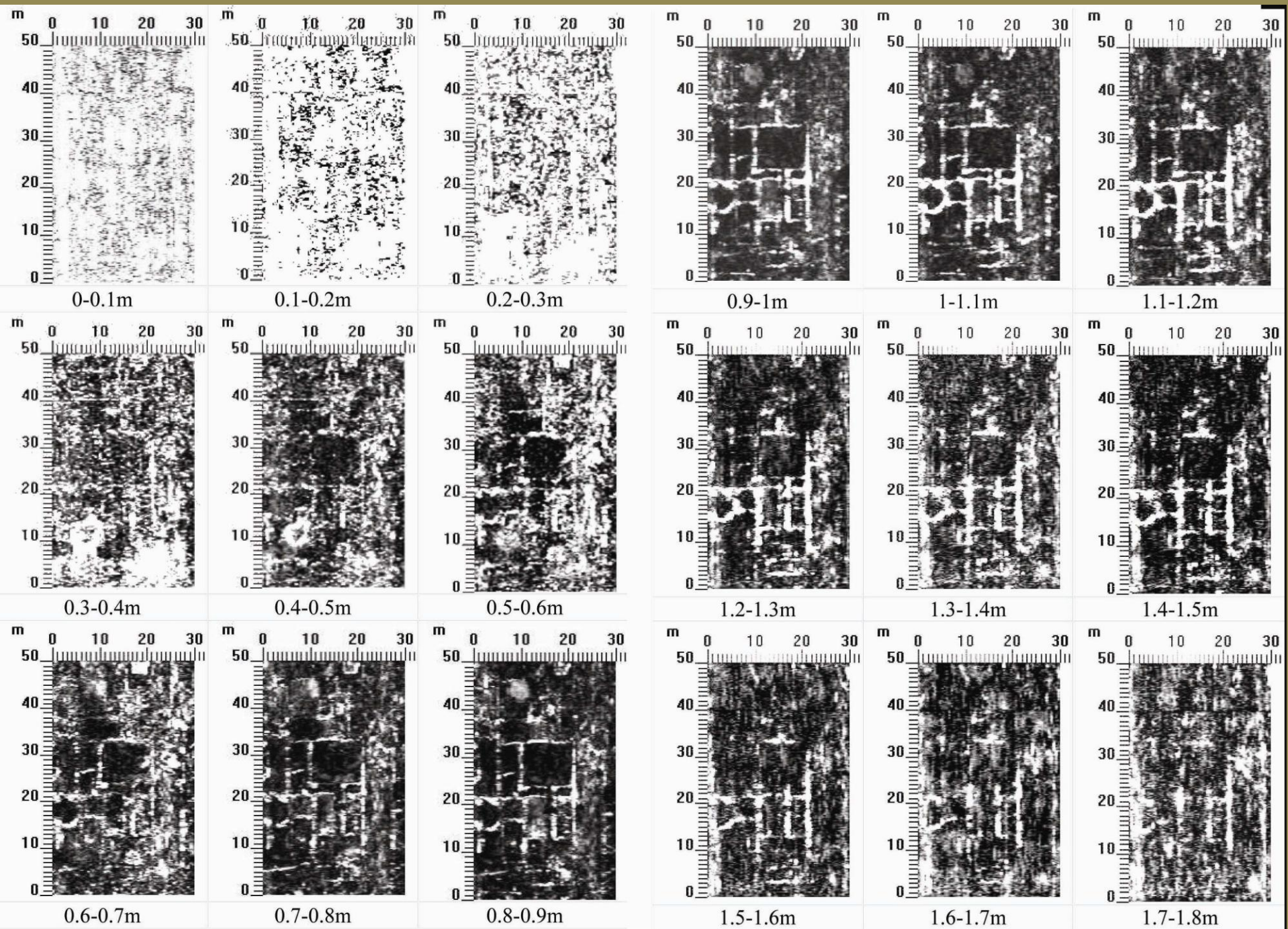
Record: 40 of 13953

Square Identifier

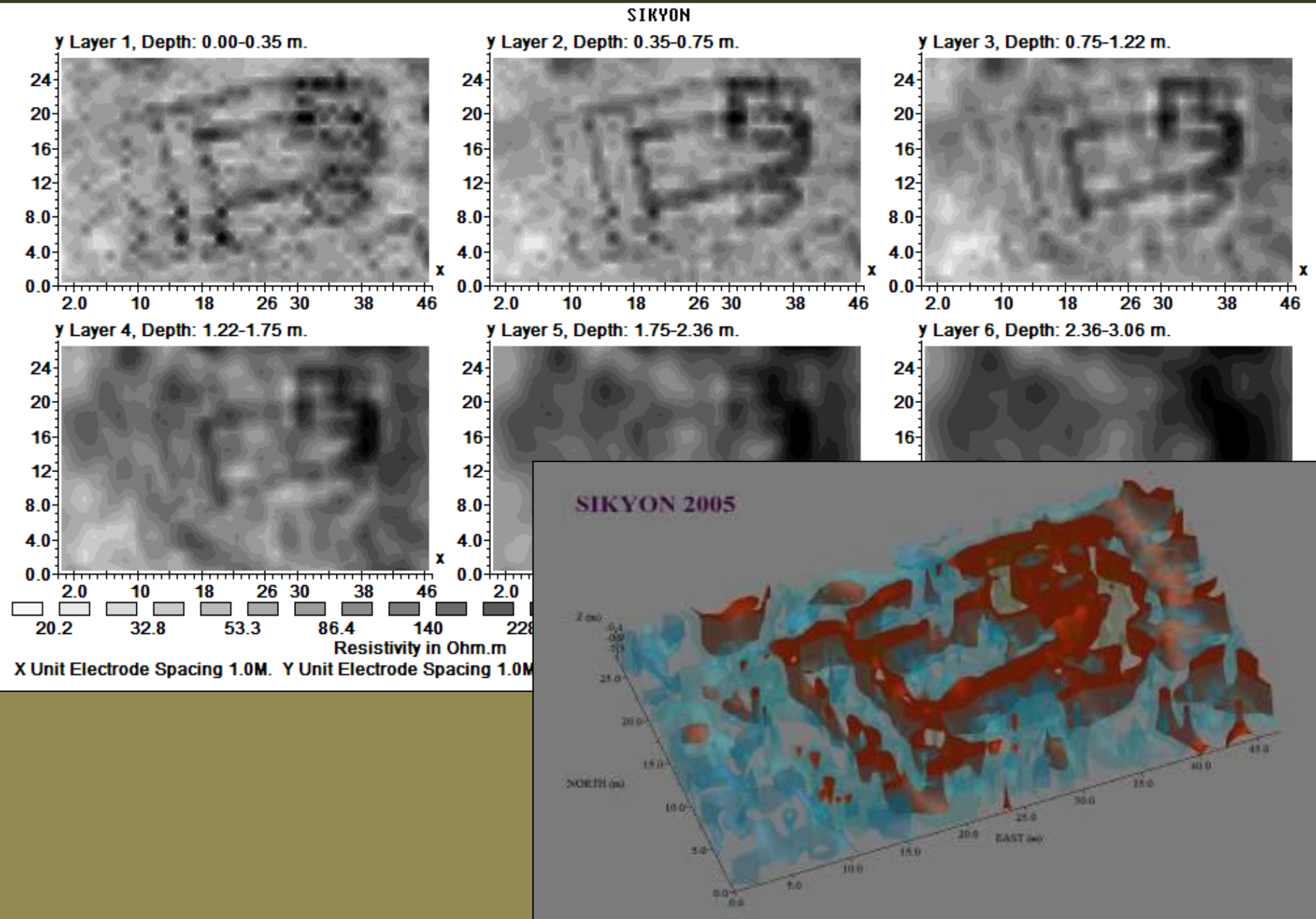
NUM

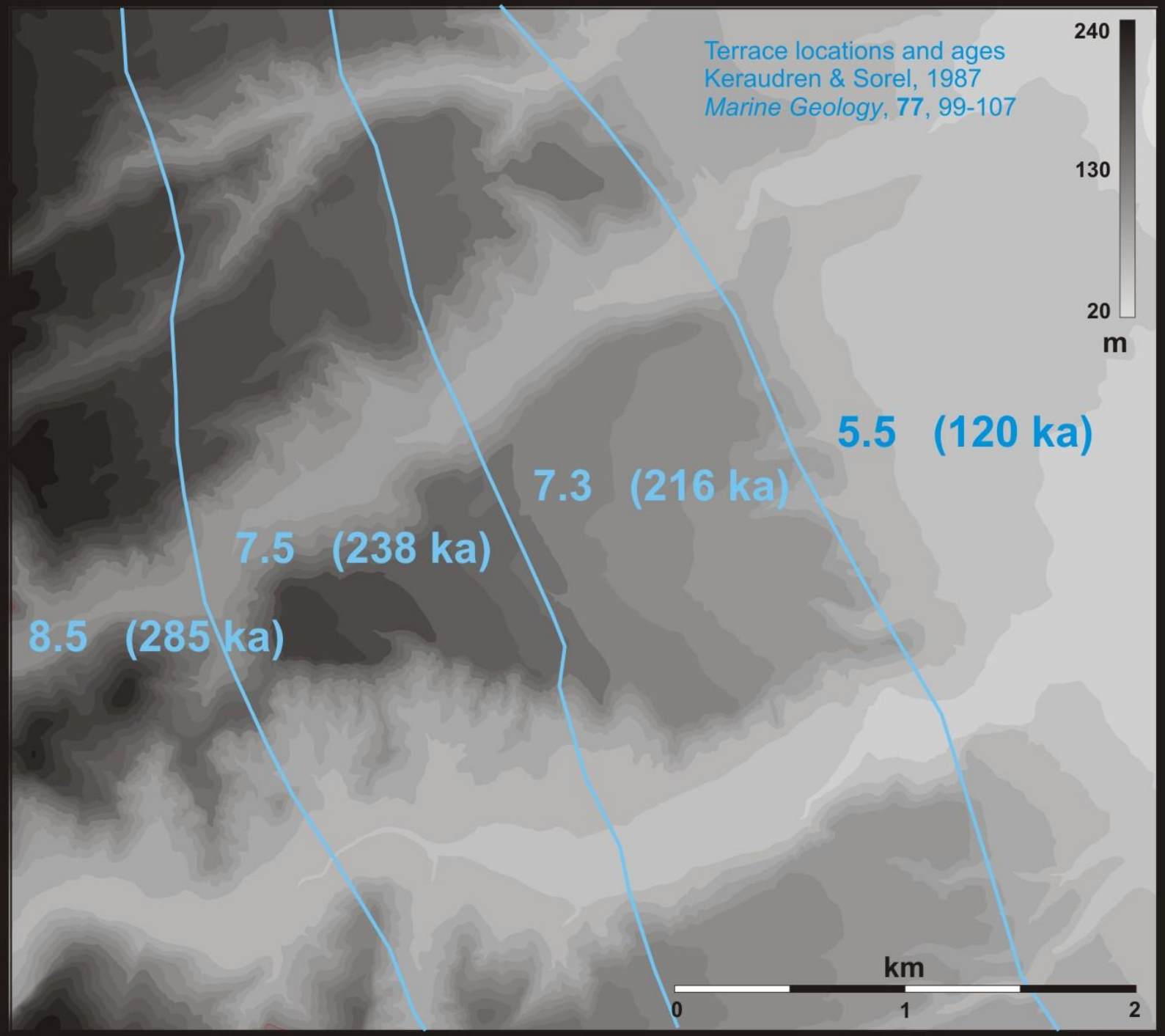

N
0 10 20 40 60 80 100 120 140 160 180 200
Meters


Helisson
Legend
AF line
AF point
NIS AF
0 25 50 100 150 200 250 300 350 400 450 500
Meters


0-0.1m
0.1-0.2m
0.2-0.3m
0.9-1m
1-1.1m
1.1-1.2m
0.3-0.4m
0.4-0.5m
0.5-0.6m
1.2-1.3m
1.3-1.4m
1.4-1.5m
0.6-0.7m
0.7-0.8m
0.8-0.9m
1.5-1.6m
1.6-1.7m
1.7-1.8m

ERT Reconstruction of Basilika

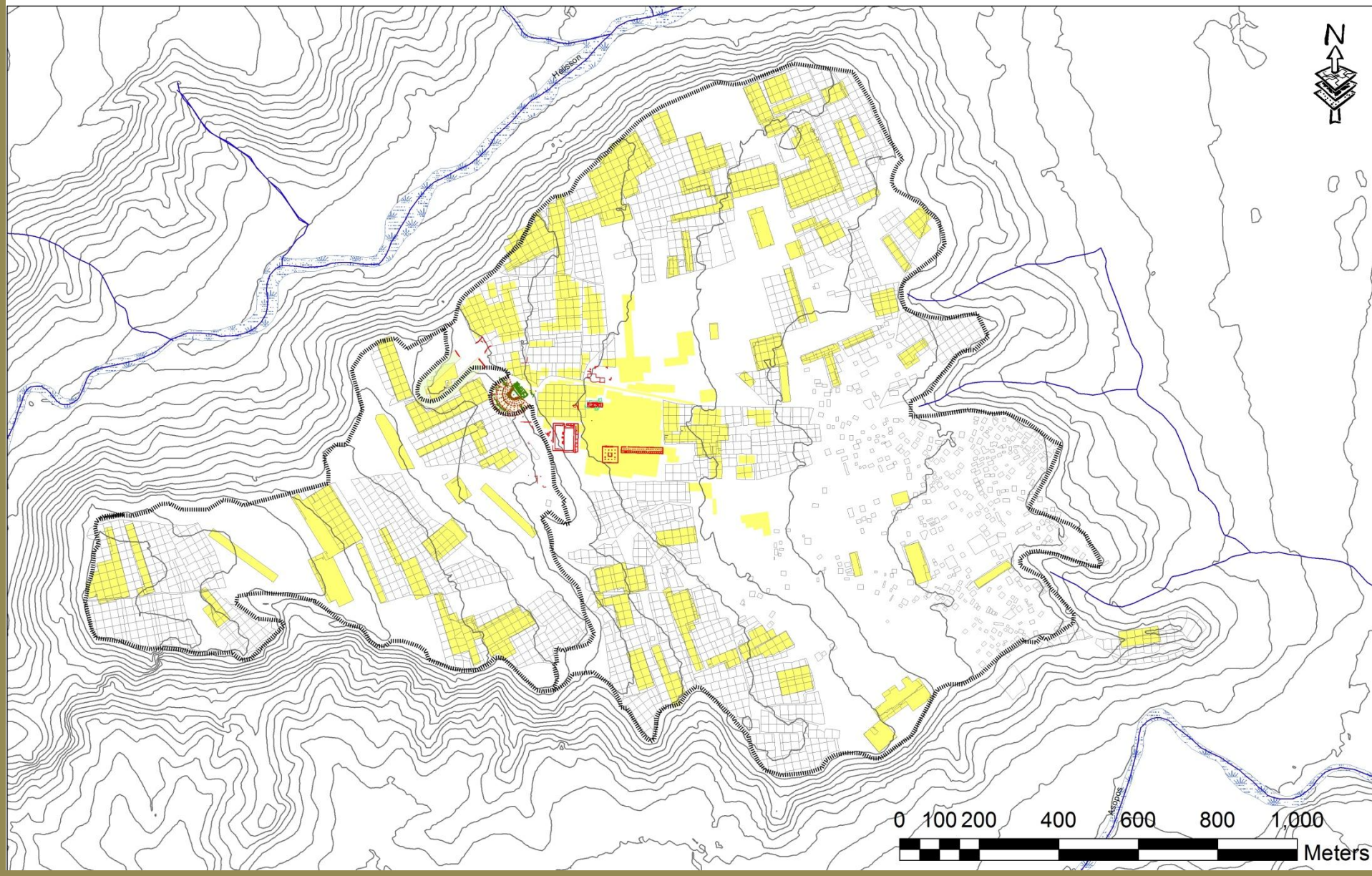



Terrace locations and ages
Keraudren & Sorel, 1987
Marine Geology, **77**, 99-107
240
130
20
m
5.5 (120 ka)
7.3 (216 ka)
7.5 (238 ka)
8.5 (285 ka)
km
0
1
2

