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UNIVERSITY OF SOUTHAMPTON

FACULTY OF HUMANITIES

Department of Archaeology

Volume 2 of 2

 $\label{eq:construction} \mbox{Reconstructions Pozzuoli:} \\ \mbox{Textual and visual reconstructions of a Roman port town} \\ \mbox{by}$

Elizabeth De Gaetano

Thesis for the degree of Doctor of Philosophy

September 2013

UNIVERSITY OF SOUTHAMPTON

ABSTRACT

FACULTY OF HUMANITIES

Department of Archaeology

Thesis for the degree of Doctor of Philosophy

VISUALISING POZZUOLI: TEXTUAL AND VISUAL RECONSTRUCTIONS OF A ROMAN PORT TOWN

Elizabeth De Gaetano

With its long tradition of trade contacts with the eastern Mediterranean, coupled with the productivity of Campania, Pozzuoli rapidly became a centre for technical and commercial expertise. It soon became the principal port of the Capital in the late 3rd and 2nd Centuries BC and maintained its function as a port of Rome at least till the 3rd Century AD. Pozzuoli was also a 'packet port' for travellers to the east and the principal place of arrivals and departures for officials, embassies and ordinary travellers making the port very cosmopolitan in nature. Its richness in archaeological remains coupled with its unique geological setting has resulted in plenty of scholarly research, particularly on the individual public monuments of the port. There has however been little attempt to understand the urban development of the port and when compared to other Campanian towns such as Pompeii and Herculaneum, thematic research in the area is still in its infancy.

The context within which the study will take place is the idea of knowledge representation and the use of visualisation as a tool for understanding complex datasets. Pozzuoli has been represented in many ways through various periods in time and a digital visualisation, together with the process with which the vast documentation is selected gathered, transformed and ultimately aims to provide a legitimate synthesis of all the complex information that has accumulated over time. The methodology adopted will be that which adheres to the principles of the London Charter with a particular a focus on the documentation of process known as 'Paradata' and attempts to provide a new critical example of its implementation.

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DECLARATION OF AUTHORSHIP

I, Elizabeth De Gaetano

declare that the thesis entitled

Reconstructing Pozzuoli: Textual and visual reconstructions of a Roman port town

and the work presented in the thesis are both my own, and have been generated by me as the result of my own original research. I confirm that:

- this work was done wholly or mainly while in candidature for a research degree at this University;
- where any part of this thesis has previously been submitted for a degree or any other qualification at this University or any other institution, this has been clearly stated;
- where I have consulted the published work of others, this is always clearly attributed;
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- none of this work has been published before submission, or [delete as appropriate] parts of this work have been published as: [please list references]

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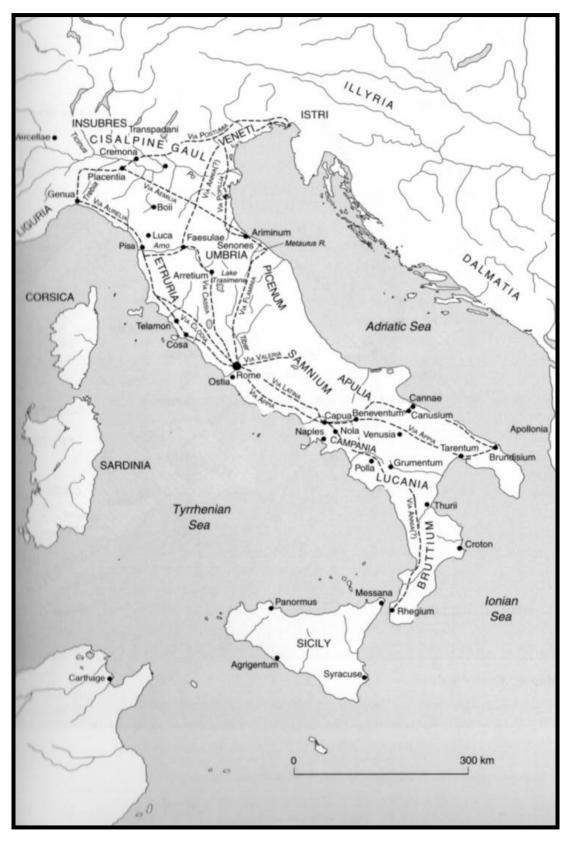


Figure 1: Map of Italy and the Islands (after Rosenstein and Morstein-Marx: 2010)



Figure 2: Map of Italy highlighting the mountain ranges (after LaFleur and Elliot: 2000-2001)

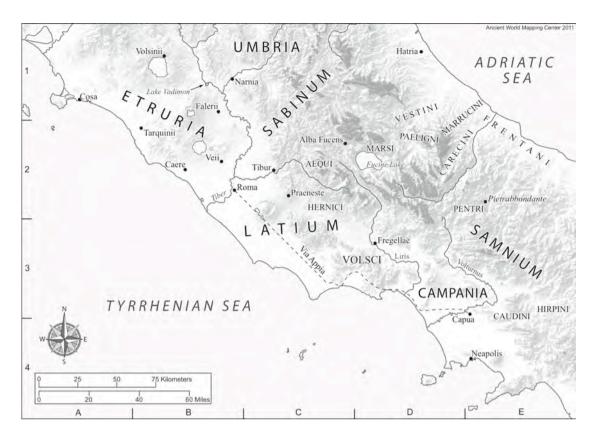


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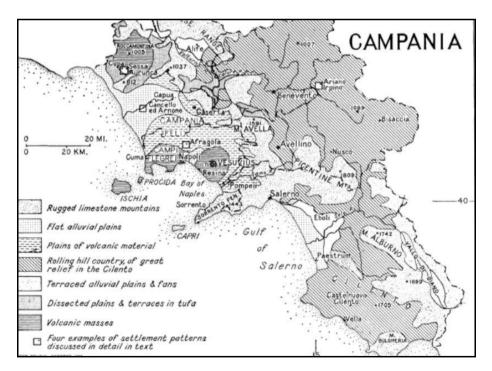


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Figure 5: Photo highlighting the contrasting elements of the campanian landscape (Photo by Elizabeth De Gaetano)



Figure 6: Map showing the volcanic areas in the campanian region (copyright: Google Earth)



Figure 7: Map with the ancient names for the various parts of the campanian region (Barrington Atlas: 2000)



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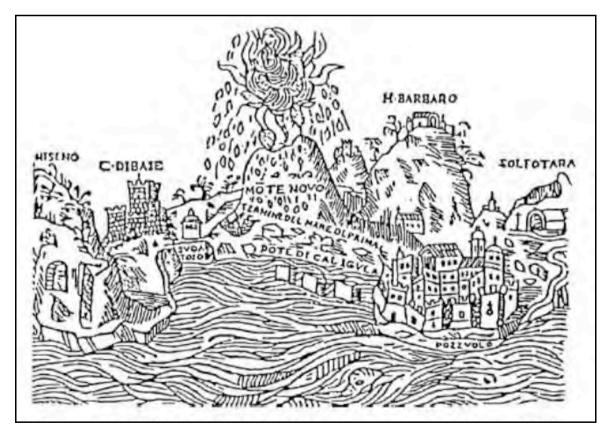


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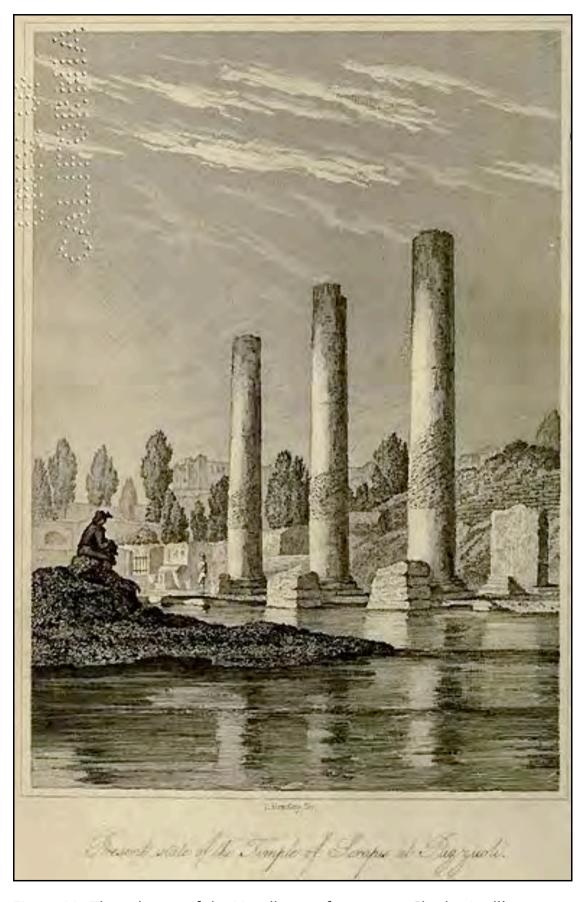


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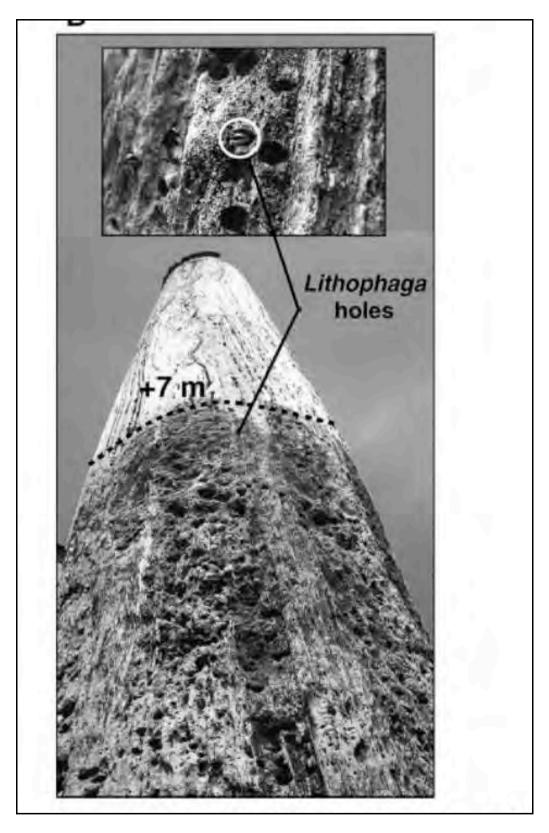


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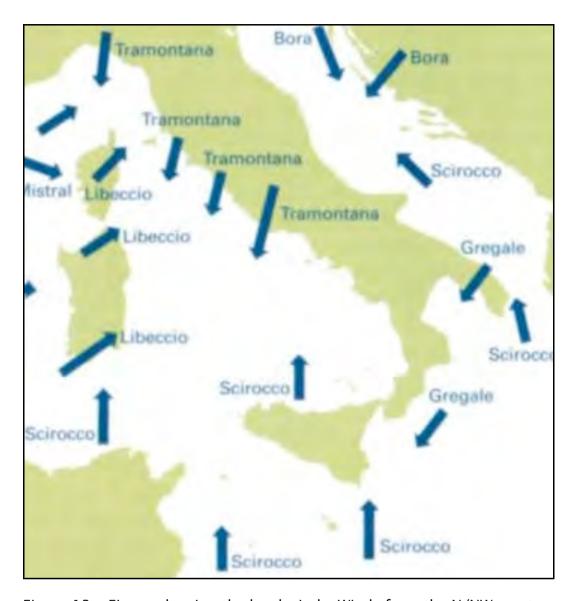


Figure 13a: Figure showing the local winds. Winds from the N/NW most common in the summer, are not shown (After Heikell 2011)

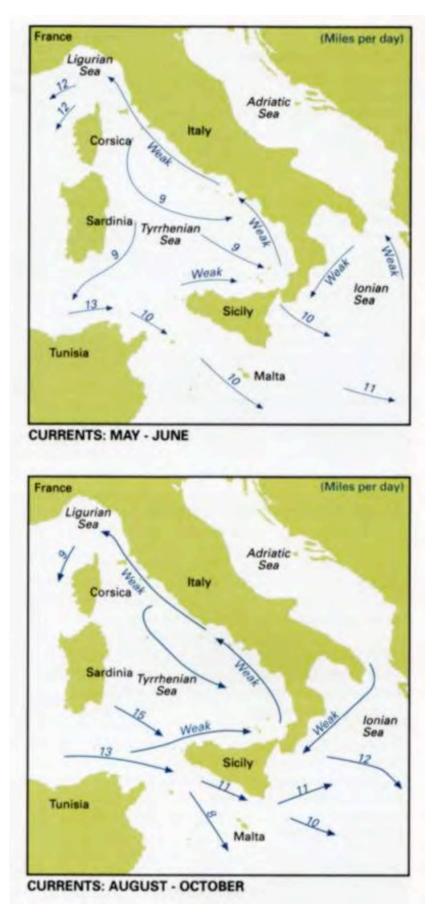


Figure 13b: Figures showing the predominant currents in the Mediterranean sea (After Heikell 2011)

PUTEOLANUS SINUS

Map for Wheelock's Latin Reacker, 2nd. Ed. (ISBN: 0060935065) Aquae Sinuessanae Massicus Mons . Beneventum Capua Volturnum Ruteoli Jerculaneum Nola Avernus Lacus Compsa **À Vesuvius Mons** Pompei **PAESTANUS** Poseidonia SINUS (Paestum) and Joyce Uy. , ight _ vinc) as map may cational u only. For all other uses, you must optain nission from the right ho

Figure 14a: Map of the Puteolean region (after Richard A. LaFleur and T. Elliot, N. Feldl, A. Retzleff, J. Uy: 2000-2001)

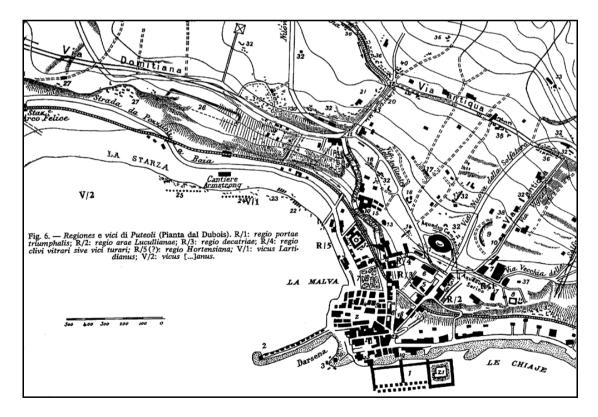


Figure 14b: Map of Puteoli with the various *regiones* as outlined by Camodeca (after Camodeca 1977)

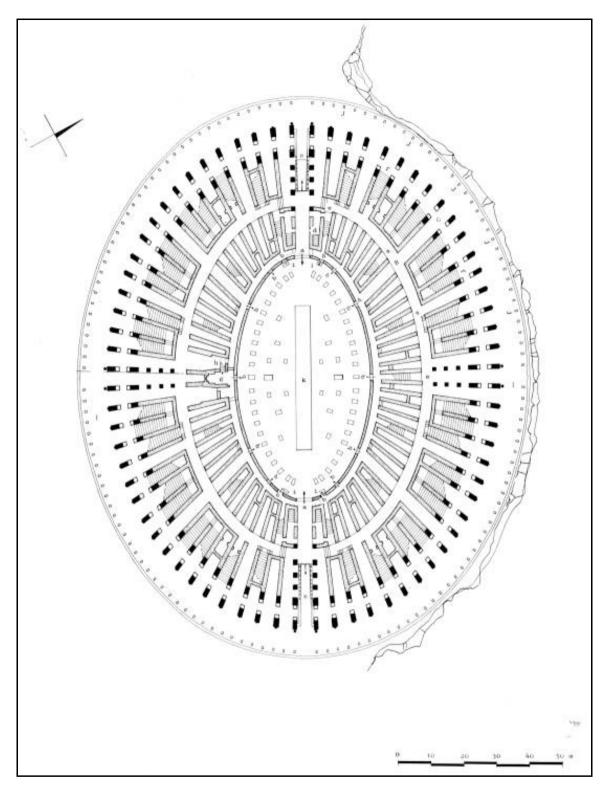


Figure 15 - Plan of the *Puteoli* amphitheatre (after Golvin: 1988)

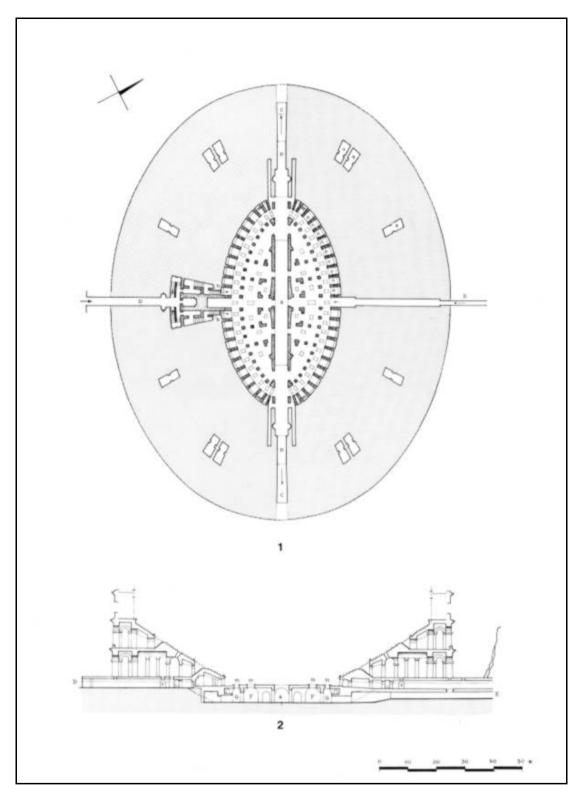


Figure 16: Plan of the subterranean area and section of the *Puteoli* amphitheatre (after Golvin 1988)

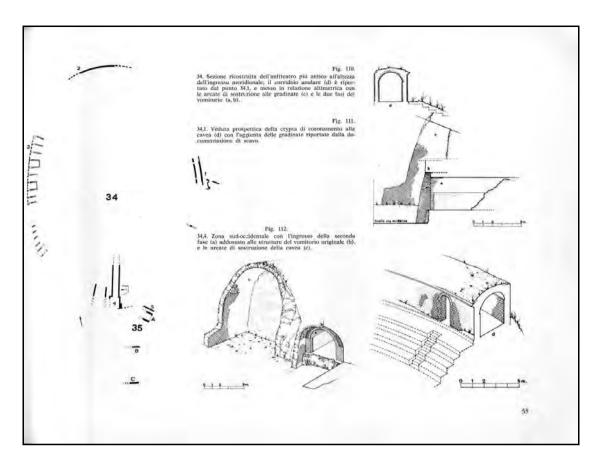


Figure 17: Plan, section and isometric drawings of the Republican amphitheatre (after Sommella 1978)

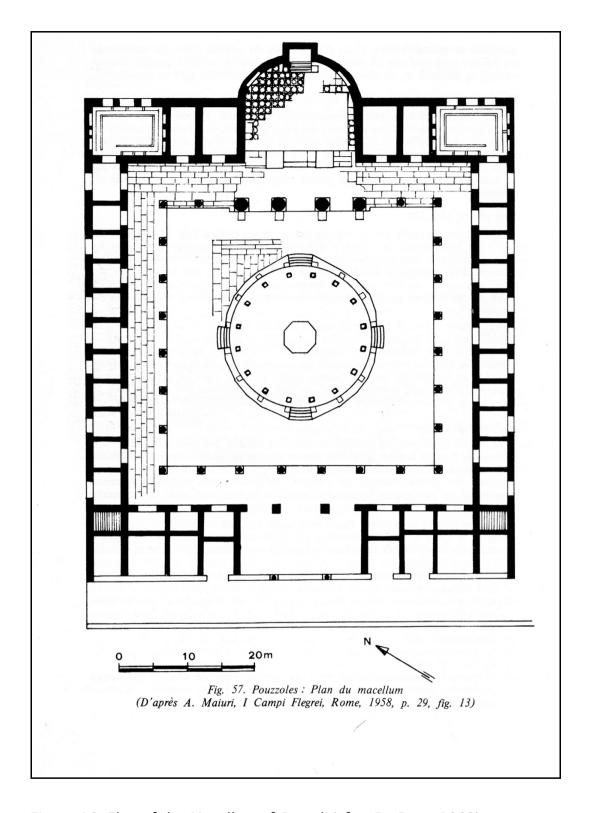


Figure 18: Plan of the *Macellum* of *Puteoli* (after De Ruyt: 1983)

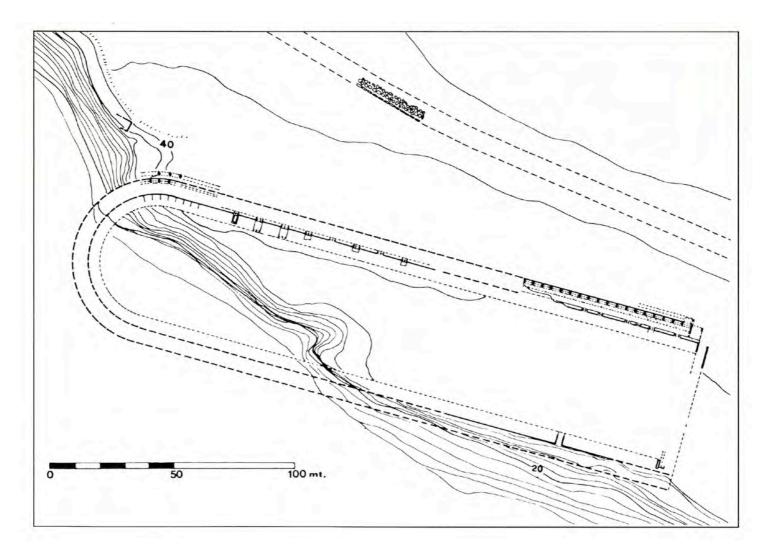


Figure 19: Plan of Pozzuoli's stadium (after Zevi:1993)

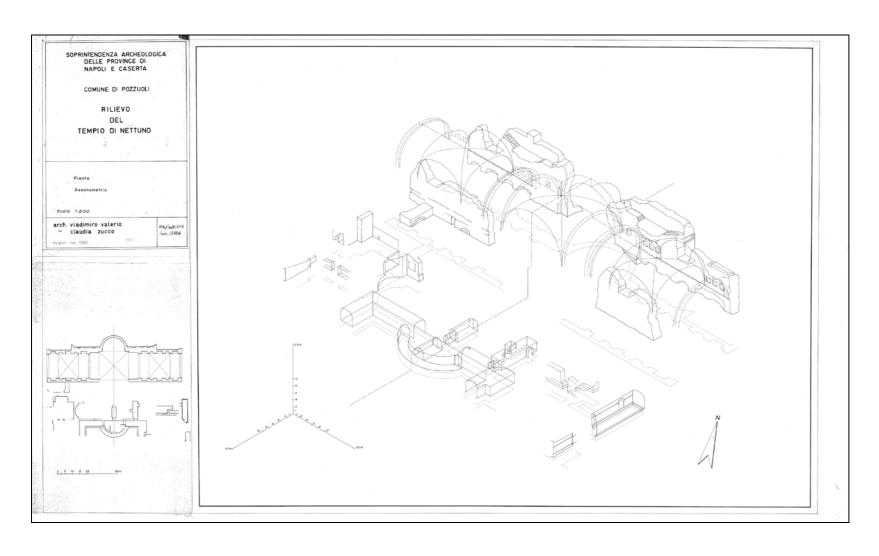


Figure 20: Isometric drawing of the surviving remains of the Roman baths in *Puteoli* Soprintendenza Napoli e Caserta (SANC)



Figure 21: Plan of *Puteoli* with archaeological remains noted (after Zevi:1993)

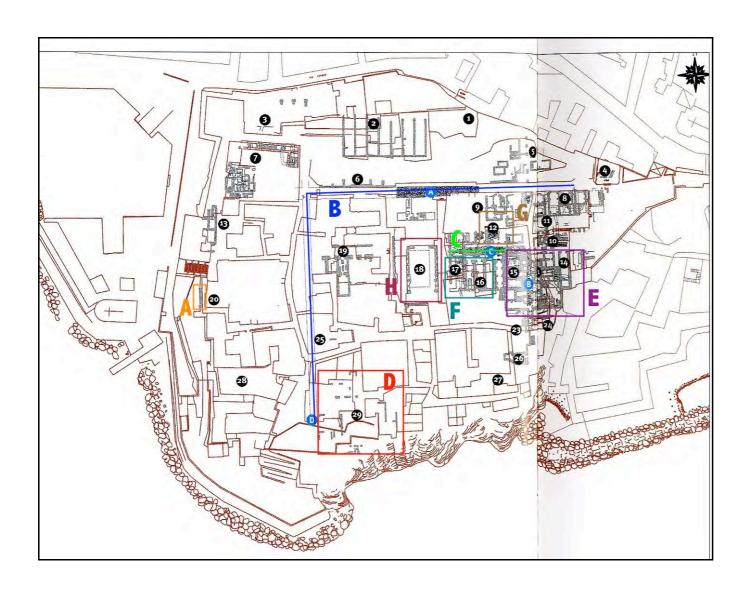


Figure 22: Plan of the Rione Terra promontory with areas marked for digitization (after Crimaco et al. 2001)

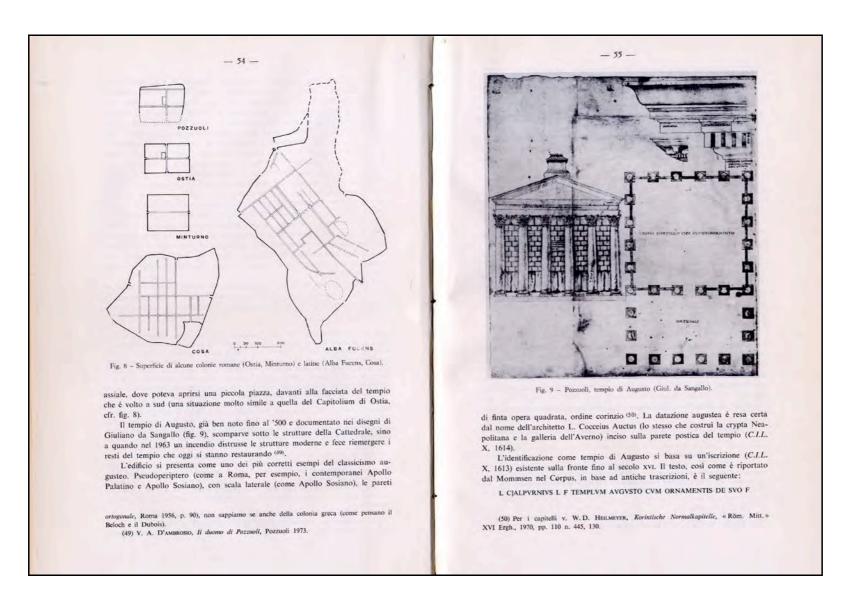


Figure 23: Plan and sketch of the Capitoliun of Rione Terra (drawn by Sangallo reproduced in Crimaco et al: 2001)

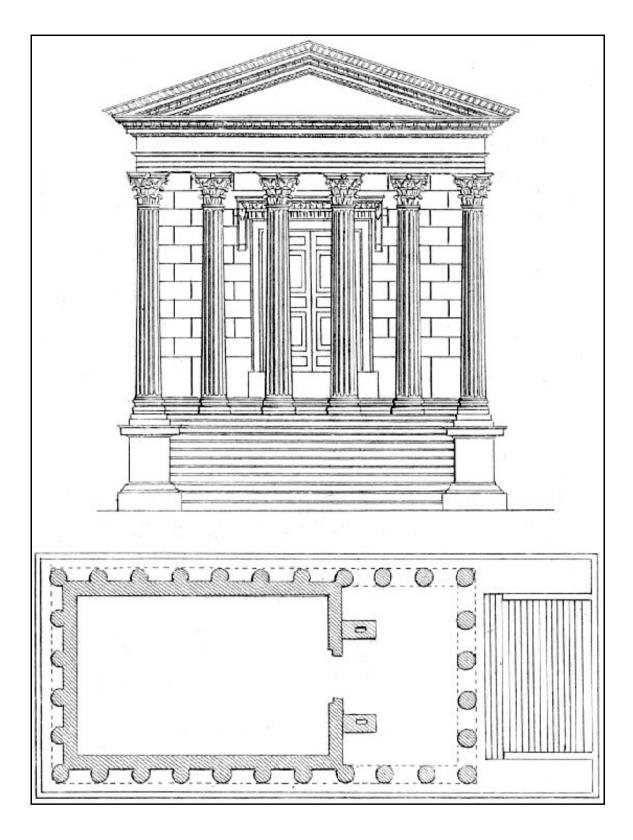


Figure 24: Plan and drawing of the façade of the *Maison Carrèe* at Nimes (after Jean Baptiste d'Agincourt: 1823)

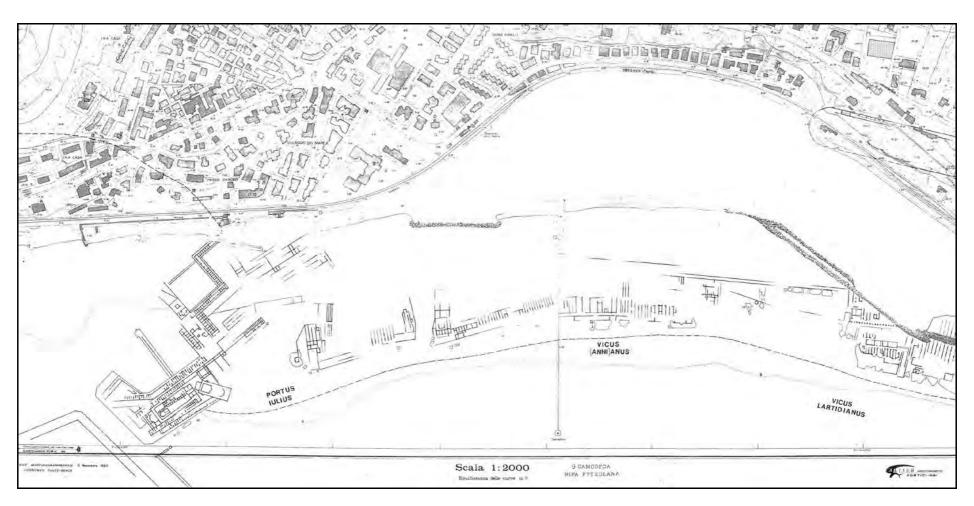


Figure 25: Plan of the underwater remains in the Pozzuoli harbor (by SANC)

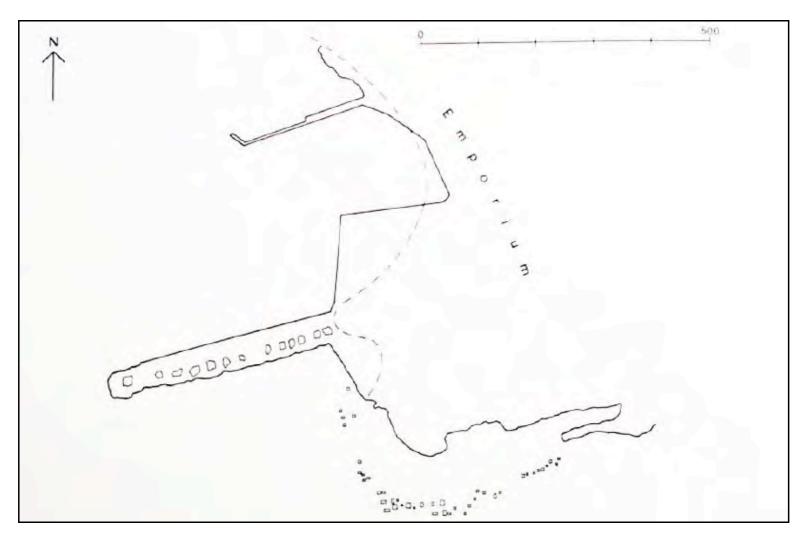


Figure 26: Oultline of Rione Terra with hypothesized location of the *Emporium* (Crimaco in Zevi 1993 - elaborated by F. Esposito)

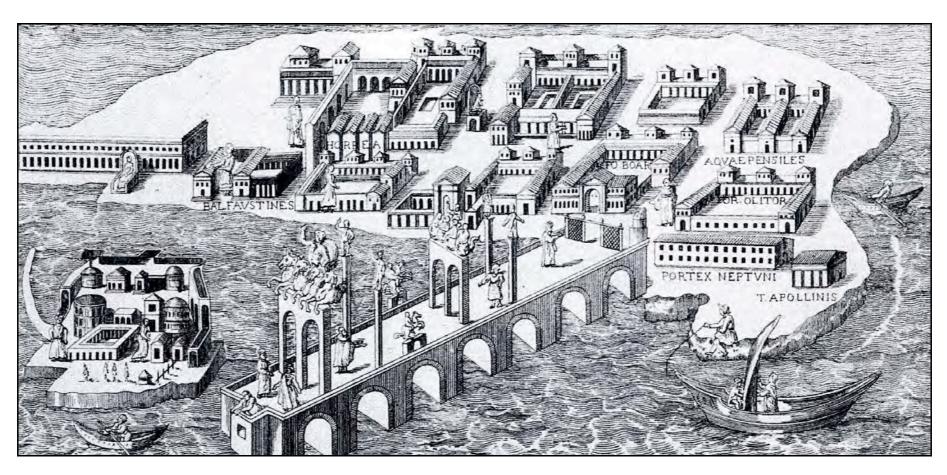


Figure 27: The *Bellori* drawing reproduced in DeCaro 2002

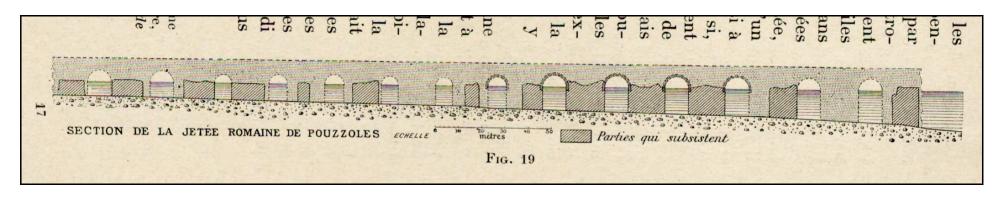


Figure 28: Dubois' drawing of the remains of the ancient pier of Pozzuoli (Dubois: 1907)

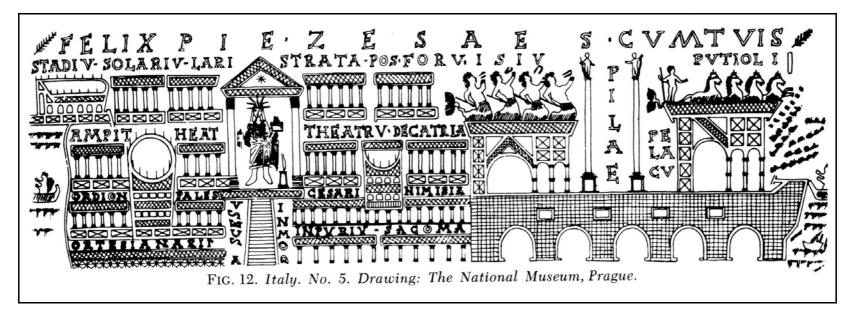


Figure 29: Detail of the Prague flask (after Pianter: 1975)