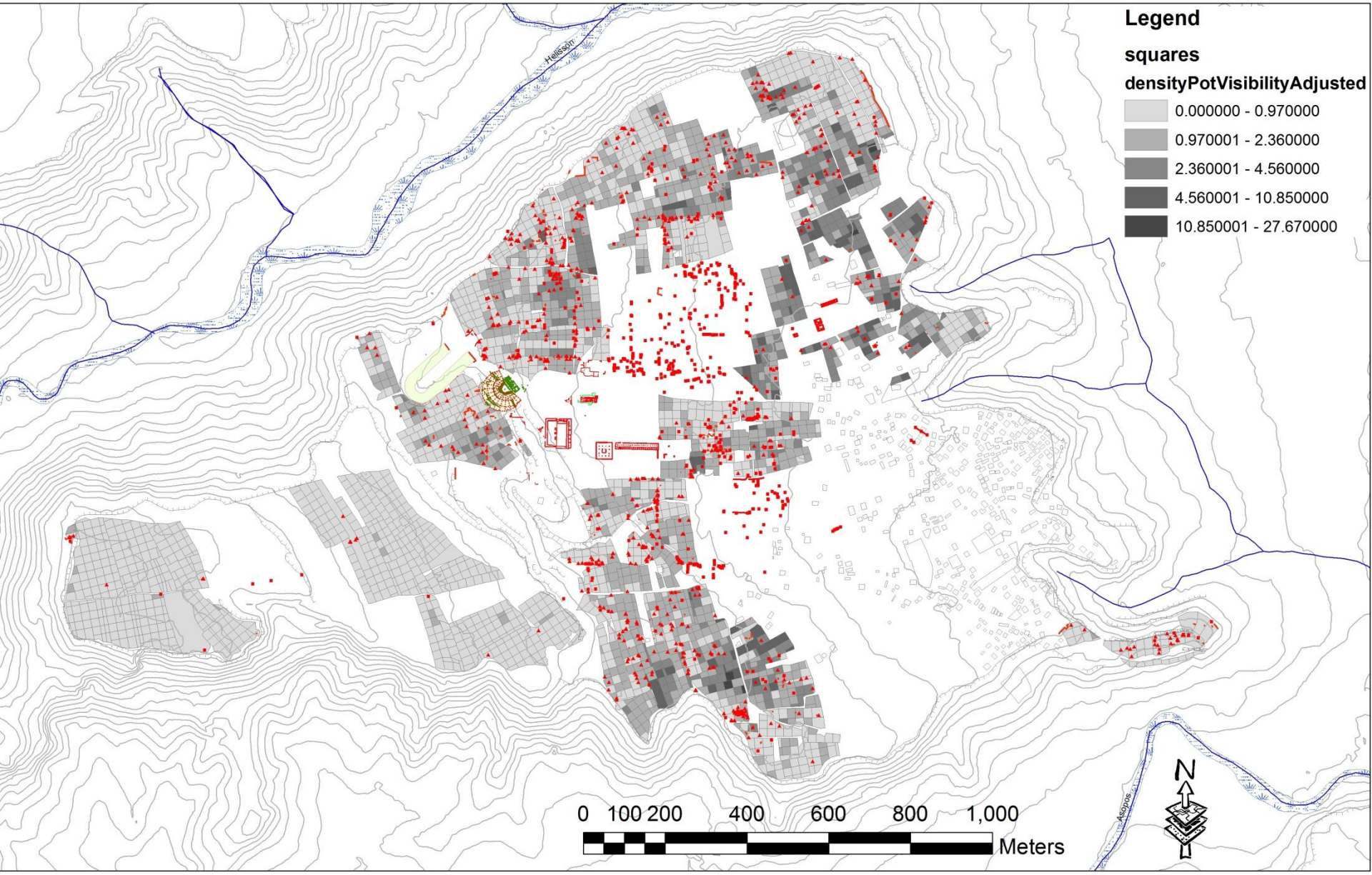

Pleistocene sediments
Pliocene marls


0
200
400
800
1,200
1,600
2,000
Meters

Εντατική επιφανειακή έρευνα 2004-2009: ca. 1000 στρέμματα

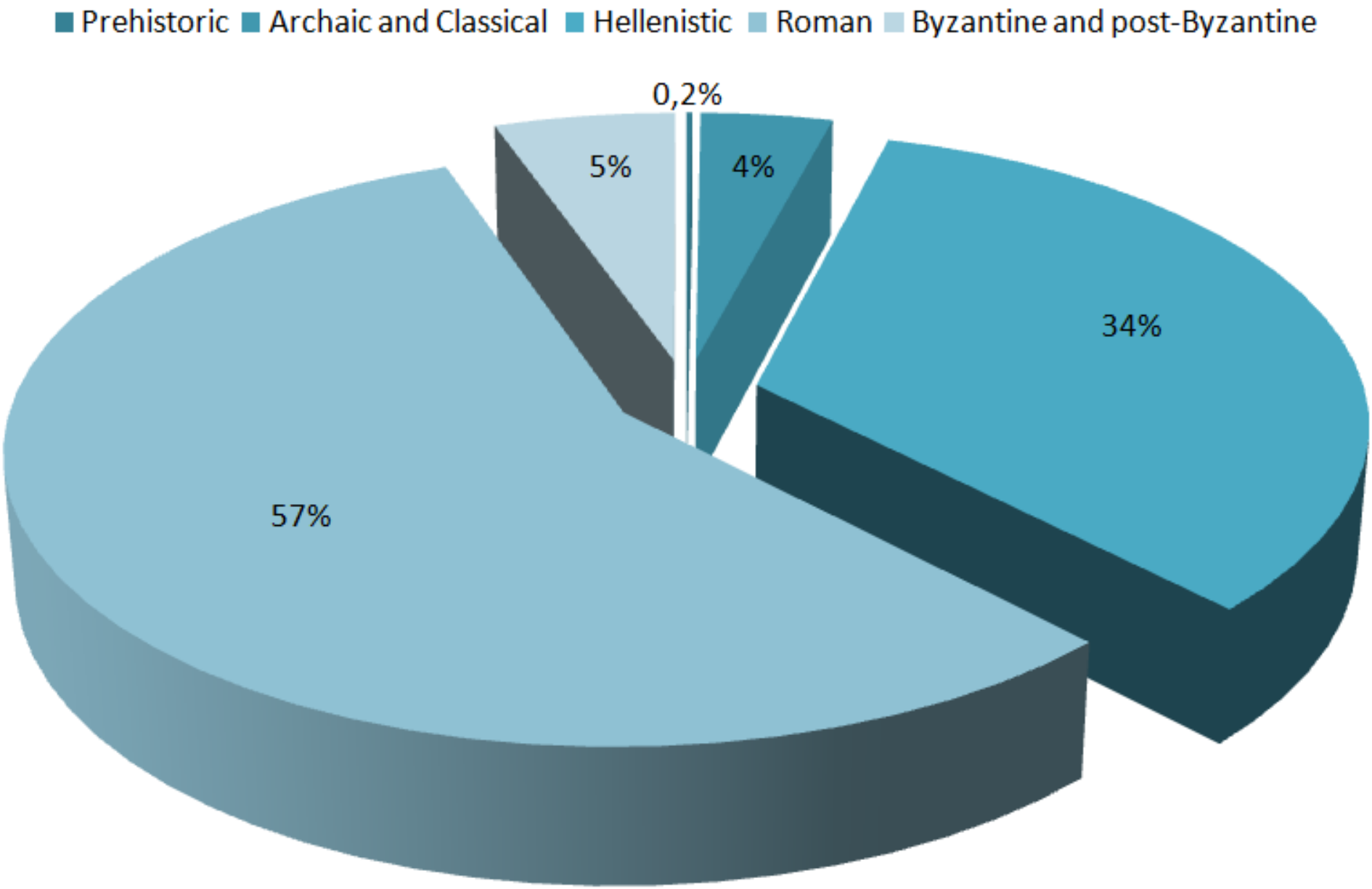


Γεωφυσική έρευνα 2004-2009: ca. 430 στρέμματα


Legend
squares
densityPotVisibilityAdjusted
0.000000 - 0.970000
0.970001 - 2.360000
2.360001 - 4.560000
4.560001 - 10.850000
10.850001 - 27.670000
Helisson
Asopos
0 100 200 400 600 800 1,000
Meters
N


Satin

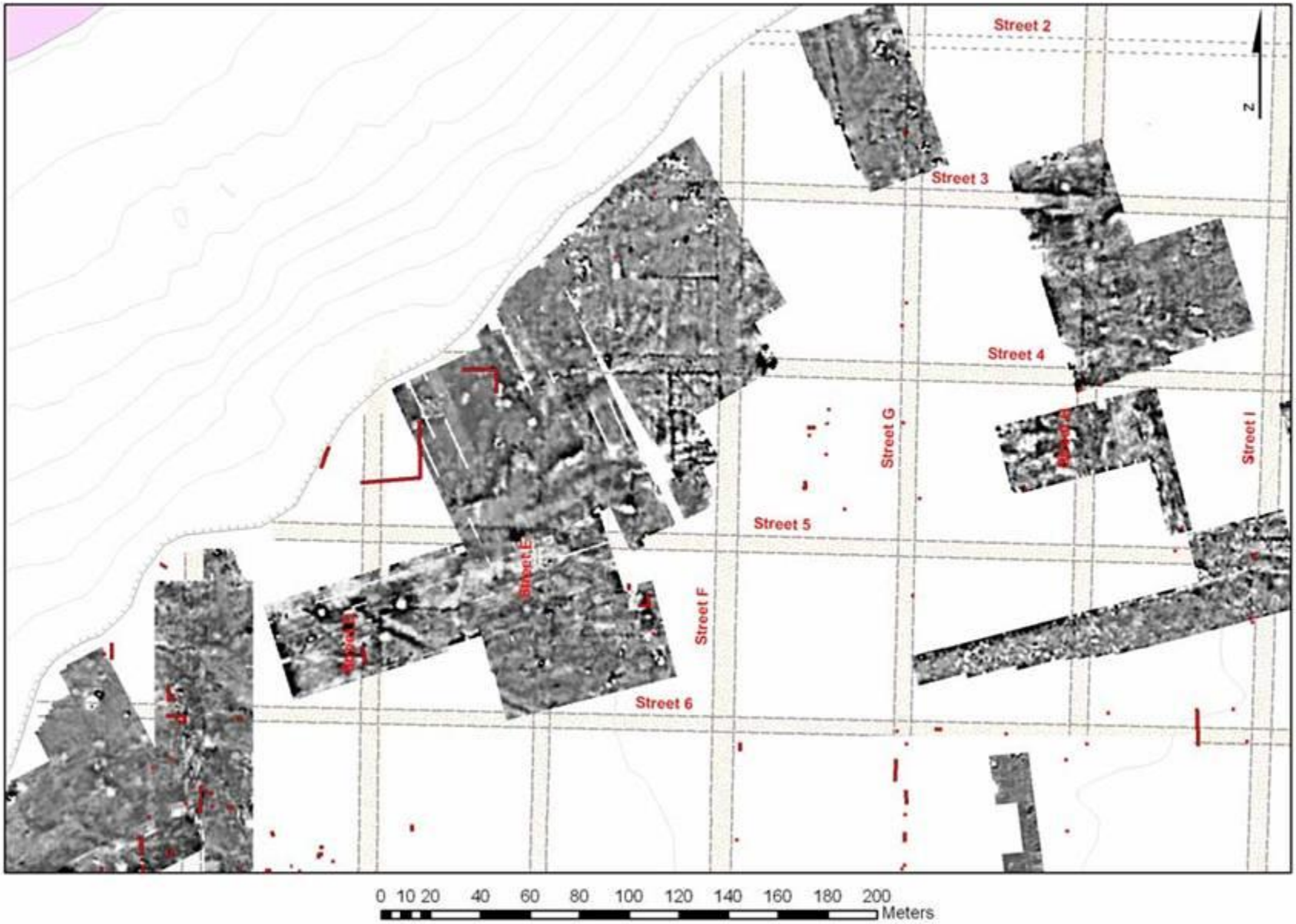
Surface pottery from Sikyon per period



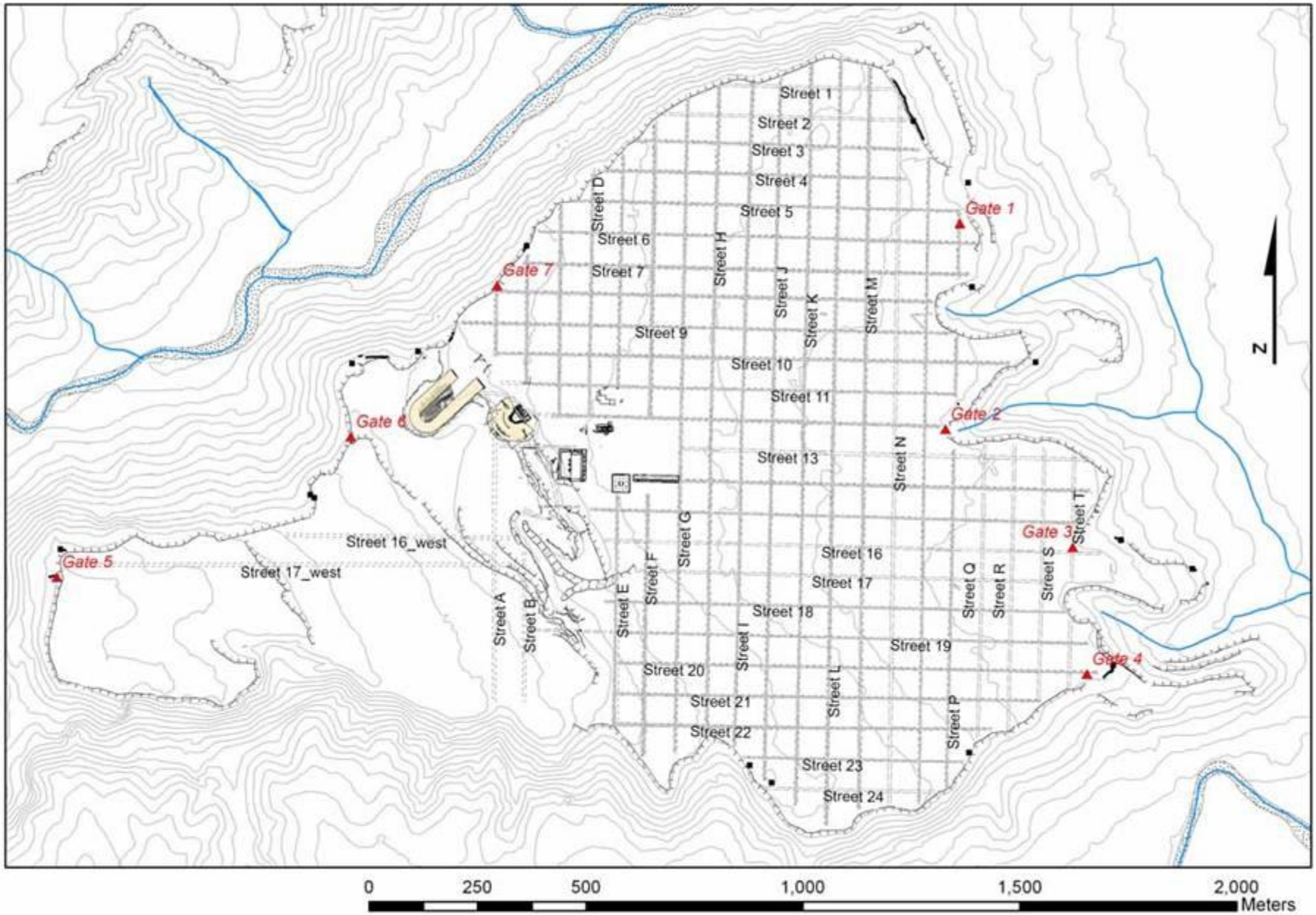

SP19.5


SP 103.03
31 JULY 2008

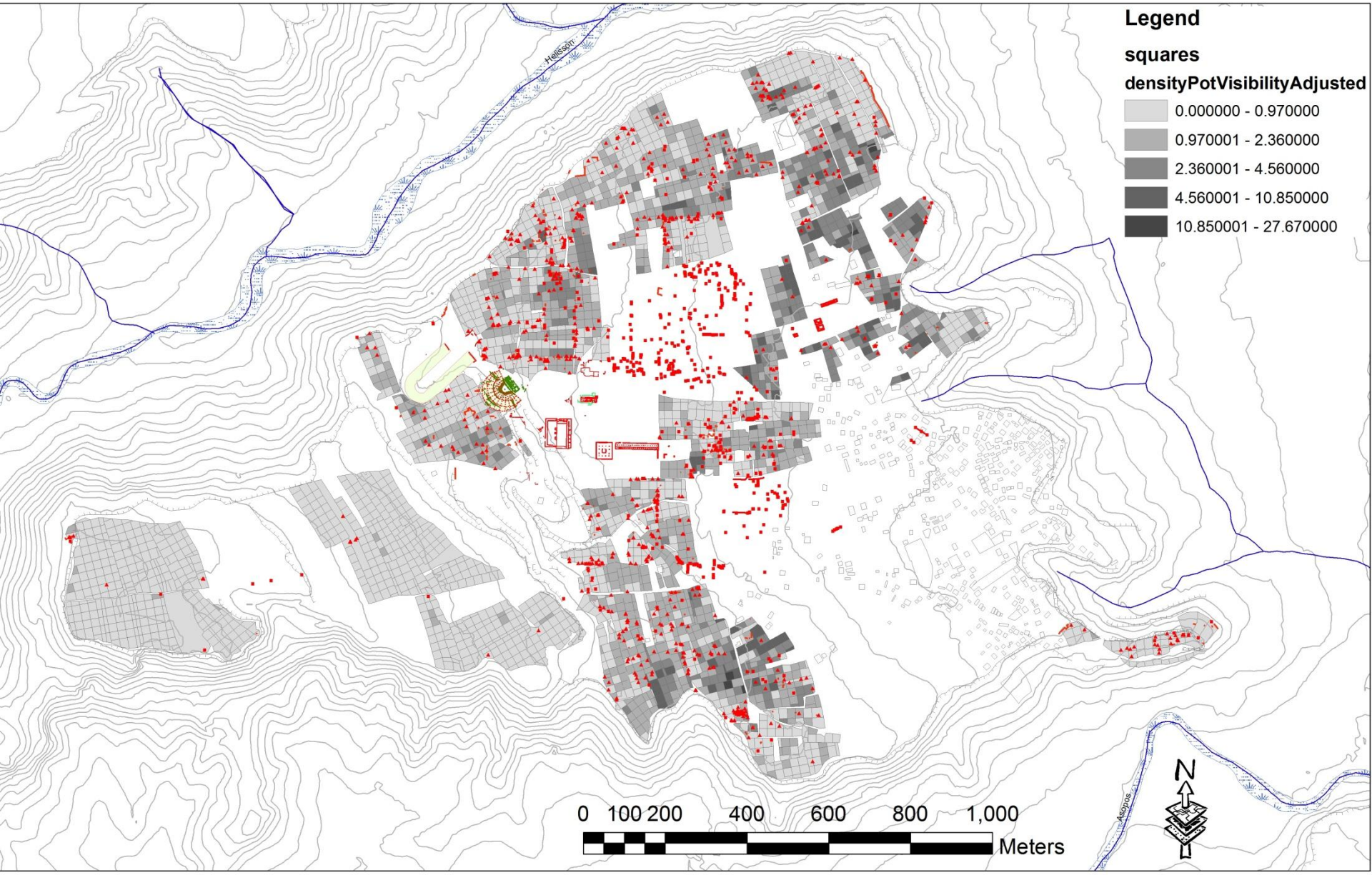

(SP 82)
SIT 2.1
AUG. 1 2008

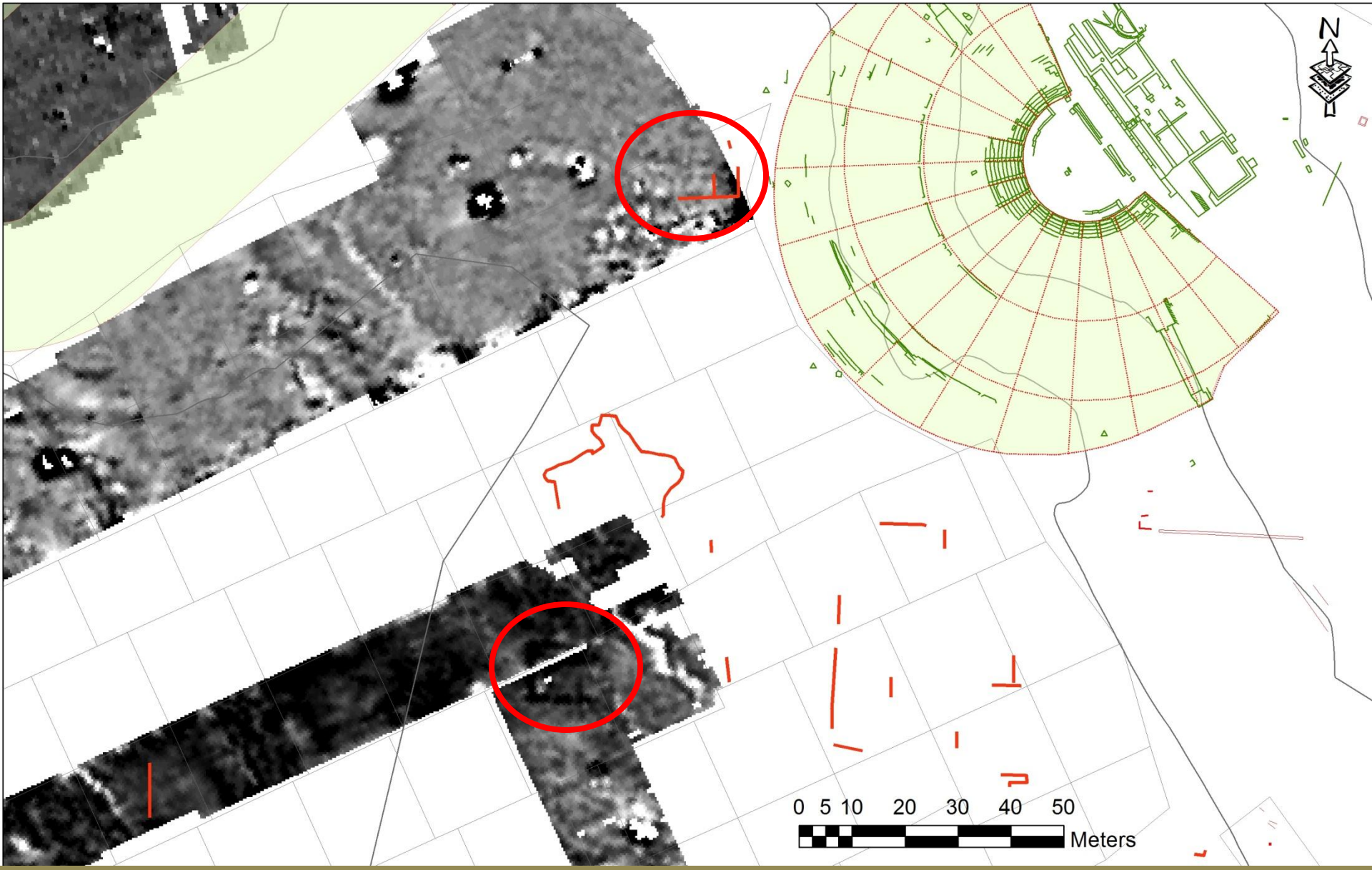

Street 2
Street 3
Street 4
Street 5
Street 6
Street E
Street F
Street G
Street I
N
0 10 20 40 60 80 100 120 140 160 180 200
Meters

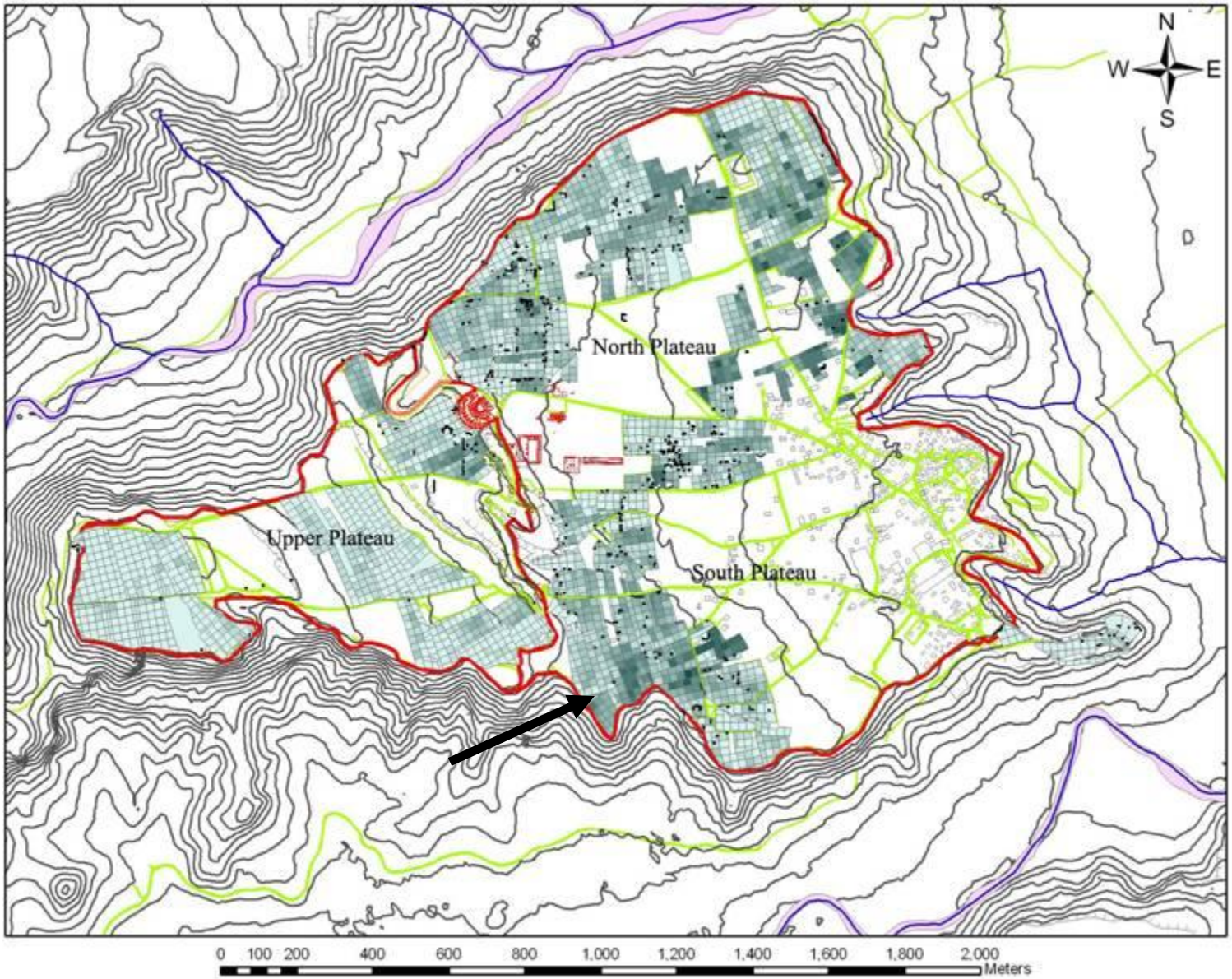

Street I
Street J
Street K
Street L
Street M
Street 3
Street 4
Street 5
N
0
20
40
80
120
160
Meters

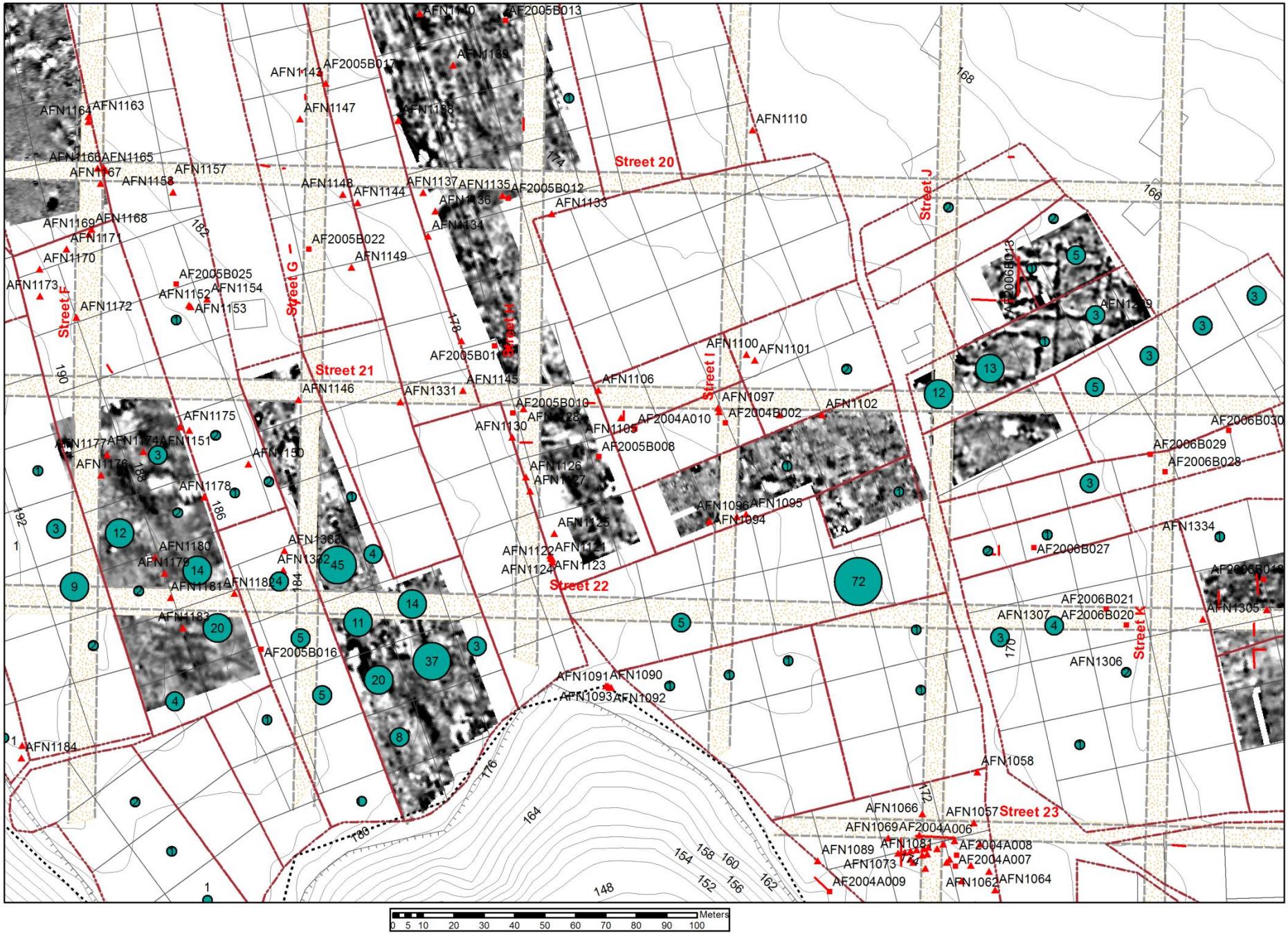

Street 1
Street 2
Street 3
Street 4
Street 5
Street 6
Street 7
Street 9
Street 10
Street 11
Street 13
Street 16
Street 17
Street 18
Street 19
Street 20
Street 21
Street 22
Street 23
Street 24
Street 16_west
Street 17_west
Street A
Street B
Street D
Street E
Street F
Street G
Street H
Street I
Street J
Street K
Street L
Street M
Street N
Street P
Street Q
Street R
Street S
Street T
Gate 1
Gate 2
Gate 3
Gate 4
Gate 5
Gate 6
Gate 7
N
0
250
500
1,000
1,500
2,000
Meters

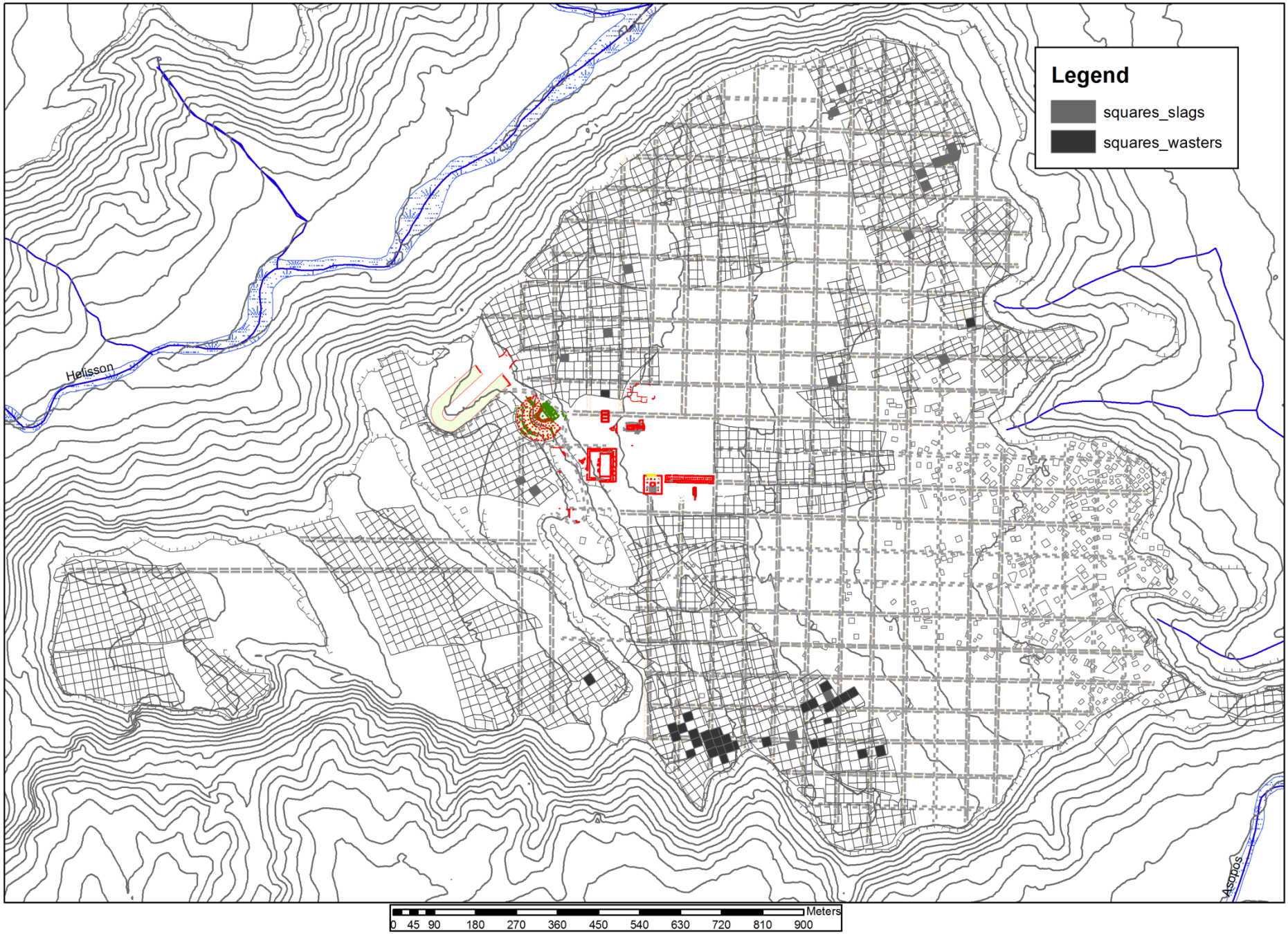

Street B
Street D
Street 11
Street H
Street 13
N
0 10 20 40 60 80 100 120 140 160 180 200
Meters

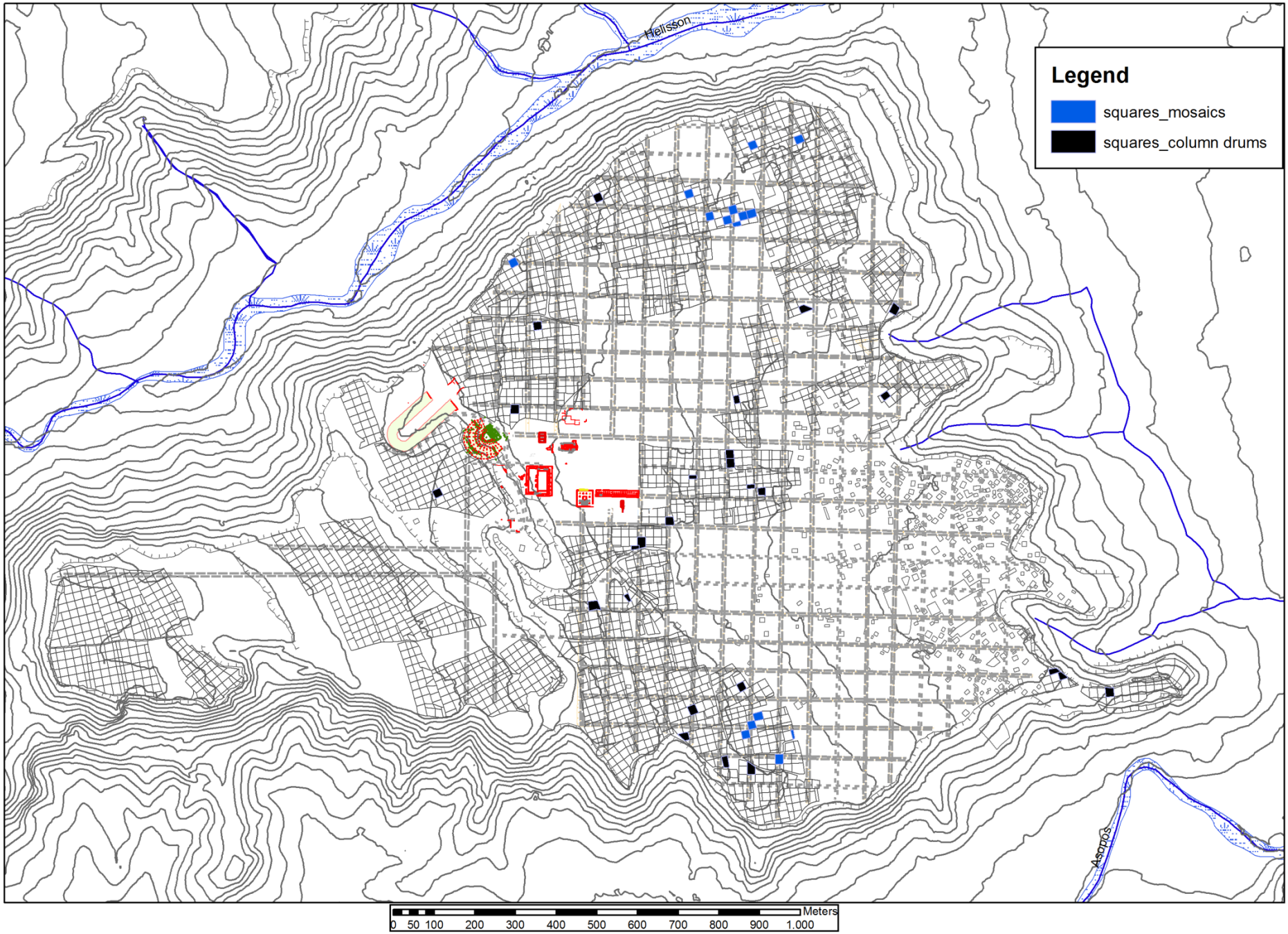

Legend
squares
densityPotVisibilityAdjusted
0.000000 - 0.970000
0.970001 - 2.360000
2.360001 - 4.560000
4.560001 - 10.850000
10.850001 - 27.670000
Helisson
Asopos
0 100 200 400 600 800 1,000
Meters
N