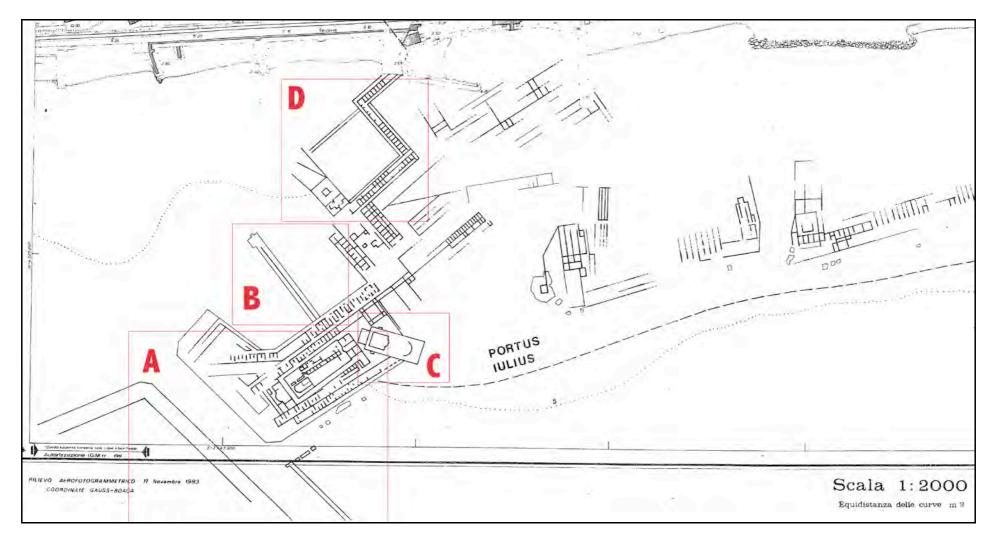


Figure 30: Detail of *Porto Julius* underground remains with highlighted sections used for digitization (SANC)

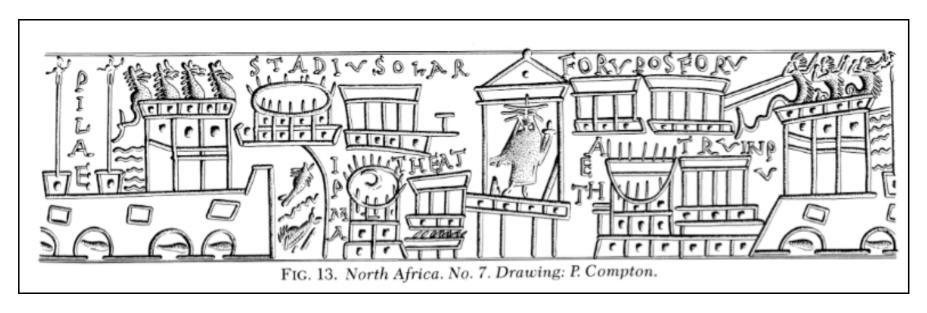


Figure 31: Detail of the Pilkington glass flask (after Painter: 1975)

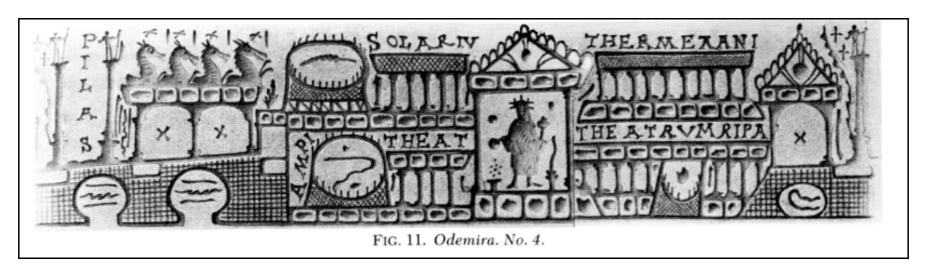


Figure 32: Detail of the Odemira flask (after Painter: 1975)

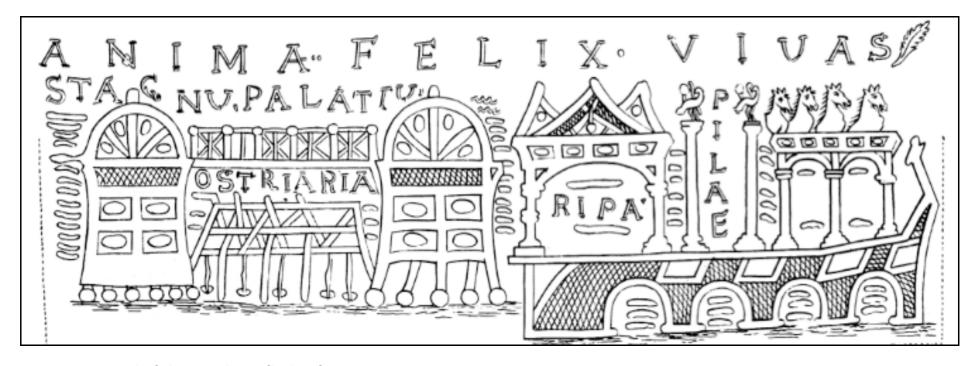


Figure 33: Detail of the Populonia flask (after Painter: 1975)

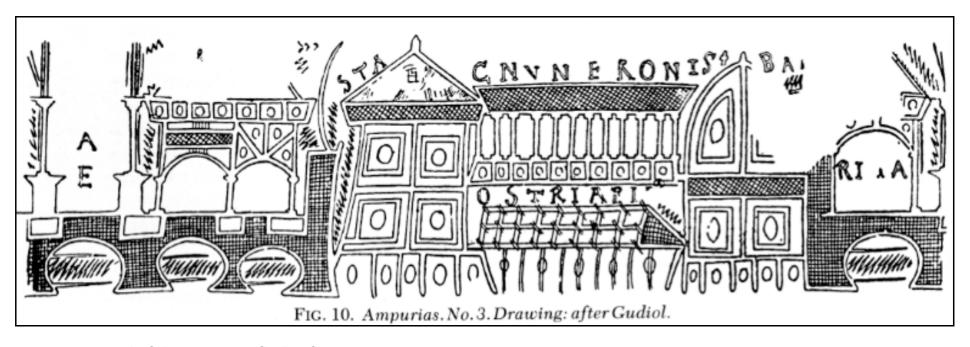


Figure 34: Detail of the Ampurias flask (after Painter: 1975)

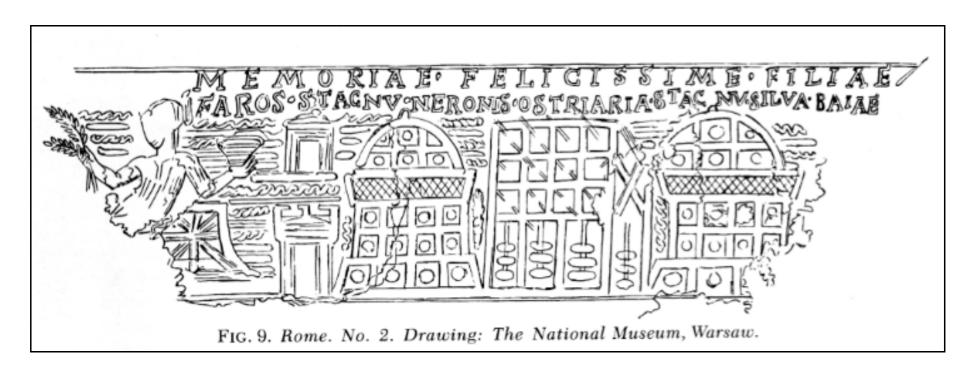


Figure 35: Detail of the Rome flask (after Painter: 1975)

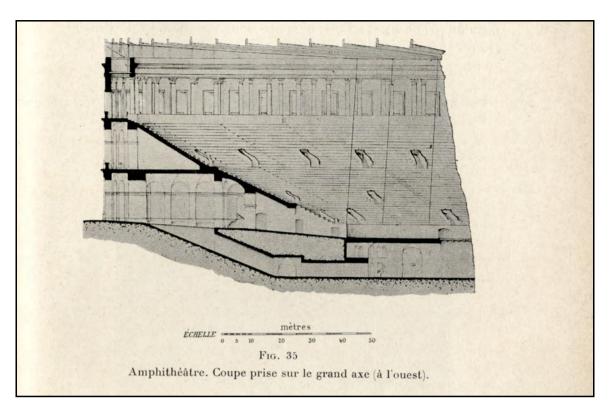


Figure 36: Isometric reconstruction of the *Puteoli* amphitheatre (after Dubois 1907)

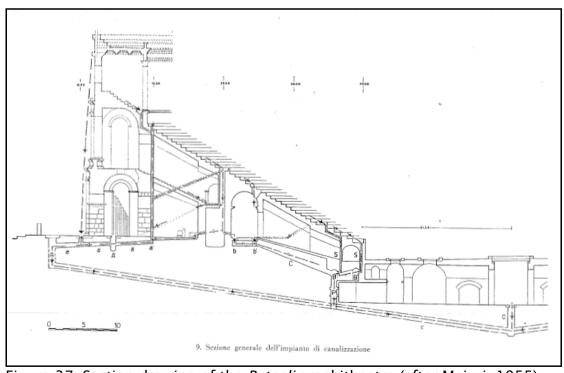


Figure 37: Section drawing of the *Puteoli* amphitheatre (after Maiuri: 1955)

L'ANFITEATRO FLAVIO PUTEOLANO

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PORTICO ESTERNO

Del portico esterno, andato interamente distrutto, i soli elementi superstiti sono le basi di tre pilastri con semi-

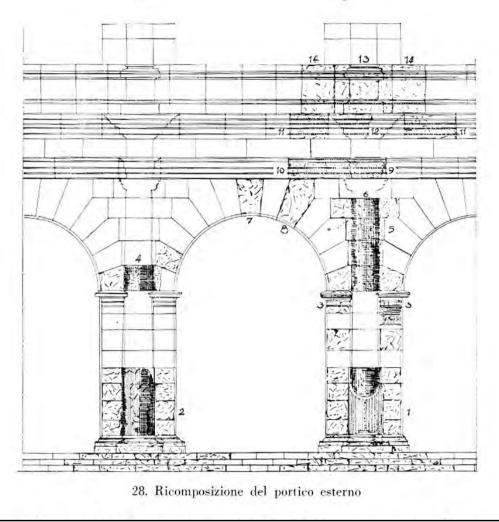


Figure 38: Detail of the exterior portico of the *Puteoli* amphitheatre (after Maiuri: 1955)

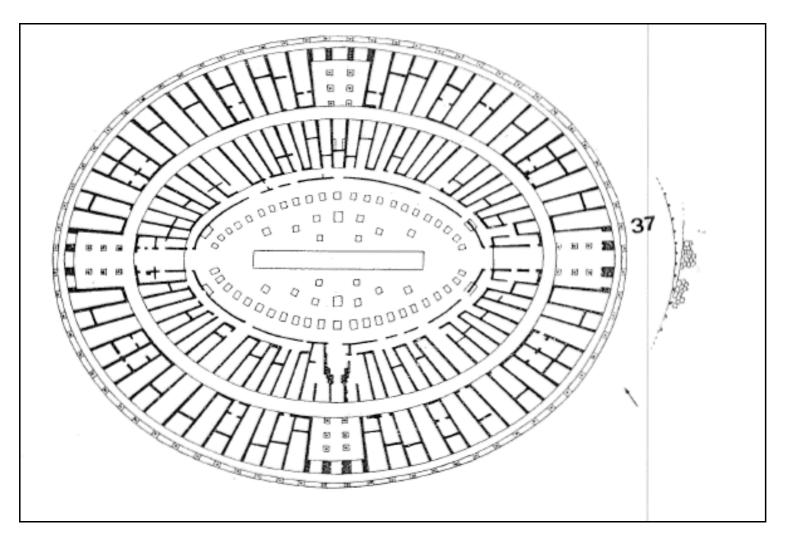


Figure 39: Plan of the *Puteoli* amphitheatre (after Maiuri 1955)

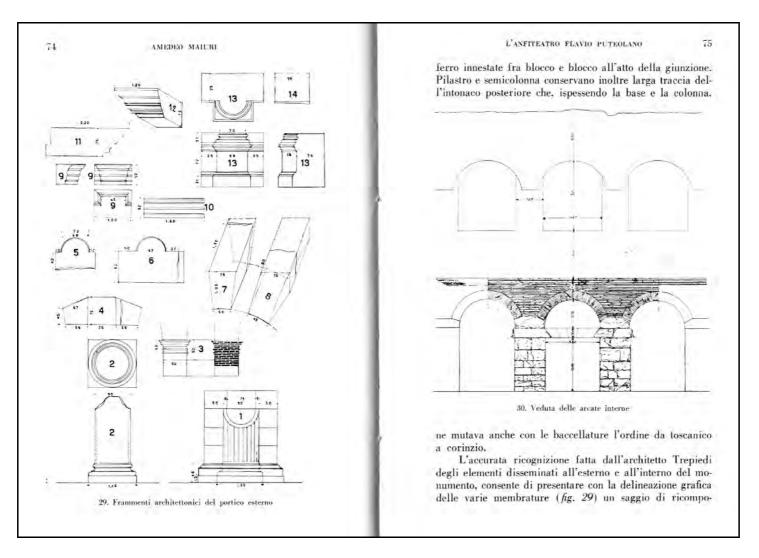


Figure 40: Drawings of architectural details of the *Puteoli* amphitheatre (after Maiuri: 1955)

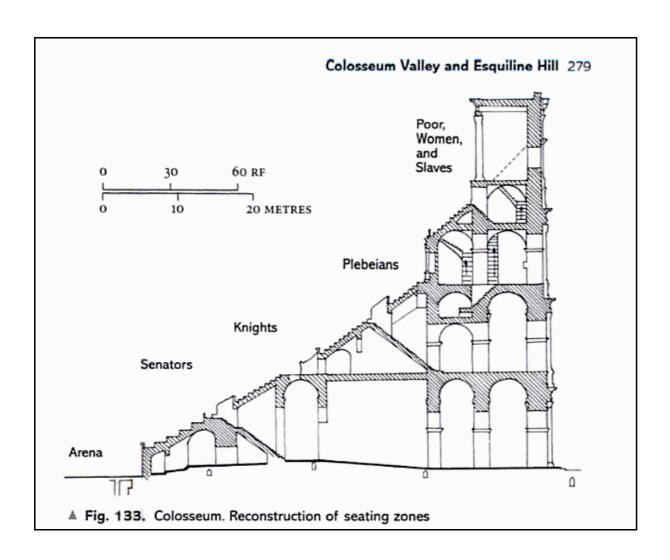
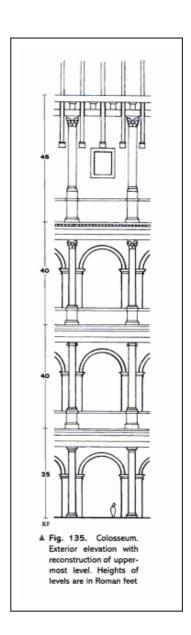


Figure 41: Section and exterior drawings of the Colosseum, Rome (after Claridge: 1998)



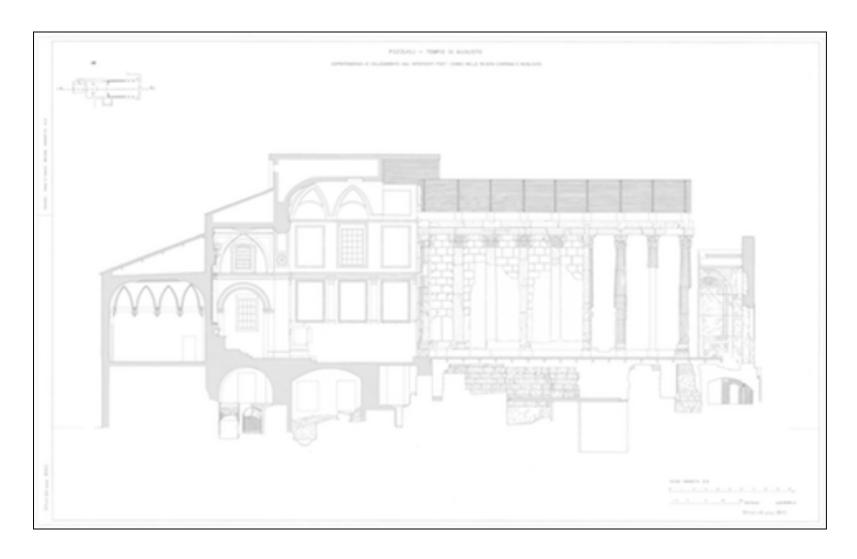


Figure 42: Section drawing of the *Capitolium* (incorporated within the church) (SANC)

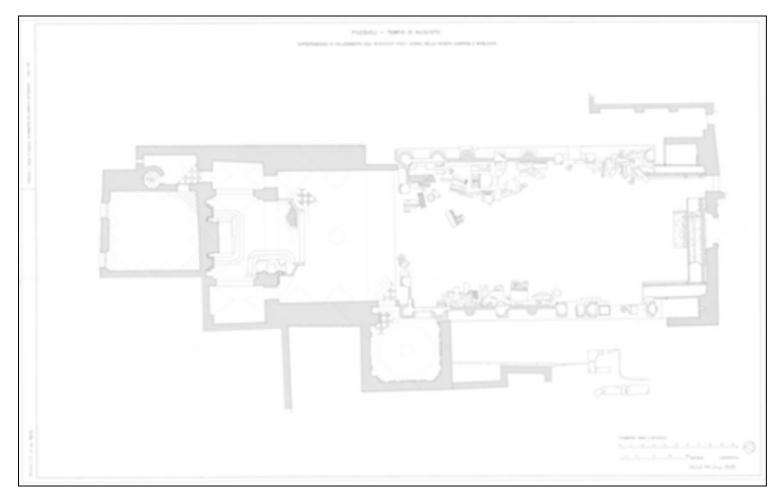


Figure 43: Plan of the *Capitolium* (incorporated within the church) (SANC)

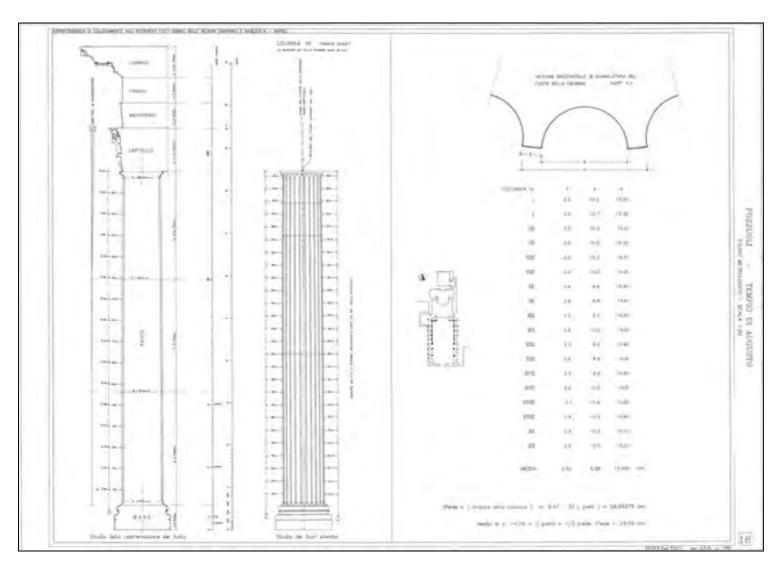


Figure 44: Column details of the Capitolium in Pozzuoli (SANC)

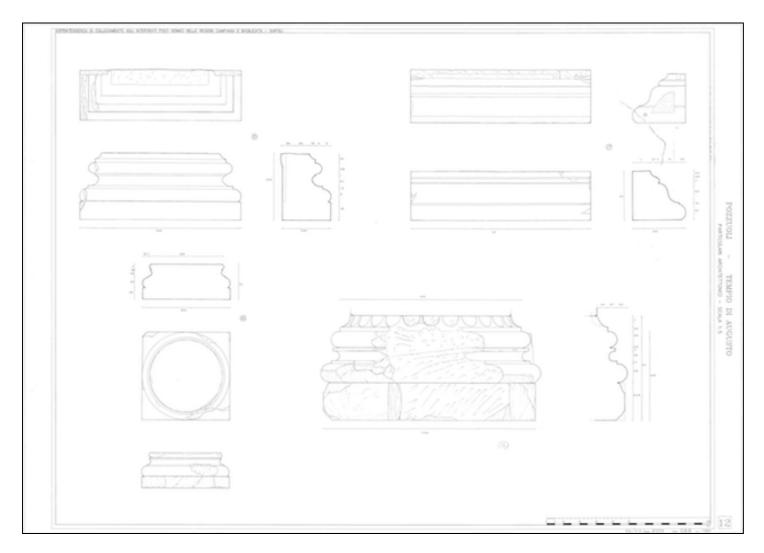


Figure 45: Column base details of the Capitolium in Pozzuoli (SANC)

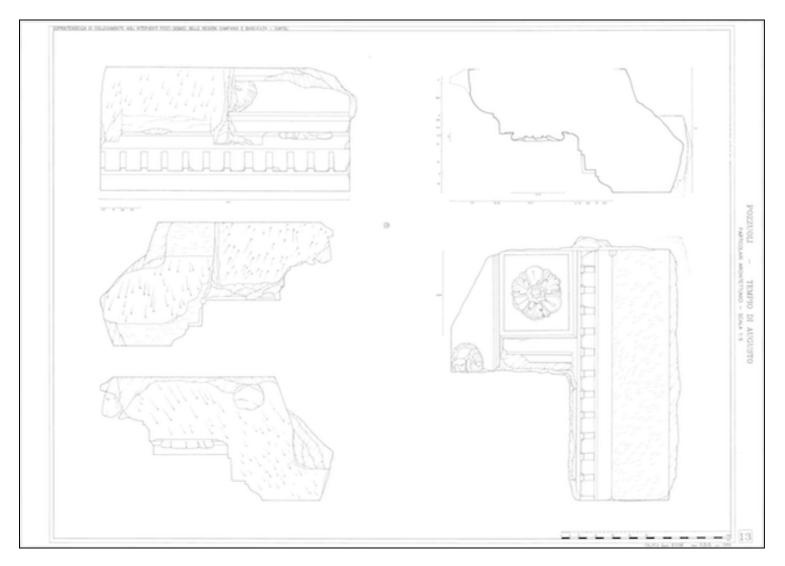


Figure 46: Marble details of the Capitolium in Pozzuoli (SANC)

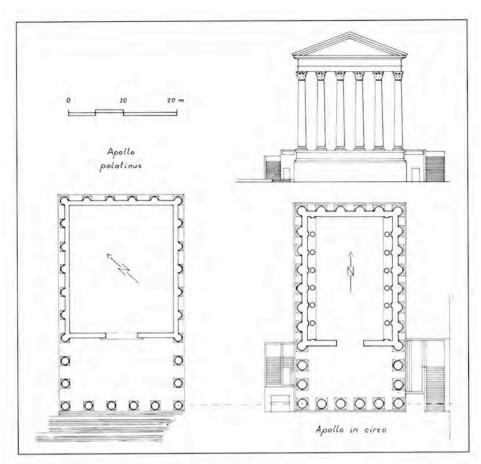


Figure 47: Drawings of the Temple of *Apollo Palatinus* and *Apollo in circo* (after Gros: 1996)

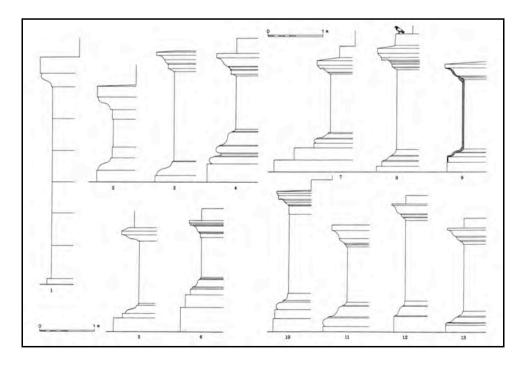


Figure 48: Drawings of types of podium bases (after Gros: 1996)

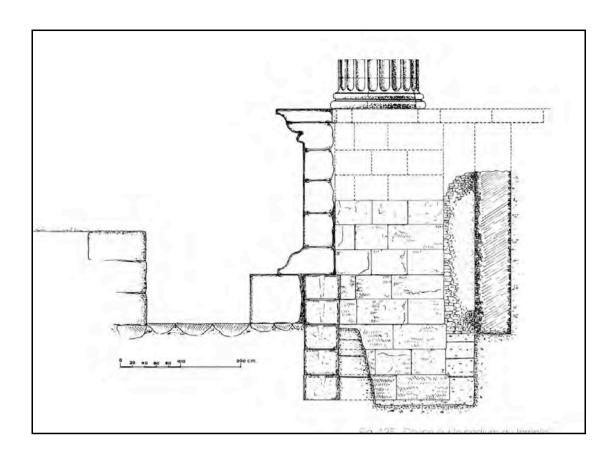


Figure 49: Section drawing of a temple podium construction (after Gros: 1996)

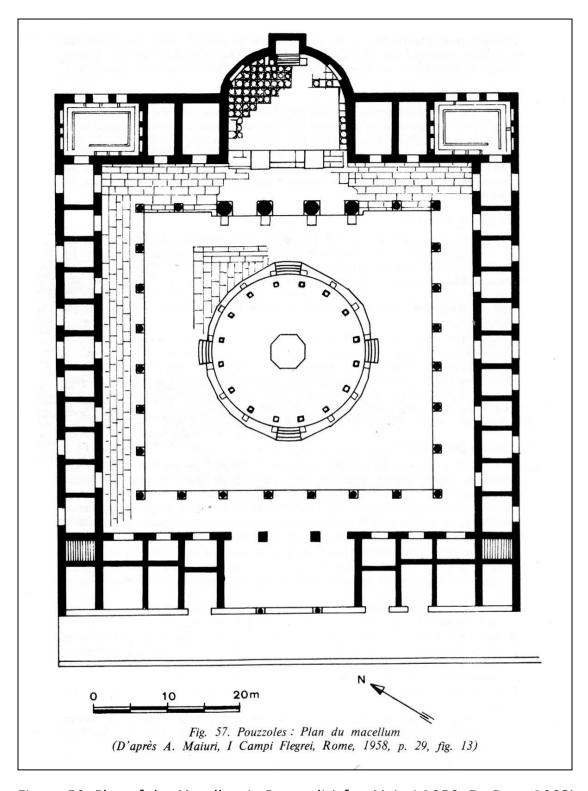


Figure 50: Plan of the *Macellum* in Pozzuoli (after Maiuri 1958, De Ruyt: 1983)

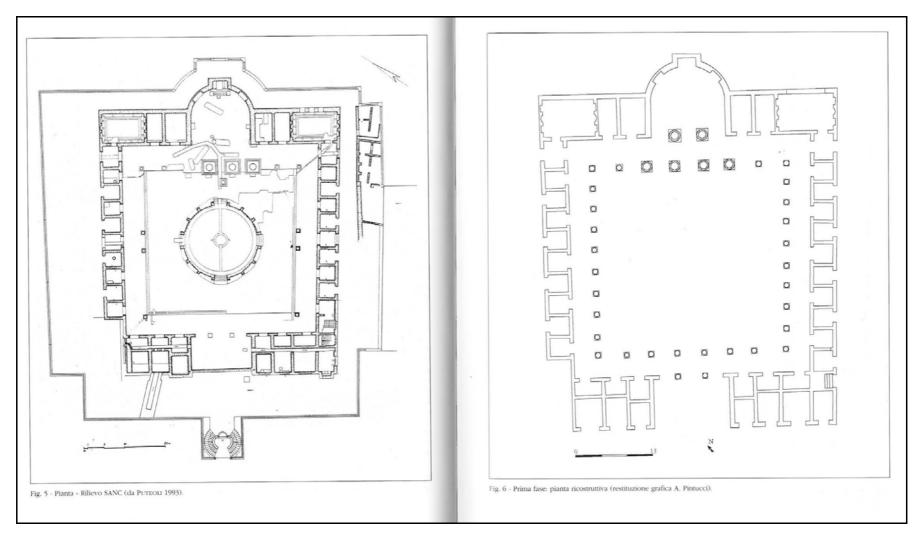


Figure 51: Plans of the Macellum in Pozzuoli (SANC)

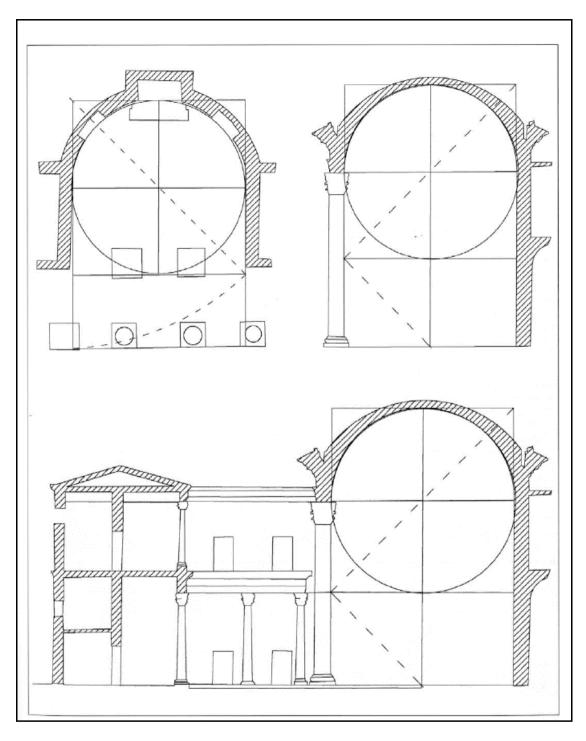


Figure 52: Section drawings of the vestibule in the $\it Macellum$ (after Demma: 2007)

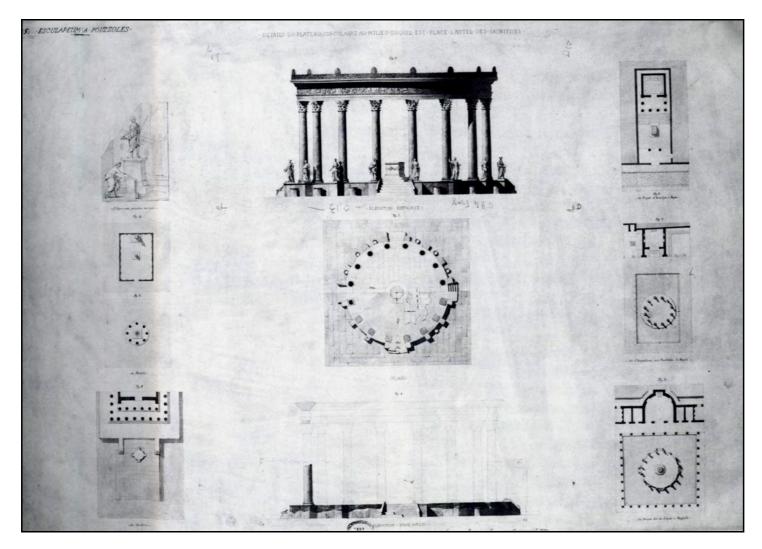


Figure 53: Drawings of the Macellum by Christie (as reproduced in Italia Antiqua: 2002)

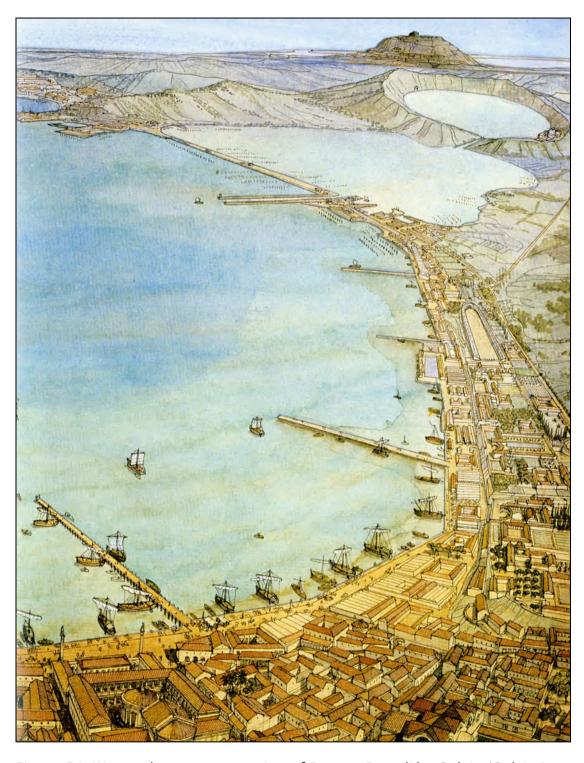


Figure 54: Watercolour reconstruction of Roman *Puteoli* by Golvin (Golvin in Reddé: 2008)

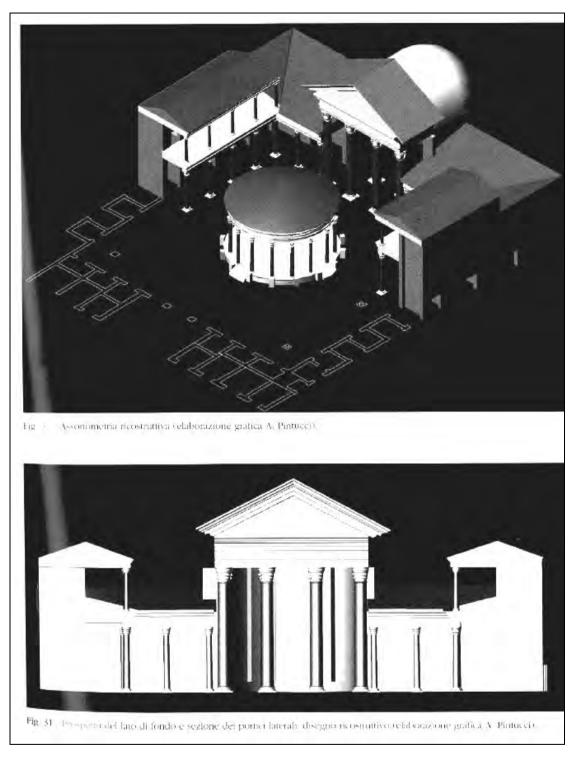


Figure 55: Volumetric reconstructions of the *Macellum* by Demma (after Demma: 2007)

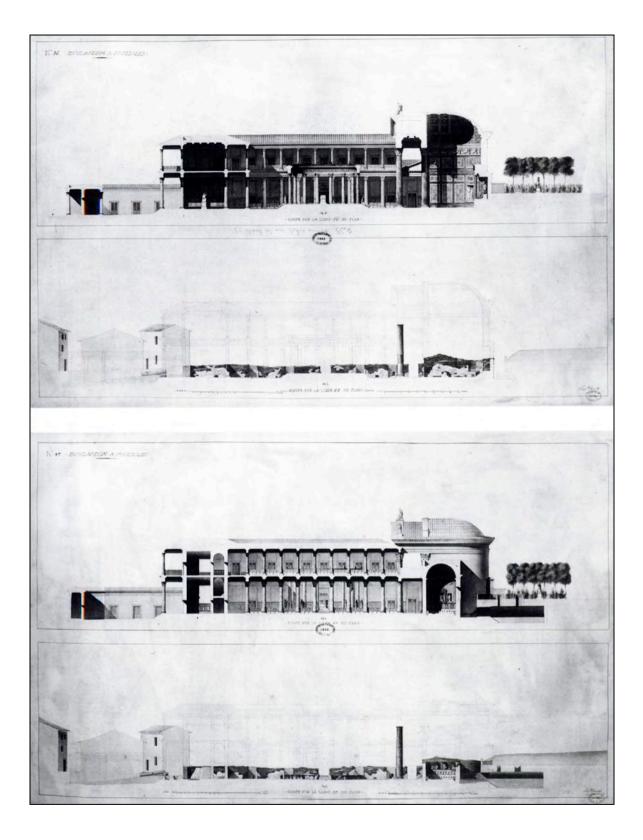


Figure 56: Watercolour reconstructions of the *Macellum* by Christie (as reproduced in *Italia Antiqua*: 2002)