N
0 5 10 20 30 40 50
Meters

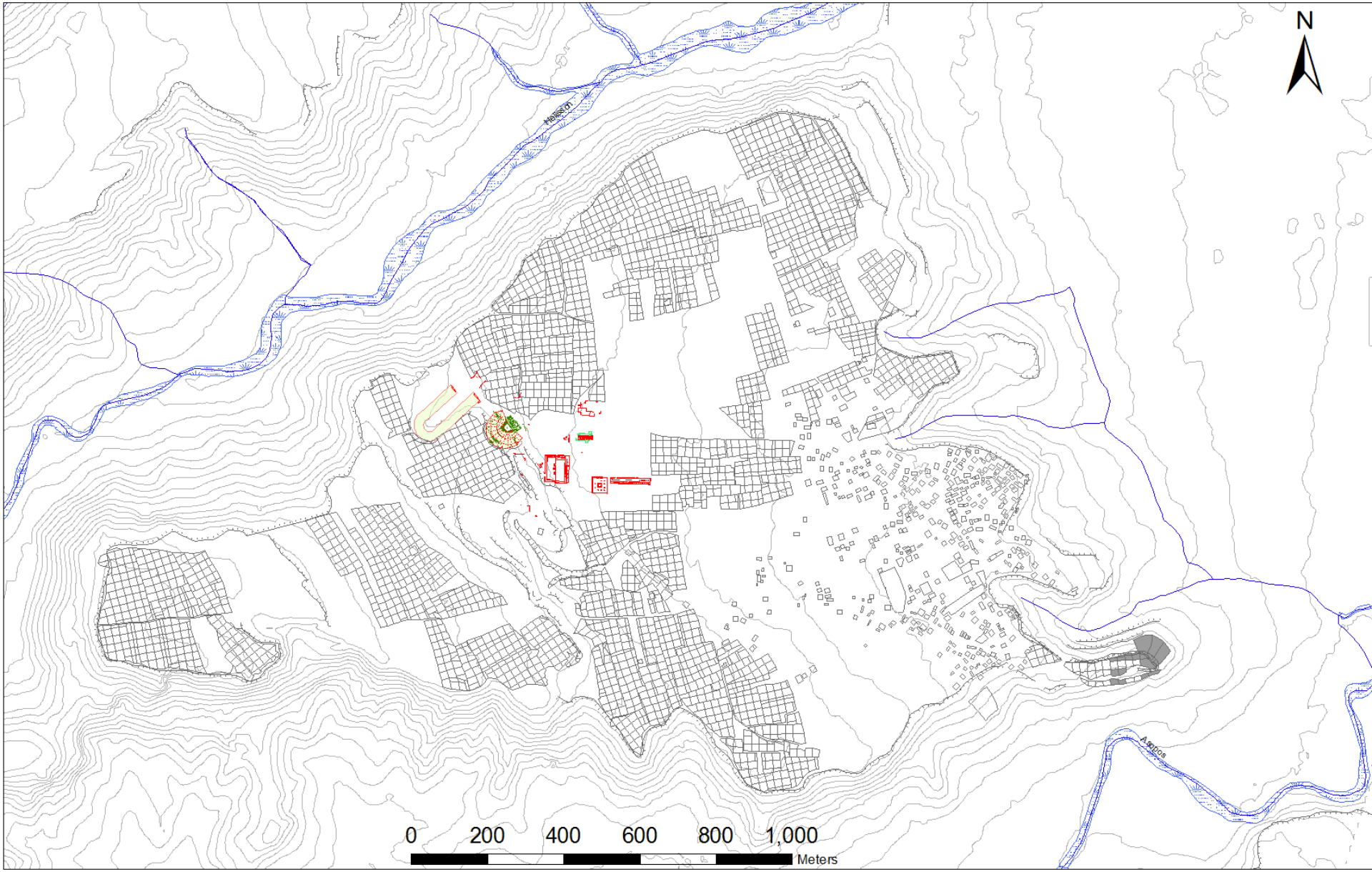

N
W
E
S
North Plateau
Upper Plateau
South Plateau
0 100 200 400 600 800 1,000 1,200 1,400 1,600 1,800 2,000
Meters

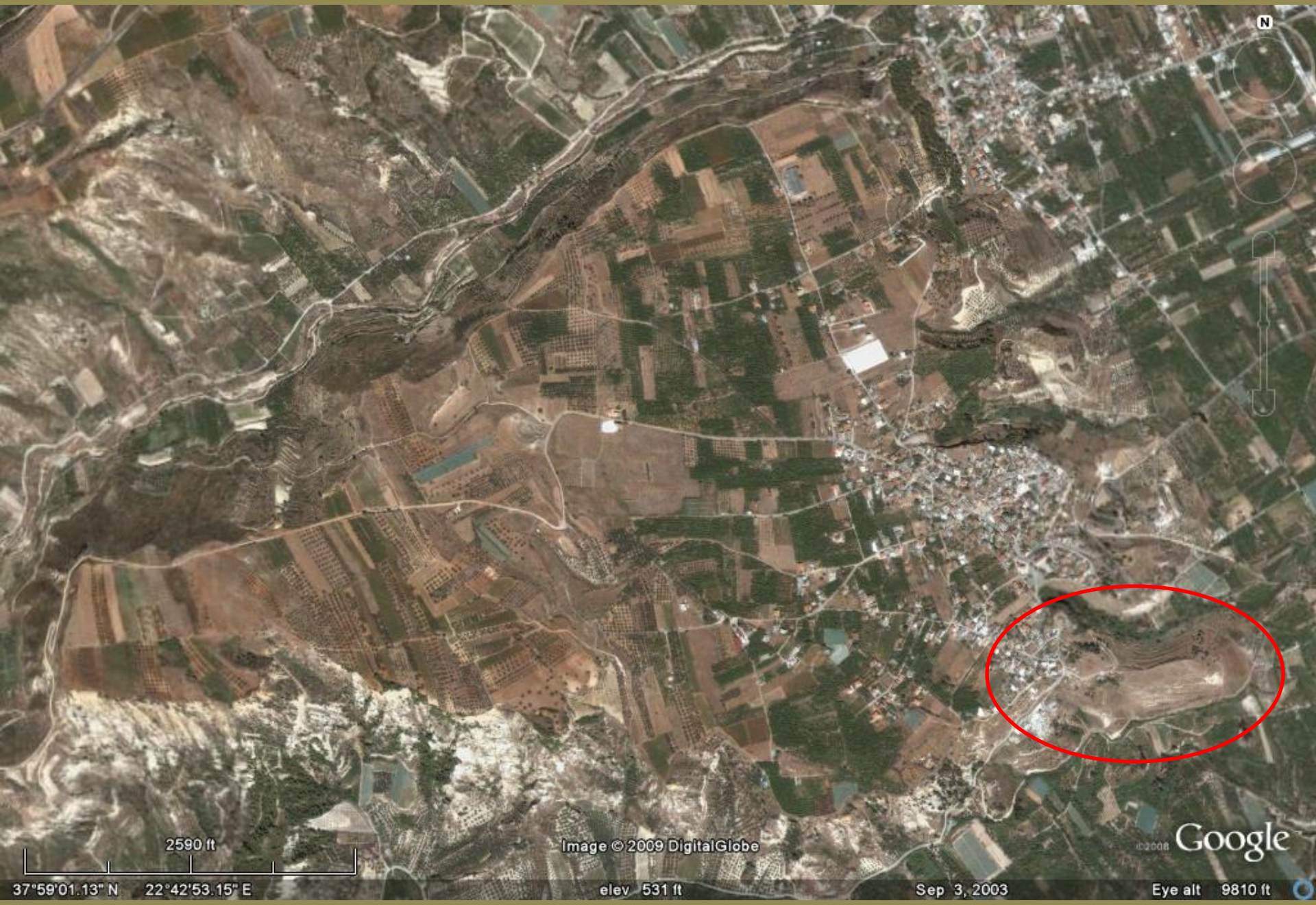

Street 20
Street 21
Street 22
Street 23
Street F
Street G
Street H
Street I
Street J
Street K
AFN1164
AFN1163
AFN1166
AFN1165
AFN1167
AFN1158
AFN1157
AFN1169
AFN1168
AFN1171
AFN1170
AFN1173
AFN1172
AF2005B025
AFN1152
AFN1154
AFN1153
AFN1142
AF2005B017
AFN1147
AFN1148
AFN1144
AF2005B022
AFN1149
AFN1137
AFN1135
AF2005B012
AFN1133
AFN1134
AF2005B013
AFN1110
AFN1100
AFN1101
AFN1106
AFN1097
AF2004B002
AFN1102
AF2004A010
AFN1105
AF2005B008
AFN1130
AFN1126
AFN1096
AFN1095
AFN1094
AFN1122
AFN1124
AFN1123
AFN1145
AFN1331
AFN1146
AFN1175
AFN1177
AFN1174
AFN1151
AFN1176
AFN1150
AFN1178
AFN1180
AFN1179
AFN1181
AFN1183
AFN1184
AF2005B016
AFN1091
AFN1090
AFN1093
AFN1092
AF2006B030
AF2006B029
AF2006B028
AFN1334
AF2006B027
AF2006B021
AFN1307
AF2006B020
AFN1306
AFN1305
AFN1058
AFN1066
AFN1057
AFN1069
AF2004A006
AFN1081
AF2004A008
AFN1089
AF2004A007
AFN1073
AF2004A009
AFN1062
AFN1064
Meters
0 5 10 20 30 40 50 60 70 80 90 100


Legend
squares_slags
squares_wasters
Helisson
Asopos
Meters
0 45 90 180 270 360 450 540 630 720 810 900

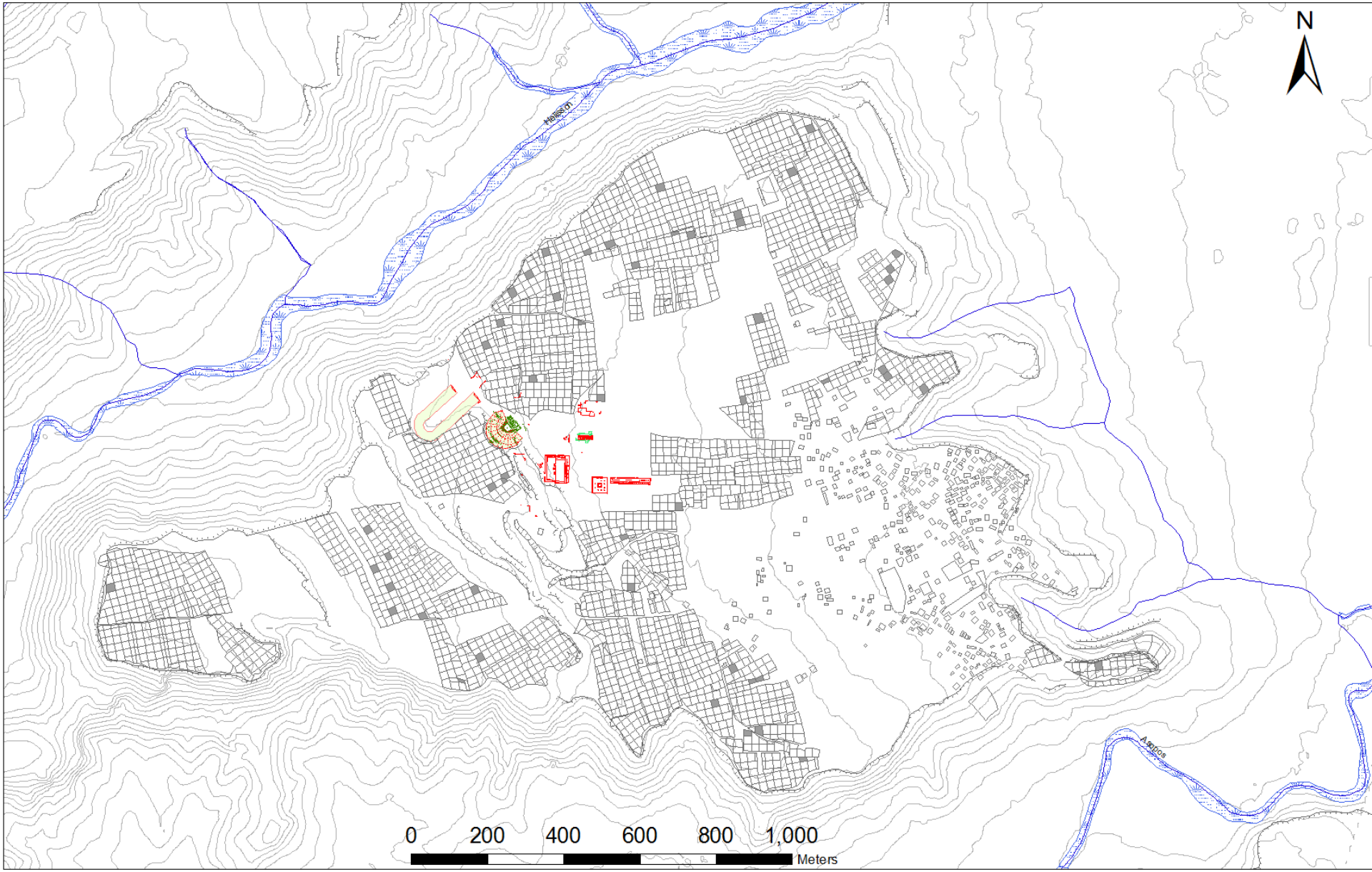

Legend
squares_mosaics
squares_column drums
Helisson
Asopos
Meters
0 50 100 200 300 400 500 600 700 800 900 1.000

Τετράγωνα με κεραμική προϊστορικών χρόνων

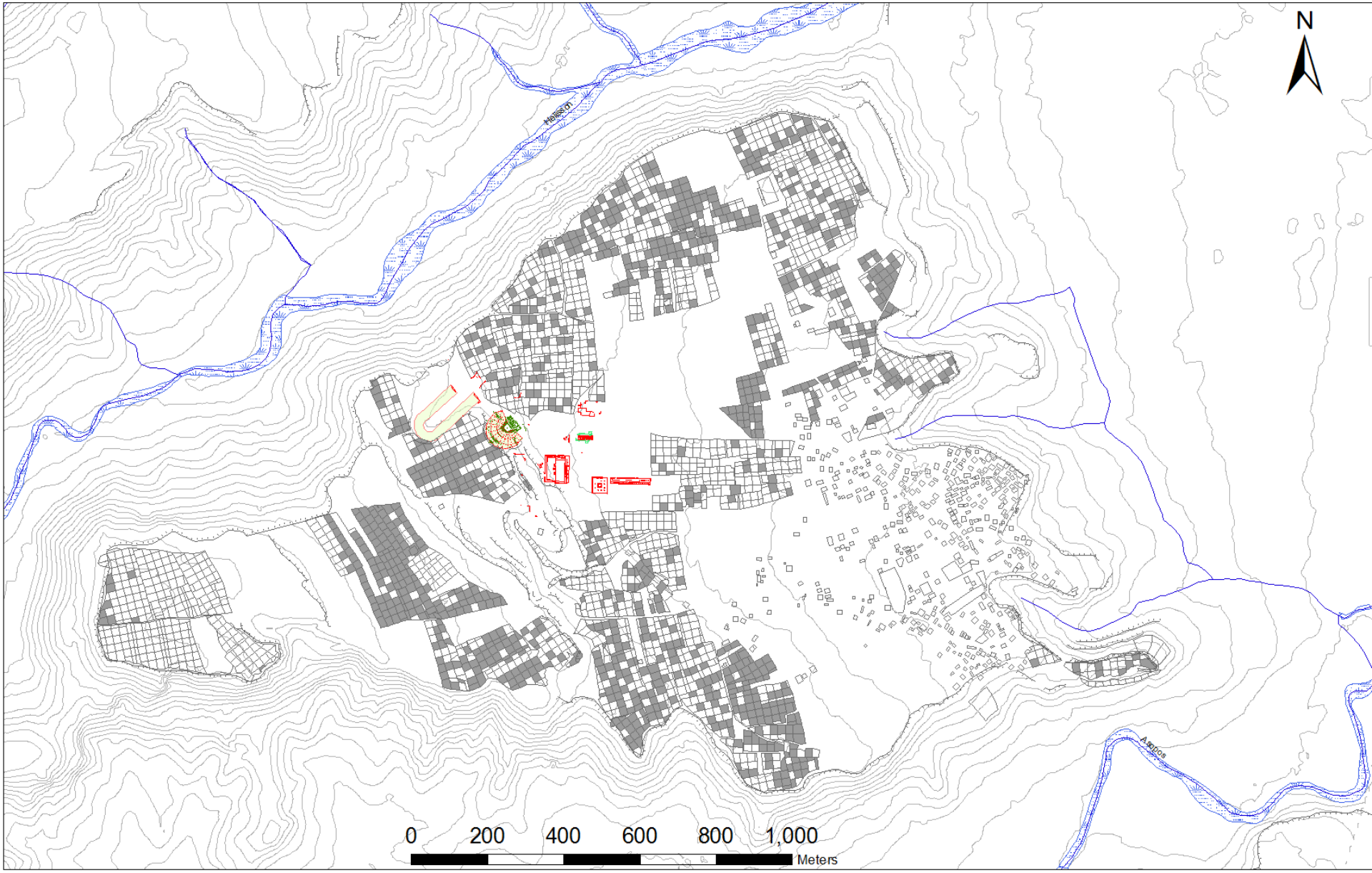


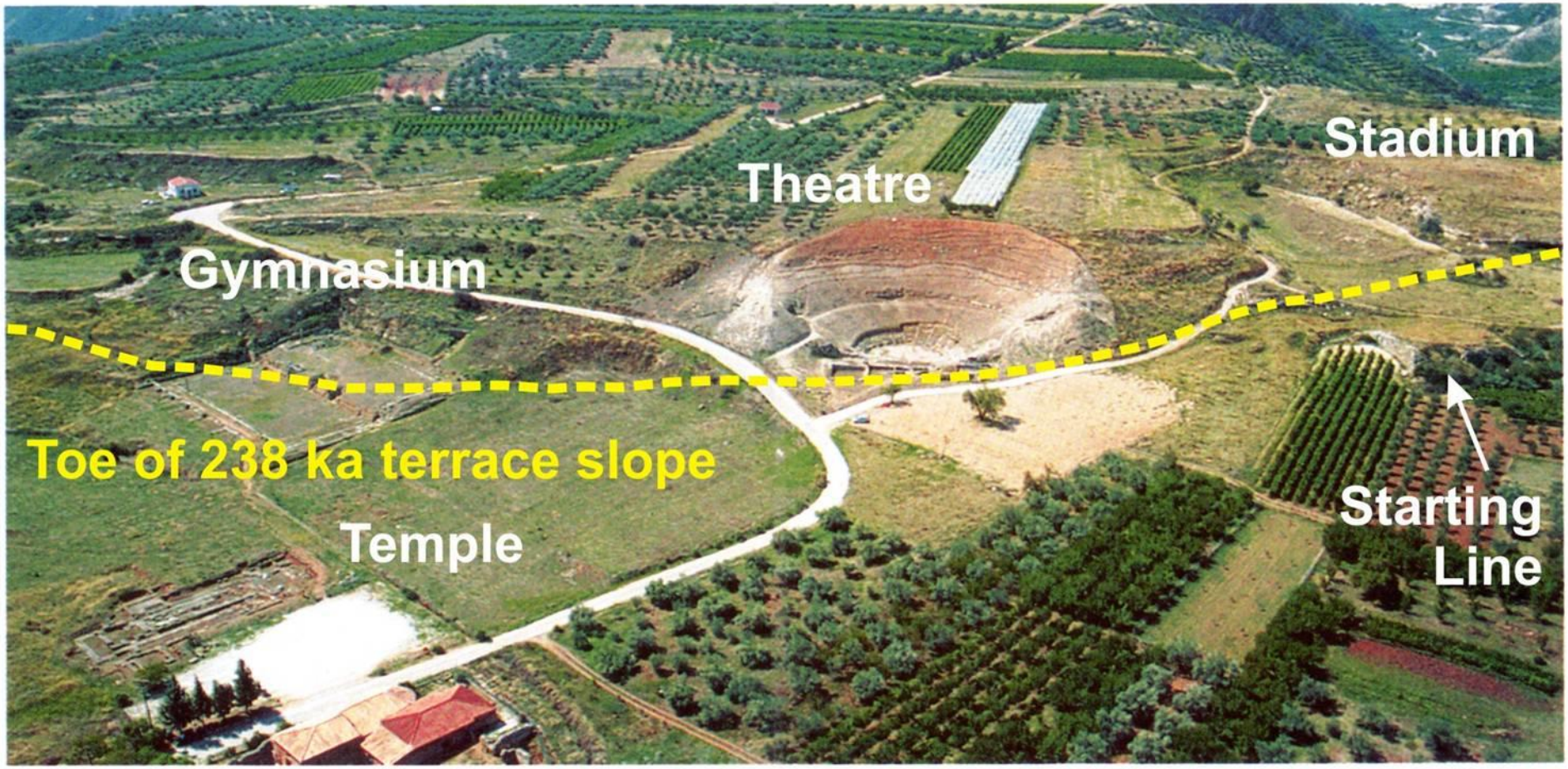

N
2590 ft
Image © 2009 DigitalGlobe
Google
37°59'01.13" N 22°42'53.15" E
elev 531 ft
Sep 3, 2003
Eye alt 9810 ft