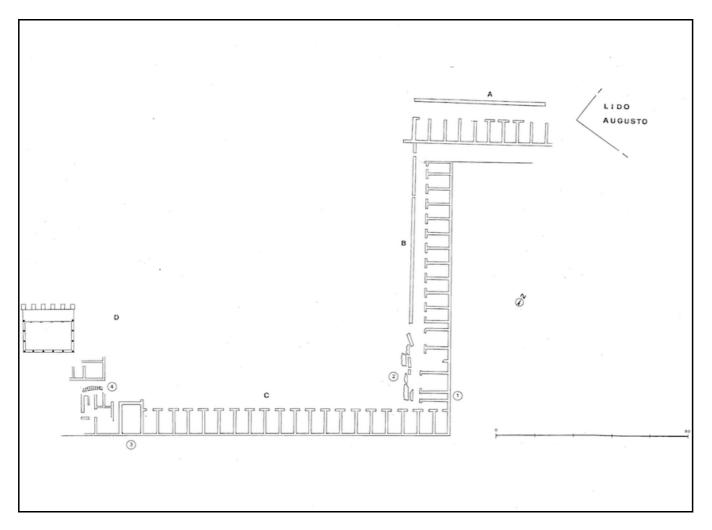


Figure 57: Plan of some of the warehouses in the area of *Porto Julio* (SANC)

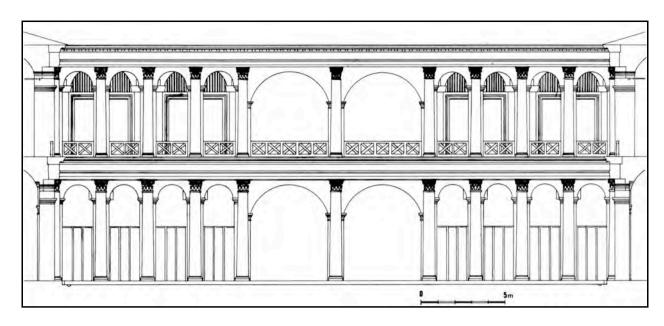


Figure 58: Section drawing of the Horea Aggrippianal (after Gros: 1996)

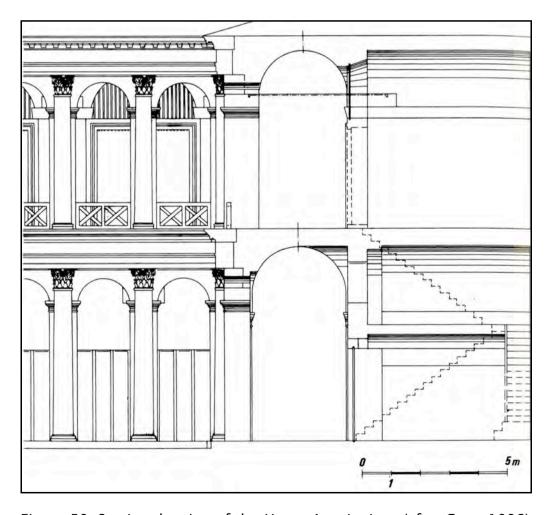


Figure 59: Section drawing of the Horea Aggrippiana (after Gros: 1996)

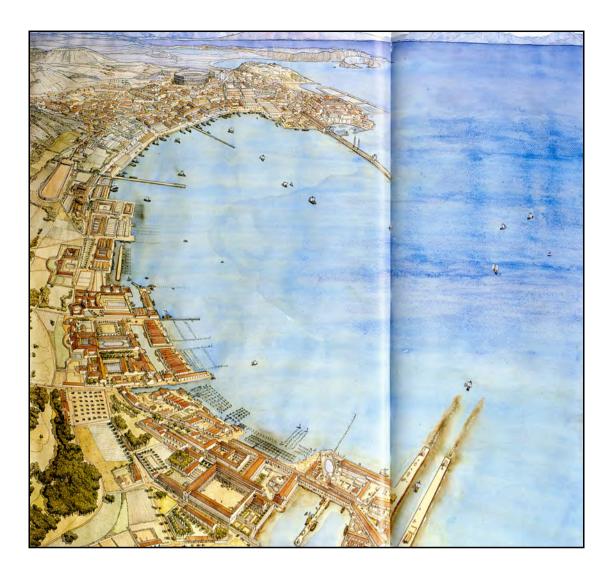


Figure 60: Watercolour reconstruction of Roman Puteoli by Golvin (Golvin in Reddé: 2008)

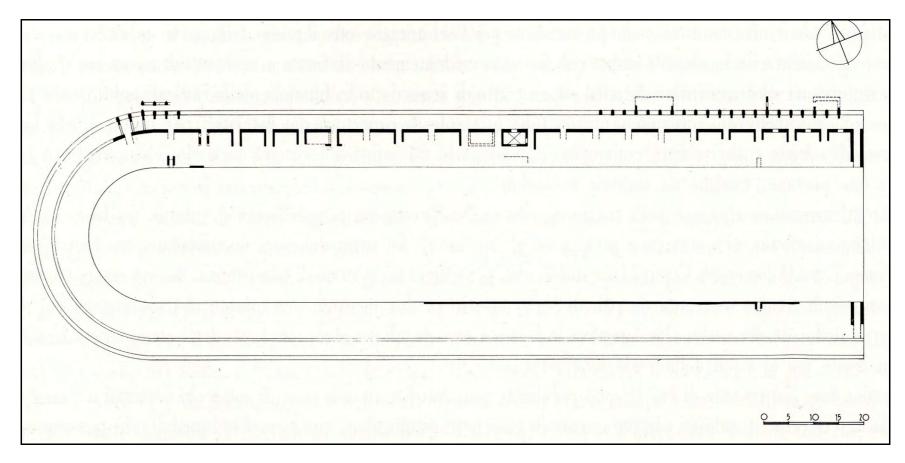


Figure 61: Plan of the stadium in Pozzuoli (SANC reproduced in Zevi: 1993)

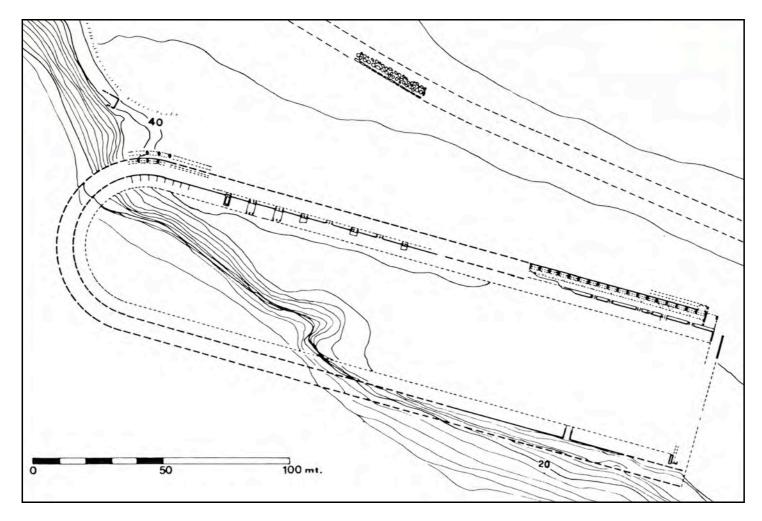


Figure 62: Plan of the stadium in Pozzuoli (SANC reproduced in Gialanella: 2009)

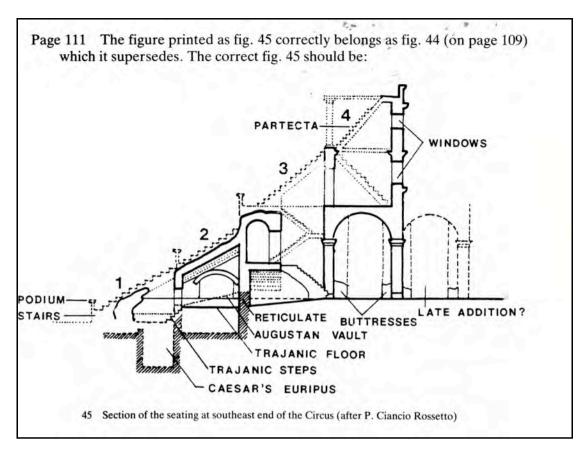


Figure 63: Section of the *Circus Maximus* in Rome (reproduced in Humphrey: 1986)

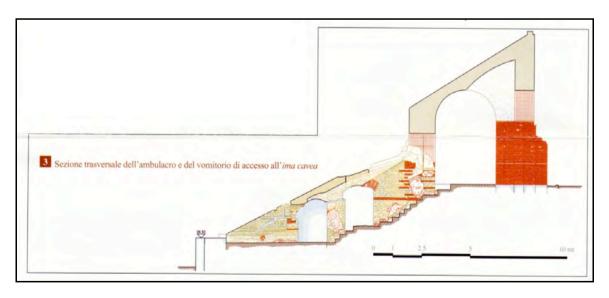


Figure 64: Section drawing of the *ambulacro* and the *vomitaria* of the Stadium in Pozzuoli (SANC)

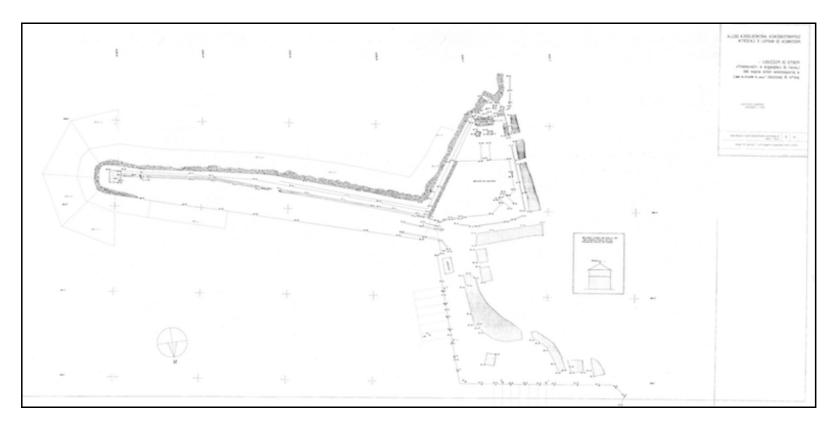


Figure 65: Plan of the modern mole of Pozzuoli (SANC)

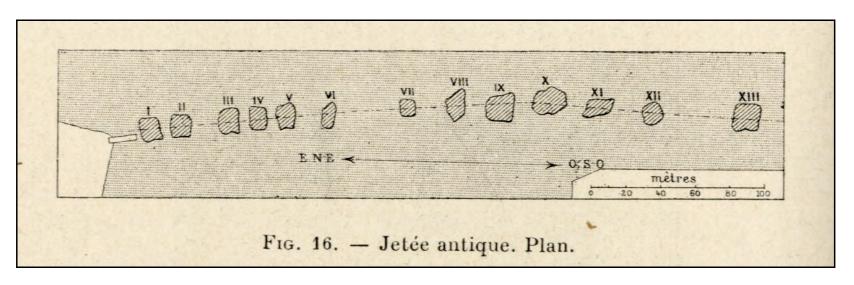


Figure 66: Plan of the roman remains of the Pozzuoli mole as recorded by Dubois (1907)

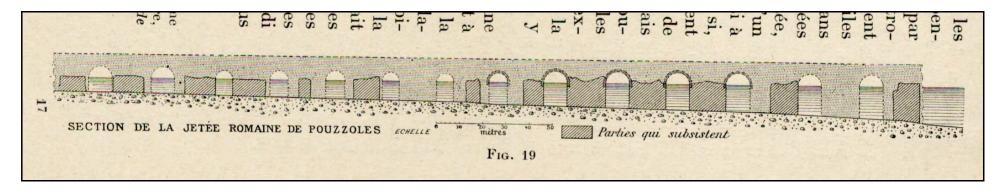


Figure 67: Section of the roman remains of the Pozzuoli mole as recorded by Dubois (1907)

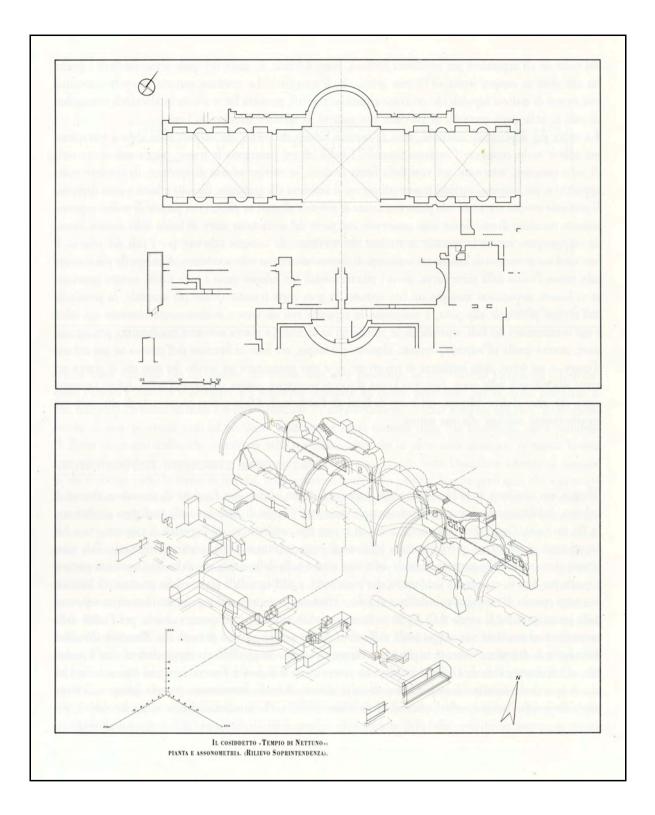


Figure 68: Plan and isometric drawings of the visible remains of the Roman baths in Pozzuoli (SANC)

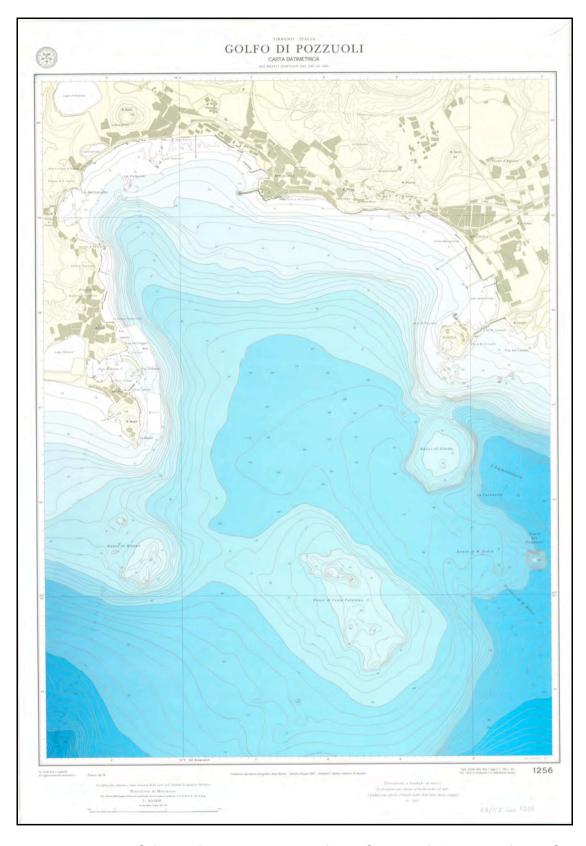


Figure 69: Map of the underwater contour data of Pozzuoli (Istituto Idrografico della Marina, Italy: 1987)



Figure 70: Map of the underwater contours of Pozzuoli including the underwater remains of the *Portus Julius* (SANC)

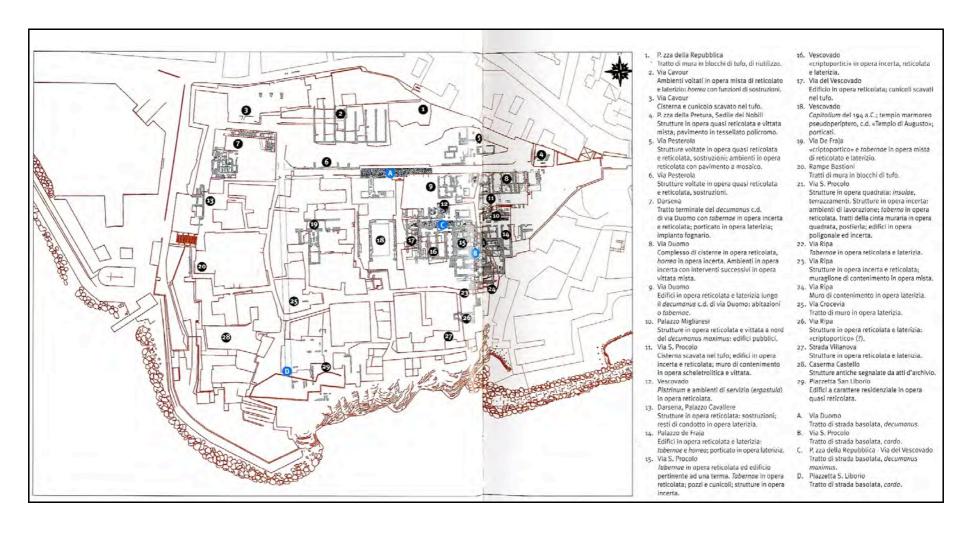


Figure 71: Plan of the Rione Terra promontory in Pozzuoli with the annotated archaeological remains (after De Caro: 2002)



Figure 72: Plan of the Rione Terra promontory in Pozzuoli with the annotated archaeological remains (after Valeri: 2005)

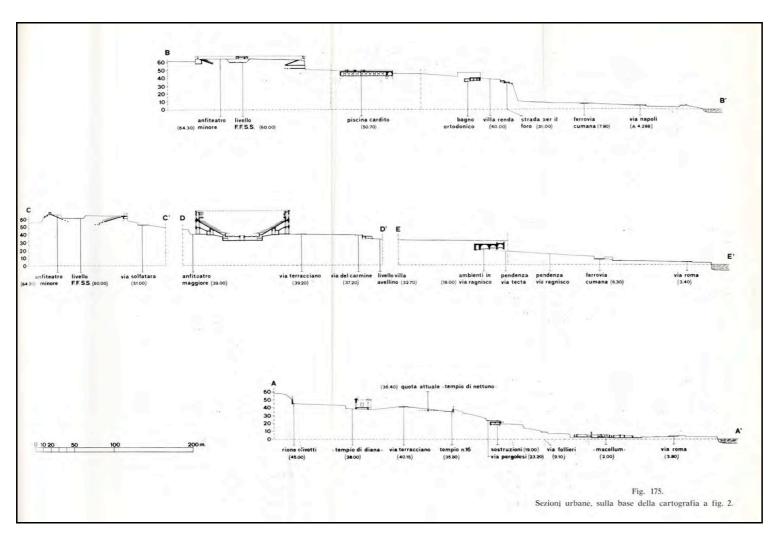


Figure 73: Cross-section drawings with the positions of the major archaeological remains of Rione Terra (after Sommella 1978)

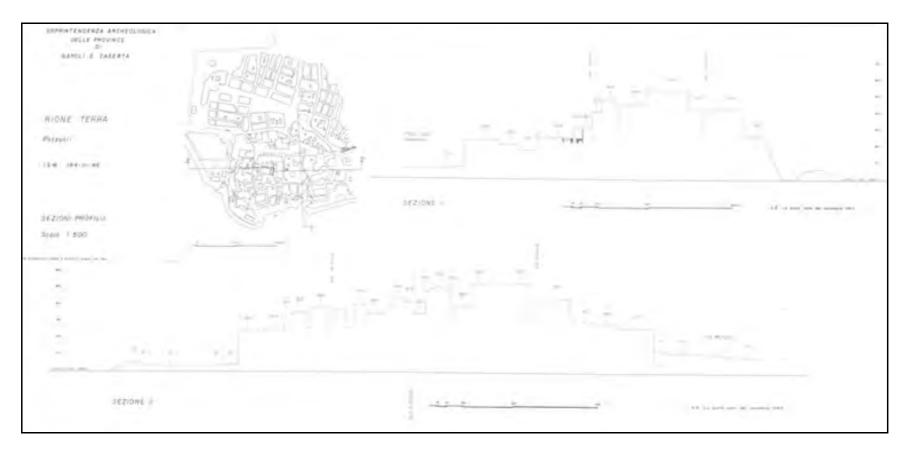


Figure 74: Plan and sections of the Rione Terra promontory with annotated spot heights above sea-level (SANC)

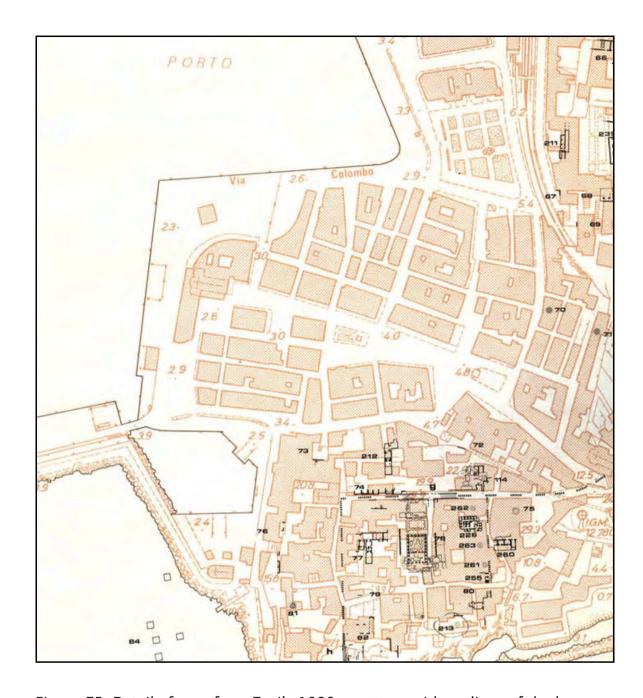


Figure 75: Detail of map from Zevi's 1999 gazetteer with outlines of the larger archaeological remains and stars used for the less recognisable remains (SANC as reproduced in Zevi 1999)

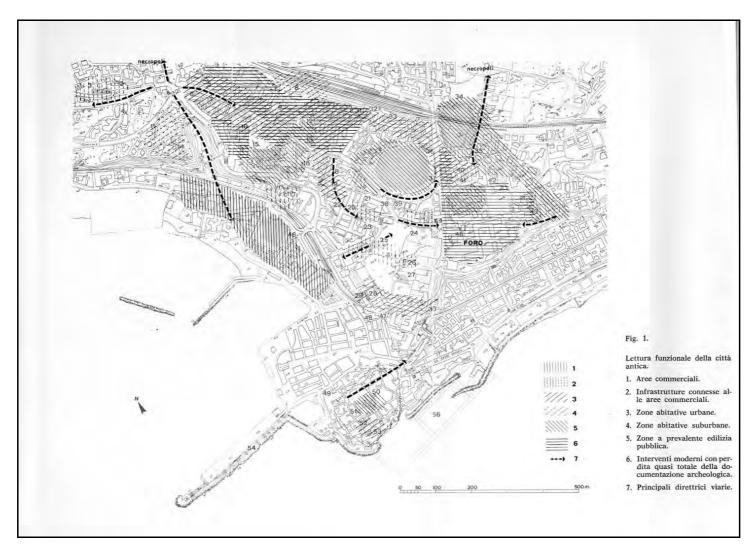


Figure 76: Plan of Pozzuoli highlighting the various areas as interpreted by Paolo Sommella (1978)

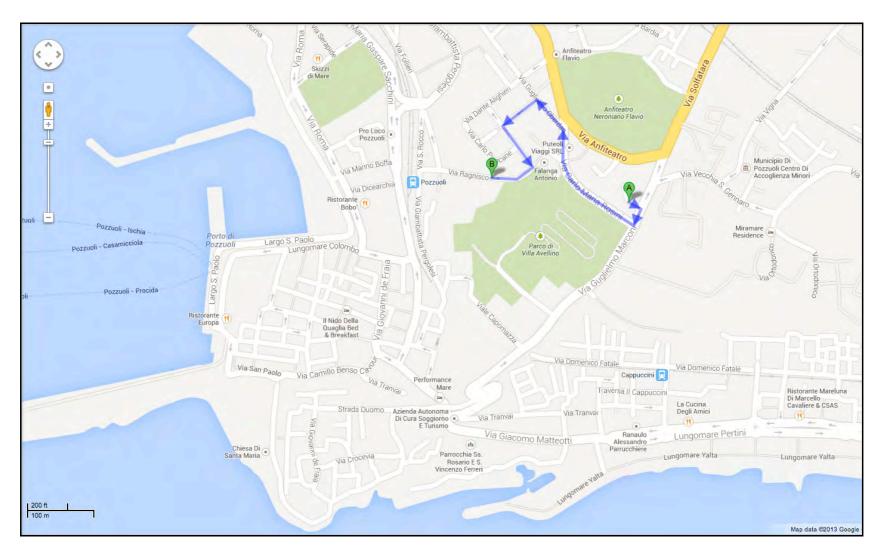


Figure 77: Modern plan of Pozzuoli showing the areas of Via Carlo Maria Rosini (A) and Via Ragnisco (B) (Google Maps)

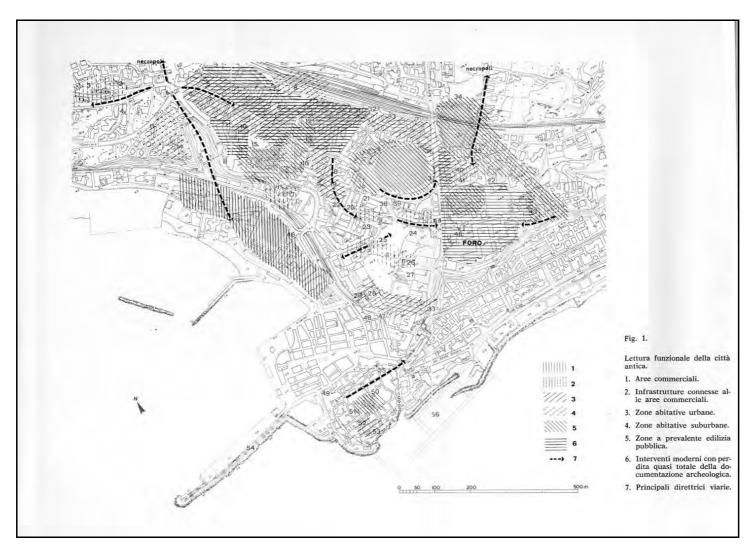


Figure 78: Plan of Pozzuoli highlighting the various areas as interpreted by Paolo Sommella (1978)

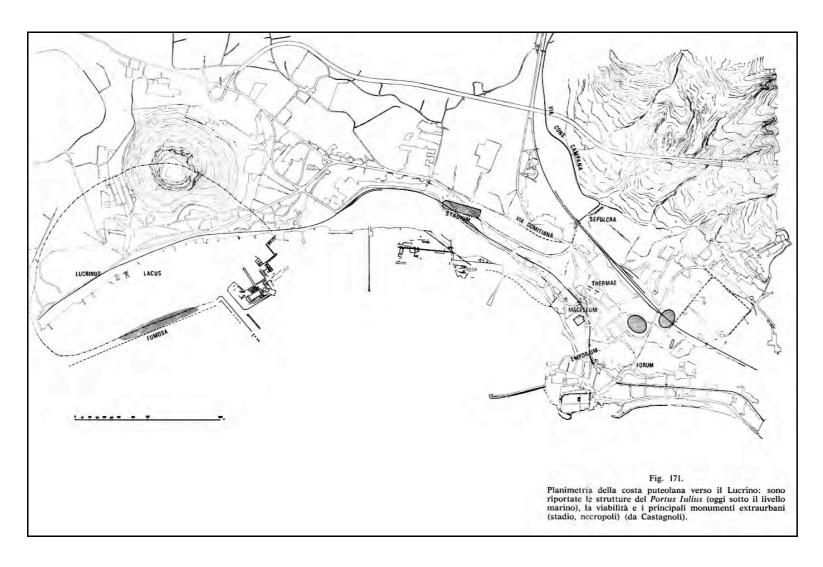


Figure 79: Plan of Pozzuoli showing the hypothesised location of the town's *Forum* (after Camodeca 1977)

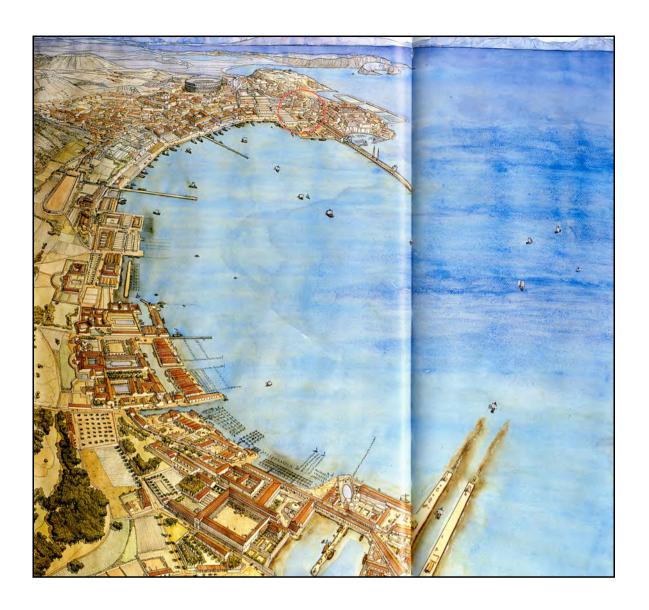


Figure 80: Golvin's watercolour reconstruction placing the forum of Pozzuoli as suggested by Camodeca, circled in red (Golvin in Reddè: 2008)

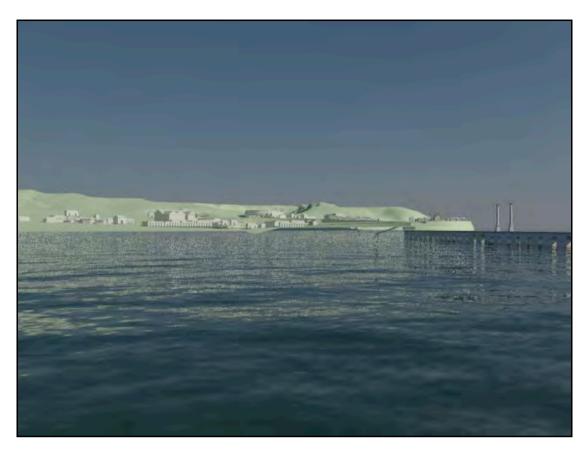


Figure 81: Rendereded image of the camera labelled Ostrow_1 (EDG)



Figure 82: Rendered image of the camera labelled Ostrow_2 (EDG)



Figure 83: Rendered image of the camera labelled Ostrow_3 (EDG)

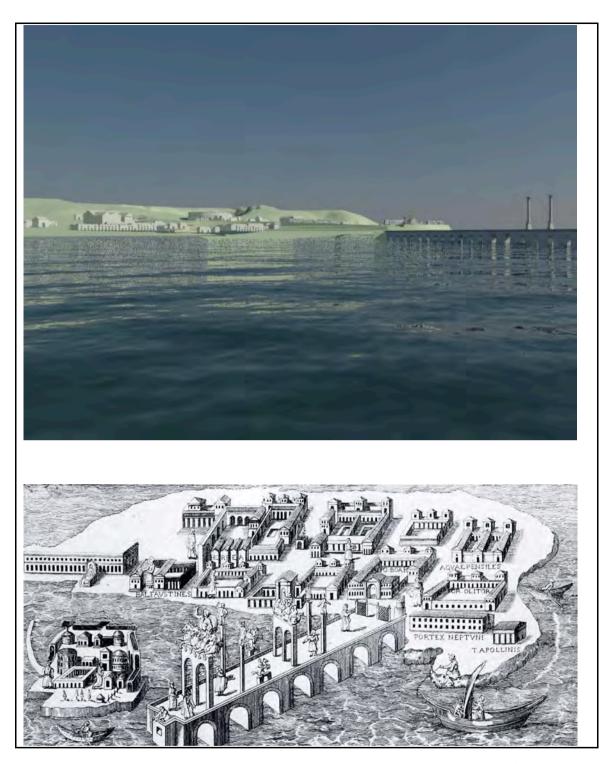


Figure 84: Buildings represented in the Bellori drawing compared with the conceptual buildings reconstructed digitally (EDG)

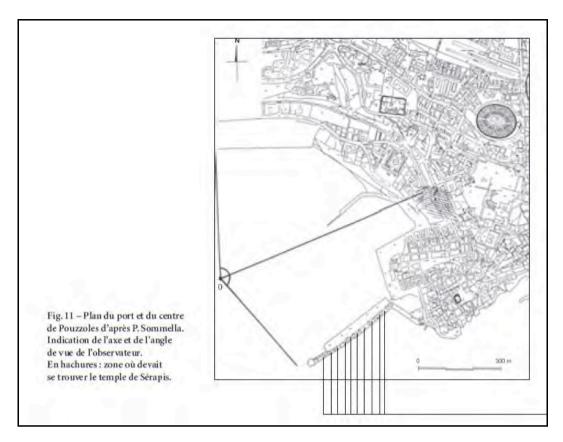


Figure 85: Suggested viewer by Golvin (2008)



Figure 86: Rendered image of the camera labelled Golvin_1 (EDG)



Figure 87: Rendered image of the camera labelled Golvin_2 (EDG)



Figure 88: Rendered image of the camera labelled Golvin_3 (EDG)



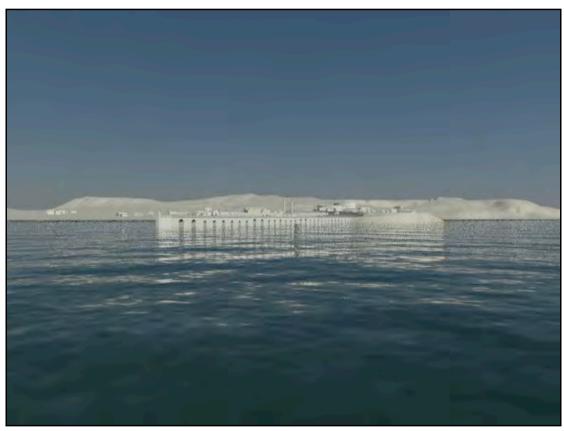


Figure 89: Comparison of reconstructed image (EDG)





Figure 90: Comparison of reconstructed image highlighting Rione Terra (EDG)





Figure 91: Comparison of reconstructed image of the central area of the port (EDG)





Figure 92: Comparison of reconstructed image of Rione Terra (EDG)





Figure 93: Comparison of reconstructed image with camera facing the mole (EDG) $\,$



Figure 94: Digital image with camera lens at 20mm (EDG)



Figure 95: Digital image with camera lens at 35mm (EDG)



Figure 96: Digital image with camera lens at 135mm (EDG)



Figure 97: Digital image with lighting set to 07.00h (EDG)



Figure 98: Digital image with lighting set to 08.00h (EDG)



Figure 99: Digital image with lighting set to 14.00h (EDG)



Figure 100: Digital image with lighting set to 19.00h (EDG)



Figure 101: Digital image with lighting set to 20.00h (EDG)



Figure 102: Hypothetical view of camera looking out towards the sea from the columns of the *Capitolium* (EDG)



Plate 1: Photograph of the promontory of Rione Terra at dusk (Photographgrapher looking north) (copyright Panoramio)



Plate 2: Photograph of the promontory of Rione Terra during the day (Photographgrapher looking north) (copyright Panoramio)