Τετράγωνα με κεραμική αρχαϊκών χρόνων

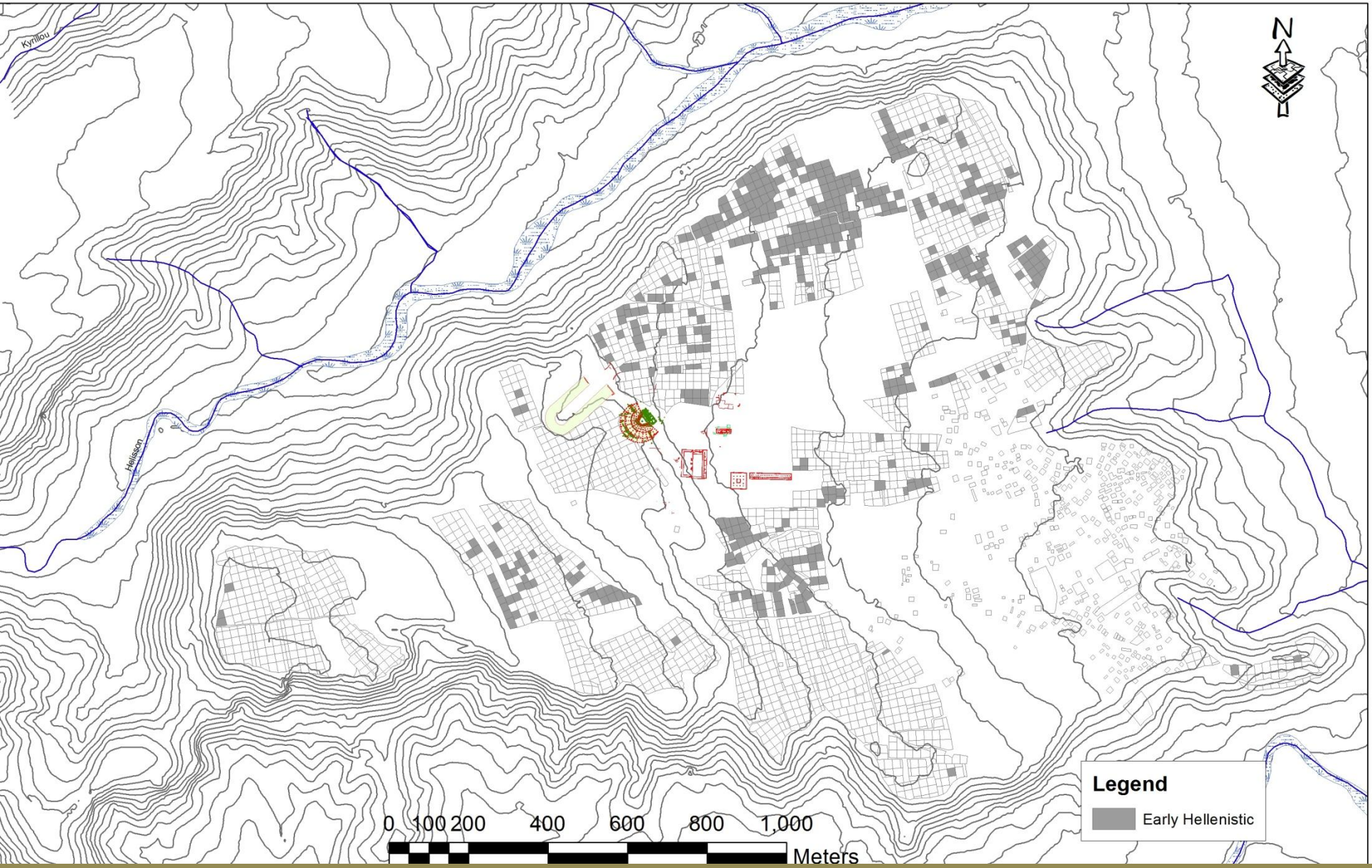


Τετράγωνα με κεραμική Κλασικής εποχής

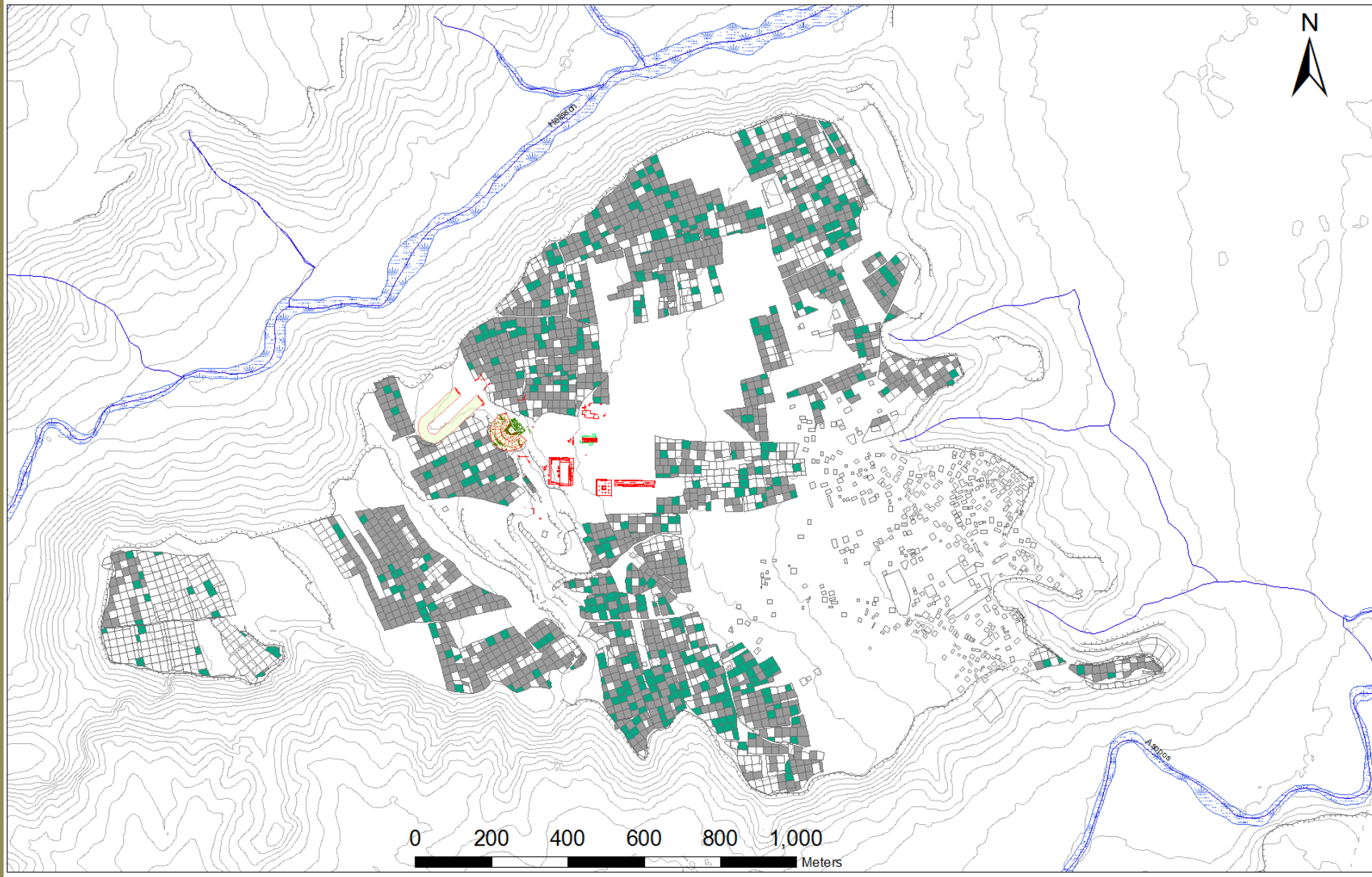



Stadium
Theatre
Gymnasium
Toe of 238 ka terrace slope
Temple
Starting
Line

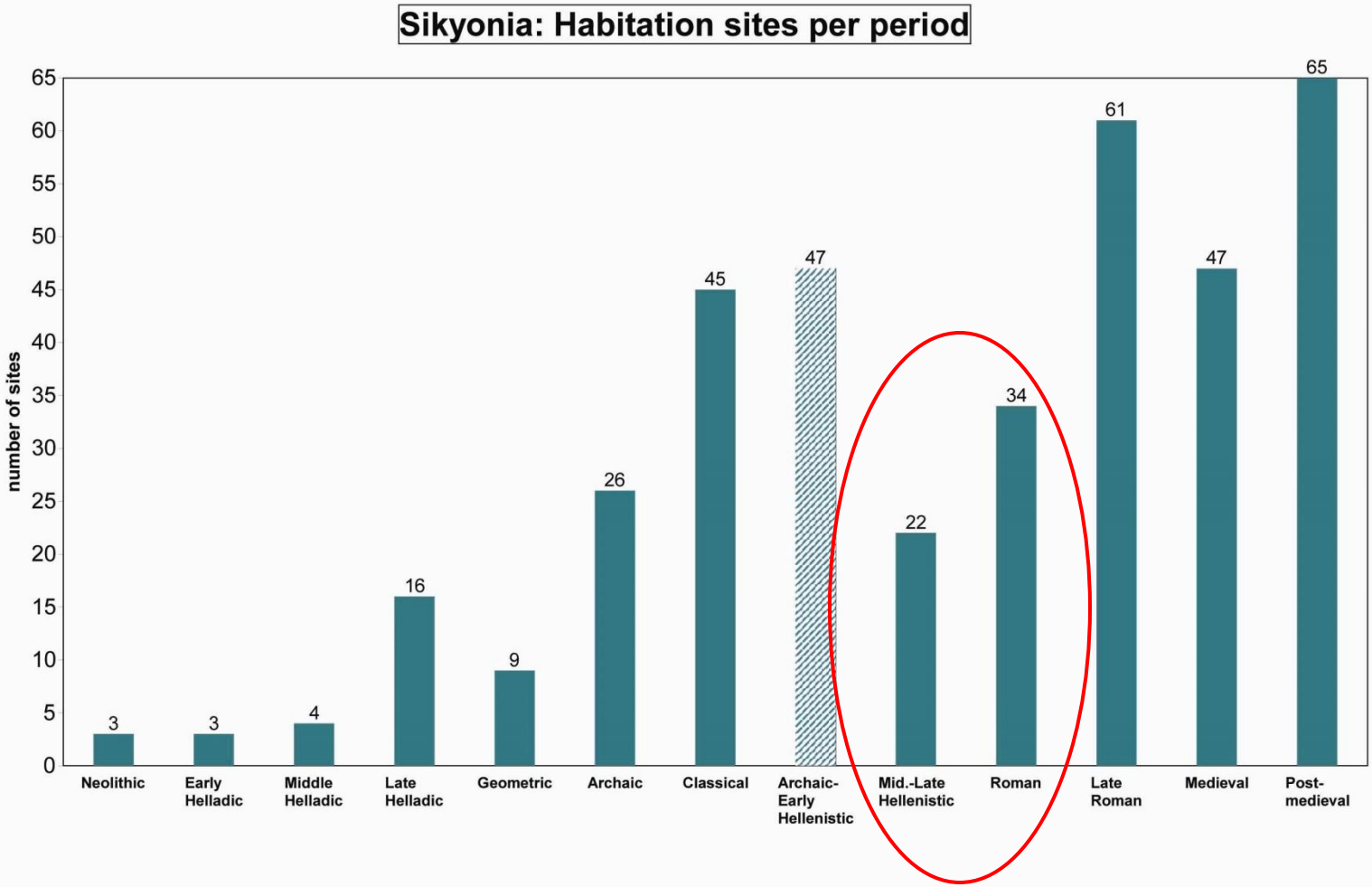
Τετράγωνα με κεραμική της πρώιμης ελληνιστικής περιόδου



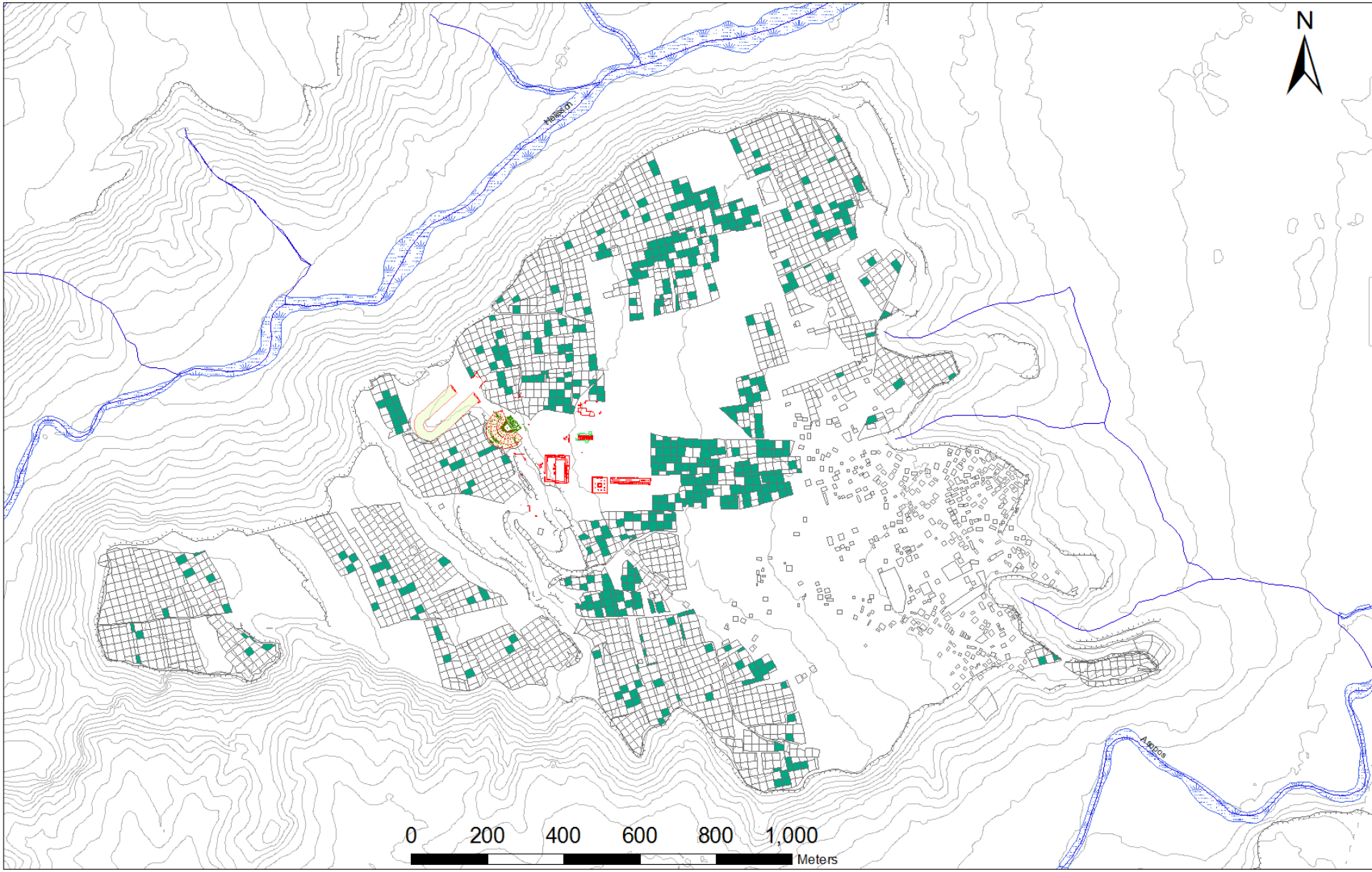
Τετράγωνα με κεραμική ύστερων ελληνιστικών και πρώιμων ρωμαϊκών χρόνων



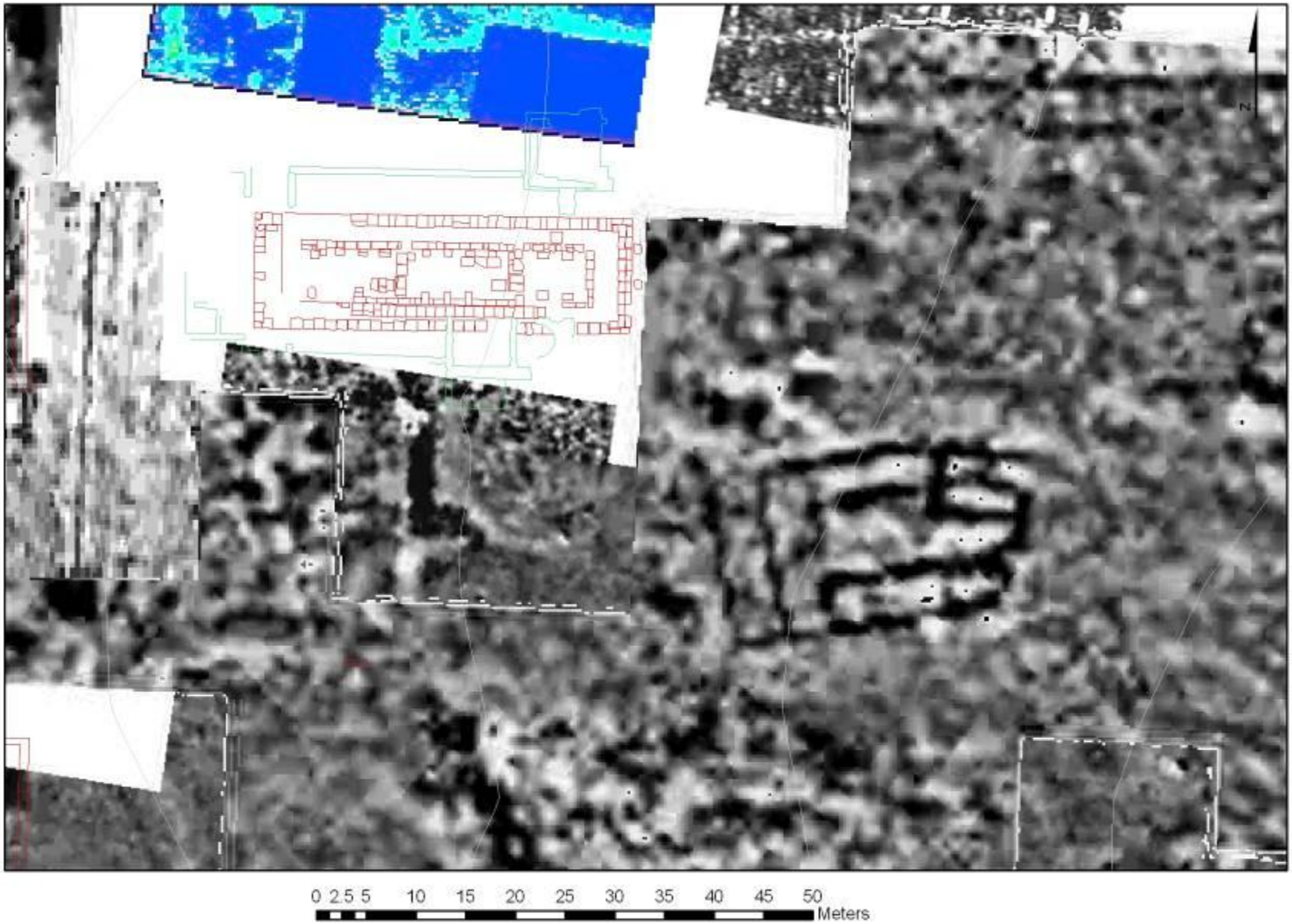

N
2590 ft
Image © 2009 DigitalGlobe
Google
37°59'01.13" N 22°42'53.15" E
elev 531 ft
Sep 3, 2003
Eye alt 9810 ft

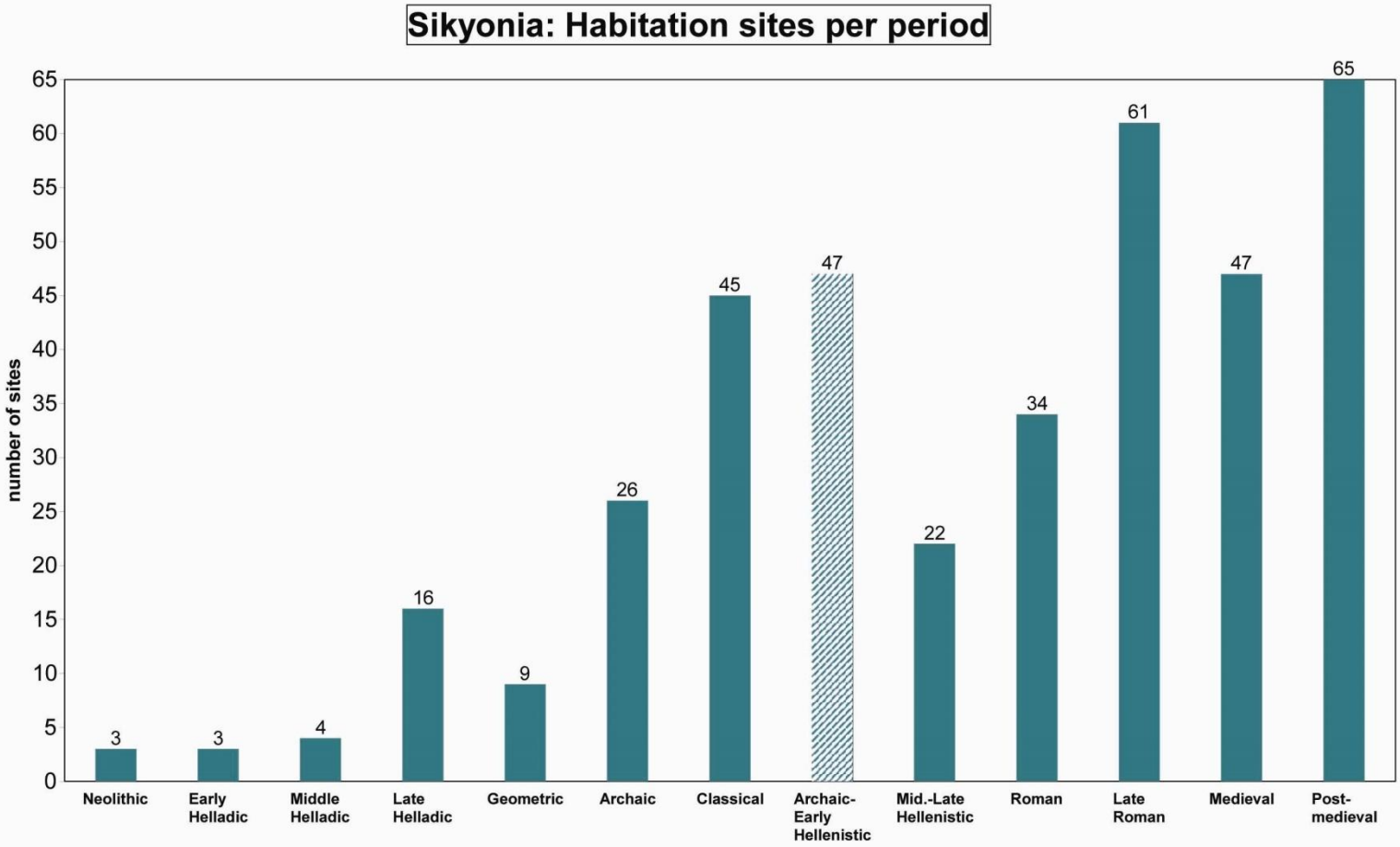

Sikyonia: Habitation sites per period
number of sites
0
5
10
15
20
25
30
35
40
45
50
55
60
65
3
3
4
16
9
26
45
47
22
34
61
47
65
Neolithic
Early Helladic
Middle Helladic
Late Helladic
Geometric
Archaic
Classical
Archaic-Early Hellenistic
Mid.-Late Hellenistic
Roman
Late Roman
Medieval
Post-medieval

Τετράγωνα με κεραμική υστερορρωμαϊκής και πρώιμης βυζαντινής περιόδου

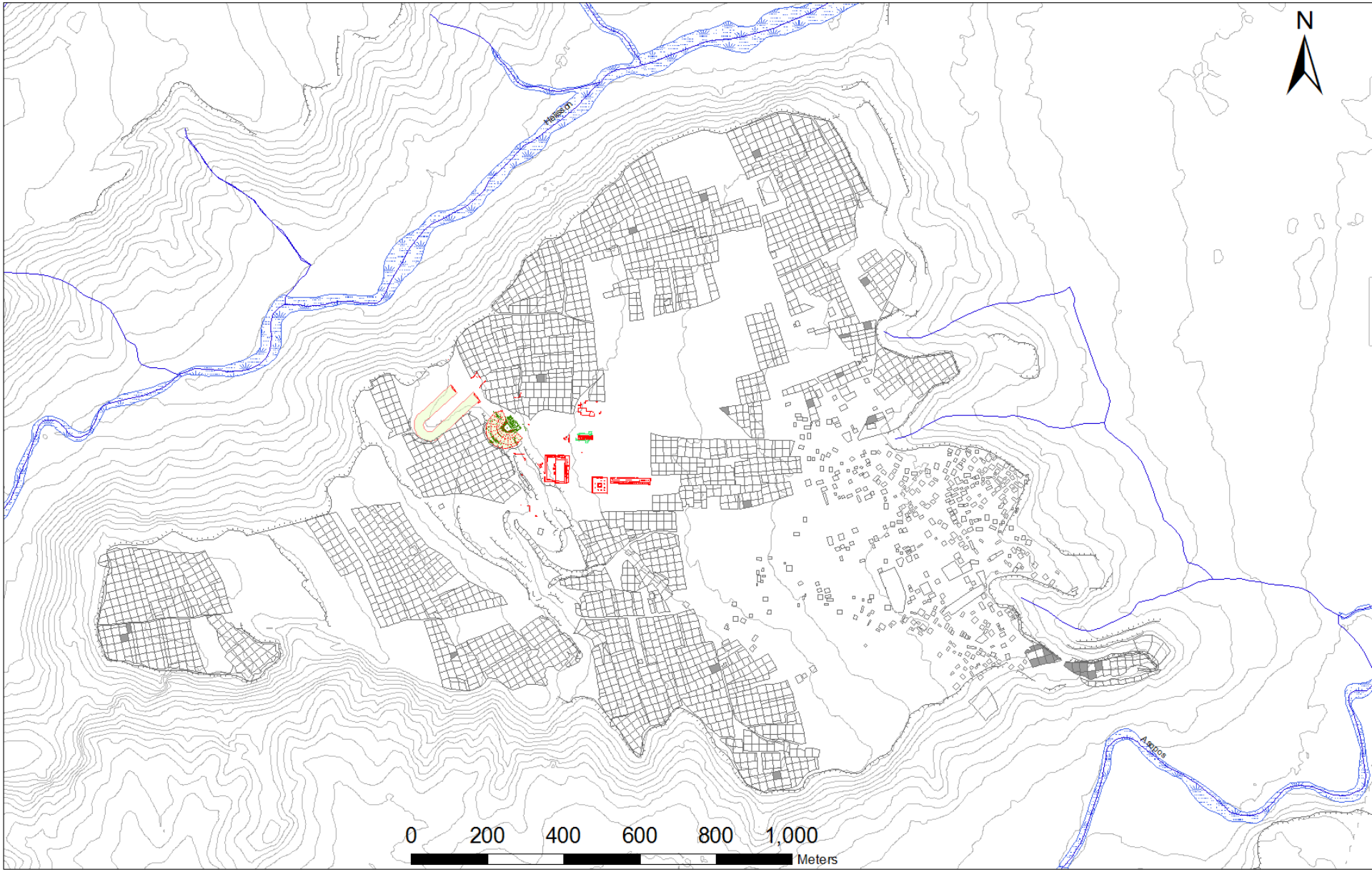


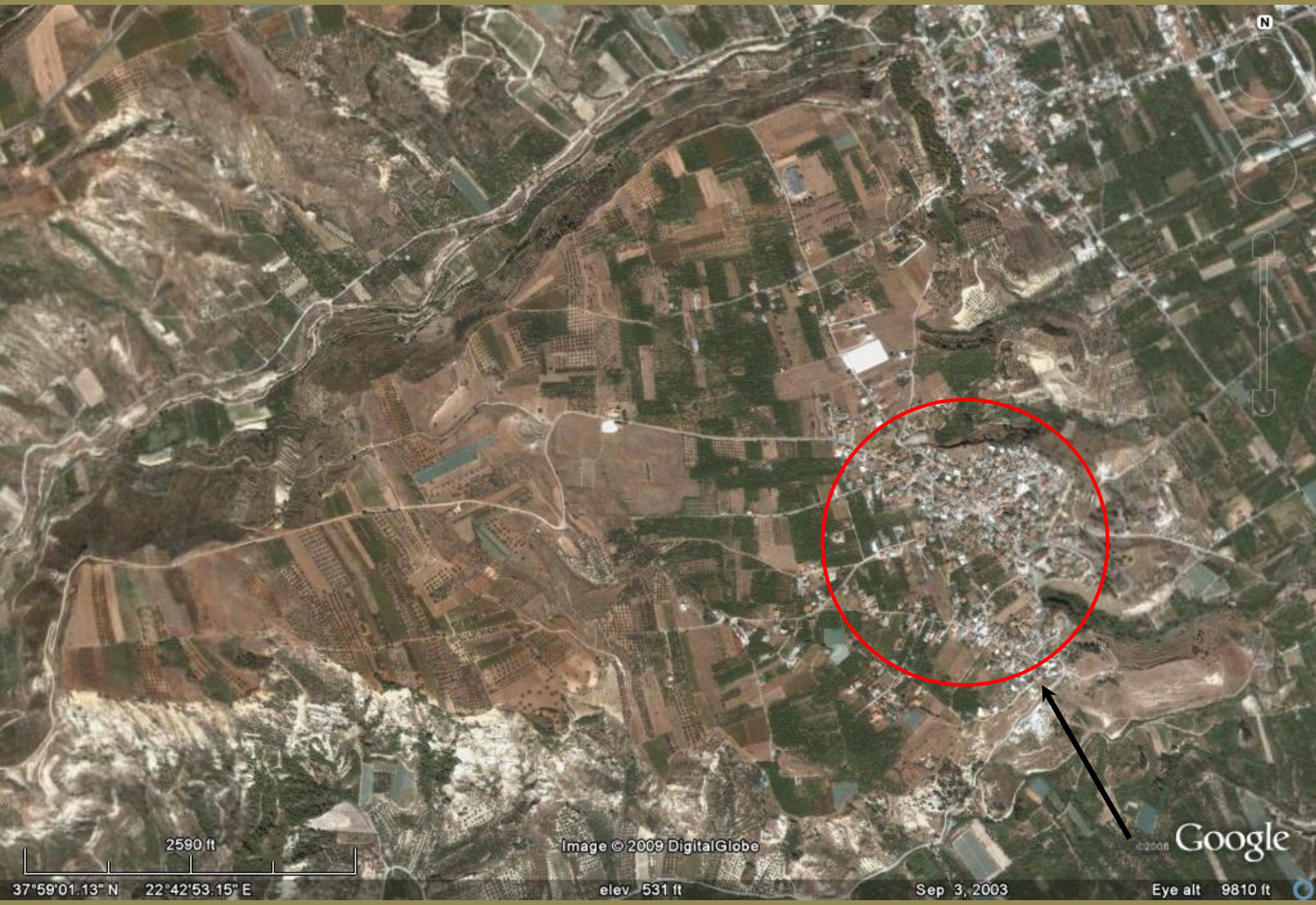

N
2590 ft
Image © 2009 DigitalGlobe
Google
37°59'01.13" N 22°42'53.15" E
elev 531 ft
Sep 3, 2003
Eye alt 9810 ft


N
0 2.5 5 10 15 20 25 30 35 40 45 50
Meters

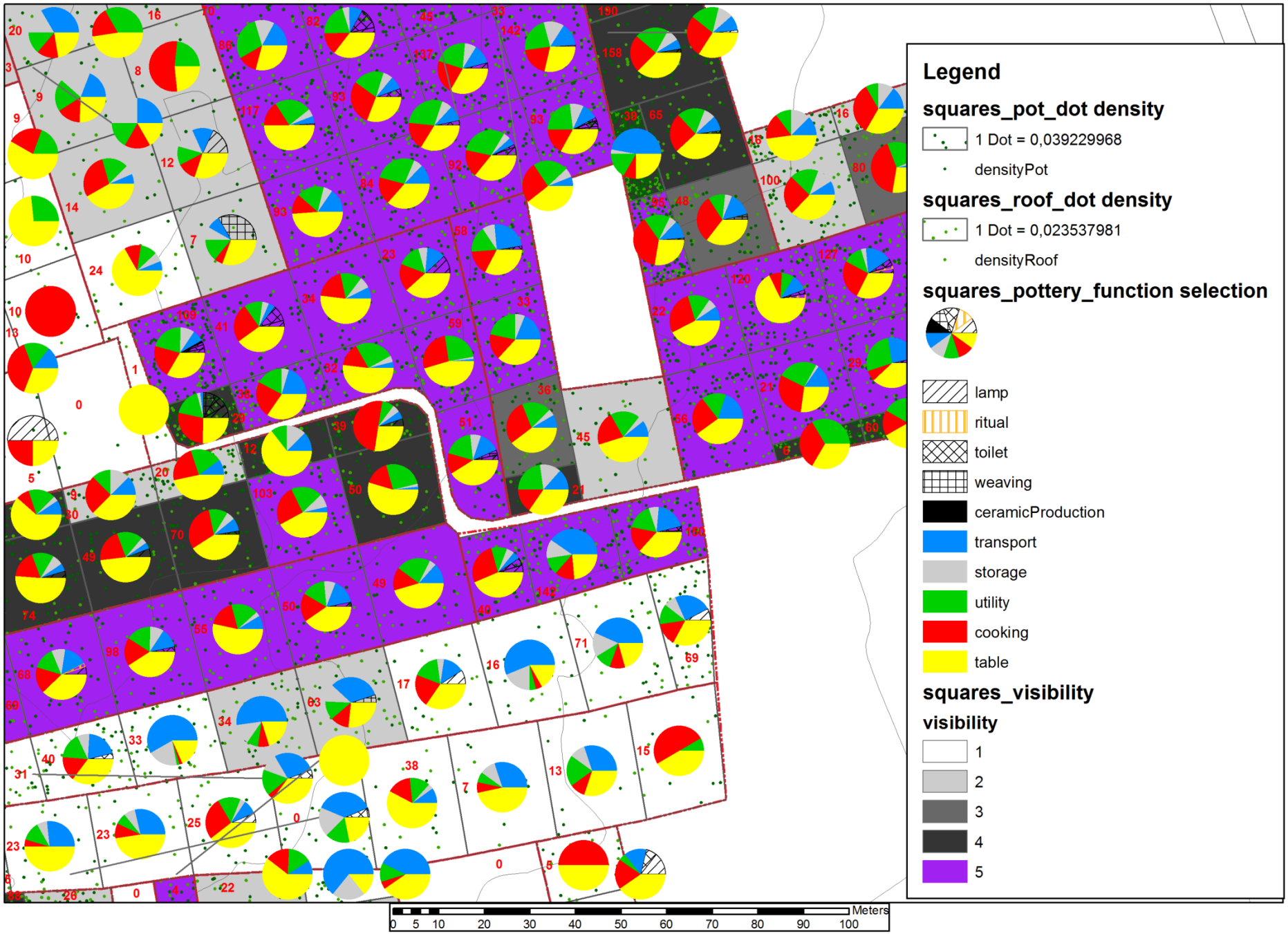

Sikyonia: Habitation sites per period
number of sites
0
5
10
15
20
25
30
35
40
45
50
55
60
65
3
3
4
16
9
26
45
47
22
34
61
47
65
Neolithic
Early Helladic
Middle Helladic
Late Helladic
Geometric
Archaic
Classical
Archaic-Early Hellenistic
Mid.-Late Hellenistic
Roman
Late Roman
Medieval
Post-medieval