Plate 3: Photograph of the promontory of Rione Terra at dusk (Photographgrapher looking north east) (copyright Panoramio)



Plate 4: Photograph of the promontory of Rione Terra at dusk (Photographgrapher looking north east) (copyright Panoramio)



Plate 5: Photograph of the promontory of Rione Terra (Photographgrapher looking north east but from further afield) (Copyright Panoramio)



Plate 6: Photograph taken directly in front of the seaward tip of the harbour mole (Copyright Panoramio)



Plate 7: Photograph taken from the right-hand side again at the extremity of the modern mole (Copyright Panoramio)



Plate 8: Close up Photograph of the Rione Terra taken southwest (left of) the harbour mole (Copyright Panoramio)



Plate 9: Photograph taken just in front of the bay of Pozzuoli (Copyright Panoramio)



Plate 10: Photograph taken from the sea showing a considerable portion (but not all) of the town and gulf of Pozzuoli (Copyright Panoramio)



Plate 11: Photograph taken from the SE (Photographgrapher looking NW) of Rione Terra (Copyright Panoramio)



Plate 12: Photograph taken from more or less the same distance (if perhaps a little further away) but SW of Rione Terra (Photographgrapher looking NE) (Copyright Panoramio)



Plate 13a: Possibly a Photograph of Monte Nuovo which dominates the coastline from this viewpoint as is evidenced by how dwarfed the buildings below it are (Copyright Panoramio)



Plate 13b: image taken from a SW (Photographgrapher looking NE) direction left of the harbour mole with contrast digitally enhanced (Copyright Panoramio)

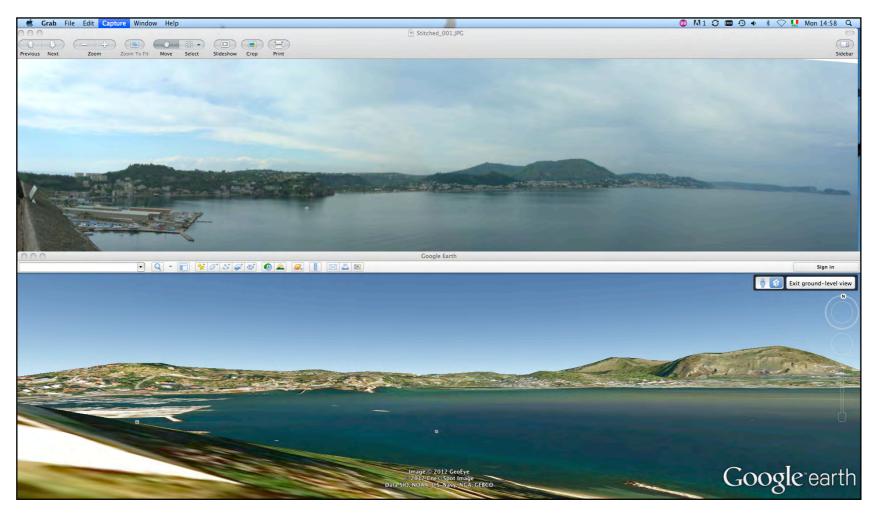


Plate 14: Comparison of Google Earth (copyright Google Earth) image compared with Photograph taken from Castello di Baia (EDG)

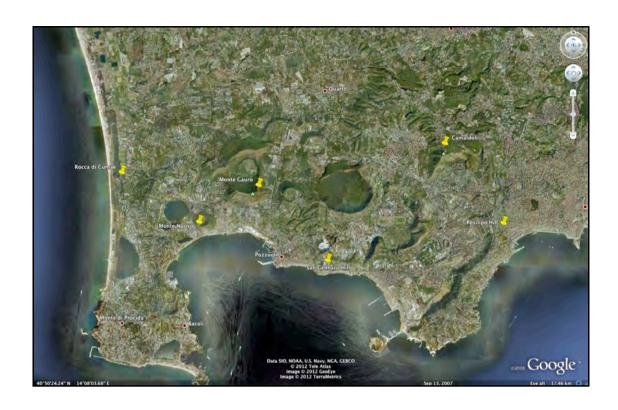


Plate 15: Google image with the viewing locations as mentioned by Miniero

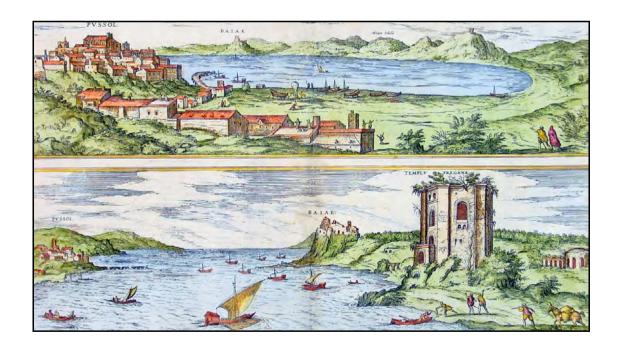


Plate 16: G Hoefnagel (Cologne 1572-1598) for the *Civitates Orbis Terrarum* by G. Braun

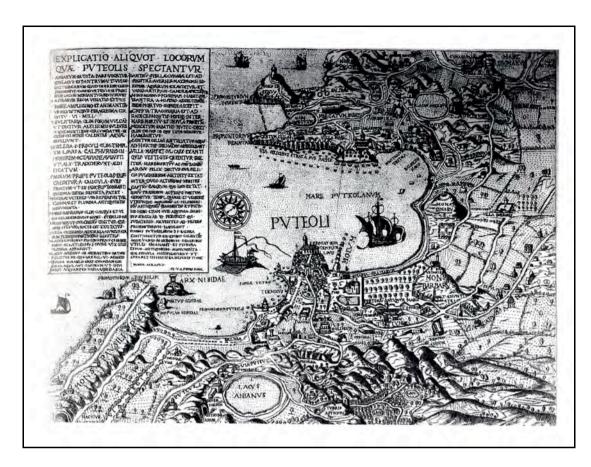


Plate 17: Topographic map by N. Van Aelst (1527-1612)

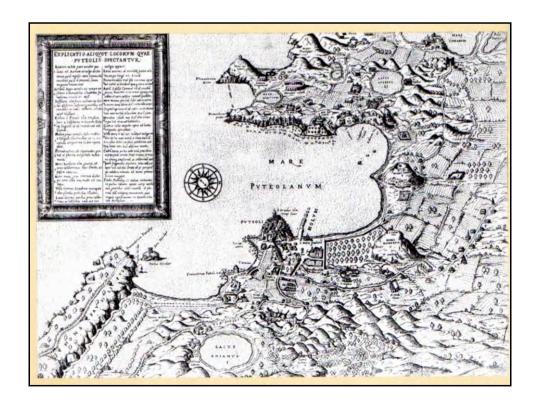


Plate 18: Mario Cartaro Ager Puteolanus (Rome 1584)



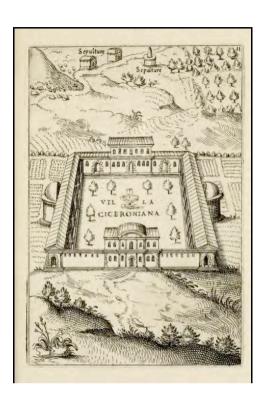


Plate 19: Francesco Villamena's Ager Puteolanus (1584)

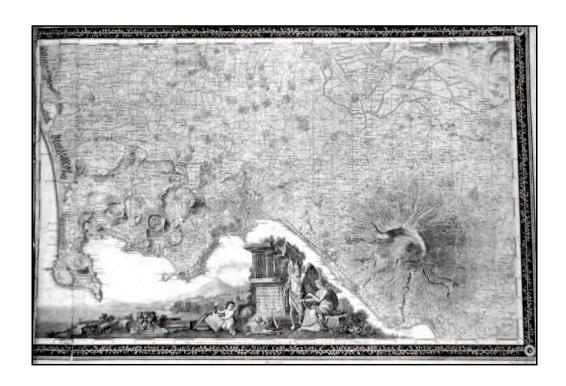


Plate 20: Agro Neapoletano published in 1793

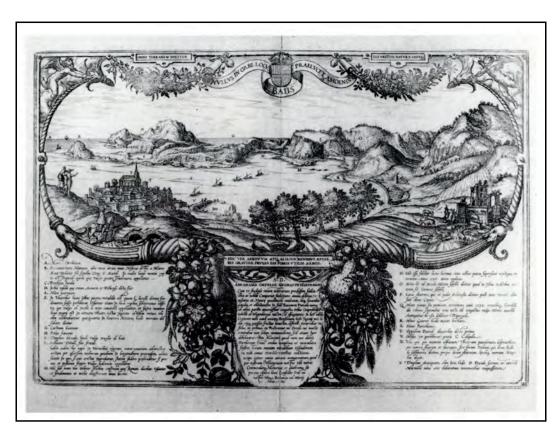


Plate 21: Nullus in orbe locus praelucet amoenis Baiis - G. Hoefnagel (engraving) (1580)

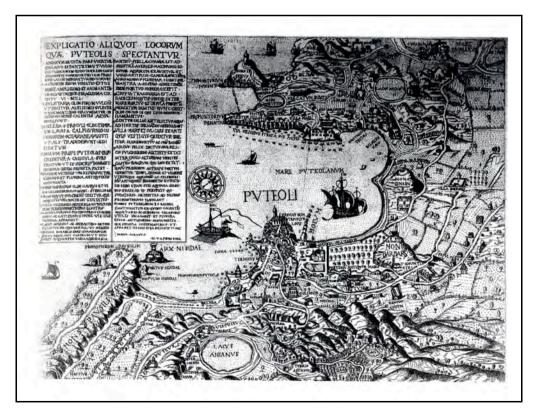


Plate 22: Explicatio aliquot locorum quae Puteolis spectantur - N. Van Aelst (1580)

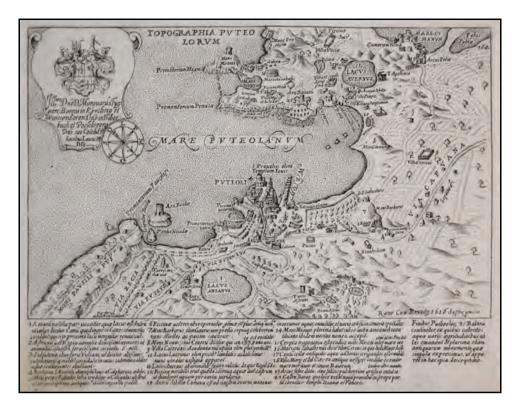


Plate 23: Jacobo Lauro Topographia Puteolorum (1626)

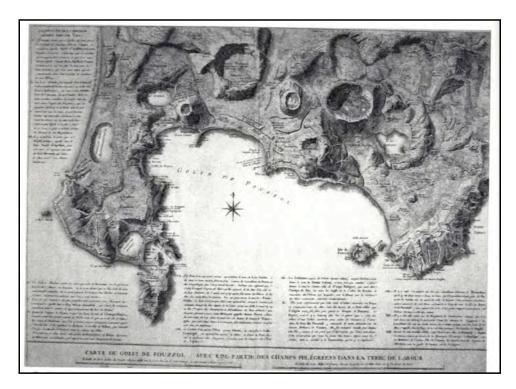


Plate 24: Carte du Golf de Pouzzoles avec une partie des Champs Plégréens dans la Terre de Labour, F.e Pietro de la Vega (drawing) Perrier e Drouet (engraving) (1782)



Plate 25 : $Amphith\`eatre~de~Pozzuol$, Des Moulin (engraving), Varin (drawing) (etching) (1782)

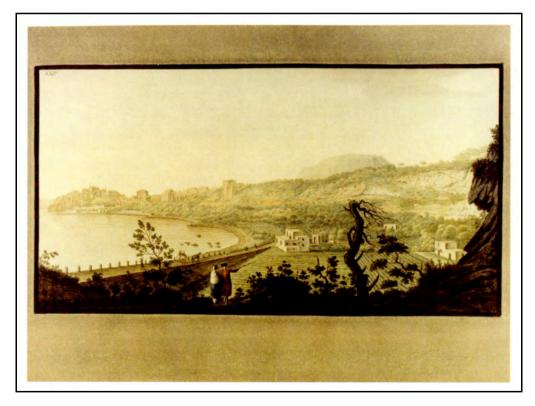


Plate 26: *Veduta di Pozzuoli da oriente,* P. Fabris (copper outline and watercolour) (1776)

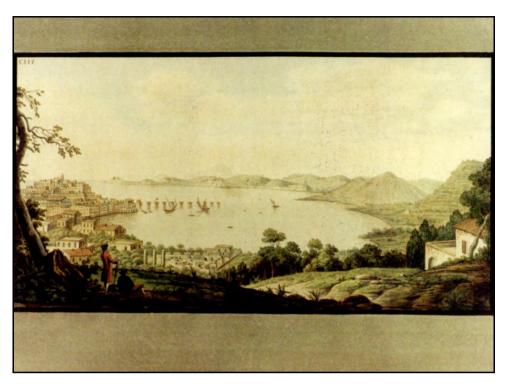


Plate 27: *Veduta presa da sopra Pozzuoli*, P. Fabris (copper outline and watercolour)



Plate 28: *Veduta degli avanzi di tredici pile dell'antico porto di Pozzuoli* - Ph. Morghen (engraving)

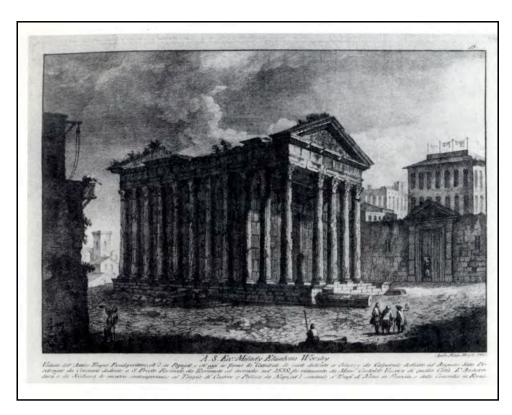


Plate 29: *Veduta dell' Antico Tempio Pseudoperittero che è in Pozzuoli -* Ph. Morghen (engraving)

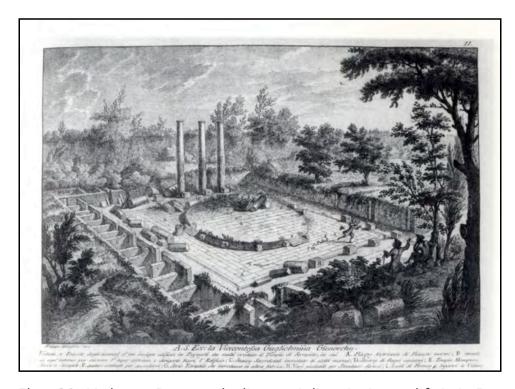


Plate 30: Veduta a Ponente degli avanzi di un insigne edificio in Pozzuoli da molti creduto il Tempio di Serapide... F. Morghen (engraving) (1797)

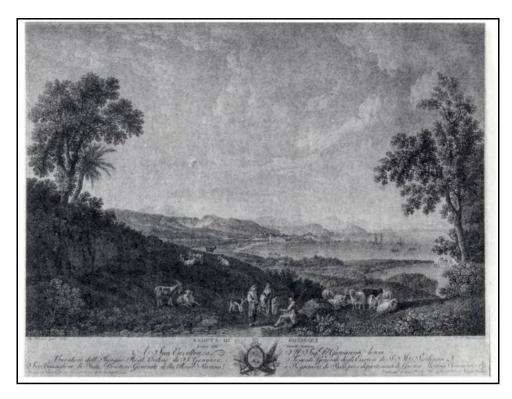


Plate 31: *Veduta di Pozzuoli presa dal monte nuovo* - Ph. Hackert, W.F. Gmelin (engraving) 1787



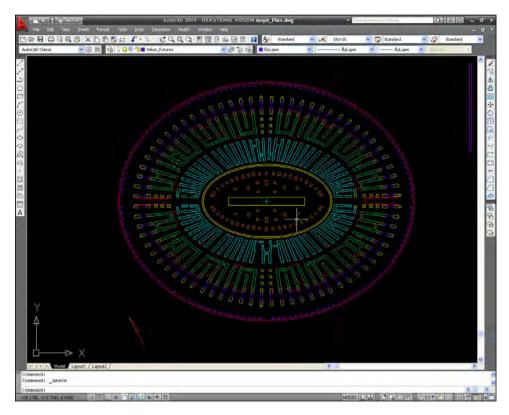
Plate 32: Cross-section of the *Plastico* model reconstruction of the *Macellum* housed in the Castello di Baia Museum (Based on Christie's watercolour) (EDG)



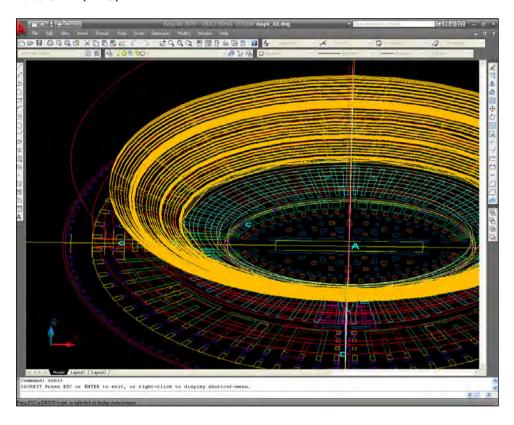
Plate 33: Photo of the rooftop details of the *Plastico* model reconstruction of the *Macellum* housed in the Castello di Baia Museum (Based on Christie's watercolour) (EDG)



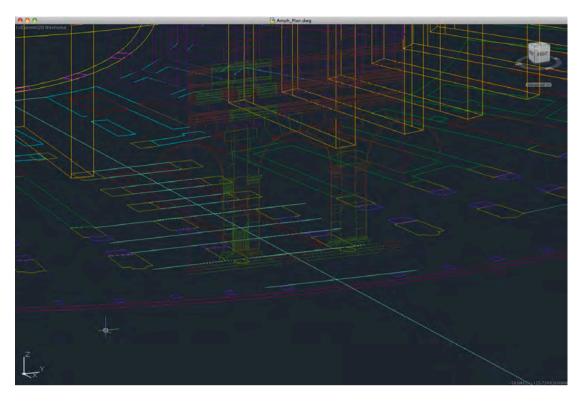
Plate 34: Cross-section of the *Plastico* model reconstruction of the *Macellum* housed in the Castello di Baia Museum (Based on Christie's watercolour) (EDG)



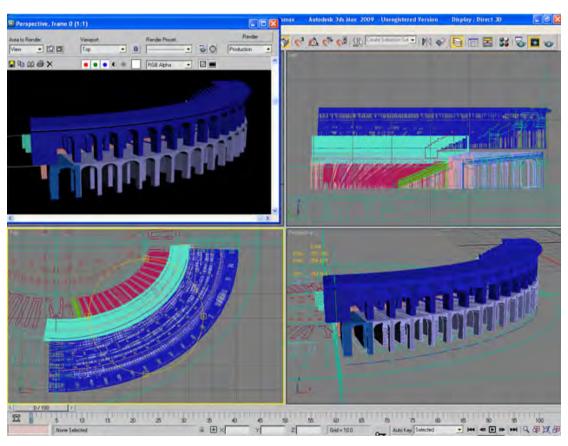
Amphitheatre screenshot 1: Plan of the amphitheatre in Pozzuoli digitised in AutoCAD (EDG)



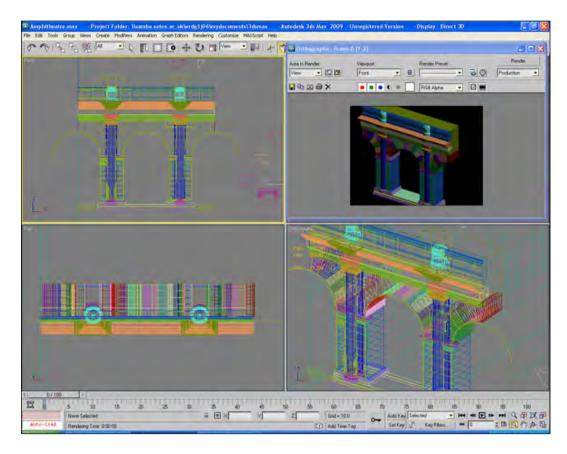
Amphitheatre screenshot 2: Plan of the amphitheatre in Pozzuoli with addition of seating in AutoCAD (EDG) $\,$



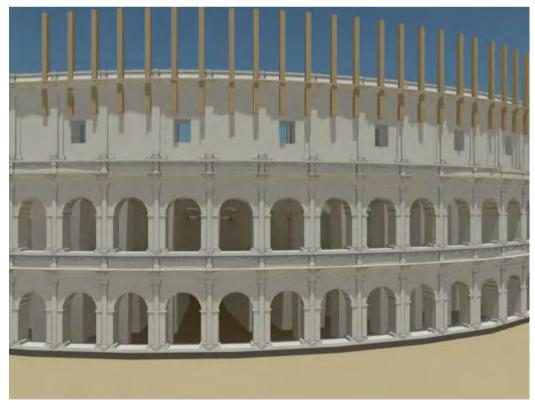
Amphitheatre screenshot 3: Addition of portico elevation drawing in AutoCAD (EDG)



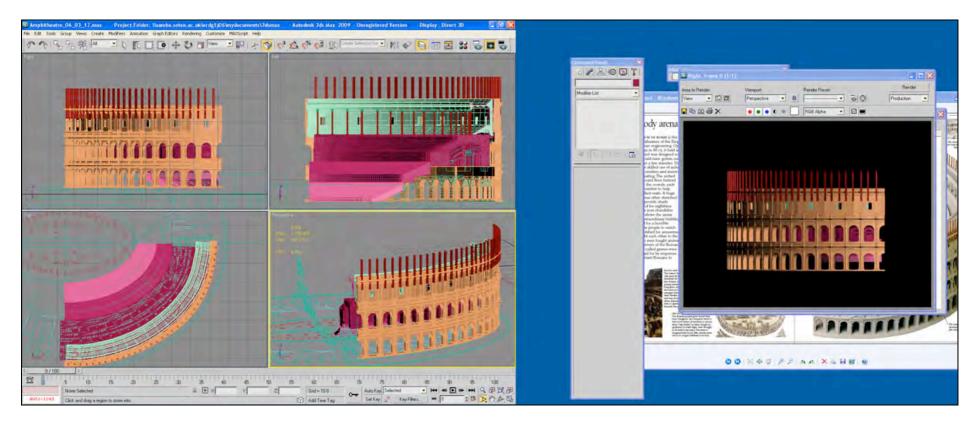
Amphitheatre screenshot 4: Creation of underground vaults in 3ds Max (EDG)



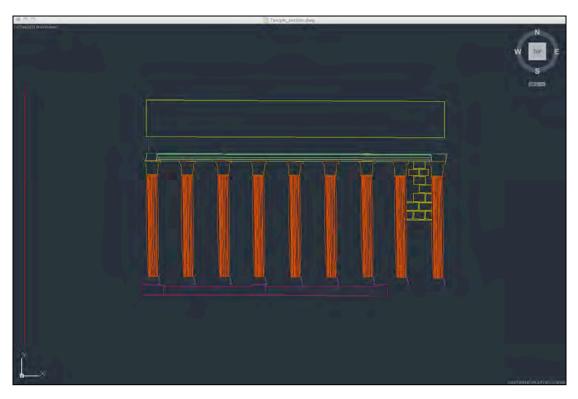
Amphitheatre screenshot 5: Building of amphitheatre portico in 3ds Max (EDG)



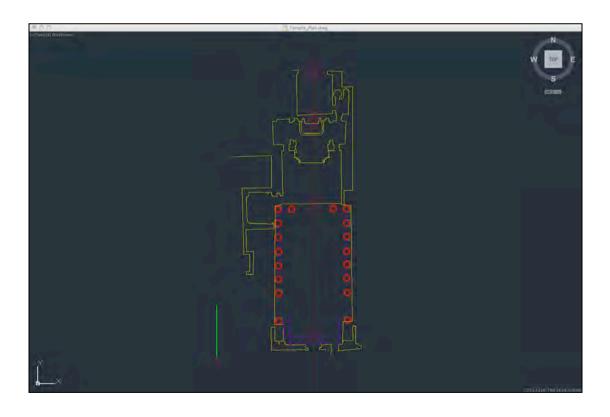
Amphitheatre screenshot 6: Exterior of amphitheatre with mental ray lighting in 3ds Max (EDG)



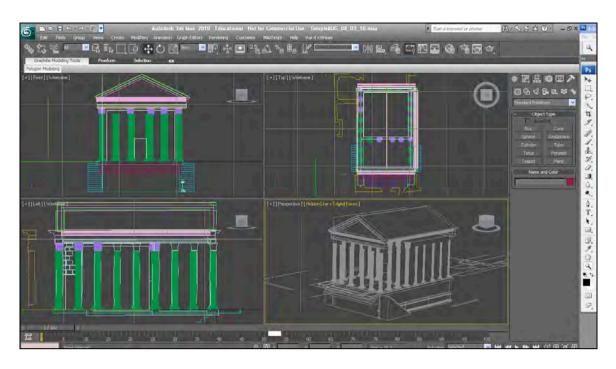
Amphitheatre screenshot 7: Cross-section of the amphitheatre showing the columns on the upper tier of the seating (EDG)



Capitolium screenshot 1: Digitised section of the Capitolium in AutoCAD (EDG)



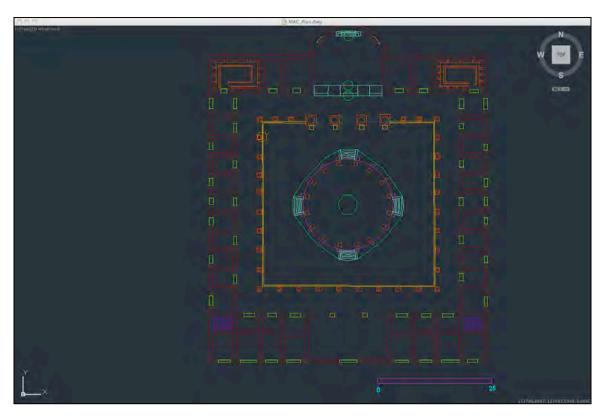
Capitolium screenshot 2: Digitised plan of the Capitolium in AutoCAD (EDG)



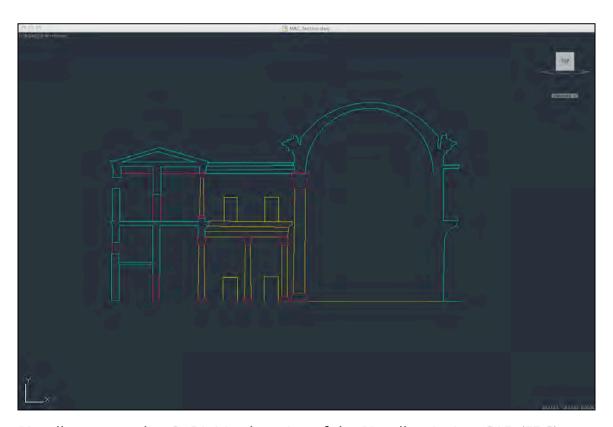
 $\it Capitolium$ screenshot 3: Volumetric model of the $\it Capitolium$ in 3ds Max (EDG)



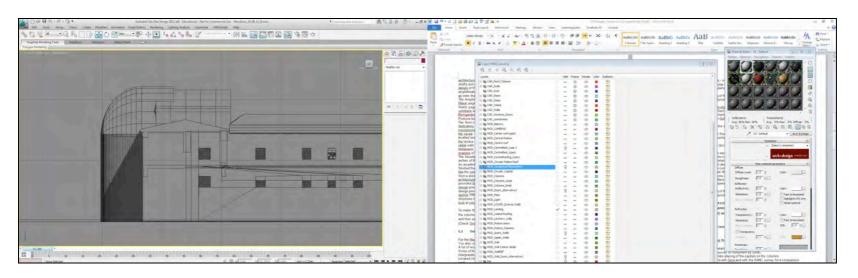
Capitolium screenshot 4: Simple colours used in the render of the Capitolium of Pozzuoli (EDG)



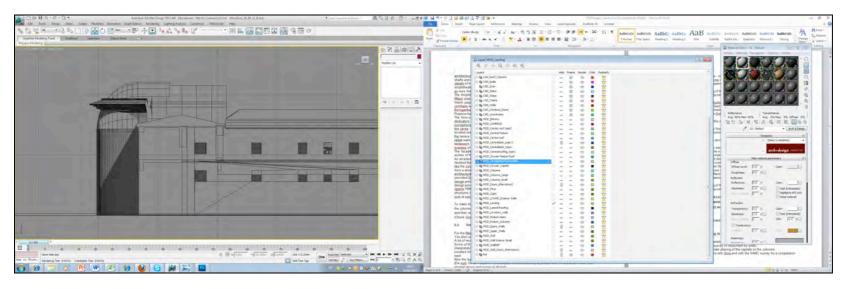
Macellum screenshot 1: Digitised plan of the Macellum in AutoCAD (EDG)



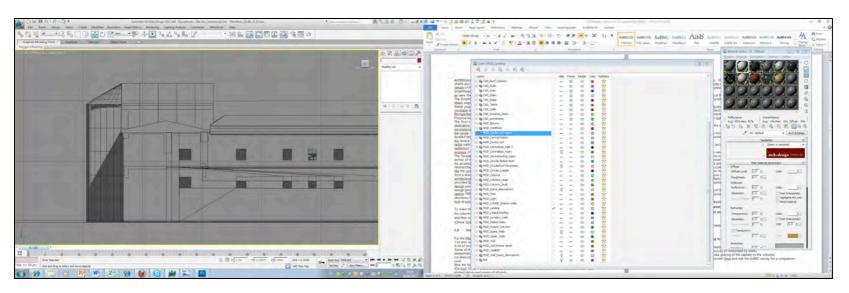
Macellum screenshot 2: Digitised section of the Macellum in AutoCAD (EDG)



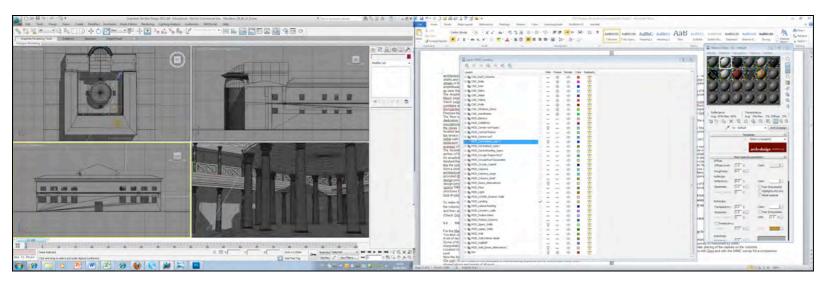
Macellum screenshot 3: Volumetric reconstruction of the vestibule of the Macellum In 3ds Max (EDG)



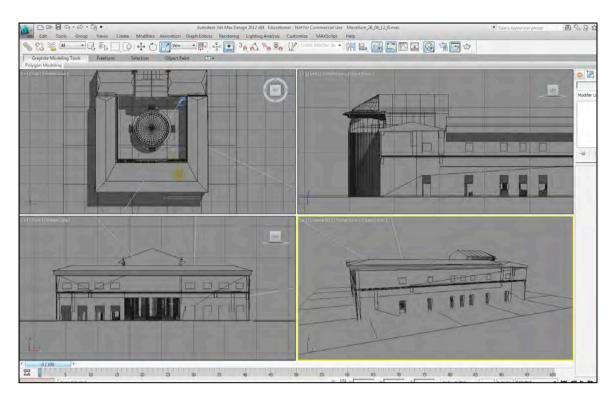
Macellum screenshot 4: Volumetric reconstruction of the vestibule of the Macellum In 3ds Max with addition interpretive element by Christie (EDG)



Macellum screenshot 5: Volumetric reconstruction of the vestibule of the Macellum In 3ds Max (EDG)



Macellum screenshot 6: Conjectural volumetric interpretations of the exterior of the MacellumI (EDG)



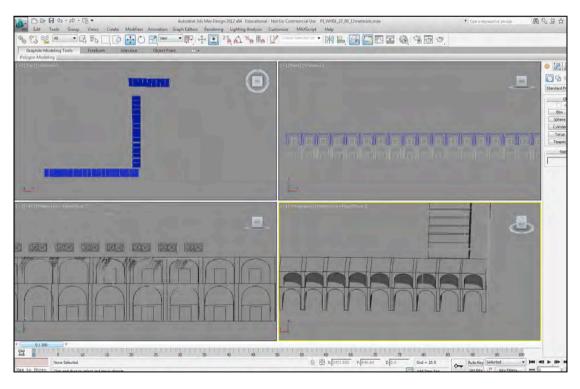
Macellum screenshot 7: Conjectural volumetric interpretations of the exterior of the Macellum (EDG)



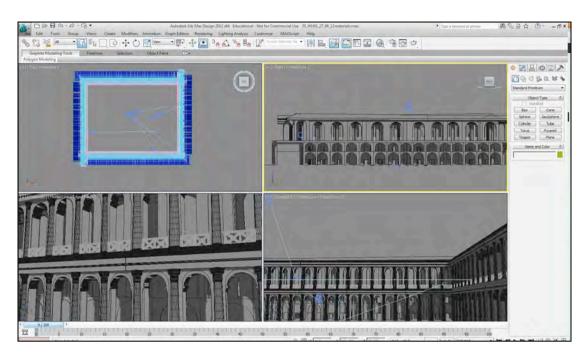
Macellum screenshot 8: Render of the central tholos of the Macellum using simple white colours (EDG)



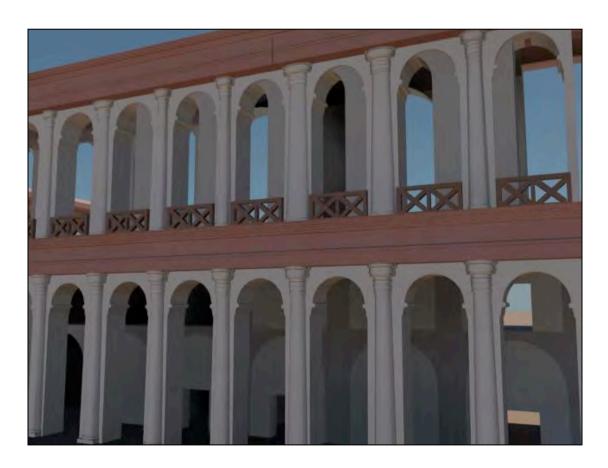
Macellum screenshot 9: Render of the central *tholos* of the *Macellum* using simple white and terracotta colours (EDG)



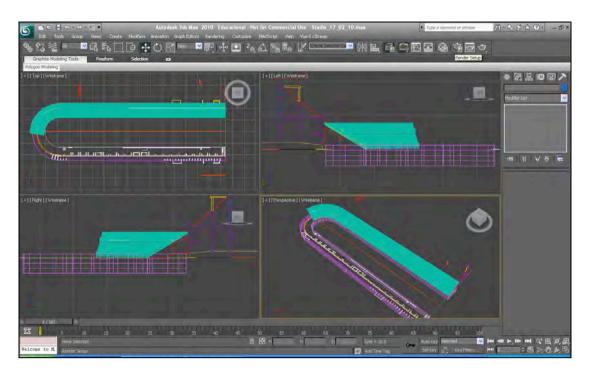
Porto Julio screenshot 1: Volumetric reconstruction of warehouse rooms in 3ds Max (EDG)