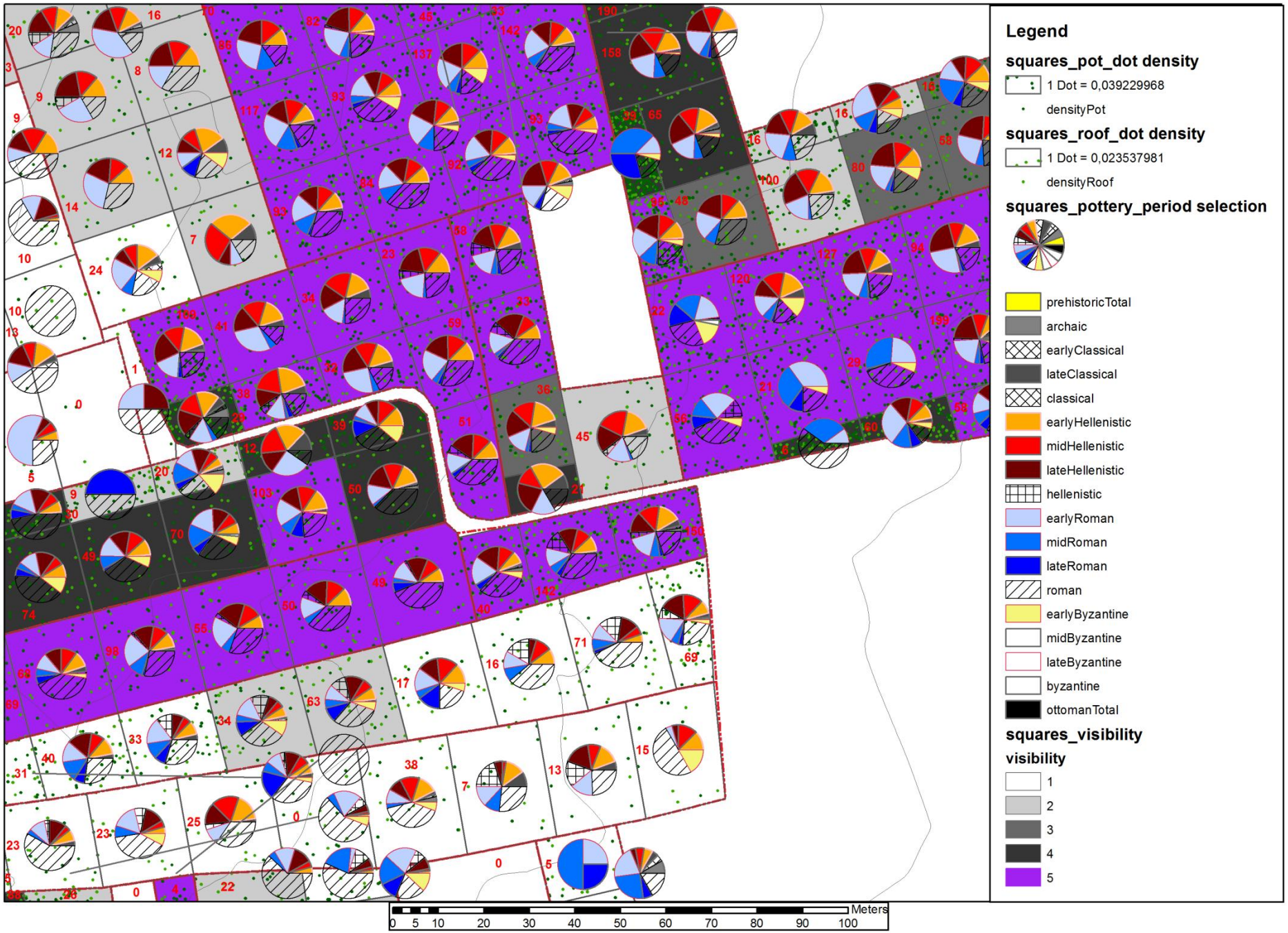
Τετράγωνα με κεραμική της ύστερης Βυζαντινής και μετα-βυζαντινής περιόδου

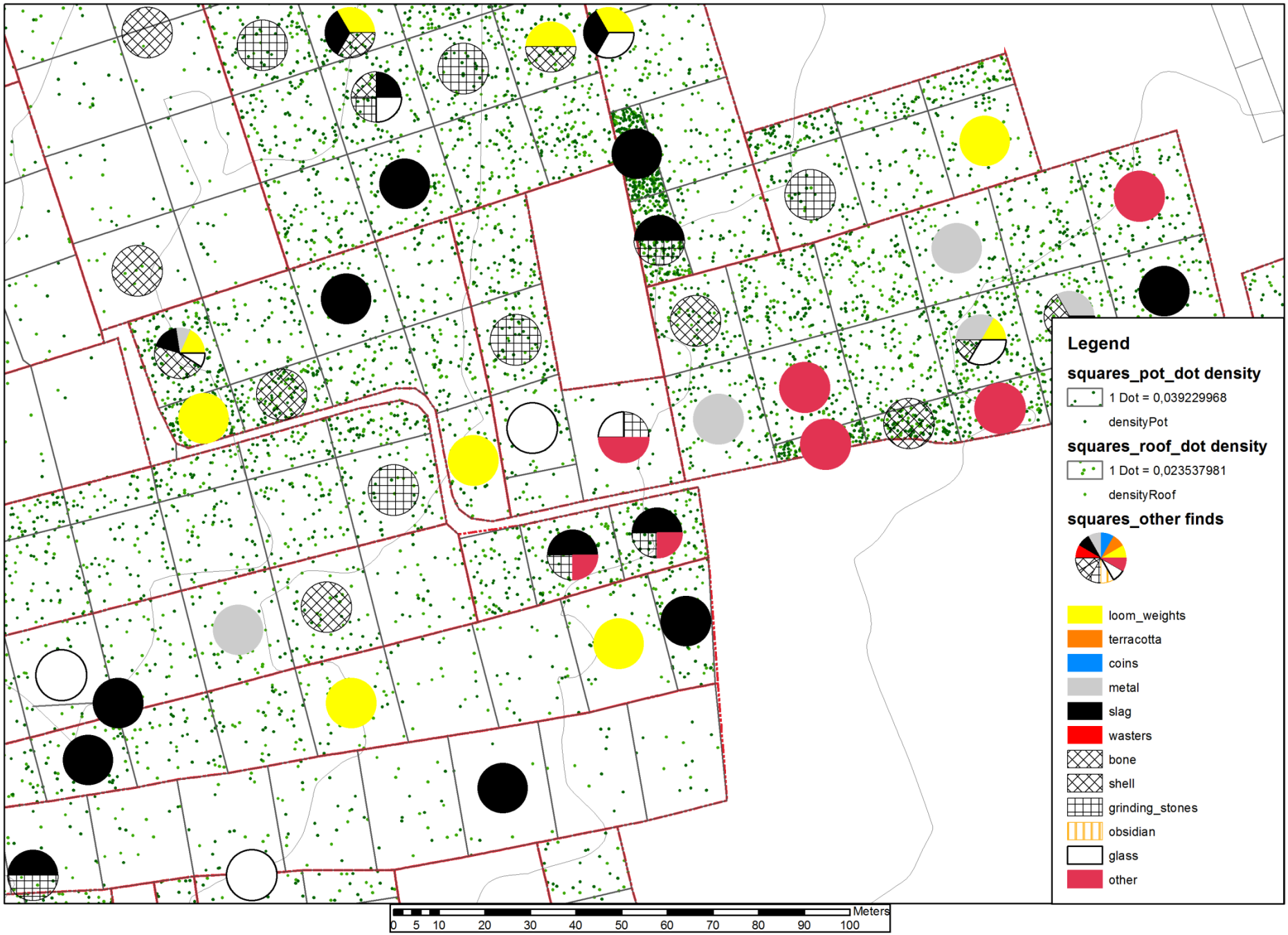


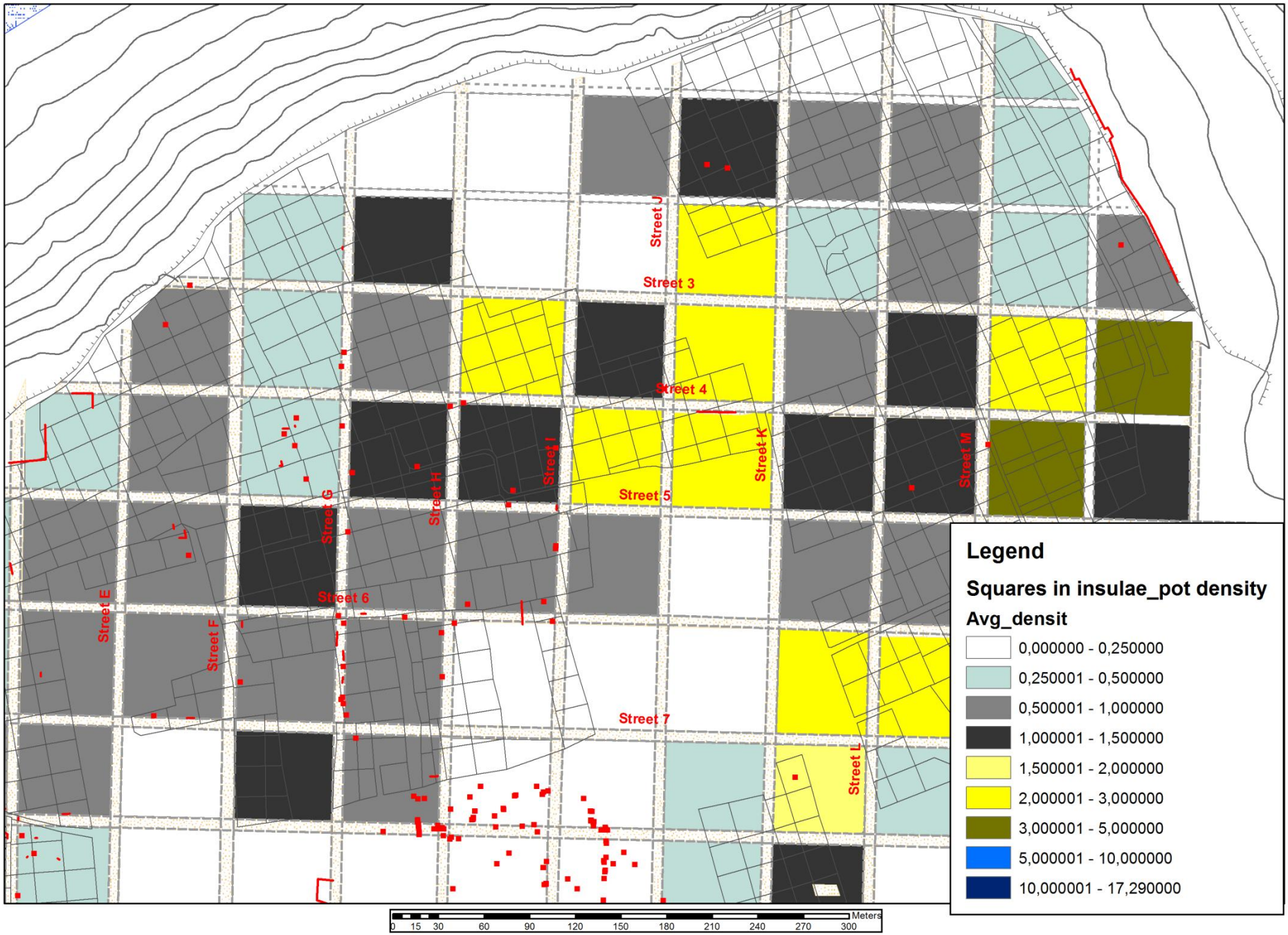

N
2590 ft
Image © 2009 DigitalGlobe
Google
37°59'01.13" N 22°42'53.15" E
elev 531 ft
Sep 3, 2003
Eye alt 9810 ft

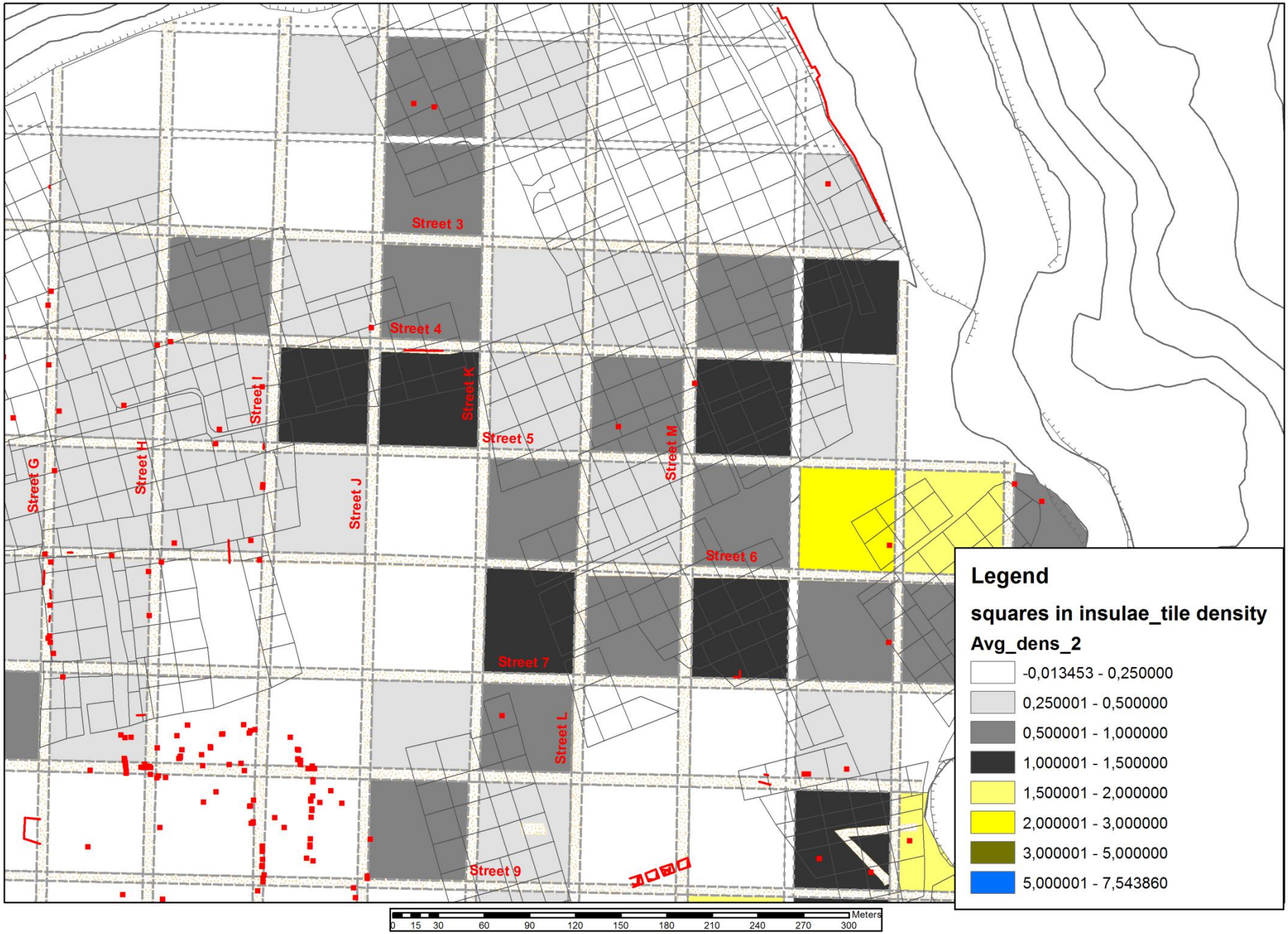
Courtesy of John Camp

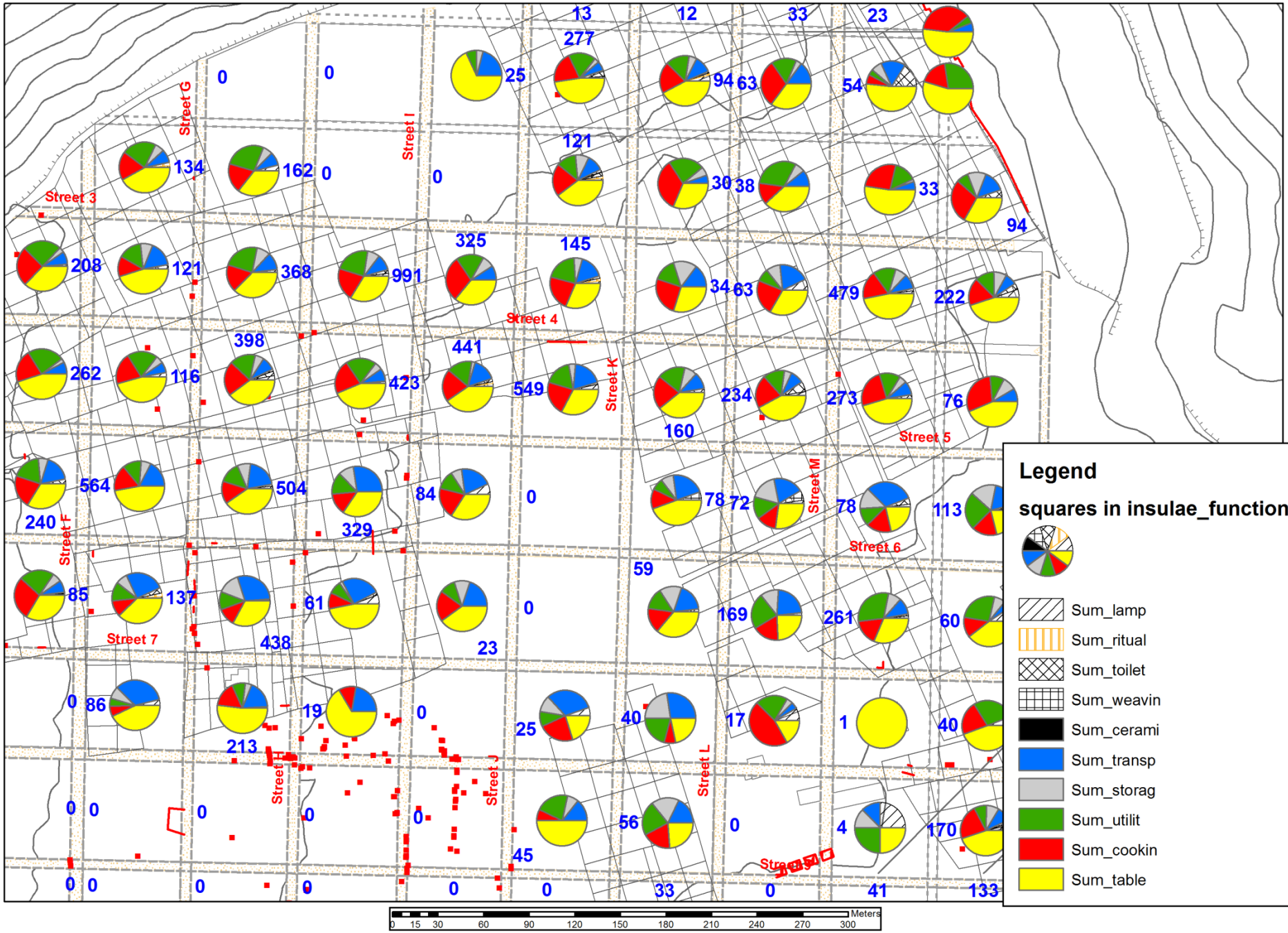

Legend
squares_pot_dot density
1 Dot = 0,039229968
densityPot
squares_roof_dot density
1 Dot = 0,023537981
densityRoof
squares_pottery_function selection
lamp
ritual
toilet
weaving
ceramicProduction
transport
storage
utility
cooking
table
squares_visibility
visibility
1
2
3
4
5
Meters
0 5 10 20 30 40 50 60 70 80 90 100

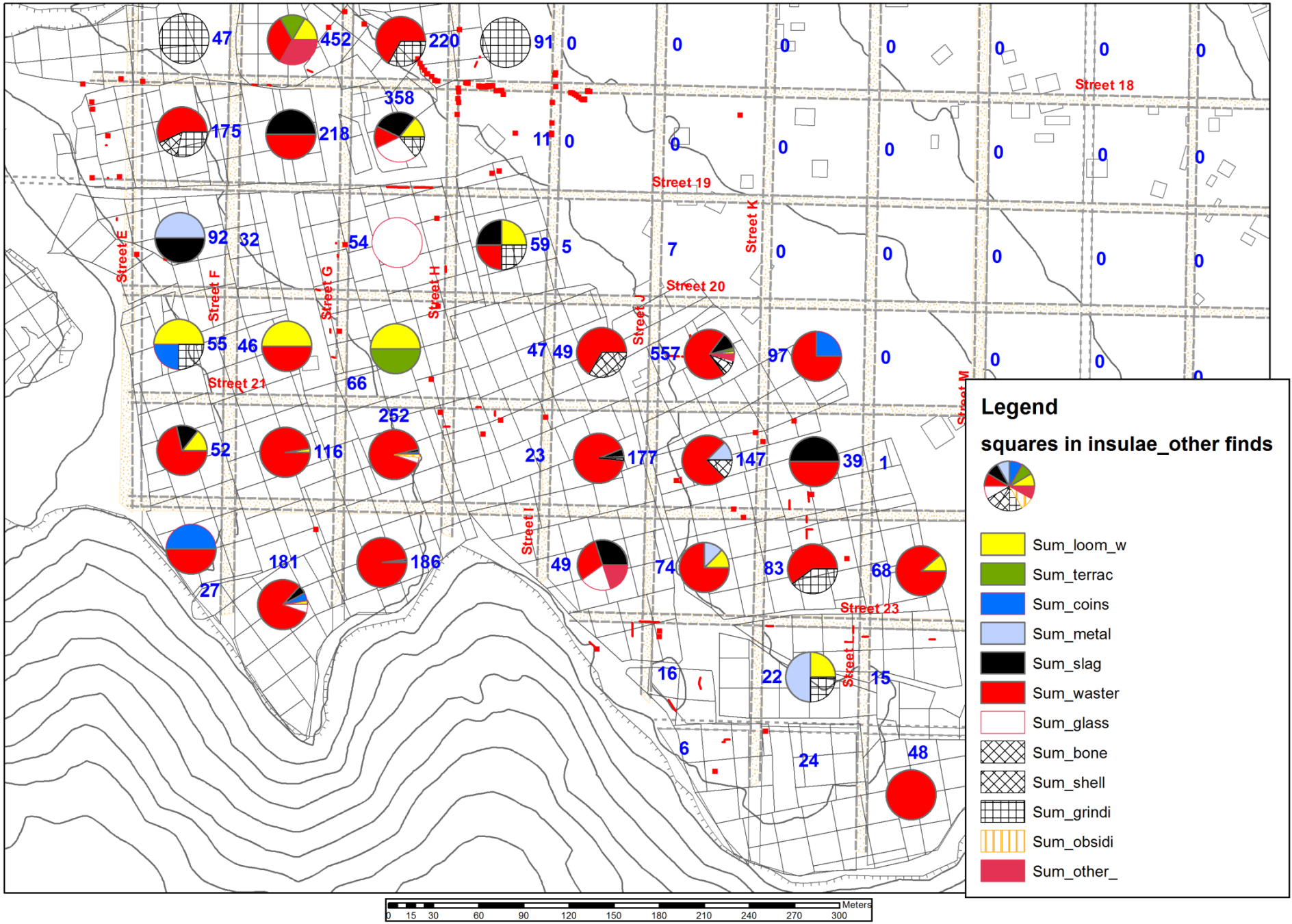

Legend
squares_pot_dot density
1 Dot = 0,039229968
densityPot
squares_roof_dot density
1 Dot = 0,023537981
densityRoof
squares_pottery_period selection
prehistoricTotal
archaic
earlyClassical
lateClassical
classical
earlyHellenistic
midHellenistic
lateHellenistic
hellenistic
earlyRoman
midRoman
lateRoman
roman
earlyByzantine
midByzantine
lateByzantine
byzantine
ottomanTotal
squares_visibility
visibility
1
2
3
4
5
Meters
0 5 10 20 30 40 50 60 70 80 90 100

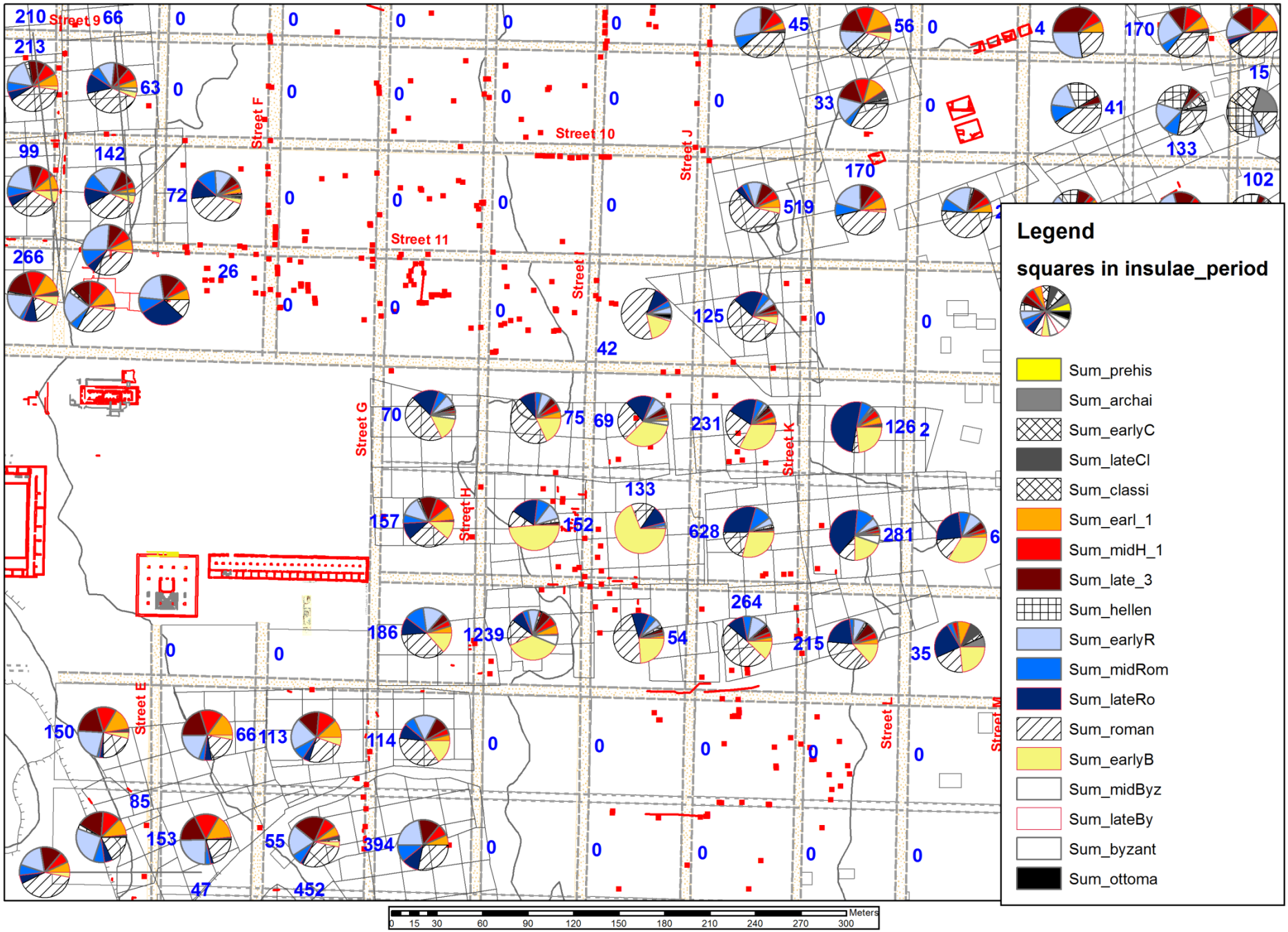

Legend
squares_pot_dot density
1 Dot = 0,039229968
densityPot
squares_roof_dot density
1 Dot = 0,023537981
densityRoof
squares_other finds
loom_weights
terracotta
coins
metal
slag
wasters
bone
shell
grinding_stones
obsidian
glass
other
Meters
0 5 10 20 30 40 50 60 70 80 90 100

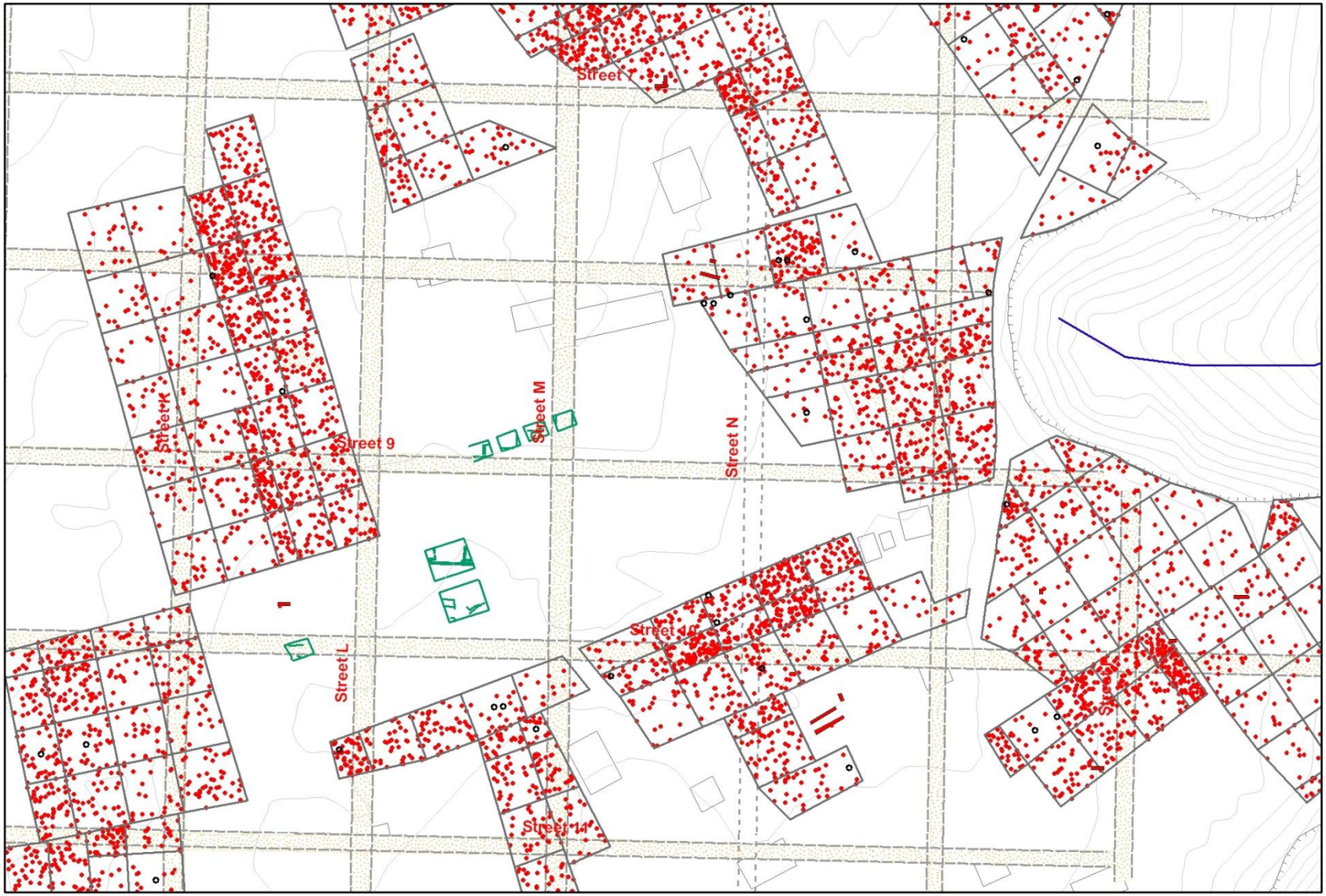

Street 3
Street 4
Street 5
Street 6
Street 7
Street E
Street F
Street G
Street H
Street I
Street J
Street K
Street L
Street M
Legend
Squares in insulae_pot density
Avg_densit
0,000000 - 0,250000
0,250001 - 0,500000
0,500001 - 1,000000
1,000001 - 1,500000
1,500001 - 2,000000
2,000001 - 3,000000
3,000001 - 5,000000
5,000001 - 10,000000
10,000001 - 17,290000
Meters
0 15 30 60 90 120 150 180 210 240 270 300

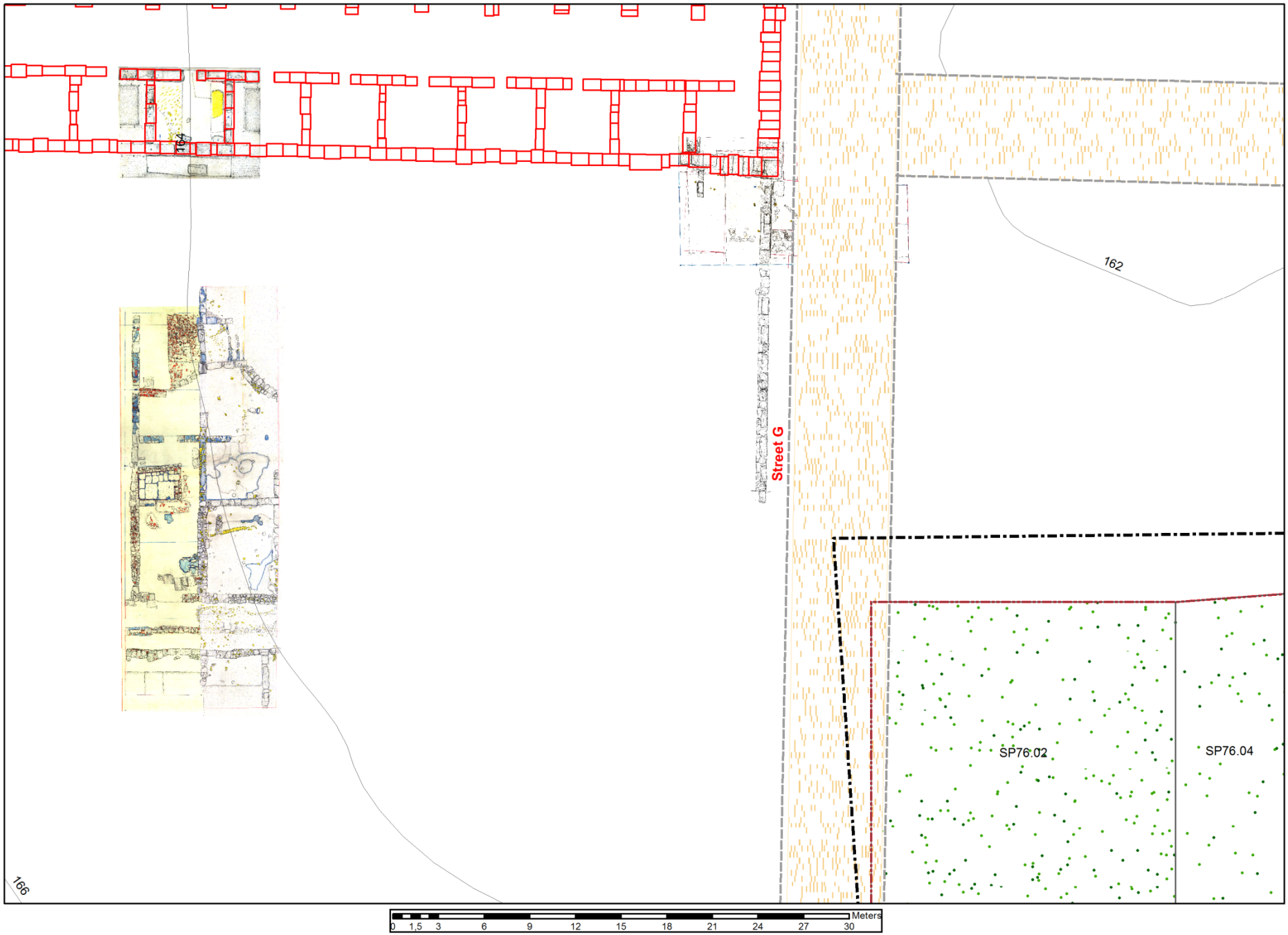

Street 3
Street 4
Street 5
Street 6
Street 7
Street 9
Street G
Street H
Street I
Street J
Street K
Street L
Street M
Legend
squares in insulae_tile density
Avg_dens_2
-0,013453 - 0,250000
0,250001 - 0,500000
0,500001 - 1,000000
1,000001 - 1,500000
1,500001 - 2,000000
2,000001 - 3,000000
3,000001 - 5,000000
5,000001 - 7,543860
Meters
0 15 30 60 90 120 150 180 210 240 270 300


Street 3
Street G
Street I
Street 4
Street K
Street 5
Street M
Street 6
Street F
Street 7
Street J
Street L
Legend
squares in insulae_function
Sum_lamp
Sum_ritual
Sum_toilet
Sum_weavin
Sum_cerami
Sum_transp
Sum_storag
Sum_utilit
Sum_cookin
Sum_table
Meters
0 15 30 60 90 120 150 180 210 240 270 300


Street 18
Street 19
Street 20
Street 21
Street 23
Street E
Street F
Street G
Street H
Street I
Street J
Street K
Street L
Street M
Legend
squares in insulae_other finds
Sum_loom_w
Sum_terrac
Sum_coins
Sum_metal
Sum_slag
Sum_waster
Sum_glass
Sum_bone
Sum_shell
Sum_grindi
Sum_obsidi
Sum_other_
Meters
0 15 30 60 90 120 150 180 210 240 270 300


Legend
squares in insulae_period
Sum_prehis
Sum_archai
Sum_earlyC
Sum_lateCl
Sum_classi
Sum_earl_1
Sum_midH_1
Sum_late_3
Sum_hellen
Sum_earlyR
Sum_midRom
Sum_lateRo
Sum_roman
Sum_earlyB
Sum_midByz
Sum_lateBy
Sum_byzant
Sum_ottoma
Street 9
Street 10
Street 11
Street E
Street F
Street G
Street H
Street I
Street J
Street K
Street L
Street M
Meters
0 15 30 60 90 120 150 180 210 240 270 300


Street 7
Street 9
Street K
Street M
Street N
Street L
Street 14
Street 10
0 5 10 20 30 40 50 60 70 80 90 100
Meters


Street G
162
166
SP76.02
SP76.04
0 1,5 3 6 9 12 15 18 21 24 27 30
Meters


N
0
250
500
1,000
1,500
2,000
2,500
3,000
Meters