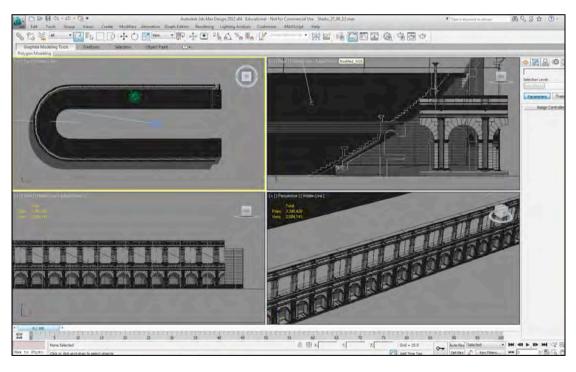
Porto Julio screenshot 2: Volumetric reconstruction of the hypothetical balcony elements in 3ds Max (EDG)



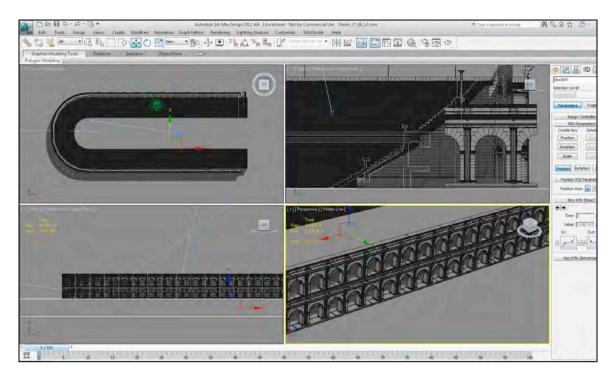
Porto Julio screenshot 3: Render of the Porto Julio hypothetical façade using simple colours in 3ds Max (EDG)



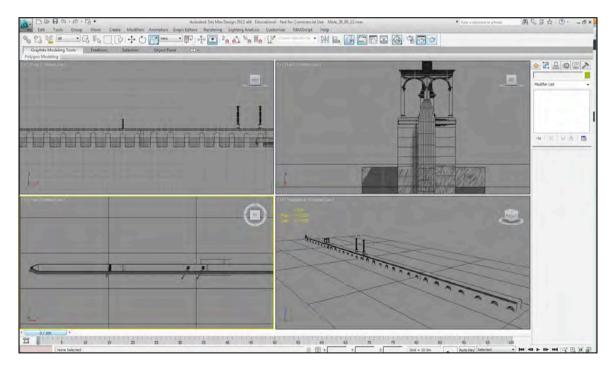
Stadium screenshot 1: Volumetric reconstruction of the Stadium of Pozzuoli in 3ds Max (EDG)



Stadium screenshot 2: Volumetric reconstruction of the Stadium of Pozzuoli in 3ds Max (EDG)



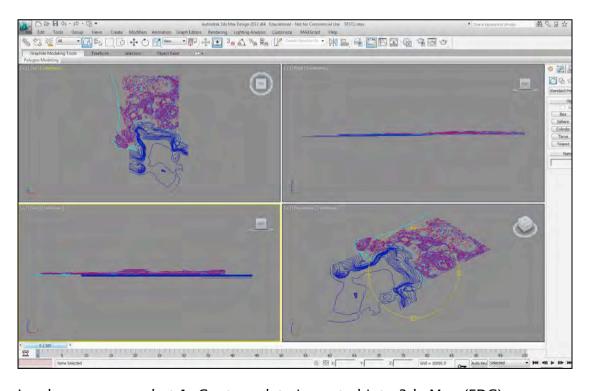
Stadium screenshot 3: Hypothesized exterior of the stadium compared to screenshot 2 (EDG)



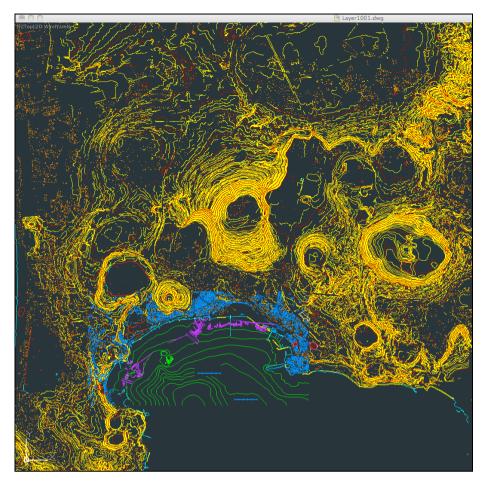
Harbour mole screenshot 1: Volumetric reconstruction of the harbour mole in 3ds Max (EDG)



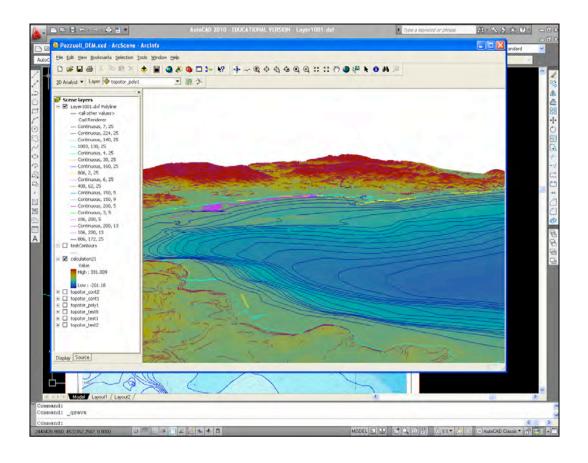
Harbour mole screenshot 2: Render with simple colours of the harbour mole in 3ds Max (EDG)



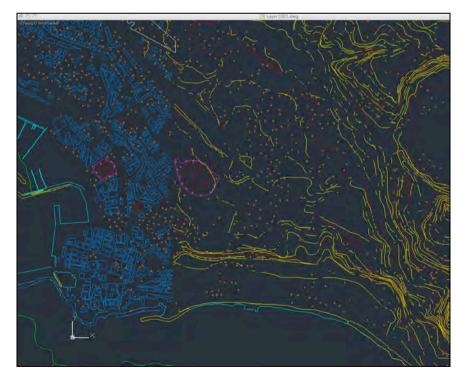
Landscape screenshot 1: Contour data imported into 3ds Max (EDG)



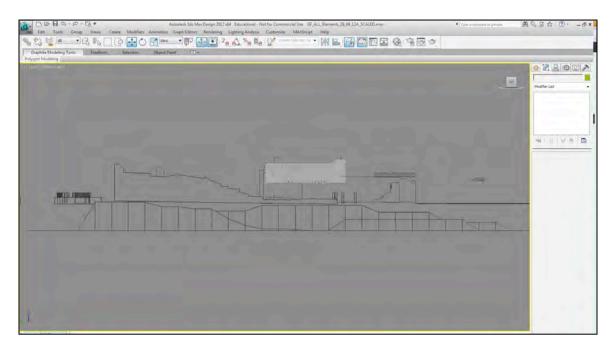
Landscape screenshot 2: Screenshot showing contour data in AutoCAD (SANC)



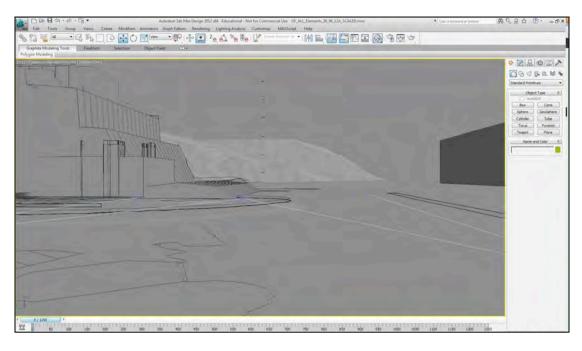
Landscape screenshot 3: Contour data as evidenced in GIS showing missing contour data such as breaks in red lines (EDG)



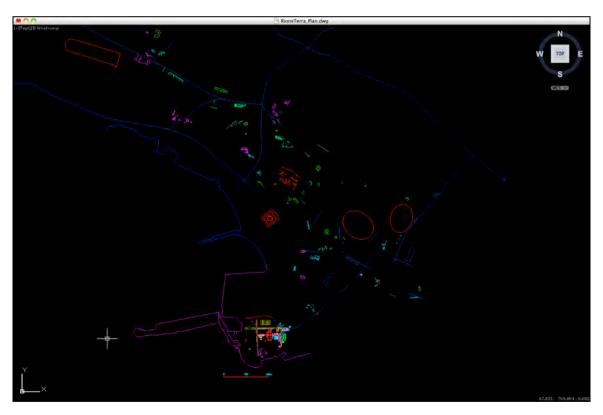
Landscape screenshot 4: AutoCAD contour map showing missing contour areas such as braks in yellow lines (SANC)



Landscape screenshot 5: Sommella's cross-sections being inserted into 3ds Max to help with the addition of missing terrain information (EDG)



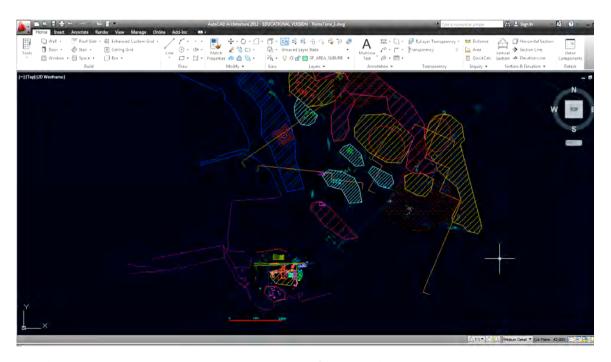
Landscape screenshot 6: Volumetric reconstruction of the (hypothetical) Rione Terra promontory in 3ds Max (EDG)



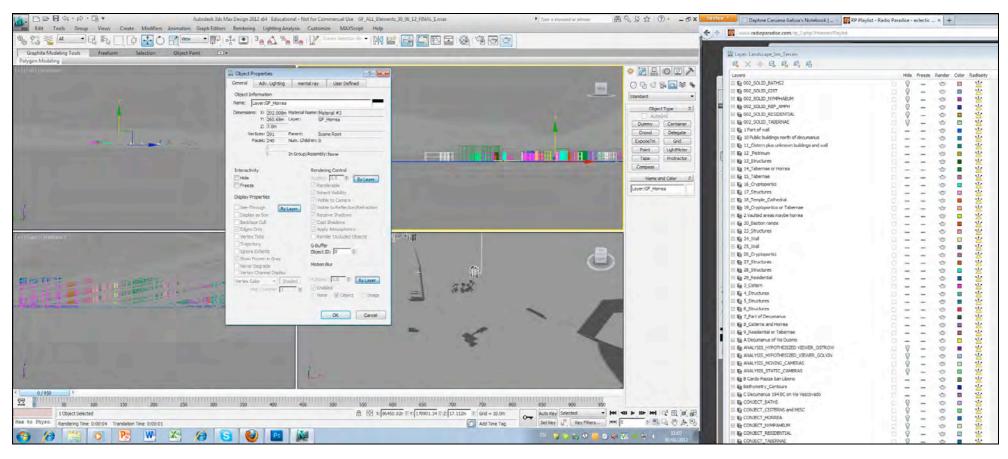
Landscape screenshot 7: AutoCAD map with digitised archaeological remains added to the Rione Terra in addition to Zevi's gazetteer (1993) (EDG)



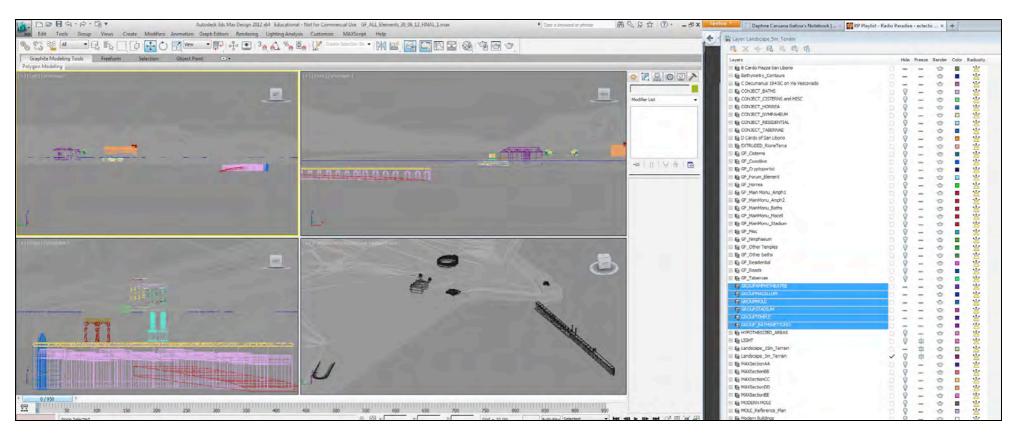
Landscape screenshot 8: AutoCAD map with digitised archaeological remains as noted in Zevi's gazetteer (1993) (EDG)



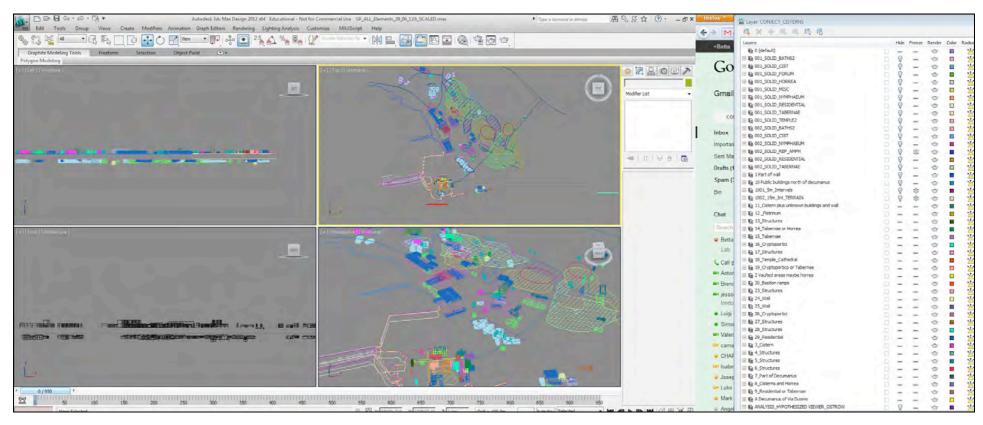
Landscape screenshot 9: AutoCAD map of Pozzuoli with various commercial areas as hypothesized by Sommella (1978) (EDG)



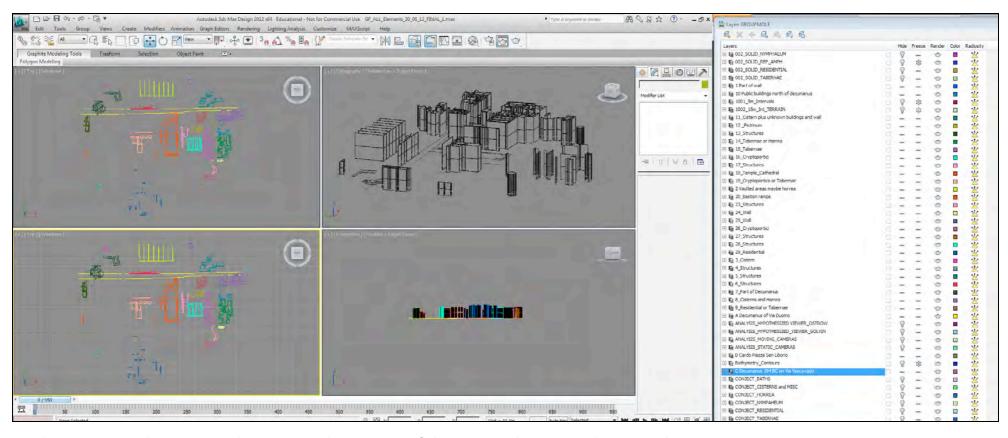
Landscape screenshot 10: Data attached to volumetric models in 3ds Max (EDG)



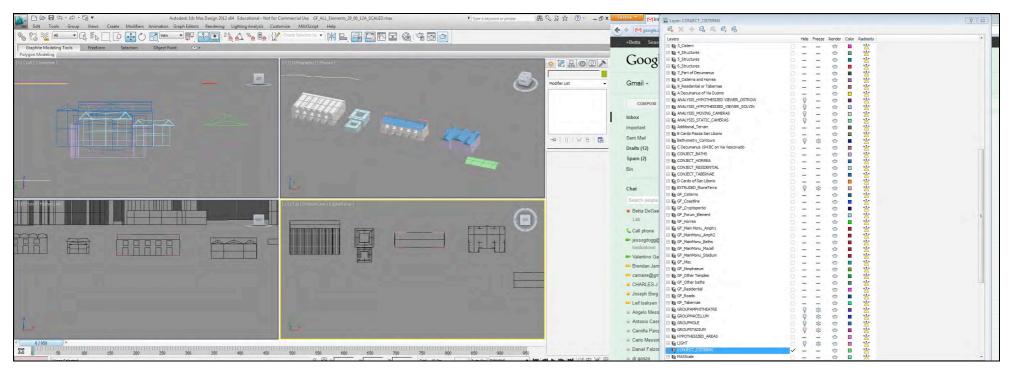
Landscape screenshot 11: Imported main monuments in the overall landscape (EDG)



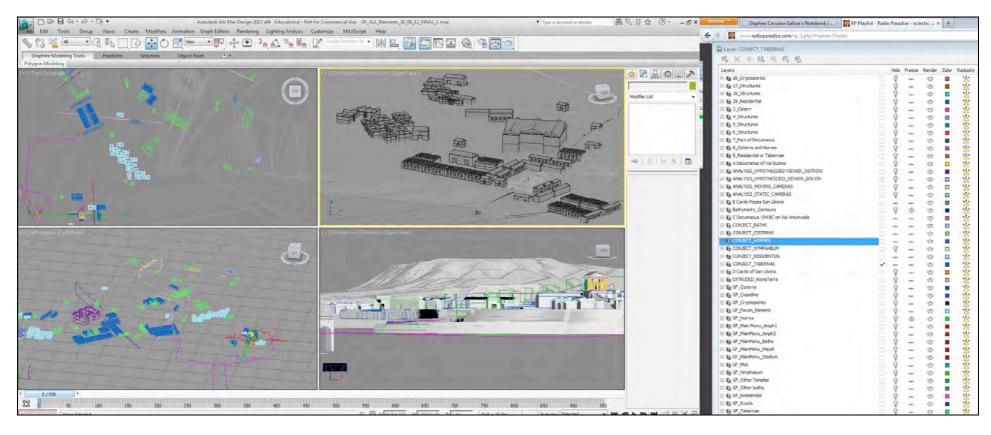
Landscape screenshot 12: Simple conceptual extrusion of the imported AutoCAD lines in 3ds Max (EDG)



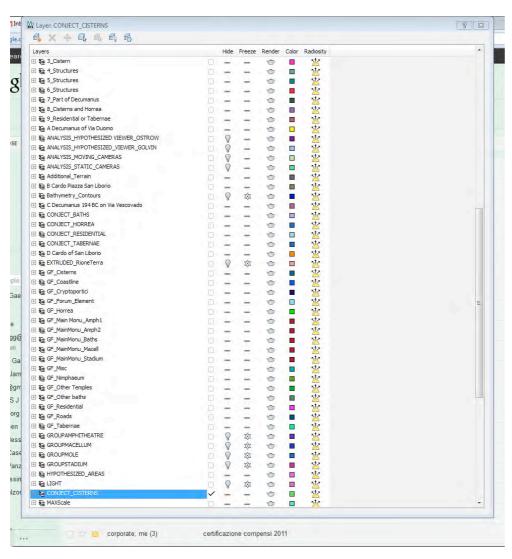
Landscape screenshot 13: Simple conceptual extrusion of the imported AutoCAD lines in 3ds Max (EDG)



Landscape screenshot 14: Hypothetical volumetric models used in the gap filling process with simple colours and layers attached (EDG)



Landscape screenshot 15: Hypothetical volumetric models used in the gap filling process with simple colours and layers attached (EDG)



Landscape screenshot 16: Screenshot showing the various layers used during the volumetric modelling of hypothetical gap-filling buildings in 3ds Max (EDG)

Appendix 1 - Ancient primary sources

Seneca Naturales Quaestiones

Book 5: 15

1[...] But to return to the matter in hand; there are four winds, divided, according to the cardinal points, into east, west, south, and north. The rest of the winds, which are called by different names, are attached to these:

Eurus has gone toward the dawn and the realms of Nebaioth And Persia and the peaks that lie beneath the rays of morn.

Evening and the coasts that are warmed by the setting sun Are close to Zephyrus. Scythia and the Great Bear Are under the sway of dread Boreas. The land that faces these Is bathed in unbroken cloud and rainy Auster.

2 Or if you prefer a briefer enumeration you may gather them in one great strom-a physical impossibility, by the way: Eurus and Notus (south) rush together, and with squall upon squall

Africus (south-west).

And we may add Aquilo (north), which has no place in the famous battle of the winds to which Virgil refers. Some make the number of the winds twelve [...].

[...] I do not approve of the identification; Corus is a vehement wind, rushing in one uniform direction, while Argestes is, as a rule, a gentle wind, and blows impartially on travellers coming and going along the same road (i.e. is constantly

shifting). From sunset in midwinter comes the rushing furious Africus (African wind), named by the Greeks the Libyan (Xn/r). In the northern quarter the highest (i.e. most easterly) is Aquilo, the central one is Septemtrio, the lowest Thracias, 1 for which there is no corresponding word in Latin. In the southern region there is Euronotus, then Notus, or in Latin Auster, then Libonotus, which has no Latin name. [...]

Seneca's Moral Letters to Lucilius Letter 53: On the faults of the spirit.

1."You can persuade me into almost anything now, for I was recently persuaded to travel by water. We cast off when the sea was lazily smooth; the sky, to be sure, was heavy with nasty clouds, such as usually break into rain or squalls. Still, I thought that the few miles between Puteoli and your dear Parthenope might be run off in quick time, despite the uncertain and lowering sky. So, in order to get away more quickly, I made straight out to sea for Nesis, with the purpose of cutting across all the inlets. 2. But when we were so far out that it made little difference to me whether I returned or kept on, the calm weather, which had enticed me, came to naught. The storm had not yet begun, but the ground-swell was on, and the waves kept steadily coming faster. I began to ask the pilot to put me ashore somewhere; he replied that the coast was rough and a bad place to land, and that in a storm he feared a lee shore more than anything else. 3. But I was suffering too grievously to think of the danger, since a sluggish seasickness which brought no relief was racking me, the sort that upsets the liver without clearing it. Therefore I laid down the law to my pilot, forcing him to make for the shore, willy-nilly. When we drew near, I did not wait for things to be done in accordance with Vergil's orders, until

Prow faced seawards

or

Anchor plunged from bow;

I remembered my profession as a veteran devotee of cold water, and, clad as I was in my cloak, let myself down into the sea, just as a coldwater bather should. 4. What do you think my feelings were, scrambling over the rocks, searching out the path, or making one for myself? I understood that sailors have good reason to fear the land. It is hard to believe what I endured when I could not endure myself; you may be sure that the reason why Ulysses was shipwrecked on every possible occasion was not so much because the sea-god was angry with him from his birth; he was simply subject to seasickness."

The second most widely quoted text from Seneca in relation to *Puteoli* is the arrival of the Alexandrian grain fleet, greeted with joy by the population of *Puteoli*.

Seneca's Moral Letters to Lucilius Letter 77: On Taking One's own life.

1. "Suddenly there came into our view to-day the "Alexandrian" ships, - I mean those which are usually sent ahead to announce the coming of the fleet; they are called "mail-boats." The Campanians are glad to see them; all the rabble of Puteoli stand on the docks, and can recognize the "Alexandrian" boats, no matter how great the crowd of vessels, by the very trim of their sails. For they alone may keep spread their topsails, which all ships use when out at sea, 2. because nothing sends a ship along so well as its upper canvas; that is where most of the speed is obtained. So when the breeze has stiffened and becomes stronger than is comfortable, they set their yards lower; for the wind has less force near the surface of the water. Accordingly, when they have made Capreae and the headland whence

Tall Pallas watches on the stormy peak,

all other vessels are bidden to be content with the mainsail, and the topsail stands out conspicuously on the "Alexandrian" mail-boats.

3. While everybody was bustling about and hurrying to the water-front, I felt great pleasure in my laziness, because, although I was soon to receive letters from my friends, I was in no hurry to know how my affairs were progressing abroad, or what news the letters were bringing; for some time now I have had no losses, nor gains either."

Rutilius Namatianus: A Voyage Home to Gaul - Book 1 (Published in the Loeb Classical Library, 1922)

In the half-dawn we weigh anchor, at the hour of day when colour is first restored and lets the fields grow visible. In little boats we make way along the nearest shores, so that a beach might always lie open as a refuge for them. Let cargo-ships 'neath canvas plough through the summer waves: safer is autumn if we have quickness to escape. The Alsian land is skirted, and Pyrgi fades into the distance — to-day large country-houses, in earlier days small towns. Now the sailor points out the bounds of Caere: the ancient Agylla has lost its name through time. And time:

To Centumcellae we changed our tack before a strong South wind: our ships find mooring in the calm roadstead. An amphitheatre of water is there enclosed by piers, and an artificial island shelters the narrow entrances; it rears twin towers and extends in both directions so as to leave a double approach with narrow channels. Nor was it enough to construct docks of wide harbourage; to keep the vagrant breeze from rocking the craft even when safe in port, an inner basin has been coaxed into the very midst of the buildings, and so, with its surface at rest, it knows naught of wayward wind, like the water imprisoned in Cumae's baths⁴⁷ which buoys up the unhurried arms plied by the swimmer in alternate sweep.

(p783)

The shades of night as yet are undispelled when we entrust ourselves to the sea. Born of the neighbouring hill-crest, a breeze befriends us.

(p793)

We touch at Umbro's mouth: no inconsiderable stream, it welcomes panic-stricken barques at a safe entrance: such easy approach does

the river-bed with its descending current ever offer, as often as a cruel tempest bursts upon the deep. Here I was minded to land upon the peaceful shore; but, as the mariners were greedy for further progress, I e'en follow: so, speeding on, I find that with daylight the breeze has failed: neither forward nor backward can we make way. So on the sand of the beach we mark out⁶⁷ our resting-place for the night: a myrtle wood provides our evening fires.

(P795)

Day came: though pushing on with oars, we seem to be at a standstill, and yet the receding land proves the movement of the bow. Across our course lies Elba, famous for its iron mines:⁶⁸ than it Norican⁶⁹ soil has produced no richer yield; nor is the wrought metal of the Bituriges preferable, though smelted in great furnaces;⁷⁰ nor the molten mass which pours from the Sardinian ore.⁷¹

(p797)

Against us rises a North wind; but we too strive with oars to rise, while daylight shrouds the stars. Close at hand Populonia opens up her safe coast, where she draws her natural bay well inland. No

(p801)

Pharos,⁸² conspicuous with nightly light, has piers built there which rise in order to sky; but men long ago, finding a mighty cliff to serve as a look-out where the towering hill-crest overhangs the conquered waves, laid the foundations of a castle for twin services to man—a defence on land and signal-post for sea.

(p801)

When the North wind veered, we took pains to run with sails before the breeze, as soon as the Morning-star gleamed on his rosy steed. Corsica begins to show her dim mountains, and, matched in colour, the mass of shadow makes the cloud-capped crest look higher still: so 'tis the

moon's way with splendid horn to fade leaving us puzzled,89 and e'en though found she yet lies hid for straining eyes.

(p803)

A clear South-east wind had brought again the moment for sailing; but I was eager to pay a visit to Protadius: 109 whoever perchance may wish to recognise him by sure signs should think in his heart that he is looking upon a model of goodness:

(p813)

And now returning from Pisa's city to Triturrita, I was setting the hanging sails to a clear Southern wind, when the sky turned foul under a sudden pall of rain-clouds; the cloven rack scattered its vagrant lightnings. We stopped; who 'neath a spiteful storm would dare to go on seas which threatened madness?

(p819)

Meanwhile the South-west wind on dripping wings fails not by means of pitch-black clouds to deny us day after day. 'Tis now the season¹³³ when the watery Hyades are at their morning setting, and now the Hare is buried and hidden by the winter's rain — a constellation of scanty beams but cause of mighty waves: no sailor puts out from the land which it has soaked; for it is closely linked to stormy Orion, and the dew-drenched prey flees from the heat-fraught Dog-star. We saw the sea yellowing with the disturbance of the sands and pastures covered with the scum it has belched forth, even as the Ocean pours into the midst of fields, when under errant brine it whelms the lands from which it must ebb; whether the truth be that back-flowing from another world¹³⁴ it dashes against this world of ours, or that with its own waters it feeds the twinkling stars.

(p821)

Pliny the Elder

Book 2 Chap. 46. (47) - The different kinds of winds

"The ancients reckoned only four winds (nor indeed does Homer mention more) corresponding to the four parts of the world; a very poor reason, as we now consider it. The next generation added eight others, but this was too refined and minute a division; the moderns have taken a middle course, and, out of this great number, have added four to the original set. There are, therefore, two in each of the four quarters of the heavens. From the equinoctial rising of the sun proceeds Subsolanus⁴, and, from his brumal rising, Vulturnus; the former is named by the Greeks Apeliotes, the latter Eurus. From the south we have Auster, and from the brumal setting of the sun, Africus; these were named Notos and Libs. From the equinoctial setting proceeds Favonius, and from the solstitial setting, Corus⁸; these were named Zephyrus and Argestes. From the seven stars comes Septemtrio, between which and the solstitial rising we have Aquilo, named Aparctias and Boreas. By a more minute subdivision we interpose four others, Thrascias, between Septemtrio and the solstitial setting; Cæcias, between Aquilo and the equinoctial rising; and Phænices, between the brumal rising and the south. And also, at an equal distance from the south and the winter setting, between Libs and Notos, and compounded of the two, is Libonotos. Nor is this all. For some persons have added a wind, which they have named Meses, between Boreas and Cæcias, and one between Eurus and Notos, named Euronotus.

Pliny the Elder *Naturalis Historia*Book 2 Chap. 81.(79.) - Of Earthquakes

According to the doctrine of the Babylonians, earthquakes and clefts of the earth, and occurrences of this kind, are supposed to be produced by the influence of the stars, especially of the three to which they ascribe thunder;

[...] But I leave every one to judge of these matters as he pleases. I certainly conceive the winds to be the cause of earthquakes; for the earth never trembles except when the sea is quite calm, and when the heavens are so tranquil that the birds cannot maintain their flight, all the air which should support them being withdrawn; nor does it ever happen until after great winds, the gust being pent up, as it were, in the fissures and concealed hollows. For the trembling of the earth resembles thunder in the clouds; nor does the yawning of the earth differ from the bursting of the lightning; the enclosed air struggling and striving to escape.

Appendix 2: Excel Sheets (used for data distribution and recording of reconstruction process)

LANDSCAPE ELEMENT(S)	Vector data (Layers) used	Raster data used for element	Provenance	Notes
Contours	1001_5m_Intervals	None	SANC - Dr Gialanella	
Vincoli archeologici GENERALE + vincoli comune.dwg	1002 15m Intervals	None	SANC - Dr Gialanella	Many unknown layers badly labelled (mostly just using numbers). Missing .shx file caused autocad to crash in some versions and file could not be opened. Point data that has x, y but no z data.
layer 1001.dwg				File created by EDG by extracting relevant contour data from vincoli.dwg
Contours for Rione Terra (extracted to be used of Rione Terra)	Added Contours	Used Sommella's Map (Somella093.jpg)	Scanned Publication	Rione Terra has no contours - compensated by using Sommella detailed map that has some contours - these too are however incomplete.
		Zevi (1993)	Naples Archives	Only partial as the map of Somella is but a detail of Rione Terra and not the whole of the Bay.
				The few bathymetry contours on this map are grossly outdated (taken from tav002.tif)
Bathymetry	Bathymetry_old	Tavola 10	Naples archives	The lett buttyfficity contours off this flight are grossly cutative (taken from tavozzan)
planimetria strutture sommerse 2000.dwg		Tavola002.tif	Naples archives	Grossly outdated so Bathymetry contours used on this map have been ignored and new set have been digitised.
	Bathymetry Contours	Istituto idrografico della marina (1987)	Naples archives	
	Map Bathymetry	Istituto idrografico della marina (1987)	Naples archives	Definately a more reliable source for the bathymetry contours - Have chosen to use this map instead of the archives ones.
	map Daulymeay	istituto latogranico della manna (1501)	Napies archives	
Underwater remains of the Portus Iulius	401_underwater_rem			
Planimetria strutture somemrse 2000.dwg				The underwater remains on this map do not match the position of any of the remains as decpicted on the raster maps
Layer 1001.dwg				When imported this autoCAD map matched the spatial references of vincoli.dwg perfectly.
Detailed structures represented in the following rasters:		tavola 002.tif	Naples archives	
Detailed structures represented in the following rasters.		tavola 008.tif	Naples archives	
		tavola 009.tif		
		เลขาดล 009.แก	Naples archives	
		tavola_014.tif	Naples archives	
		tavola 016.tif	Naples archives	
		tavola 020.tif	Naples archives	
		tavola 027.tif	Naples archives	
Original Coastline	1			
Planimetria strutture somemrse 2000.dwg		based on	Naples Archives	
Layer 1001.dwg				
				One of the few maps that tries to interpret what the original size of Lake Lucrinus was. Matched well with a large portion of the CAD
Original extent of lake lucrinus	Pres Orig size of Lucrinus	digitised from Castagnoli map	Scanned publication	One of the few maps that thes to interpret what the original size of cake coolings was, wateried well with a large portion of the OAD
Archaeology	Map_Castangoli	digitised from Castagnoli map	Scanned publication	Has highlighted the major monuments, the main acnient roads, the area designated as the forum
menacology			Scarned publication	and an attempted interpretation of the possible street plan of Rione Terra (which is also found in Sommella)
	Map detail somm RioneTerra	sommella093.jpg		A comprehensive map with a gazzetteer of all the remains documented. This is now also dataed but nothing has been published.
	Map Zevi	unione copy.jpg	SANC Dr Gialanella	

	Zevi Arch Cisterns	unione_copy.jpg		
Horrea and Tabernae	Zevi Arch Horrea Tabernae	unione copy.jpg		
Public Buil;dings	Zevi Arch Public	unione copy.jpg		
Residenttial building elements	Zevi Arch Residential	unione copy.jpg		
General archaeology (perhaps without description)	Zevi Archaeology	unione copy.jpg		
Roads interpreted by Zevi	Zevi Roads	unione copy.jpg		
Area interpreted by Sommella	Map Somm aread	sommella009.jpg	scanned publication	
	Interp area Commerc	sommella009.jpg	scanned publication	This is a plan with Sommella's hypothetical areas with the concentration of various building types (a bit old now)
	Interp area demolished	sommella009.jpg	scanned publication	Areas where archaeological remains are believed to have existed but can not longer be found due to modern development
	Interp area Public	sommella009.jpg	scanned publication	concentration of public building types
	Interp area Resident	sommella009.jpg	scanned publication	concentration of public building types
Architectural development as interpreted by Sommella	Map Sommella Dev	sommella075.jpg	scanned publication	
	Development CoIM Augustan	sommella075.jpg	scanned publication	From the time of the colonia marittima to the augustan period
	Development Hadrianic	sommella075.jpg	scanned publication	Hadrianic additions
	Development Severan	sommella075.jpg	scanned publication	Severan additions
Other Landscape elements				
Modern buildings	401 Modern Building	none		But seems to be based primarily on Zevi's Map of the area (Find out which Catastale map he based it on)
Current coastline		01 none		
Modern port-related structures		13 none		
Current lake delimitations		05 none		
Additional port structures		06 none		
Unknown Elements (archaeology?)		08 None	SANC Dr Gialanella	
		04 None		These are what I believe to be spot heights
General landscape information	Map General Cartography	Carta 'Italia (Foglio 447 sezIII)	Scan	Not very accutae but used it just to check that all main landscape elements had been included.
General landscape information	Map Generic Landscape	porto di baia.tif	Naples Archives	Also used for general rererences purposes - underwater remains on this map do not match the AutoCAD drawing
General landscape information	Map google	Portus iuliusWcoast.jpg	Internet downloads	
General landscape information	Map Tav24 IGM	file0030.jpg	Internet downloads	
		macellum.jpg	Internet downloads	
Designated archaeological areas	Map Sectors	10000 VINCOL reduced.jpg	Naples Archives	A good reference map with information on the designated arcaheological areas of the entire region of Pozzuoli
Socialista di oridoriogical di cas	map sould	Trouble Troubled Todalogui,pg	Trapics Archives	Matches quite accurately with the CAD file.
	1			

GIS OUPUT (ArcMap)	Notes on:
PUTEOLI_TOPO.mxd	
Layer1001.dxf Group Layer	This layer is based on the edited AutoCAD file (1001.dwg) that had to be saved in version 2004 in order to import correctcly into ArcGis 9.3 It includes points, polylines, polygons and annotations.
Layer1001.dxf Polyline	This is the layer that was exported in GIS in order to create the exported .shp file
Export Contours	Generated contours that were then used to create the raster DEM needed of the terrain
ClippingMask	A shape file created to reduce the area of Pozzuoli and it's associated raster DEM
Calc3	The generated clipped dem with its corresponding height data
TopoContours	Is the full DEM as generated using the topo to raster tool in arctoolbox
PUTEOLI_POINT.mxd	
Extracted Points	This layer was created by first importing the points from the dwg file (SANC). These were then exported to a shp file and any points without elevations were removed.
New Shapefile	This is the same clipping shape used in puteoli. Mxd
PointData	DEM created of the whole area using point data
Calculation	Reduced area with relevant data as extrapolated from the points. The height data in the rasrer was represented using classified instead of the stretched data. For some reason the stretched data was clipping parts of the bitmap and assigning 1 colour to what was clearly a series of spot heights.
GIS OUPUT (ArcScene)	Notes on:
Puteoli Topo.sxd	This file was created by importing the relevant raster dem and contour data that could then be visualised in axionometric views and allows for navigation.
Export contours.shp	This layer was imported from Puteoli_TOPO.mxd and the base heights were set from the file in order to obtain the three-dimensional view.
Layer1001_MoreContours.dxf	This file too was imported from Puteoli_TOPO.mxd and it includes the added contours that were digitised for the area of Rione Terra but does not include the Bathymetry data.
pointdata	This raster was created in ArcMap using the extracted point data in the PUTEOLI_POINT.mxd file. It was then impored into ArcScene and a colour ramp and base heights were added to give it its 3d form. It also includes the whol region of Pzzuoli
calc3	This raster was created in ArcMap using the exported contour data (layer Export_Contours). It also includes the bathymetry data but not the point data. This is also a cropped raster specifically to the port area of Pozzuoli and the lakes.

MONUMENT	Length (m)	Width (m)	Hieght (m)	Notes	Work to do on the model
		1 '	. Aregin (III)		Have to do dit the model
Stadium dimensions Vaulted portices windows in the exterior face between Piers (ref Humphrey 1986: 571-573) Arena dimensions (ref Humphrey 1986: 571-573) Plan of the Stadium based on Soprintendenza Survey plan Calculated total height (based on conjectural section) Depth of seating (based on Circo Massimo) Conjectural Section chosen (based on Circo Massimo) Conjectural linear side (based on Gismond's Domitian's Stadium) CHECK ALL THE IMAGES ON SOTON DRIVE!	370 1.9 318 165 0.5	2. 9 2.19 3 4	5	Stadium dimensions Don't forget to reference Humphrey Humphrey: 571 - the building lies west of the town near and parallel to the via Domitiana Its location in relation to the town is plausible enough for a circus - dimensions however do not settle the issue dubois plan shows the arena as being approximately 370m in length and a little over 50m wide, although it is not clear which was the circular end and there is no trace of of any central barrier the plan by andrea de jorio in the earth 1916 to suggests a structure which had 2 rounded ends and certainly one existed on the west si the width would suit better a stadium the reported length however would suit better a circus since Domitians stadium was only 275m in the building was constructed of brick reticulate-faced concrete. Still visible during Dubois 's time: Humphrey describes a vaulted portion 3.2m wide with large windows 2.9m wide in the exterior face between piers which measured 1.9 x 2.15m - there were rings to attach the masts to the awnings the inner sides were pierced by openings which led to seals that were supported by sloping vaults the remains described ould belong equally to a circus or a stadium although it is noted that no circus is known to have had provisions for awnings it may be possible that this building was made deliberately larger than most stadius so as to hous ecertain equestrian events that this building was called a stadium is strongly suggested by the prague and oinkilton vases the masts and windows on the flasks match the description of the remains if the building at Puteoli functioned as a combination of stadium/hippodrome it may have been built for the naples' greek style games Amaliftano pa 129 - placed in a panoramic position on a terrace overlooking the sea t was the largest in antiquity (260 x 65 slightly smaller) than that of Domitian (285m) the exterior of the building faced the via Domitiana and was made out of laterizia and decorated with partial columns that supported the See also Gialanella's pamphlet of the sta	nt Texture etc. You need to check the actual pssible height and readjust
Porto Julio Warehouses Individual rooms (interior) based on Sop. Survey plan Doorway?	5.5 1.34		5	Porto Julio Warehouses What are you basing the elevation on and why? Reference Rickman and that the only evidence for the Horrea of Puteoli are found in the image Picard but very questionable as data source, see also Rickman Page 132. You also got the elevation from Gros of the Horrea Aggrippiana Very similar to the Horrea of Portus which is why you have chosen the elevation of Aggrippina You need to finish the upper store rooms of the horrea but you will need to check how you are going to do these as the fist system of archways does not really match with the outer façade.	look at the horrea grandi at Ostia for comparison you need to figure out what the front looked like, where were the entrances/exits need to figure out what happens with the corner You need to look for the publication on the research that has been done for the Grandi Horrea at Ostia
Temple of Augustus				Temple of Augustus Remember to find references for the roof details (see gros to start) Measurments all possible through detailed survey of monument by SANC Things you need to remember are the accurate placing of the capitals on the columns Make sure you double check the decorations with Gros and with the SANC survey for a comparison	Need to finish the roof elements, joining corners of lintels etc and details (no need it's neat as it is) the front portice needs completion the capitals need defining accurately (you can now used recon cd elements that you have copied!) texture align columns properly! columns also need to be radially squeezed, using the centre of the gizmo with an axial buildge of 0.82 or more (no need)
The Macellum Plan Section De Ruyt says it measures 58m x 75	74.94	60.74		The Macellum you used Christle's watercolors For the Macellum you used Christle's watercolors You also used the plan of De Ruyt and the Section of Demma A lot of reconstructions of the individual elements are based on christle's work Some of the elements were also taken from Golvin but these were to act as an alternative interpretation Located close to the port about 100m from the shores behind the porticoes that bordered it to the west Now the building is no more than 30m away from the shore (chech in acad) (De ruyt) On all 4 sides of the courtyard is surrounded by a portico with 2 floors under which were aligned shops and rooms of all sorts the outside of the building was also flanked (according to de ruyt) on the NE and SE by roads which also house shops de ruyt pg 151 - the main entrance is on the west close to the sea de ruyt pg 151 - a portico 5m wide accessible via 4 steps was the entrance on the road facing the sea de ruyt pg 151 - it was covered by a roof sustained by 14 columns at the centre a vestibute 14,40m in width led directly to the portico of the interior courtyard the passage was delimited at the end of the corridor by two columns of which only the bases survive 4 secondary entrances were located between the shops the macellum as described by amalfitano - one of the largest buildings known (58x75) that resembles the macellum macnum built in on the west side of the courtyard 6 shops opened towards the interior courtyard and the remaining 7 opened onto the exterior dating is uncertain end of the 1st to the beg of the lind c AD w resturcturing in the severan period urban context of pozzuoil conditioned the layout of the macellum June 2012: You have created alternative layers for elements you are unsure of such as the back of the central apse and the n	n rome under Nero Also you should replace for the close up the various columns (check which corinthian ones you need)
Bathing Complex Tempio di Nettuno					
Molo Galligoliano	372.88	3 16	3	The width is based on the remains as recorded by Dubois and the widest remain in the set of pillars	
Amphitheatre (flavian) dimensions based on DL Bomgardner area a area of arena area of cavea total area (unspecified) estimated perimiter percentage devoted to seating estimated seating capacity plans and sections based on Golvin's survey detailed seating section based on the closseum as published by coarelli and	149 74.8 d welch		2.467m2 11.107m2 13.575m2 832.5m	The Amphitheatre Other authors who have recorded the amphitheatre in detail are Golvin, Maiuri, Dubois, Zevi Golvin's plan and section were used to digitise into AutoCAD Maiuri's detailed sections and isometric sketches were used for elements such as the extrernal portico architectural drawinsg in maiuri were also used to reconstruct the portico detail such as column bases, shafts and capitals details of the seating for the upper tiers of the cavea were extrapolated from diagrams of the flavian amphitheatre in Rome oas were the additions of the awning system to the facade The Amphitheatre is perhaps the most well researched monument in Pozzuoli. Maiuri page 60/61/62 Welch page 137 (detailed isometric reconstruction of the colosseum and possible interpretation of the vomitaria and stairs to the cave. Bomgardner page 76 Purpose built according to Bomgardner for "Venationes" (shows with animals) The floor of the arena had 46 trapdoors dedicatory inscriptions - 4 were recorded by Maiuri - each positioned on the main axial entrances inscriptions indicate that the monument was built after AD69 the cavea - groups of seating in the amphithatre and in this case they sprang from a deliberately levelled terrace the terrace rested on 72 radial walls maid walls built out of roman concrete, fine outer skin or reticolata, outer ends finished with testaceum eveness of these walls ensured by two brick levelling courses within each of these walls. The facade - the outer ends of the walls terminated in 72 stone piers - these formed the basis for the arches of the facade An arcaded gallery (c. 4m wide) comprised the ground floor and the first floor and the attic story finished the facade like the colosseum on the stone piers we find engaged columns that adorned the facade constructed from a stone core with applied st architectural fragments have been recovered that indicate that purpose built awning system was provided (bomgardner and maiuri) design principles - pozzuoli amphitheatre is remarkably similar to the verona am	ucco decoration

Images used for the Model	Sourced from	Used for:	Output
Zevi_scan.jpg plan_stad_Zevi.jpg Section_Humphrey.jpg STADIO.bmp stadium_domitian_plastico.jpg axon_stad_gros.jpg	Zevi 1993 Zevi 1993 Humphrey: Internet download Internet download Gros:	Digitising the plan of the Stadium Checking scaling of the stadium. Digitising the section of the Stadium Trying to understand the ends of the stadium through comparison Since the puteoli stadium is most of quotes as resembling that of Domitian for comparison Another stadium that Puteoli is compared to (reference)	Stadium.dwg ScaleRef.dwg sectiontest.dwg
lucido_01.tiff tavola_009.tiff tavola_0016.tiff img001.jpg + img002.jpg	SANC SANC SANC Gros	Digitising the plan of part of the horrea (here labelled) Warehouses 1 Digitising the plan of part of the horrea (here labelled) Warehouse 2 Digitising the plan of part of the horrea (here labelled) Warehouse 3 For the digitising of the elevation (based on the Horrea Aggrippiana These were stiched together in CAD	Warehouses1.dwg Warehouses2.dwg Warehouses3.dwg WH_Sec_Aggri_Divided.dwg + WH_Sec_Aggrippina.dwg WH_Sec_Partial.dwg

	GrossRef No. Ref No. Ninnesions Sommella gazzetteer Other references							
Monument type	CrossRef Na. Zevi	Ref No. Sommella	Dimensions	Sommella gazzetteer References (pages)	Other references	Notes on:		
						So far composed of 4 areas of which there is an isometric drawing that can be used for the reconstruction.		
Cistern	36	1		16, 17		oo ta composed of 4 dread of which there is an isometric drawing that can be used for the reconstitution.		
	38 43	11 14		27. 28				
	96	24		41. 42		The plan is most definitely more updated in Zevi's plan. In Sommella's map they are identified as uncertain structures but in Zevi's they are clearly linked to the		
	98 98	26 27		48. 49		piscina di Lusciano		
	65	36		58				
	87 94	38 42		61-64		Famous Piscina Cardito		
	87 219							
	70 75	48		72				
	260							
	262 155							
	245 73	49		72				
	110							
	193 65							
Horrea	28 48	3		18, 21				
	48 85	17.		34 37, 38				
	112							
Tabernae	40	5		10	i campi flegrei 1990: 126			
	42	10		21, 22	i campi flegrei 1990: 125	not really worth digitising		
	89 255	35		54	unpublished report	Hot really worth digitishing		
	261				unpublished report palatino 1826:35, pozzi 1982:382-383.			
					gialanella 1989:511, i campi flegrei 1990: 127			
	34 246				unpublished report			
Residential	39	6		19	gialanella sampaolo 1980-1:148	W 45		
	68 57	28		50 53	ASANC P. 19/14	pdf pq 45 Quite outside the reconstruction area. Pdf pq47		
	82 156	82		73		pdf pq67		
	224 194				patroni 1898:238-289 patroni 1898:238-289			
	37	. 4		19	i campi flegrei 1990:126 gialanella sampaolo 1980-1:154			
	202					So called Villa di cicerone		
Walls		2		19				
		7		19				
	50 51	8 9		20 20				
	60 67	18 29		36 51				
	100	30		51				
		32 33						
	90 93	40 41		60				
	77	51		73		Walls that are now in Zevi listed as a cryptoportico		
	79 117	52		73				
	223 257							
	259 69							
	72	55		74				
	76 157							
	160 244							
	41							
	111 192							
	206 210							
	2.10							
Roads	f	19 20		36 36				
	r i	45		68				
	i k							
	Ĭ.							
	g h							
	z a							
	b b							
	e d							
	e t							
Pathing C				20.22		Townia do Nettuno		
Bathing Complexes	44 91	23		29. 32		Tempio do Nettuno		
	99 197	43		65, 66, 67		Known as Bagno Orthodontico pdf pg 65 possibly related to the tempio di nettuno		
Tomples				0.00				
Temples	56 46	16		27 33 72				
	78	50		72		the capitolium		
Nimphaeum	54	12		26				
	88 218	-39		60		pdf page 60		
Vaulted Areas	64	22		39				
Vaulted Areas	95	25		43. 44. 45. 46. 47				
	85 222	21		37				
	74 114							
	211							
	212 239							

Molo	83	54	74	
Macellum	49	46	70, 71	
r topaonou./ Ampii	02.	54		see services to serve deed assume to serve assume the detailed destribution.
Republican Amph	62	34	54, 55, 56, 57	See sommella for some good isometric reconstructions and detailed description.
	201			
	207			
	200			
	113			
	52			
	248			
	247			
	237			
	45			

	Sector 3	Sector 4
rea	Amphitheatres and (area forense)	The Rione Terra and Port Buildings
ds ded rooms ded rooms ded rooms des of unknown use defined walls and terraced areas decta and Vaulted areas denominated areas denominated areas denominated areas denominated areas	31 - Residential buidings 32 - Walls 33 - Walls 34 - Amphitheatre (minor) 35 - Tabernae? 36 - Cistern 37 - Amphitheatre (Major) 38 - Cistern 39 - Nimphaeum 40 - Walls 41 - Walls 42 - Cistern (Piscina Cardito) 43 - Thermal complex 44 - Tomb 45 - Roads	46 - Macellum 47 - Colonnade 48 - Cistern and fountain 49 - Cistern and Cuniculum 50 - Temple 51 - Walls 52 - Walls 53 - Residential area and road 54 - Mole 55 - Walls of the acropolis 56 - Basins
the second	s ed rooms of unknown use mal installation ed walls and terraced areas ecta and Vaulted areas own areas rn Piscina di Lusciano	31 - Residential buidings 32 - Walls 33 - Walls 34 - Amphitheatre (minor) 35 - Tabernae? 36 - Cistern 37 - Amphitheatre (Major) 38 - Cistern 39 - Nimphaeum 40 - Walls 41 - Walls 42 - Cistern (Piscina Cardito) 43 - Thermal complex 44 - Tomb

No.		Type of remains	Initial Description or Identification	Association	Described Quantity/ Surviving remains	Material and/ or (opera type)	Material and/ or (opera type)	Material and/ or (opera type)	Commonly known as:	Date assigned
1	1 Via Campana	Colombari	Group		approx 100m	reticolata				
	2 Via Campana	Mausolea	Large			2 reticolata				
	3 Via San Vito	Colombari?				cement(?)				
	4 Via San Vito	Wall	Resembling colombarium			reticolata				
	118 Area Selva di Camiglione 119 Via Campana	Structures	Related to a sanctuary?			tufo laterizium				
	120 Area Selva di Camiglione	Colombarium Walls	A villa?			reticolata				
	121 Via Campana	Walls	A colombarium?		Nucleus	cement				
	122 Via Campana	Structures	A COlombanding		Nucleus	cement				
	123 Via Pietrarsa	Area	A funerary building?			Cernent				
	124 Via Pietrarsa	Area	Artanorary banding.			reticolata				
	125 Via San Vito	Mausoleum				reticolata	vitatum			
	126 Via San Vito	Wall	Belonging to a Mausoleum			mixed vitatum				
	127 Via Campiglione	Area	A building?			reticolata				
	128 Via Campana	Colombari			Group	reticolata	vitatum			
	129 Via Pietrarsa	Area	Colombarium?			reticolata				
ш,	266 Via Campana	Colombarium				reticolata				
2	5 Via San Vito	Structures	Colombari?			cement				
7	6 Via San Vito	Mausoleum	With rectangular base							
	7 Via San Vito	Areas .	Basis Villae?			reticolata				
	8 Via San Vito	Necropoli	Along the via Puteolis-Capuam		Stretch				Necropoli of San Vito	
	9 Via San Vito	Area	Building funerary in nature			reticolata	laterizia			
	10 Area Croce Campana	Area	Colombarium?			reticolata				
	130 Via Pietrarsa	Mausoleum	of the gens calpurnia			reticolata				
	131 Via San Vito	Cistern				reticolata				
	132 Via San Vito	Areas	Martin and a second a second and a second and a second and a second and a second an			reticolata			05 0 151-	
	133 Via San Vito 134 Via San Vito	Mausoleum	With rectangular base			laterizium			Of San Vito	1
		Tabernae Walls	Terraced			reticolata reticolata				
	135 Via Campana 136 Via San Vito	Colombarium	Terraced			reticolata				
	137 Via San Vito	area	Vaulted, colombari?			reticolata				
	138 Via San Vito	Areas	Colombari ?			reticolata				
	138 Via San Vito 139 Area Croce Campana	Areas	Vaulted, colombari?		Series	redcolata				
	140 Area Croce Campana	Areas	Tabernae?		Selles	reticolata	vitatum			
	141 Area Croce Campana	Colombari	Cut by the railway line		Group	reticolata	Vitatuiii			
	243 Via Campana	Strcutures	Colombari?		Gloup	reticolata	vitatum			
	267 Via San Vito	Mausoleum	Colomban			reticolata	Vitataiii			
	142 Via Vecchia Luciano	Structures		abutting the Via Domitiana	Partially interred	reticolata				
	229 Via Vecchia Luciano	Structures		abutting the Via Domitiana	Partially interred	reticolata	cementata			
4	230 Via Vecchia Luciano	Structures		abutting the Via Domitiana	Partially interred	cementata				
4	11 Via Vecchia Campana	Colombari	Hypogea	decorated		stucco			Del fondo Caiazzo	Vespasian date
	12 Via Vecchia Campana	Cistern	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			reticolata	laterizia			
	13 Via Campana	Area	Unknown function			reticolata	vittata			
	143 Via Vecchia Campana	Colombari	Hypogea	with rich decoration		stucco	painting			
	144 Via Fascione	Structures	Possibly belonging to a villa			reticolata				
	145 Via Vecchia Campana	Structure	colombari?			reticolata				
	146 Via Vicinale M.te Barbaro	Colombarium		circular plan and cupola cover		reticolata				
	147 Via Vicinale M.te Barbaro	Strcutures	Cisterns (?)			3 reticolata				
	148 Via Vecchia Campana	Areas	Funerary, Underground							
	149 Via Vecchia Campana	Colombarium	Circular							
	150 Via Vecchia Campana	Walls			Nucleus	cement				
	151 Strada Vicinale Cigliano	Area	A well			reticolata				
	152 Via Vecchia Campana	Mausolea				2 mixed vittata	Painted			
	153 Via Vecchia Campana	Walls	Colombarium?		Nucleus	calcestruzzo				
	154 Strada Vicinale Cigliano	Wall				reticolata				
	231 Via Vecchia Campana	Areas	Underground: Hypogea or cistems	l	_	reticolata				
	240 Strada Vicinale Cigliano	Structures	Onland of the O	along the escarpment	Traces	reticolata				
	241 Via Vecchia Campana	Area	Colombarium?			reticolata				
	242 Via Vecchia Campana	Colombari	Underground			reticolata				
	268 Via Vecchia Campana 269 Via San Vito	Structures Buildings	Resembling funerary remains	traces of decorations		painted				
	Loc. Via Vecchia Campana	Road,		diversion of the Via Puetolis-Capuam	Stretch	basalt				
5	14 Via Domitiana	Stadium	<u> </u>	uiversion of the via nuctoris-capuditi	Strettin	Dasait				Antonine age
	155 Via Domitiana	Cistern			Large	vittata				, antonino age
	156 Via Domitiana	Building (1)			120.90	reticolata				
			I	I .	1	reticolata				
	157 Via Domitiana	Wall (1)	1		Length		1	1	1	1
	157 Via Domitiana 158 Via Domitiana	Wall (1)	Undergound		Length		stucco decoration			
	158 Via Domitiana	Wall (1) Colombari	Undergound		Length	reticolata	stucco decoration reticolata	stucco decoation		
	158 Via Domitiana 159 Via Domitiana	Wall (1)	Undergound			reticolata 3 vittata	stucco decoration reticolata	stucco decoation		
	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana	Wall (1) Colombari Colombari (1) Wall			Short stretch	reticolata 3 vittata reticolata		stucco decoation		
	158 Via Domitiana 159 Via Domitiana	Wall (1) Colombari Colombari (1)	Undergound Residential nature?	related to cistern n 155 ;		reticolata 3 vittata		stucco decoation		
	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Domitiana	Wall (1) Colombari Colombari (1) Wall Areas Area		related to cistern n 155 ;	Short stretch	reticolata 3 vittata reticolata reticolata		stucco decoation		
	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Domitiana 233 Via Luciano 234 Via Domitiana	Wall (1) Colombari Colombari (1) Wall Areas		related to cistern n 155 ;	Short stretch	reticolata 3 vittata reticolata reticolata reticolata mixed building styles		stucco decoation		
	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Domitiana 233 Via Luciano	Wall (1) Colombari Colombari (1) Wall Areas Area Area	Residential nature?	related to cistern n 155 ;	Short stretch	reticolata 3 vittata reticolata reticolata mixed building styles reticolata		stucco decoation		
	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Domitiana 233 Via Luciano 234 Via Domitiana 244 Via Domitiana 245 Loc. Via Luciano	Wall (1) Colombari Colombari (1) Wall Areas Area Area Area	Residential nature?		Short stretch Complex Stretch	reticolata 3 vittata reticolata reticolata reticolata mixed building styles reticolata vittatum		stucco decoation		
245	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Domitiana 233 Via Luciano 234 Via Domitiana 244 Via Domitiana 245 Loc. Via Luciano 5a Via Luciano	Wall (1) Colombari Colombari (1) Wall Areas Area Area Area Wall (1)	Residential nature?	related to cistern n 155 ; of the Via Domitiana	Short stretch Complex	reticolata 3 vittata reticolata reticolata mixed building styles reticolata vittatum vittata		stucco decoation		
	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Domitiana 233 Via Luciano 234 Via Domitiana 244 Via Domitiana 245 Loc. Via Luciano 55 Via Luciano 56 Via Luciano 57 Via Luciano 58 Via Luciano 58 Via Luciano 59 Via Luciano 59 Via Luciano 50 Via Luciano	Wall (1) Colombari Colombari (1) Wall Areas Area Area Wall (1) Cisterns Road Road	Residential nature?		Short stretch Complex Stretch	reticolata 3 vittata reticolata reticolata reticolata mixed building styles reticolata vittatum vittata 3 reticolata		stucco decoation		
245	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Domitiana 233 Via Luciano 234 Via Domitiana 244 Via Domitiana 245 Loc. Via Luciano 55 Via Luciano 14 Via Domitiana	Wall (1) Colombari Colombari (1) Wall Areas Area Area Wall (1) Cisterns Road	Residential nature? Colombarium?	of the Via Domitiana of the Via Domitiana	Short stretch Complex Stretch	reticolata 3 vittata reticolata reticolata reticolata mixed building styles reticolata vittatum vittata 3 reticolata basalt		stucco decoation		Antonine age
245	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Domitiana 233 Via Luciano 234 Via Domitiana 244 Via Domitiana 245 Loc. Via Luciano 250 Via Luciano 14 Via Domitiana 15 Via Luciano 16 Via Luciano 17 Via Luciano 18 Via Luciano 19 Via Luciano 19 Via Luciano 10 Via Luciano 11 Via Luciano 12 Via Luciano 13 Via Luciano	Wall (1) Colombari Colombari (1) Wall Areas Area Area Wall (1) Cisterns Road Road Stadium Cryptoportici	Residential nature?	of the Via Domitiana of the Via Domitiana belonging to basis of a suburban villa	Short stretch Complex Stretch Stretch Stretch	reticolata 3 vittata reticolata reticolata reticolata mixed building styles reticolata vittatum vittata 3 reticolata basalt basalt 2 quasi reticolata		stucco decoation		Antonine age
245	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Luciano 234 Via Domitiana 244 Via Domitiana 245 Loc. Via Luciano 55 Via Luciano 14 Via Domitiana 14 Via Domitiana 15 Via Luciano 16 Via Luciano 17 Via Luciano 18 Via Luciano 19 Via Luciano	Wall (1) Colombari Colombari (1) Wall Areas Area Area Wall (1) Cisterns Road Road Stadium Cryptoportici Cryptoportico	Residential nature? Colombarium?	of the Via Domitiana of the Via Domitiana belonging to basis of a suburban villa belonging to villa in n. 15	Short stretch Complex Stretch Stretch Stretch	reticolata 3 vittata reticolata reticolata reticolata mixed building styles reticolata vittatum vittata 3 reticolata basalt basalt 2 quasi reticolata reticolata		stucco decoation		Antonine age
245	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Domitiana 233 Via Luciano 234 Via Domitiana 244 Via Domitiana 245 Loc. Via Luciano 256 Via Luciano 257 Via Luciano 258 Via Luciano 259 Via Luciano 250 Via Luciano 251 Via Luciano 252 Via Luciano 253 Via Luciano 254 Via Luciano 255 Via Luciano 256 Via Luciano 257 Via Luciano 258 Via Luciano 259 Via Luciano 250 Via Luciano 250 Via Luciano 251 Via Luciano 252 Via Luciano 253 Via Luciano 254 Via Luciano 255 Via Luciano 256 Via Luciano 257 Via Luciano 257 Via Luciano 258 Via Luciano 258 Via Luciano 258 Via Luciano 258 Via Luciano 259 Via Luciano 250 Via Luciano 251 Via Luciano 252 Via Luciano 253 Via Luciano 254 Via Luciano 255 Via Luciano 256 Via Luciano 257 Via Luciano 258 Via Luciano 258 Via Luciano 259 Via Luciano 250 Via Luciano 250 Via Luciano 250 Via Luciano 250 Via Luciano 251 Via Luciano 252 Via Luciano 253 Via Luciano 254 Via Luciano 255 Via Luciano 256 Via Luciano 257 Via Luciano 258 Via Luciano 258 Via Luciano 258 Via Luciano 259 Via Luciano 250 Via Luciano 250 Via Luciano 250 Via Luciano 251 Via Luciano 252 Via Luciano 253 Via Luciano 254 Via Luciano 255 Via Luciano 257 Via Luciano 258 Via Luciano 258 Via Luciano 259 Via Luciano 250 Via Luciano 250 Via Luciano 250 Via Luciano 250 Via Luciano 251 Via Luciano 252 Via Luciano 253 Via Luciano 254 Via Luciano 255 Via Luciano 256 Via Luciano 257 Via Luciano 257 Via Luciano 258 Via Luciano 258 Via Luciano 259 Via Luciano 250 V	Wall (1) Colombari Colombari (1) Wall Areas Area Area Area Area Stadium Cryptoportici Cryptoportico Area Area	Residential nature? Colombarium? Paralell	of the Via Domitiana of the Via Domitiana belonging to basis of a suburban villa	Short stretch Complex Stretch Stretch Stretch	reticolata 3 vittata reticolata reticolata reticolata mixed building styles reticolata vittatum vittata 3 reticolata basalt basalt 2 quasi reticolata		stucco decoation		Antonine age
245	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Domitiana 233 Via Luciano 234 Via Domitiana 244 Via Domitiana 245 Loc. Via Luciano 256 Via Luciano 150 Via Luciano 160 Via Luciano 170 Via Luciano 180 Via Luciano 190 V	Wall (1) Colombari Colombari (1) Wall Areas Area Area Area Wall (1) Cisterns Road Road Stadium Cryptoportici Cryptoportico Area Area Area	Residential nature? Colombarium?	of the Via Domitiana of the Via Domitiana belonging to basis of a suburban villa belonging to villa in n. 15	Short stretch Complex Stretch Stretch Stretch	reticolata 3 vittata reticolata reticolata reticolata reticolata mixed building styles reticolata vittatum vittata 3 reticolata basalt basalt 2 quasi reticolata reticolata quasi reticolata		stucco decoation		Antonine age
245	158 Via Domitiana 159 Via Domitiana 159 Via Domitiana 224 Via Domitiana 232 Via Domitiana 233 Via Luciano 234 Via Domitiana 244 Via Domitiana 245 Loc. Via Luciano 5a Via Luciano 5b Via Luciano 11 Via Domitiana 15 Via Luciano 16 Via Luciano 17 Via Luciano 17 Via Luciano 18 Via Luciano 18 Via Luciano 19 Via Luciano 19 Via Luciano	Wall (1) Colombari Colombari (1) Wall Areas Area Area Area Wall (1) Cisterns Road Road Stadium Cryptoportici Cryptoportico Area Area Area Area	Residential nature? Colombarium? Paralell	of the Via Domitiana of the Via Domitiana belonging to basis of a suburban villa belonging to villa in n. 15	Short stretch Complex Stretch Stretch Stretch	reticolata 3 vittata reticolata reticolata reticolata mixed building styles reticolata vittatum vittata 3 reticolata basalt basalt 2 quasi reticolata reticolata quasi reticolata vittata		stucco decoation		Antonine age
245	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Domitiana 233 Via Luciano 234 Via Domitiana 244 Via Domitiana 245 Loc. Via Luciano 250 Via Luciano 261 Via Luciano 270 Via Luciano 282 Via Luciano 283 Via Luciano 294 Via Luciano 295 Via Luciano 296 Via Luciano 296 Via Luciano 297 Via Luciano 298 Via Luciano 298 Via Luciano 299 Via Luciano 290 Via Luciano 290 Via Luciano 200 V	Wall (1) Colombari Colombari (1) Wall Areas Area Area Area Wall (1) Cisterns Road Road Stadium Cryptoportici Cryptoportico Area Areas Area Area Area Area	Residential nature? Colombarium? Paralell	of the Via Domitiana of the Via Domitiana belonging to basis of a suburban villa belonging to villa in n. 15	Short stretch Complex Stretch Stretch Stretch	reticolata 3 vittata reticolata reticolata reticolata reticolata mixed building styles reticolata vittatum vittata 3 reticolata basalt basalt 2 quasi reticolata reticolata quasi reticolata vittata vittata 3 reticolata reticolata quasi reticolata vittata	reticolata	stucco decoation		Antonine age
245	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Luciano 234 Via Domitiana 245 Via Domitiana 246 Via Domitiana 247 Via Domitiana 247 Via Domitiana 248 Loc. Via Luciano 250 Via Luciano 260 Via Luciano 270 Via Luciano 281 Via Luciano 282 Via Luciano 283 Via Luciano 284 Via Domitiana 285 Via Luciano 285 Via Luciano 286 Via Luciano 287 Via Luciano 287 Via Luciano 288 Via Luciano 298 Via Luciano 299 Via Luciano 219 Via Luciano 210 Via Luciano	Wall (1) Colombari Colombari (1) Wall Areas Area Area Area Wall (1) Cisterns Road Road Stadium Cryptoportici Cryptoportico Area Area Area Area Area Area Area Area	Residential nature? Colombarium? Paralell Thermal function	of the Via Domitiana of the Via Domitiana belonging to basis of a suburban villa belonging to villa in n. 15 belonging to villa n.15 belonging to a suburban villa	Short stretch Complex Stretch Stretch Stretch Complex	reticolata 3 vittata reticolata reticolata reticolata mixed building styles reticolata vittatum vittata 3 reticolata basalt basalt 2 quasi reticolata reticolata quasi reticolata vittata		stucco decoation		Antonine age
245	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Domitiana 233 Via Luciano 234 Via Domitiana 244 Via Domitiana 245 Loc. Via Luciano 55 Via Luciano 17 Via Luciano 18 Via Luciano 19 Via Luciano 11 Via Luciano 11 Via Luciano 12 Via Luciano 13 Via Luciano 14 Via Luciano 15 Via Luciano 16 Via Luciano 17 Via Luciano 18 Via Luciano 18 Via Luciano 19 Via Luciano 20 Via Luciano 20 Via Luciano 21 Prima Traversa Luciano 22 Prima Traversa Luciano	Wall (1) Colombari Colombari Colombari (1) Wall Areas Area Area Area Wall (1) Cisterns Road Road Stadium Cryptoportici Cryptoportico Area Area Area Area Area Area Area Area	Residential nature? Colombarium? Paralell Thermal function No longer accessible	of the Via Domitiana of the Via Domitiana belonging to basis of a suburban villa belonging to villa in n. 15 belonging to villa n.15	Short stretch Complex Stretch Stretch Stretch Complex Complex	reticolata 3 vittata reticolata reticolata reticolata mixed building styles reticolata vittatum vittata 3 reticolata basalt basalt 2 quasi reticolata reticolata quasi reticolata vittata vittata vittata diaterizia	reticolata	stucco decoation		Antonine age
245	158 Via Domitiana 159 Via Domitiana 160 Via Domitiana 224 Via Domitiana 232 Via Luciano 234 Via Domitiana 245 Via Domitiana 246 Via Domitiana 247 Via Domitiana 247 Via Domitiana 248 Loc. Via Luciano 250 Via Luciano 260 Via Luciano 270 Via Luciano 281 Via Luciano 282 Via Luciano 283 Via Luciano 284 Via Domitiana 285 Via Luciano 285 Via Luciano 286 Via Luciano 287 Via Luciano 287 Via Luciano 288 Via Luciano 298 Via Luciano 299 Via Luciano 219 Via Luciano 210 Via Luciano	Wall (1) Colombari Colombari (1) Wall Areas Area Area Area Wall (1) Cisterns Road Road Stadium Cryptoportici Cryptoportico Area Area Area Area Area Area Area Area	Residential nature? Colombarium? Paralell Thermal function	of the Via Domitiana of the Via Domitiana belonging to basis of a suburban villa belonging to villa in n. 15 belonging to villa n.15 belonging to a suburban villa	Short stretch Complex Stretch Stretch Stretch Complex	reticolata 3 vittata reticolata reticolata reticolata reticolata mixed building styles reticolata vittatum vittata 3 reticolata basalt basalt 2 quasi reticolata reticolata quasi reticolata vittata vittata 3 reticolata reticolata quasi reticolata vittata	reticolata	stucco decoation		Antonine age

		26 Via Celle	Necropolis	Monumental	along the via puetolis-capuam	Part	1	1	1	Necropolis of Via Celle	1
		27 Via Luciano	Areas	Tabernae?	along the via pactone capaciti	l' dit	reticolata			Treer opens of the cone	
		28 Via Campana	Horrea	Tabolitae :		1	reticolata				
		29 Via Campana	Walls			1					
				*-#		1	quasi reticolata				0-4040
		101 Via Campi Flegrei	Tombs	*alla cappuccina* and *enchytrismos* .		1		l	l		2nd C AD
		102 Via Luciano	Wall			I	reticolata	laterizia	mista		
		161 Prima Traversa Luciano	Structure				reticolata		1		
		162 Via Vicinale Cigliano	Wall			Stretch	reticolata				
		163 Via Vicinale Cigliano	Areas			1	2 entirely plastered				
		164 Via Vecchia Campana	Area	Colombario?			reticolata		1		
		165 Via Vecchia Campana	Cistern	Areas	vaulted	1			1		
		166 Via Vecchia Campana	Wall	Alcas	Vadited	Stretch	vittata		1		
				MULTI- toward of a sintered of a constitute					1		
		167 Via Vecchia Campana	Areas	With traces of painted decoration,		Series	reticolata	vittata	1		
		168 Via Vecchia Campana	Wall			Stretch	reticolata.				
		169 Via Vecchia Campana	Wall			Stretch	reticolata.		1		
		170 Via Campana P.co Pisano	Cistern			1	reticolata				
		171 Area Croce Campana	Fragments	Architectural and scupltural	a base of pabonensis	1					
		172 Via Luciano	Structure	Walled		1	reticolata	vittata mista	1		
		173 Via Campana P.co Pisano	Ceramic materials	Unidentifiable		1	1011001010	Tittata Titlota	1		1st - 3rd C AD
		174 Via Campana P.co Pisano	Wall	Officerunable		Post	reticolata		1		I I SI C AD
						Part					
	_	225 Via Campana P.co Pisano	Cistern			L .	reticolata		1		
		227 Via Luciano	Wall			Part	vittata		1		
	0.	Via Campana	Road		diverging from the Via Puteolis-Capuam.	Part	basalt				
	u.	Via Vecchia Campana	Road		belonging to the Puteoils-Capuam	Part	basalt				
	V.	Prima Traversa Luciano	Road		diverging from the Via Domitiana	Part	basalt				
	7	26 Via Celle	Necropolis	Monumental	along the Via Puteolis- Capuam	Part				The necropolis o Via Celle	
		30 Loc. Cigliano	Structures			I	reticolata			la cono	
		31 Loc. Cigliano	Structures				reticolata			1	
		103 Loc. Cigliano		Suburban regidential		Compley		Littata	latarizia	1	
			Area	Suburban residential		Complex	reticolata,	vittata	laterizia	1	
		104 Loc. Cigliano	Colombarium				opera reticolata	1		1	
		105 Loc. Cigliano	Cistern (1)			[reticolata			1	
		106 Loc. Cigliano	Walls			Nucleus	cemetizia	1		1	
		107 Via Cupa Cigliano	Colombari			Group	reticolata			1	
		108 Via Cupa Cigliano	Wall			Ι΄.	reticolata			1	
		175 Loc. Cigliano	Cistern	With cruciform vaults;		1	mixta		1	1	
		176 Loc. Cigliano	Cistern	With craciforn vaults,	probably belonging to the complex n. 103	1	reticolata				
					probably belonging to the complex ii. 103	1					
		177 Loc. Cigliano	Cistern				reticolata		1		
		178 Loc. Cigliano	Cisterns			Series	reticolata	vittata	1		
		179 Loc. Cigliano	Colombari (1)			1	reticolata	stucco decoration			
		180 Loc. Cigliano	Cistern			1	reticolata				
		181 Via Vicinale Cigliano	Colombarium			1	reticolata		1		
		182 Via Vicinale Cigliano	Colombarium			1	reticolata		1		
		183 Via Vicinale Cigliano	Colombarium	On many levels		Large	reticolata		1		
		184 Via Cupa Cigliano	Cistern	On many levels		Laige	reticolata	vittata			
						la		VILLALA	1		
		185 Via Vecchia delle Vigne	Wall			Part	reticolata		1		
		186 Via Vecchia delle Vigne	Wall			Part	reticolata				
		187 Via Cupa Cigliano									
		107 Via Cupa Cigilario	Cistern				reticolata	1			
				Emerging		Nucleus					
		188 Via Cupa Cigliano	Walls	Emerging		Nucleus	cementizia				
		188 Via Cupa Cigliano 189 Via Cupa Cigliano	Walls Walls	Emerging Emerging		Nucleus Nucleus	cementizia cementizia				
		188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano	Walls Walls Areas			Nucleus	cementizia cementizia reticolata				
		188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano	Walls Walls Areas Walls			Nucleus Nucleus	cementizia cementizia reticolata cementizia				
	t.	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano Via Cupa Cigliano	Walls Walls Areas Walls Road			Nucleus	cementizia cementizia reticolata				
	t.	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano Via Cupa Cigliano	Walls Walls Areas Walls Road			Nucleus Nucleus	cementizia cementizia reticolata cementizia basalt	r .			
	t. 8	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano Via Cupa Cigliano 0 n/≜ 32 Vallone Cordiglia	Walls Walls Areas Walls Road	Emerging		Nucleus Nucleus	cementizia cementizia reticolata cementizia				
	t. 8	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano Via Cupa Cigliano	Walls Walls Areas Walls Road			Nucleus Nucleus	cementizia cementizia reticolata cementizia basalt			Statio dei Tirii	
	t. 8	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano Via Cupa Cigliano 0 n/≜ 32 Vallone Cordiglia	Walls Walls Areas Walls Road	Emerging		Nucleus Nucleus	cementizia cementizia reticolata cementizia basalt			Statio dei Tirii	Late Imperial
	t. 8	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano Via Cupa Cigliano 0 nvia 32 Vallone Cordiglia 33 Via Celle 34 Via Luciano	Walls Walls Areas Walls Road IVIA Area Building	Emerging		Nucleus Nucleus Stretch	cementizia cementizia reticolata cementizia basalt	laterizia		Statio dei Tirii	Late Imperial
	t.	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano Via Cupa Cigliano 0 n/4 32 Vallone Cordiglia 33 Via Celle 34 Via Luciano 35 P.co Cordiglia	Walls Walls Areas Walls Road III/a Area Building Tabernae Area	Emerging	belonging to the residential complex no 40	Nucleus Nucleus Stretch	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata	laterizia		Statio dei Tirii	Late Imperial
	t.	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano via Cupa Cigliano 10 nt/d 22 Vallone Cordiglia 33 Via Celle 34 Via Luciano 35 P.co Cordiglia 36 Via Terraccino	Walls Walls Areas Walls Road IIVa Area Building Tabernae Area Cisterns	Emerging	belonging to the residential complex no 40 belonging to 2 complexes of residential function	Nucleus Nucleus Stretch	cementizia cementizia reticolata cementizia basalt reticolata	laterizia			Late Imperial
	t.	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano Via Cupa Cigliano 10 Int/å 32 Vallone Cordiglia 33 Via Celle 34 Via Luciano 35 P.co Cordiglia 36 Via Terraccino 37 Vallone Cordiglia	Walls Walls Areas Walls Road IIVA Area Building Tabernae Area Cisterns Structures	Emerging	belonging to the residential complex no 40 belonging to 2 complexes of residential function	Nucleus Nucleus Stretch	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata			Statio dei Tirii The Villa of Cicero	Late Imperial
	t. 8	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano 230 Inva 32 Vallone Cordiglia 33 Via Celle 34 Via Luciano 35 P.co Cordiglia 36 Via Terraccino 37 Vallone Cordiglia 38 Via Domitiana	Walls Walls Areas Walls Road III/A Area Building Tabernae Area Cisterns Structures Cistern	Emerging	belonging to 2 complexes of residential function	Nucleus Nucleus Stretch	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata	laterizia reticolata			Late Imperial
	t.	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano via Cupa Cigliano 0 It/≜ 32 Vallone Cordiglia 33 Via Celle 34 Via Luciano 35 P.co Cordiglia 36 Via Terraccino 37 Vallone Cordiglia 38 Via Domittiana 39 Via Terracciano	Walls Walls Areas Walls Road IIVa Area Building Tabernae Area Cisterns Structures Cistern Wall	Emerging	belonging to 2 complexes of residential function belonging to a habitation	Nucleus Nucleus Stretch	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia	reticolata			Late Imperial
	t.	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano via Cupa Cigliano 10 nt/d 22 Vallone Cordiglia 33 Via Celle 34 Via Luciano 35 P.co Cordiglia 36 Via Terraccino 37 Vallone Cordiglia 38 Via Domitliana 39 Via Terracciano 40 Via Terracciano	Walls Walls Areas Walls Road IMA Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae	Emerging	belonging to 2 complexes of residential function	Nucleus Nucleus Stretch Complex	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia	reticolata reticolata			Late Imperial
	t. B	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano 236 Via Cupa Cigliano 237 Vallone Cordiglia 230 Via Celle 237 Via Celle 24 Via Luciano 25 P.co Cordiglia 26 Via Terraccino 27 Vallone Cordiglia 28 Via Domitiana 29 Via Terracciano 20 Via Terracciano 21 Vallone Mandria	Walls Walls Areas Walls Road IIIA Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Wall	Emerging	belonging to 2 complexes of residential function belonging to a habitation	Nucleus Nucleus Stretch	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia mixed laterizia	reticolata reticolata reticolata			Late Imperial
Mes	t.	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano via Cupa Cigliano 0 In/≜ 32 Vallone Cordiglia 33 Via Celle 34 Via Luciano 35 P.co Cordiglia 36 Via Terraccino 37 Vallone Cordiglia 38 Via Domitiana 39 Via Terracciano 40 Via Terracciano 41 Vallone Mandria 42 Via Terraccino	Walls Walls Areas Walls Road IIVa Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Wall Tabernae	Emerging	belonging to 2 complexes of residential function belonging to a habitation	Nucleus Nucleus Stretch Complex	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia painted decorations	reticolata reticolata			Late Imperial
	t. B	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano 236 Via Cupa Cigliano 237 Via Cupa Cigliano 238 Vallone Cordiglia 249 Via Luciano 25 P.co Cordiglia 260 Via Terraccino 270 Vallone Cordiglia 280 Via Terracciano 291 Via Terracciano 292 Via Terracciano 293 Via Terracciano 294 Via Terracciano 295 Via Terracciano 296 Via Terracciano 297 Via Terracciano 297 Via Terracciano 298 Via Terracciano 298 Via Terracciano 299 Via Terracciano 299 Via Terracciano 299 Via Terracciano 299 Via Terracciano 290 Via Via Terracciano 290 Via Via Terracciano 290 Via Via Terracciano 290 Via Via Via Terracciano 290 Via	Walls Walls Areas Walls Road IMa Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Wall Tabernae Cisterns Cisterns	Emerging With portico	belonging to 2 complexes of residential function belonging to a habitation	Nucleus Nucleus Stretch Complex Stretch	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia mixed laterizia	reticolata reticolata reticolata		The Villa of Cicero	
	t.	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano 236 Via Cupa Cigliano 237 Via Cupa Cigliano 238 Via Celle 239 Via Luciano 240 Via Terraccino 250 Via Terracciano 270 Via Terracciano 280 Via Terracciano 291 Via Terracciano 292 Via Terracciano 293 Via Terracciano 294 Via Terracciano 295 Via Terracciano 296 Via Terracciano 297 Via Terracciano 298 Via Terracciano 298 Via Terracciano 299 Via Terracciano 299 Via Terracciano 299 Via Terracciano 290 Via Terracciano	Walls Walls Areas Walls Road IIII Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Wall Tabernae Cisterns Areas	Emerging With portico Thermal	belonging to 2 complexes of residential function belonging to a habitation	Nucleus Nucleus Stretch Complex Stretch Comlpex	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia painted decorations	reticolata reticolata reticolata			Late Imperial Hadrianic age
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	t.	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano 236 Via Cupa Cigliano 237 Via Cupa Cigliano 238 Via Celle 239 Via Celle 240 Via Luciano 250 Via Terraccino 270 Vallone Cordiglia 280 Via Terracciano 290 Via Via Terracciano 290 Via Via Terracciano 290 Via Via Via Terracciano 290 Via	Walls Walls Areas Walls Road III/a Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Wall Tabernae Area Cistern Wall Tabernae Cisterns Areas Areas Femple Structures Horrea	Emerging With portico Thermal	belonging to 2 complexes of residential function belonging to a habitation belonging to a residential complex nos. 36, 193, 194	Nucleus Nucleus Stretch Complex Stretch Comlpex Series	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia mixed laterizia painted decorations quasi reticolata incerta	reticolata reticolata reticolata		The Villa of Cicero Temple of Neptune	
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	t.	188 Via Cupa Cigliano 189 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano 236 Via Cupa Cigliano 237 Via Celle 238 Via Celle 239 Via Luciano 230 Via Terraccino 240 Via Terracciano 241 Via Terracciano 242 Via Terracciano 243 Via Terracciano 244 Via Terracciano 254 Via Terracciano 265 Via Terracciano 275 Via Terracciano 276 Via Terracciano 277 Via Terracciano 277 Via Terracciano 278 Via Terracciano 279 Via Terracciano 280 Via Terracciano 290 Via Terracciano 291 Via Terracciano 292 Via Terracciano 293 Via Terracciano 294 Via Terracciano 295 Via Terracciano 295 Via Terracciano 296 Via Terracciano 297 Via Terracciano 297 Via Terracciano 298 Via Terracciano 298 Via Terracciano 299 Via Serapide 2099 Loc. Celle	Walls Walls Areas Walls Road IIII Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Wall Tabernae Cisterns Structures Cisterns Fructures Cisterns Areas Frenple Structures Horrea Macellum Structures	Emerging With portico Thermal	belonging to 2 complexes of residential function belonging to a habitation belonging to a residential complex nos. 36, 193, 194	Nucleus Nucleus Stretch Complex Stretch Comlpex Series	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia painted decorations quasi reticolata incerta laterizia mixed laterizia reticolata reticolata	reticolata reticolata reticolata graffiti inscriptions		The Villa of Cicero Temple of Neptune	
	t. 8	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano 236 Via Cupa Cigliano 237 Via Cupa Cigliano 238 Via Celle 239 Via Luciano 240 Via Luciano 250 P.co Cordiglia 260 Via Terraccino 270 Vallone Cordiglia 280 Via Terracciano 290 Via Terracciano 290 Via Terracciano 290 Via Terracciano 291 Via Ilone Mandria 290 Via Terracciano 291 Via Via Terracciano 292 Via Via Cipa Mandria 293 Via Terracciano 294 Via Terracciano 295 Via Via Miliscola 296 Via Oberdan 297 Via Miliscola 298 Via Pergolesi 299 Via Serapide 299 Loc. Celle 2010 Via Terracciano	Walls Walls Areas Walls Road III/III Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Wall Tabernae Siterns Wall Tabernae Siterns Wall Tabernae Cisterns Areas Areas Areas Areas Areas Temple Structures Horrea Macellum Structures Cistern	Emerging With portico Thermal Vaulted	belonging to 2 complexes of residential function belonging to a habitation belonging to a residential complex nos. 36, 193, 194	Nucleus Nucleus Stretch Complex Stretch Comlpex Series	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia painted decorations quasi reticolata incerta laterizia mixed laterizia reticolata reticolata reticolata reticolata reticolata	reticolata reticolata reticolata graffiti inscriptions reticolata		The Villa of Cicero Temple of Neptune	
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	t. B	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 228 Loc. Cigliano 35 Via Cupa Cigliano 1 n/a 32 Vallone Cordiglia 33 Via Celle 34 Via Luciano 35 P.co Cordiglia 36 Via Terraccino 7 Vallone Cordiglia 38 Via Domitiana 39 Via Terracciano 40 Via Terracciano 41 Vallone Mandria 42 Via Terracciano 43 Vallone Mandria 44 Via Terracciano 45 Vallone Mandria 46 Via Oberdan 47 Via Miliscola 48 Via Pergolesi 49 Via Serapide 100 C. Celle 110 Via Pergolesi 111 Via Sacchini	Walls Walls Areas Walls Road IIII Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Wall Tabernae Wall Tabernae Fisterns Areas Temple Structures Horrea Macellum Structures Cistern Remains Horrea	Emerging With portico Thermal Vaulted	belonging to 2 complexes of residential function belonging to a habitation belonging to a residential complex nos. 36, 193, 194	Nucleus Nucleus Stretch Complex Stretch Comlpex Series	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia mixed laterizia painted decorations quasi reticolata incerta laterizia mixed laterizia reticolata reticolata reticolata reticolata reticolata reticolata reticolata reticolata	reticolata reticolata reticolata graffiti inscriptions reticolata vittata		The Villa of Cicero Temple of Neptune	
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	t. B	188 Via Cupa Cigliano 189 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano 236 Via Cupa Cigliano 237 Via Celle 238 Via Celle 239 Via Luciano 230 Via Terraccino 240 Via Terracciano 250 Via Terracciano 261 Via Terracciano 271 Vallone Mandria 272 Via Terracciano 273 Vallone Mandria 274 Via Terracciano 275 Vallone Mandria 275 Via Terracciano 276 Via Terracciano 277 Via Milliscola 277 Via Milliscola 278 Via Serapide 279 Via Serapide 280 Via Serapide 291 Via Serapide 291 Via Celle 292 Via Celle 293 Loc. Celle 294 Via Celle 295 Via Celle 296 Via Celle 297 Via Celle 298 Via Celle 299 Via Celle	Walls Walls Walls Areas Walls Road III/III Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Wall Tabernae Structures Cisterns Structures Cisterns Areas Areas Areas Areas Areas Areas Horrea Macellum Structures Cistern Remains Horrea Area Area Wall Cistern	Emerging With portico Thermal Vaulted	belonging to 2 complexes of residential function belonging to a habitation belonging to a residential complex nos. 36, 193, 194 of the Ripa Putelana (Vicus Lartidianus)	Nucleus Nucleus Stretch Complex Stretch Complex Stretch Stretch Comlpex Series Small	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia painted decorations quasi reticolata incerta laterizia mixed laterizia reticolata	reticolata reticolata reticolata graffiti inscriptions reticolata vittata mixtum		The Villa of Cicero Temple of Neptune	
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	t. 8	188 Via Cupa Cigliano 189 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano 236 Via Cupa Cigliano 237 Via Cupa Cordiglia 23 Via Celle 238 Via Luciano 249 Via Luciano 250 P.co Cordiglia 261 Via Terraccino 271 Vallone Cordiglia 272 Via Domitiana 273 Via Demitiana 274 Via Terracciano 275 Via Terracciano 276 Via Terracciano 277 Via Milliscola 277 Via Milliscola 278 Via Pergolesi 279 Via Serapide 280 Via Terracciano 281 Via Pergolesi 282 Via Serapide 283 Via Serapide 284 Via Celle 285 Via Celle 285 Via Celle 285 Via Celle 286 Via Celle 287 Via Celle 288 Via Celle 289 Via Celle 291 Via Celle 292 Via Celle 293 Loc. Celle 294 Via Terracciano 295 Via Terracciano 297 Via Celle 298 Via Celle 299 Via Celle 299 Via Celle 299 Via Terracciano 297 Via Terracciano 297 Via Terracciano 298 Via Terracciano 298 Via Terracciano 299 Via Terracciano 299 Via Terracciano 290 Via Terracciano	Walls Walls Walls Areas Walls Road IIII Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Wall Tabernae Cisterns Structures Cisterns Wall Tabernae Cisterns Areas Areas Areas Areas Areas Areas Horrea Macellum Structures Cistern Remains Horrea Area Area Wall Cistern Service area Area Area	Emerging With portico Thermal Vaulted Basis villae?	belonging to 2 complexes of residential function belonging to a habitation belonging to a residential complex nos. 36, 193, 194 of the Ripa Putelana (Vicus Lartidianus) part of a residential complex no's 36, 40, 194	Nucleus Nucleus Stretch Complex Stretch Complex Stretch Stretch Comlpex Series Small	cementizia cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia mixed laterizia painted decorations quasi reticolata incerta laterizia mixed laterizia reticolata ritata reticolata	reticolata reticolata reticolata graffiti inscriptions reticolata vittata mixtum		The Villa of Cicero Temple of Neptune	
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	t.	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 228 Loc. Cigliano 320 Via Cupa Cigliano 31 Ma 32 Vallone Cordiglia 33 Via Celle 34 Via Luciano 35 P.co Cordiglia 36 Via Terraccino 7 Vallone Cordiglia 38 Via Domitiana 39 Via Terracciano 40 Via Terracciano 41 Vallone Mandria 42 Via Terracciano 43 Vallone Mandria 44 Via Oberdan 47 Via Miliscola 48 Via Pergolesi 49 Via Serapide 100 Co. Celle 110 Via Pergolesi 111 Via Pergolesi 112 Via Cella 191 Via Celle 192 Via Celle 193 Via Terracciano 195 Via Terracciano 196 Via Domitiana 197 Via Sacchini 198 Via Sacchini	Walls Walls Walls Areas Walls Road IIII Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Wall Tabernae Cisterns Areas Temple Structures Horrea Macellum Structures Cistern Remains Horrea Area Area Area Area Area Area Area	Emerging With portico Thermal Vaulted Basis villae?	belonging to 2 complexes of residential function belonging to a habitation belonging to a residential complex nos. 36, 193, 194 of the Ripa Putelana (Vicus Lartidianus) part of a residential complex no's 36, 40, 194	Nucleus Nucleus Stretch Complex Stretch Complex Stretch Stretch Comlpex Series Small	cementizia cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia mixed laterizia painted decorations quasi reticolata incerta laterizia mixed laterizia reticolata	reticolata reticolata reticolata graffiti inscriptions reticolata vittata mixtum		The Villa of Cicero Temple of Neptune	
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	t. B	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano via Cupa Cigliano Via Cupa Cigliano 30 Juàa 32 Vallone Cordiglia 34 Via Luciano 35 P.co Cordiglia 36 Via Terraccino 37 Vallone Cordiglia 38 Via Domitiana 39 Via Terracciano 40 Via Terracciano 41 Vallone Mandria 42 Via Terracciano 43 Vallone Mandria 44 Via Terracciano 45 Vallone Mandria 46 Via Oberdan 47 Via Miliscola 48 Via Pergolesi 49 Via Serapide 90 Loc. Celle 110 Via Terracciano 111 Via Sacchini 119 Via Pergolesi 111 Via Domitiana 197	Walls Walls Walls Areas Walls Road IIII Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Wall Tabernae Cisterns Areas Areas Areas Areas Areas Areas Areas Horrea Macellum Structures Cistern Remains Horrea Area Area Area Area Area Area Area	Emerging With portico Thermal Vaulted Basis villae?	belonging to 2 complexes of residential function belonging to a habitation belonging to a residential complex nos. 36, 193, 194 of the Ripa Putelana (Vicus Lartidianus) part of a residential complex no's 36, 40, 194	Nucleus Nucleus Stretch Complex Stretch Complex Stretch Stretch Comlpex Series Small	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia painted decorations quasi reticolata incerta laterizia mixed laterizia reticolata	reticolata reticolata reticolata graffiti inscriptions reticolata vittata mixtum		The Villa of Cicero Temple of Neptune	
	t. 8	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano 236 Via Cupa Cigliano 237 Via Cupa Cigliano 238 Vallone Cordiglia 239 Vallone Cordiglia 240 Via Luciano 250 P.co Cordiglia 261 Via Terraccino 270 Vallone Cordiglia 270 Via Terracciano 270 Via Oberdan 270 Via Miliscola 270 Via Serapide 270 Loc. Celle 270 Via Cella 271 Via Domitiana 272 Via Celle 273 Loc. Celle 274 Via Demitiana 275 Via Pergolesi 276 Via Terracciano 277 Via Celle 277 Via Celle 278 Loc. Celle 279 Via Celle 279 Via Celle 270 Via Terracciano 270 Via Terracciano 271 Via Pergolesi 272 Via Pergolesi 273 Via Pergolesi 274 Via Pergolesi 275 Via Pergolesi 275 Via Pergolesi 276 Via Domitiana 277 Via Pergolesi 277 Via Pergolesi 277 Via Pergolesi 277 Via Pergolesi 278 Via Domitiana 279 Via Pergolesi 279 Via Domitiana	Walls Walls Walls Areas Walls Road IIII Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Vall Tabernae Vall Tabernae Cisterns Areas Areas Areas Areas Areas Horrea Macellum Structures Cistern Remains Horrea Area Area Area Area Area Area Area	Emerging With portico Thermal Vaulted Basis villae?	belonging to 2 complexes of residential function belonging to a habitation belonging to a residential complex nos. 36, 193, 194 of the Ripa Putelana (Vicus Lartidianus) part of a residential complex no's 36, 40, 194	Nucleus Nucleus Stretch Complex Stretch Complex Stretch Stretch Comlpex Series Small	cementizia cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia mixed laterizia painted decorations quasi reticolata incerta laterizia mixed laterizia reticolata	reticolata reticolata reticolata graffiti inscriptions reticolata vittata mixtum reticolata		The Villa of Cicero Temple of Neptune	
	, t.	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano 18 Male 32 Vallone Cordiglia 33 Via Celle 34 Via Luciano 35 P.co Cordiglia 36 Via Terraccino 7 Vallone Cordiglia 38 Via Domitiana 39 Via Terracciano 40 Via Terracciano 41 Vallone Mandria 42 Via Terracciano 43 Vallone Mandria 44 Via Oberdan 47 Via Miliscola 48 Via Pergolesi 49 Via Serapide 100 C. Celle 110 Via Pergolesi 111 Via Pergolesi 112 Via Cella 191 Via Celle 192 Via Celle 193 Via Domitiana 194 Via Pergolesi 195 Via Terracciano 196 Via Domitiana 197 Via Pergolesi 198 Via Sacchini 199 Via Pergolesi 198 Via Sacchini 199 Via Pergolesi	Walls Walls Walls Areas Walls Road IIII Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Wall Tabernae Wall Tabernae Cisterns Areas Areas Areas Areas Areas Horrea Macellum Structures Cistern Remains Horrea Area Area Area Area Area Area Area	Emerging With portico Thermal Vaulted Basis villae? Thermal complex	belonging to 2 complexes of residential function belonging to a habitation belonging to a residential complex nos. 36, 193, 194 of the Ripa Putelana (Vicus Lartidianus) part of a residential complex no's 36, 40, 194	Nucleus Nucleus Stretch Complex Stretch Complex Stretch Stretch Comlpex Series Small	cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia painted decorations quasi reticolata incerta laterizia mixed laterizia reticolata	reticolata reticolata reticolata graffiti inscriptions reticolata vittata mixtum reticolata		The Villa of Cicero Temple of Neptune	
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	1. 8	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano 236 Via Cupa Cigliano 237 Via Cupa Cigliano 238 Via Celle 239 Via Luciano 230 Via Luciano 230 Via Luciano 231 Via Luciano 232 Via Terraccino 233 Via Celle 234 Via Luciano 235 P.co Cordiglia 236 Via Terracciano 247 Via Inone Cordiglia 248 Via Terracciano 249 Via Terracciano 240 Via Terracciano 240 Via Terracciano 241 Via Inone Mandria 242 Via Terracciano 243 Viallone Mandria 244 Via Terracciano 245 Via Oberdan 247 Via Milliscola 248 Via Pergolesi 249 Via Serapide 259 Loc. Celle 250 Via Celle 250 Via Celle 251 Via Domitiana 252 Via Pergolesi 253 Via Celle 254 Via Pergolesi 255 Via Celle 257 Via Celle 258 Via Celle 259 Via Celle 279 Via Celle 270 Via Celle 270 Via Pergolesi 270 Via Pergolesi 270 Via Pergolesi 270 Via Pergolesi 271 Via Pergolesi 271 Via Pergolesi 272 Via Pergolesi 273 Via Pergolesi 274 Via Pergolesi 275 Via Pergolesi 277 Via Pergolesi 277 Via Domitiana 277 Via Pergolesi 277 Via Domitiana 278 Via Via Miliscola 279 Via Via Miliscola 279 Via Via Miliscola 270 Via	Walls Walls Walls Areas Walls Road IIII Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Cisterns Areas Areas Areas Areas Areas Areas Areas Areas Horrea Macellum Structures Cistern Remains Horrea Area Area Area Area Area Area Area	Emerging With portico Thermal Vaulted Basis villae? Thermal complex Residential or tabernae Vaulted	belonging to 2 complexes of residential function belonging to a habitation belonging to a residential complex nos. 36, 193, 194 of the Ripa Putelana (Vicus Lartidianus) part of a residential complex no's 36, 40, 194	Nucleus Nucleus Stretch Complex Stretch Complex Stretch Stretch Comlpex Series Small	cementizia cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia mixed laterizia painted decorations quasi reticolata incerta laterizia mixed laterizia reticolata	reticolata reticolata reticolata graffiti inscriptions reticolata vittata mixtum reticolata laterizia		The Villa of Cicero Temple of Neptune	
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	t.	188 Via Cupa Cigliano 189 Via Cupa Cigliano 228 Loc. Cigliano 235 Via Cupa Cigliano 236 Via Cupa Cigliano 237 Via Cupa Cigliano 238 Via Celle 239 Via Luciano 230 Via Luciano 230 Via Luciano 231 Via Luciano 232 Via Terraccino 233 Via Celle 234 Via Luciano 235 P.co Cordiglia 236 Via Terracciano 247 Via Inone Cordiglia 248 Via Terracciano 249 Via Terracciano 240 Via Terracciano 240 Via Terracciano 241 Via Inone Mandria 242 Via Terracciano 243 Viallone Mandria 244 Via Terracciano 245 Via Oberdan 247 Via Milliscola 248 Via Pergolesi 249 Via Serapide 259 Loc. Celle 250 Via Celle 250 Via Celle 251 Via Domitiana 252 Via Pergolesi 253 Via Celle 254 Via Pergolesi 255 Via Celle 257 Via Celle 258 Via Celle 259 Via Celle 279 Via Celle 270 Via Celle 270 Via Pergolesi 270 Via Pergolesi 270 Via Pergolesi 270 Via Pergolesi 271 Via Pergolesi 271 Via Pergolesi 272 Via Pergolesi 273 Via Pergolesi 274 Via Pergolesi 275 Via Pergolesi 277 Via Pergolesi 277 Via Domitiana 277 Via Pergolesi 277 Via Domitiana 278 Via Via Miliscola 279 Via Via Miliscola 279 Via Via Miliscola 270 Via	Walls Walls Walls Areas Walls Road IIII Area Building Tabernae Area Cisterns Structures Cistern Wall Tabernae Cisterns Areas Areas Areas Areas Areas Areas Areas Areas Horrea Macellum Structures Cistern Remains Horrea Area Area Area Area Area Area Area	Emerging With portico Thermal Vaulted Basis villae? Thermal complex Residential or tabernae Vaulted Vaulted	belonging to 2 complexes of residential function belonging to a habitation belonging to a residential complex nos. 36, 193, 194 of the Ripa Putelana (Vicus Lartidianus) part of a residential complex no's 36, 40, 194	Nucleus Nucleus Stretch Complex Stretch Complex Stretch Stretch Comlpex Series Small	cementizia cementizia cementizia reticolata cementizia basalt reticolata mixed reticolata reticolata mixed laterizia mixed laterizia mixed laterizia painted decorations quasi reticolata incerta laterizia mixed laterizia reticolata	reticolata reticolata reticolata graffiti inscriptions reticolata vittata mixtum reticolata laterizia		The Villa of Cicero Temple of Neptune	

	la: a	la	la company	1	1	1	1	1	1
p. g.	Piazza Capomazza Vallone Cordiglia	Block Road	Base of an honorary arch?	joining the ripa to the Via Domitiana	Part	piperno (igneous rock) basalt			
10	46 Via Oberdan	Small temple				laterizia			
	50 Via Terracciano	Structures				reticolata			
	51 Via Terracciano	Area				mixed reticolata	laterizia		
	52 Via Solfatara	Area	Vaulted						
	53 Via Solfatara	Structure	Part of a drain?			reticolata	vittata		
	54 Via Terracciano	Niphaeum				I-1		Temple of Diana	
	55 Via Terracciano 56 Via Terracciano	Areas Temple	with columns;			laterizium		Corinzio	
	57 Via Girone	Area	of residential character			vittata mista		Connizio	
	58 Via Girone	Structure	or residential character			opera reticolata and	vittata mista		
	59 Via Vigna	Areas	Funerary			reticolata			
	60 Via Oberdan	Areas				mixed laterizia	reticolata		
	61 Via Terracciano	Amphitheatre						Maggiore	Flavian date:
	62 Via Vigna	Amphitheatre						Minore	Augustan date:
	63 Via Vigna	Mausoleum	Cruciform plan			reticolata			
	64 Via Dante Alighieri	Areas	Vaulted, foundations	and the state of t	Series				
	65 Via Solfatara 113 Via Pergolesi	Cisterns Areas	Vaulted	servicing the amphitheatre possibly associated with the same complex on tables IX no. 248	Series	reticolata			
	200 Via Vecchia delle Vigne	Areas	Vaulted	possibly associated with the same complex on tables IX no. 246		reticolata			
	201 Loc. Via Vecchia delle Vigne	Colombarium	vauited		180m approx	reticolata			
	202 Via Vigna	Complex	Residential character			reticolata			
	203 Via Vigna	Remains				laterizia	cement conglomerate		
	204 Via Tommaso Pollice	Dump	Ceramic material						Mid-Imperial date
	205 Via Vigne	Mausoleum	Hypogeum		Large	1			
	206 Via Terracciano	Wall	L			reticolata	laterizia	1	
	207 Via Solfatara	Areas	Vaulted			reticolata			
	208 Via Girone	Structure	Architectural			laterizia	incerta		
	209 Via Oberdan 210 Via Pergolesi	Fragments Wall	Architectural			reticolata		1	
	238 Loc. Via Vecchia delle Vigne	Wall			Block	laterizia			
	249 Loc. Via Vecchia delle Vigne	Necropolis			Side.	Taxon Ela			2nd C AD
	250 Loc. Via Vecchia delle Vigne	Farm				Tufa blocks			Hellenistic
	251 Loc. Via Vecchia delle Vigne	Mausoleum	Funerary			reticolata	laterizia	1	
	252 Via Vecchia delle Vigne	Building	Front			reticolata			
	253 Via Vecchia delle Vigne	Fragments	Architectural and sculptural					1	
	254 Via Terracciano	Fragments	A duct			reticolata			
	265 Via Solfatara	Structure				laterizia	cement conglomerate		
d.	Via Vigna	Road		belonging to the Via Puteolis-Neapolim	Stretch	basalt			
e.	Via Oberdan	Road Road			Stretch Stretch	basalt basalt			
I.	Via Dante Alighieri Via Vecchia delle Vigne	Road			Stretch	basalt			
11	264 Via Solfatara	Cistern	+	probably belonging to an extra-urban complex		reticolata			
	256 Via Solfatara	Cistern		probably belonging to an extra-urban complex		reticolata			
12	66 Via Ragnisco	Areas	Habitation			reticolata	laterizia		
	67 Via Pergolesi	Structures				latrizia			
	68 Rampa S. Giuseppe	Areas	Residential		complex	vittata			
	69 Rampa S. Giuseppe	Wall				laterizia			
	70 Corso Garibaldi	Cistern							
	71 Via Garibaldi	Colonnade			Otrotal of				
	72 Piazza della Repubblica 73 Via Cavour	Wall Cistern			Stretch of	reutilised tufa blocks			
	73 Via Cavour 74 Rione Terra,	Structures	Vaulted			guasi-reticolata	reticolata		
	75 Rione Terra, L.go S. Liborio	Cisterns	vauited			quasi-reticolata	reticolata		
	76 Rione Terra, Rampe Bastioni	Wall			Stretch of	tufa blocks			
	77 Rione Terra, Via de Fraja	Cryptoportico				mixed laterizia	reticolata		
	78 Rione Terra, Via Vescovado	Capitolium(1)							194AD
	79 Rione Terra, Via Crocevia	Wall			Stretch of	laterizia			
	80 Rione Terra, Via Ripa	Structures				latrizia	reticolata	1	
	81 Rione Terra, Caserma Castello	Structures	L		L .	1			
	82 Rione Terra, Pzzta S. Liborio	Areas	Residential		Complex	quasi reticolata		0	
	83 Porto di Pozzuoli	Mole Pilae	System of					Calligula's	
	84 Specchio d'aqua a sud-ovest del Rione Terra 114 Rione Terra, Via Pesterola	Structures	System of Vaulted			guasi-reticolata	reticolata		
	211 Rione Terra, Via Pergolesi	Areas	Vaulted			laterizia	Todolata		
	212 Rione Terra, Via Cavour	Areas	Vaulted			reticolata			
	213 Rione Terra, Strada Villanova	Structures				laterizia	reticolata	1	
	226 Rione Terra, Vescovado	Pistrinum				reticolata		1	
	239 Villa Avellino	Areas	Vaulted, cisterns?						
						reticolata			
	255 Rione Terra, Via Ripa	Tabernae	1		I Compley	mixed opera laterizia	reticolata		1
	255 Rione Terra, Via Ripa 260 Rione Terra, Via San Procolo	Cisterns			Complex				I
	255 Rione Terra, Via Ripa 260 Rione Terra, Via San Procolo 261 Rione Terra, Via San Procolo	Cisterns Areas			Complex	reticolata and laterizia:	reticelate		
	 Rione Terra, Via Ripa Rione Terra, Via San Procolo Rione Terra, Via San Procolo Rione Terra, Via San Procolo 	Cisterns Areas Cisterns			Complex	reticolata and laterizia: quasi reticolata	reticolata		
	 Rione Terra, Via Ripa Rione Terra, Via San Procolo 	Cisterns Areas Cisterns Areas				reticolata and laterizia: quasi reticolata reticolata	reticolata laterizia	Decumanus mavimus	
g.	 Rione Terra, Via Ripa Rione Terra, Via San Procolo Rione Terra, Via Duomo 	Cisterns Areas Cisterns Areas Road		pertaining to a cardo	Stretch	reticolata and laterizia: quasi reticolata reticolata basalt		Decumanus maximus	
g. h.	 Rione Terra, Via Ripa Rione Terra, Via San Procolo 	Cisterns Areas Cisterns Areas Road Road		pertaining to a cardo pertaining to a cardo		reticolata and laterizia: quasi reticolata reticolata basalt basalt		Decumanus maximus	
g. h. z.	255 Rione Terra, Via Ripa 260 Rione Terra, Via San Procolo 261 Rione Terra, Via San Procolo 262 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo Rione Terra, Via Duomo Rione Terra, Pzzta S. Liborio Rione Terra, Via San Procolo 61 Via Terracciano	Cisterns Areas Cisterns Areas Road Road Road Amphitheatre		pertaining to a cardo pertaining to a cardo	Stretch Stretch	reticolata and laterizia: quasi reticolata reticolata basalt		Major	Flavian
g. h. z.	255 Rione Terra, Via Ripa 260 Rione Terra, Via San Procolo 261 Rione Terra, Via San Procolo 262 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo Rione Terra, Via Duomo Rione Terra, Pia Duomo Rione Terra, Via San Procolo 61 Via Terracciano 62 Via Vigna	Cisterns Areas Cisterns Areas Road Road Road Amphitheatre Amphitheatre			Stretch Stretch	reticolata and laterizia: quasi reticolata reticolata basalt basalt basalt	laterizia		Flavian Augustan
g. h. z.	255 Rione Terra, Via Ripa 260 Rione Terra, Via San Procolo 261 Rione Terra, Via San Procolo 262 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo 263 Rione Terra, Via Duomo Rione Terra, Via Duomo Rione Terra, Via San Procolo 27 Via Terracciano 28 Via Vigna 38 Via Ragnisco	Cisterns Areas Cisterns Areas Road Road Road Amphitheatre Amphitheatre Areas	Residential		Stretch Stretch Stretch	reticolata and laterizia: quasi reticolata reticolata basalt basalt basalt reticolata		Major	
g. h. z.	255 Rione Terra, Via Ripa 260 Rione Terra, Via San Procolo 261 Rione Terra, Via San Procolo 262 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo Rione Terra, Via Duomo Rione Terra, Pzzta S. Liborio Rione Terra, Via San Procolo 61 Via Terracciano 62 Via Vigna 66 Via Ragnisco 68 Rampa S. Giuseppe	Cisterns Areas Cisterns Areas Road Road Road Amphitheatre Amphitheatre Areas Areas	Residential Residential		Stretch Stretch	reticolata and laterizia: quasi reticolata reticolata basalt basalt basalt reticolata vittata	laterizia	Major	
g. h. z. 13	255 Rione Terra, Via Ripa 260 Rione Terra, Via San Procolo 261 Rione Terra, Via San Procolo 262 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo Rione Terra, Via Duomo Rione Terra, Pzzta S. Liborio Rione Terra, Via San Procolo 61 Via Terracciano 62 Via Vigna 66 Via Ragnisco 68 Rampa S. Giuseppe 85 Via Mameli	Cisterns Areas Cisterns Areas Road Road Road Amphitheatre Amphitheatre Areas Areas Areas Areas	Residential		Stretch Stretch Stretch	reticolata and laterizia: quasi reticolata reticolata basalt basalt basalt reticolata vittata reticolata	laterizia	Major	
g. h. z.	255 Rione Terra, Via Ripa 260 Rione Terra, Via San Procolo 261 Rione Terra, Via San Procolo 262 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo 263 Rione Terra, Via Duomo Rione Terra, Via Duomo Rione Terra, Via Duomo Rione Terra, Via San Procolo 61 Via Terracciano 62 Via Vigna 66 Via Ragnisco 68 Rampa S. Giuseppe 85 Via Mameli 86 Via Oberdan	Cisterns Areas Cisterns Areas Road Road Road Amphitheatre Amphitheatre Areas Areas Areas Areas Areas	Residential Residential		Stretch Stretch Stretch	reticolata and laterizia: quasi reticolata reticolata basalt basalt basalt reticolata vittata	laterizia	Major	
g. h. z.	255 Rione Terra, Via Ripa 260 Rione Terra, Via San Procolo 261 Rione Terra, Via San Procolo 262 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo 263 Rione Terra, Via Duomo Rione Terra, Via Duomo Rione Terra, Via Duomo Rione Terra, Via San Procolo 27 Via Terracciano 28 Via Vigna 39 Via Ragnisco 39 Rampa S. Giuseppe 39 Via Mameli 30 Via Carmine	Cisterns Areas Cisterns Areas Road Road Amphitheatre Amphitheatre Areas Areas Areas Cistern	Residential Residential		Stretch Stretch Stretch	reticolata and laterizia: quasi reticolata reticolata basalt basalt basalt reticolata vittata reticolata basalt	laterizia	Major	
g. h. z.	255 Rione Terra, Via Ripa 260 Rione Terra, Via San Procolo 261 Rione Terra, Via San Procolo 262 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo Rione Terra, Via Duomo Rione Terra, Pzzta S. Liborio Rione Terra, Via San Procolo 61 Via Terracciano 62 Via Vigna 66 Via Ragnisco 68 Rampa S. Giuseppe 85 Via Mameli 86 Via Oberdan 87 Via Carmine 88 Via Terracciano	Cisterns Areas Cisterns Areas Road Road Road Amphitheatre Amphitheatre Areas Areas Areas Cistern Nimphaeum	Residential Residential		Stretch Stretch Stretch	reticolata and laterizia: quasi reticolata reticolata basalt basalt basalt reticolata vittata reticolata basalt	laterizia laterizia	Major	
g. h. z.	255 Rione Terra, Via Ripa 260 Rione Terra, Via San Procolo 261 Rione Terra, Via San Procolo 262 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo 264 Rione Terra, Via San Procolo 275 Rione Terra, Via San Procolo 275 Via Vigna 275 Via Vigna 276 Via Vigna 277 Via Carmine 277 Via Carmine 278 Via Vigna 288 Via Terracciano 289 Via Vigna	Cisterns Areas Cisterns Areas Road Road Road Amphitheatre Amphitheatre Areas Areas Areas Areas Cistern Nimphaeum Tabemae	Residential Residential		Stretch Stretch Stretch	reticolata and laterizia: quasi reticolata reticolata basalt basalt basalt reticolata vittata reticolata basalt laterizia mixed laterizia	laterizia laterizia	Major	
g. h. z.	255 Rione Terra, Via Ripa 260 Rione Terra, Via San Procolo 261 Rione Terra, Via San Procolo 262 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo 260 Rione Terra, Via Duomo 260 Rione Terra, Via San Procolo 27 Via Terracciano 27 Via Vigna 28 Via Mameli 29 Via Via Carmine 28 Via Carmine 29 Via Vigna 39 Via Vigna 30 Via Vigna 30 Via Vigna	Cisterns Areas Cisterns Areas Road Road Amphitheatre Amphitheatre Areas Areas Areas Cistern Nimphaeum Tabemae Structure	Residential Residential Vaulted		Stretch Stretch Stretch	reticolata and laterizia: quasi reticolata reticolata basalt basalt basalt reticolata vittata reticolata basalt laterizia mixed laterizia reticolata	laterizia laterizia reticolata mista	Major	
g. h. z.	255 Rione Terra, Via Ripa 260 Rione Terra, Via San Procolo 261 Rione Terra, Via San Procolo 262 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo 263 Rione Terra, Via San Procolo 264 Rione Terra, Via San Procolo 275 Rione Terra, Via San Procolo 275 Via Vigna 275 Via Vigna 276 Via Vigna 277 Via Carmine 277 Via Carmine 278 Via Vigna 288 Via Terracciano 289 Via Vigna	Cisterns Areas Cisterns Areas Road Road Road Amphitheatre Amphitheatre Areas Areas Areas Areas Cistern Nimphaeum Tabemae	Residential Residential		Stretch Stretch Stretch	reticolata and laterizia: quasi reticolata reticolata basalt basalt basalt reticolata vittata reticolata basalt laterizia mixed laterizia	laterizia laterizia	Major	

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94 Via Vecchia di S. Gennaro	Cistern			1	laterizia			Piscina Cardito	1
95 Via Ragnisco	Areas	Vaulted	Via Tecta		mixed laterizia	reticolata			1
96 Villa Avellino	Cistern (1)			1	reticolata			Piscina Centocamerelle	1
97 Via Carmine	Colmbarium				reticolata				1
98 Villa Avellino	Cistern (1)			1	mixed laterizia	reticolata		Piscina Lusciano	1
99 Villa Renda	Buildings	Thermal		Complex				Bagno Ortodonico	1
100 Via Marconi	Wall			Stretch	reticolata.				1
115 Viale Capomazza	Building	Public headquarters of the Collegio dei Tibicines							1
116 Viale Capomazza	Building	Public headquarters of the Collegio dei Tibicines							1
117 Via Marconi	Wall	Collegio degli Scabillari?		Stretch	reticolata.				1
214 Via Ragnisco	Columns				opera laterizia				1
215 Villa Avellino, Torre Toledo	Area(1)				reticolata				1
216 Villa Avellino	Structures				laterizia				1
217 Via Rosini	Building				reticolata				1
218 Via Rosini	Nimpheum	With paved piazza							1
219 Via Rosini	Castellum Aquae								1
220 Rampa del Purgatorio	Furnace								Medival
221 Via XXVIII Ottobre	Fistulae Plumbee		possibly belonging to a villa maritima						1
222 Via Marconi	Area				laterizia				1
223 Via Rosini	Wall				reticolata	laterizia			1
257 Via Rosini	Wall				reticolata	mixed reticolata	laterizia		1
258 Via Carmine	Area				basalt				1
259 Via Mameli	Wall		belonging to the magazzini labelled n. 85	Stretch	cemetizia				1
j. Via Carmine	Road		with an axis crossing the mesourbano	Stretch	basalt				1
i. Via Ragnisco	Road		belonging to the clivus vitarius sive vicus turarius	Stretch	basalt				1
k. Via Solfatara	Road			Stretch	basalt				1
I. Area del Foro	Road			Stretch	basalt				1
m. Area del Foro	Road		with entry to the forum	Stretch	basalt				1
n. Villa Renda	Road			Stretch	basalt				1
r. Villa Rosini	Road			Stretch	basalt				

Appendix 3: ADS Metadata sheets



List of files deposited with the Archaeology Data Service

Please complete this form with a list of all files that are being deposited with the ADS. It is important that you accurately record each file name with the correct combination of upper and lower case letters and file extension. Please describe each file carefully and accurately. The file descriptions will be preserved alongside the data by the ADS, and will also be made available to those who wish to reuse the data in the future.

If you would prefer to give us this information in another format this should not be a problem.

Title of project:	Visualising Pozzuoli: Digital models for reading imperial architecture.			
File name (with extension)	File path	Software application used to create file	Software version	Description of file contents and relationships with other files
Thesis_Volume_1.doc		Microsoft Word: Mac	12.3.6	Main thesis text images of which are found in Volume 2
Thesis_Volume_2.doc		Microsoft Word: Mac	12.3.6	Images and appendices corresponding to Volume 1
Contours_Annotation.DWG	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/01_ LANDSCAPE	AutoCAD	2011	Digital plan of Campanian region
Contours_Points.DWG		AutoCAD	2011	Digital plan of Campanian region

Contours_Polygons.DWG		AutoCAD	2011	Digital plan of Campanian region
Pozzuoli_Bathymetry.dwg		AutoCAD	2011	Digitised plan of underwater contours
10000_VINCOLI.jpg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/01_ LANDSCAPE/Maps	Epson Scan	3.4.3	Scanned plan for digitising.
Sommella009.jpg		Epson Scan	3.4.3	Scanned plan for digitising.
Sommella010.jpg		Epson Scan	3.4.3	Scanned plan for digitising.
Sommella074.jpg		Epson Scan	3.4.3	Scanned plan for digitising.
Sommella075.jpg		Epson Scan	3.4.3	Scanned plan for digitising.
Sommella076.jpg		Epson Scan	3.4.3	Scanned plan for digitising.
Sommella093.jpg		Epson Scan	3.4.3	Scanned plan for digitising.
Stadium_plan.dwg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 02_STADIO	AutoCAD	2011	Digitised plan of stadium.
Stadium_section.dwg		AutoCAD	2011	Digitised section of stadium.
axon_stad_Gros.jpg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 02_STADIO/Scans	Epson Scan	3.4.3	Scanned plan for digitising.
Humphrey_Section.jpg		Epson Scan	3.4.3	Scanned plan for digitising.
plan_stad_Zevi.jpg		Epson Scan	3.4.3	Scanned plan for digitising.
SANC_scan.tif		Epson Scan	3.4.3	Scanned plan for digitising.
STADIO.bmp		Epson Scan	3.4.3	Scanned plan for digitising.
stadium_domitian_plastico.jpg		http://en.museociviltaromana.it	Na	Photo for reference.
Zevi_scan.jpg		Epson Scan	3.4.3	Scanned plan for digitising.
Stadio_3.jpg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 02_STADIO/Screenshots	AutoCAD	2011	Screenshot produced in AutoCAD.
MAC_Plan.dwg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 03_MACELLUM	AutoCAD	2011	Digitised plan of Macellum
MAC_Section.dwg		AutoCAD	2011	Digitised section of Macellum
Christie_watercolours.zip	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 03_MACELLUM/Scans/Macellum_CHRISTIE	Epson Scan	3.4.3	Scanned images for reference.
Puteoli012.jpg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 03_MACELLUM/Scans	Epson Scan	3.4.3	Scanned images for digitisation.

Puteoli013.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
Puteoli014.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
Puteoli015.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
Puteoli016.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
Puteoli017.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
3dModel_Macellum.jpg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 03_MACELLUM/Scans	Epson Scan	3.4.3	Scanned images for digitisation.
Exedera_Projections.tif		Epson Scan	3.4.3	Scanned images for digitisation/ reference.
Pages from Demma_All.jpg		Epson Scan	3.4.3	Scanned images for digitisation/ reference.
Temple_Plan.dwg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 04_TEMPLE_AUGUSTUS	AutoCAD	2011	Digitised plan of Temple of Augustus.
Temple_section.dwg		AutoCAD	2011	Digitised section of Temple of Augustus.

The completed form should be submitted to the ADS in **digital** form along with the deposited data that it describes, or via e-mail to Catherine Hardman at csh3@york.ac.uk

column_base.tif	FINAL_FILES_SUBMITTED_2013/	Epson Scan	3.4.3	Scanned images for reference.
Everanic Doof Front in a	03_AUTOCAD/04_TEMPLE_AUGUSTUS/Plans_Sections	France Coop	2.4.2	Coopped images for digitization
ExampleRoof_Front.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
Fluting details.tif		Epson Scan	3.4.3	Scanned images for digitisation.
flutingdetail.tif		Epson Scan	3.4.3	Scanned images for digitisation.
plan.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
plan.TIF		Epson Scan	3.4.3	Scanned images for digitisation.
PodiumBase.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
podiumBases.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
SectionA_A.tif		Epson Scan	3.4.3	Scanned images for digitisation.
SectionB_B.tif		Epson Scan	3.4.3	Scanned images for digitisation.
Temple_Plan.jpg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 04_TEMPLE_AUGUSTUS/Screenshots	AutoCAD	2011	Screenshots produced in AutoCAD.
Temple_Section.jpg		AutoCAD	2011	Screenshots produced in AutoCAD.
RioneTerra_Elevation.dwg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 05_RIONE_TERRA	AutoCAD	2011	Screenshots produced in AutoCAD.
RioneTerra_Plan.dwg		AutoCAD	2011	Screenshots produced in AutoCAD.
Sommella_Elevations.dwg		AutoCAD	2011	Screenshots produced in AutoCAD.
MYSCAN_20071207_0004.jpg	FILES_SUBMITTED_2013/03_AUTOCAD/05_RIONE_TERRA/ Scans	Epson Scan	3.4.3	Scanned images for digitisation.
Puteoli_foro.pdf		Epson Scan	3.4.3	Scanned images for digitisation.
Puteoli031.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
rione terra.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
RioneTerra_2005.tiff		Epson Scan	3.4.3	Scanned images for digitisation.
DeCaro118.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
tavola_0001.TIF		Epson Scan	3.4.3	Scanned images for digitisation.
tavola 0002.TIF		Epson Scan	3.4.3	Scanned images for digitisation.
unione copy_reduced50.jpg		Epson Scan	3.4.3	Scanned images for digitisation.

Valeri_plan.tiff		Epson Scan	3.4.3	Scanned images for digitisation.
RioneTerra.jpg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/	AutoCAD	2011	Screenshots produced in
	05_RIONE_TERRA/Screenshots			AutoCAD.
Somella_Sections2.jpg		AutoCAD	2011	Screenshots produced in
				AutoCAD.
Sommella1.jpg		AutoCAD	2011	Screenshots produced in
				AutoCAD.

Bath_iso.dwg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 06_TEMPIO_NETTUNO	AutoCAD	2011	Digitised isometric drawing of bathhouses.
Bath_Plan.dwg		AutoCAD	2011	Digitised plan of bathhouses.
Plan_crop.tif	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 06_TEMPIO_NETTUNO/Scans	Epson Scan	3.4.3	Scanned images for digitisation.
sanc_011.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
sanc_012.TIF		Epson Scan	3.4.3	Scanned images for digitisation.
Bath_plan.jpg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 06_TEMPIO_NETTUNO/Screenshots	AutoCAD	2011	Screenshots produced in AutoCAD.
Isometric_drawing.jpg		AutoCAD	2011	Screenshots produced in AutoCAD.
Warehouses1.dwg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 07_PORTO_JULIO	AutoCAD	2011	Digitised plan of warehouses.
Warehouses2.dwg		AutoCAD	2011	Digitised plan of warehouses.
Warehouses3.dwg		AutoCAD	2011	Digitised plan of warehouses.
WH_Sec_Aggri_Divided.dwg		AutoCAD	2011	Digitised section of comparative
				warehouses.
WH_Sec_Aggrippina.dwg		AutoCAD	2011	Digitised section of comparative
				warehouses.
WH_Sec_Aggrippina.dwg		AutoCAD	2011	Digitised section of comparative
				warehouses.
Hor1_LocationMap.tif	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 07_PORTO_JULIO/Scans	Epson Scan	3.4.3	Scanned images for digitisation.
img001.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
img002.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
tavola_0009.tif		Epson Scan	3.4.3	Scanned images for digitisation.
tavola_0016.TIF		Epson Scan	3.4.3	Scanned images for digitisation.
Hypothesized_Portico.jpg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 07_PORTO_JULIO/Screenshots	AutoCAD	2011	Screenshots produced in AutoCAD.
Warehouses.jpg		AutoCAD	2011	Screenshots produced in AutoCAD.
Amph_All.dwg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 08_AMPHITHEATRE	AutoCAD	2011	Digitised plan and section in AutoCAD.
Amph_Balcony.dwg		AutoCAD	2011	Digitised element of upper balcony in AutoCAD.

Amph_Plan_Sub.dwg	Auto	CAD 2011	Digitised plan of underground level in
			AutoCAD
Amph_Plan.dwg	Auto	CAD 2011	Digitised plan of amphitheatre in AutoCAD.
Amph_Section.dwg	Auto	CAD 2011	Digitised section of amphitheatre in
			AutoCAD.

Portico.dwg		AutoCAD	2011	Digitised element of external portico in AutoCAD.
Amphitheatre003.jpg	FILES_SUBMITTED_2013/03_AUTOCAD/ 08_AMPHITHEATRE/Scans	Epson Scan	3.4.3	Scanned images for digitisation.
Amphitheatre031.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
Plan_001.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
Subterrean_Theatre.jpg		Epson Scan	3.4.3	Scanned images for digitisation.
Theatre_Section.jpg		AutoCAD	2011	Screenshots produced in AutoCAD.
Plan_Section_Portico.jpg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 08_AMPHITHEATRE/Screenshots	AutoCAD	2011	Screenshots produced in AutoCAD.
PorticoandPlan.jpg		AutoCAD	2011	Screenshots produced in AutoCAD.
PorticoMaiuri.jpg		AutoCAD	2011	Screenshots produced in AutoCAD.
Teatro1.jpg		AutoCAD	2011	Screenshots produced in AutoCAD.
Theatre_Plan.jpg		AutoCAD	2011	Screenshots produced in AutoCAD.
Molo_plan.dwg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 09_MOLO	AutoCAD	2011	Screenshots produced in AutoCAD.
Molo_section.dwg		AutoCAD	2011	Screenshots produced in AutoCAD.
Molo_Modern_plan.tif	FILES_SUBMITTED_2013/03_AUTOCAD/ 09_MOLO/Scans	Epson Scan	3.4.3	Scanned images for digitisation.
MoloPlan_Dubois.tif		Epson Scan	3.4.3	Scanned images for digitisation.
MoloSection_Dubois.tif		Epson Scan	3.4.3	Scanned images for digitisation.
Section_Dubois.jpg	FINAL_FILES_SUBMITTED_2013/03_AUTOCAD/ 09_MOLO/Screenshots	Epson Scan	3.4.3	Scanned images for digitisation.
Pozzuoli_DEM.sxd		ArcGIS	10	Digital elevation model of Campania.

PUTEOLI_POINT.mxd	FINAL FILES SUBMITTED 2013/05 GIS/GIS 1	ArcGIS	10	Digital elevation model of
	PINAL_PILES_SOBIVITIED_2013/03_GI3/GI3_1			Campania.
PUTEOLI_TOPO.mxd		ArcGIS	10	Digital elevation model of
				Campania.
Landscape_FINAL.max	FINAL_FILES_SUBMITTED_2013/06_MAX/	3dsMax	2011/	3dsMax model of overall
	01_LANDSCAPE		2012	Campanian landscape.
Landscape.jpg	FINAL_FILES_SUBMITTED_2013/06_MAX/	3dsMax	2011/	Screenshot produced in 3dsMax.
	01_LANDSCAPE/Screenshots		2012	
Stadio_27_06_12.max	FINAL_FILES_SUBMITTED_2013/06_MAX/	3dsMax	2011/	3dsMax model of Stadium.
	02_STADIUM		2012	
stadio_BW.jpg	FINAL FILES SUBMITTED 2013/06 MAX/02 STADIUM/Screenshots	3dsMax	2011/	Screenshot produced in 3dsMax.
	FINAL_FILES_SOBMITTED_2013/00_MAX/02_STADIOM/Screenshots		2012	
Stadio_Hidden_Lines.jpg		3dsMax	2011/	Screenshot produced in 3dsMax.
			2012	

Stadio_option_1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Stadio_v3.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Stadio1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Stadio2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Stadium_option_2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
	3_FINAL_FILES_SUBMITTED_2013/06_MAX/ 3_MACELLUM	3dsMax	2011/ 2012	3dsMax model of Macellum.
Macellum_26_06_12_B.max		3dsMax	2011/2012	3dsMax model of Macellum.
26_6_2012.jpg FII	INAL_FILES_SUBMITTED_2013/06_MAX/ 3_MACELLUM/Screenshots	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Apse_Alternative1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Apse_Alternative1wDecoration.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Apse_Altrenative2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Mac_doorsANDWindows.jpg		3dsMax	2011/2012	Screenshot produced in 3dsMax.
MAC_FINALSCRSHOT.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Mac_wallytpe1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Macellum_Completed.jpg		3dsMax	2011/2012	Screenshot produced in 3dsMax.
Macellum_door_types1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Macellum_wallAlter1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Macellum1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Macellum2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Macellum3.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Macellum4.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
MacellumBalcony.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
MacNoDoors.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
MR_render.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
MR_render2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.

MR_render3.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
MR_render4.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
render.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
render2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Testing Individual elements.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
TempleAUG_26_06_12.max	FINAL_FILES_SUBMITTED_2013/06_MAX/ 04_CAPITOLIUM	3dsMax	2011/ 2012	3dsMax model of Temple.
Camera3.jpg	FINAL_FILES_SUBMITTED_2013/06_MAX/ 04_CAPITOLIUM/Screenshots	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
ColumnDetail_1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
ColumnDetail_2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Finished_portico.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Hidden_Line.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
MR_Render_Camera1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
MR_render1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
MR_render2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
mr_render3.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
MR_rendercam2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Temple_Augustus_nearComplete.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Temple_Augustus_Roof.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Temple_augustus_viewfromChamber.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Temple_Augustus.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Temple_Augustus2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
TEMPLE_FINAL.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Temple_renderFinal 1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
PI_WH01_27_06_12materials.max	FINAL_FILES_SUBMITTED_2013/06_MAX/ 07_PORTO_JULIO	3dsMax	2011/ 2012	3dsMax model of Warehouses.
BW_Render.jpg	FINAL_FILES_SUBMITTED_2013/06_MAX/ 07_PORTO_JULIO/Screenshots	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.

Horrea_BW.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Horrea_Render.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
mr_render1.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
mr_render2.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
PI_Hidden_Line.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Warehouse_view from portico_2.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Warehouse_view from portico.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Warehouses without golvinRoof.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Warehouses_1.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Warehouses_2.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Warehouses_3.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Warehouses_balcony.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Warehouses_Camera3.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Warehouses_FINALSCRNSHOT.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Warehouses_renderfromBalcony.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Warehouses1.jpg	3dsMax	2011/ 2012	Screenshot produced in

				3dsMax.
Warehouses2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Warehouses3.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Warehouses4.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
WarehousesRender_2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Amphitheatre_Full_26_6_12.max	FINAL_FILES_SUBMITTED_2013/06_MAX/ 08_AMPHITHEATRE	3dsMax	2011/ 2012	3dsMax model of Amphitheatre.
3Stories.jpg	FINAL_FILES_SUBMITTED_2013/06_MAX/ 08_AMPHITHEATRE/Screenshots	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
AMPH_FINAL1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
AMPH_FINAL2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Amphitheatre.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.

Arcate.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
Arches_Cavea.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
Balcony_Elements.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
Hollow_Egg.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
mr_render_interior.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
mr_render1.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
mr_renderCloseup.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
mr_renderCloseup2.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
Orthographic_View.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
Outside_2.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
Outside.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
Portico_Finished.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
Portico.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
Seating.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
Solid.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
Vaults_plus_Cavea.jpg	3dsMax	2011/ 2012	Screenshot produced in

				3dsMax.
Vaults_refined.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Vaults.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Mole_28_06_12.max	FINAL_FILES_SUBMITTED_2013/06_MAX/ 011_MOLO	3dsMax	2011/ 2012	3dsMax model of mole.
Mole_Camera2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Mole_Conjectural_2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Mole_Conjectural_Length.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Molo_stage1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
mr_stage2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
GF_ALL_Elements_30_06_12_FIN AL_1.max	13_FINAL_FILES_SUBMITTED_2013/ 06_MAX/013_GAP_FILLING	3dsMax	2011/ 2012	3dsMax Model of all model elements.

Addition of buildings.jpg	3dsMax	2011/ 2012	Screenshot produced in
			3dsMax.
Additional_Landscape to match sections1.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
AdditionalConjecturalBuildings.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Basic_Conjectural_Elements.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera near Amph looking out.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_Bottom of Rione Terra.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Conceptual_RioneTerra.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Contours.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
created landscape.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Extruded Lines based on survey plan.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
ExtrudedShapes RioneTerra1.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Golvin_Hypothesized_Viewer.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Image_Showing data attached to selection.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Landscape_references.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Landscape18_06_12.jpg	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Light_Test.jpg	3dsMax	2011/2012	Screenshot produced in

				3dsMax.
MainMonuments.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Motion Cameras.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Setting_out_Shapes.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
SimpleRender of plan lines_ZEVI_Survey.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
View1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_20_35_135mm_2000h.jpg	FINAL_FILES_SUBMITTED_2013/06_MAX/ 015_ANALYSIS_RENDERS	3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_20mm.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_35mm.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_135mm.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.

Camera_Capitolium_looking out.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_Directly in front of Mole.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_Golvin_1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera Golvin 2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_Golvin_3.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_in_front_of_town_Port.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_in_front_of_town_RT.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_Land_looking_out.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_Looking_N.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_looking_NE_Closer.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_Looking_NE.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_looking_SE.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_lookinng_NW.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_On the way to Procida.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_Ostrow_1.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_Ostrow_2.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_Ostrow_3.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera_righthand_extremity_ofmole.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera1_20_35_135mm_0700h.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Camera1_20_35_135mm_1900h.jpg		3dsMax	2011/ 2012	Screenshot produced in 3dsMax.
Landscape_22_09_10.vue	FINAL_FILES_SUBMITTED_2013/ 07_VUE	Vue Infinite xstream	8.5	Screenshot produced in 3dsMax.
Landscape_Test_1.vue		Vue Infinite xstream	8.5	Screenshot produced in 3dsMax.
Landscape_22_09_10.jpg		Vue Infinite xstream	8.5	Screenshot produced in 3dsMax.
				Screenshot produced in 3dsMax.
VID 00013-20120609-1354.3gp	FINAL_FILES_SUBMITTED_2013/			Video of Campanian landscape
	08_Video			from the sea.



GIS documentation for the Archaeology Data Service

Please fully document and record the GIS that you intend to submit to the ADS for archiving. The table below provides a template for generic information required for archiving GIS, examples are provided in greyed out italics below. Please be sure to also complete the accompanying document (GIS_file_metadata.doc) to provide us with a list of all layers within the project.

Project Title	Pozzuoli topography
Hardware:	Windows 7 PC
Software:	ESRI ArcGIS version 9
Date of Creation:	2010 -2012
Coverage	Campania (Italy)
Author:	Elizabeth De Gaetano
Data Sources:	Main contours provided by the <i>Vincoli archeologici GENERALE</i> + <i>vincoli comune.dwg</i> provided by the Soprintendenza Archaeologica di Napoli e Castera (SANC). Bathymetry contours provided by <i>planimetria strutture sommerse 2000.dwg</i> provided by the SANC.
Projection:	Gauss-Boaga, official Italian national projection.

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Scale of data capture:	Various
Scale of data storage:	Various
Assessment of data quality:	None
Method of original data capture:	Imported from AutoCAD files.
Purpose of data creation:	To create a digital elevation model of the area that could then be used if necessary to take large scale measurements.
Ownership	University of Southampton
Comments	None



Project metadata for the Archaeology Data Service

Please complete this form as fully as possible with details of your project. This data will form the basis of an entry about your dataset in the ADS Catalogue, and underpins the computerised searching process that allows users to discover and retrieve information.

1. Title - please indicate the title (and any alternatives) for the dataset.

Thesis for the degree of Doctor of Philosophy September 2013: Visualising Pozzuoli: Digital Models for reading Imperial Architecture.

2. Description - please provide a brief summary (max. 200-300 words) of the main aims and objectives of the project and the content of the dataset.

Pozzuoli is also located in an area renowned for its volcanic activity, the most notable of which is a phenomenon called Bradyseism: a rapid rising and sinking of the coastline caused by the pressures of subterranean gas and steam. Its richness in archaeological remains coupled with its unique geological setting has resulted in plenty of scholarly research, particularly on the individual public monuments of the port. There has however been little attempt to understand the urban development of the port and when compared to other Campanian towns such as Pompeii and Herculaneum, thematic research in the area is still in its infancy. The context within which the study will take place is the idea of a unified Imperial urban image and the motives for urban intervention that were directed by a single vision, which began during the time of Augustus. The questions arising from this idea are the following: As an affluent port town and serving a very specific commercial role, how was Roman urban imagery applied to Pozzuoli? My approach towards the idea of imagery is a physical re-creation of the visual themes that I wish to explore, in this case the prominence, visibility and the monuments' visual impact on incoming vessels and their relationship with other architectural components (such as residential areas) together with the experiences these buildings may have generated on the town's population.

3. Subject - please suggest keywords for the subject content of the dataset. If possible, please used existing documentation standards (e.g. The RCHME thesaurus of Monument Types, the MDA Archaeological Object Name thesaurus) and indicate which standard you are following. If you use a documentation standard unique to your organisation, it would be extremely helpful if you could send a copy of it with your dataset.

RCHME thesaurus of monument types: settlement, commercial, port, town, amphitheatre, dock and harbour installation, forum, promontory fort, grain warehouse, temple.

4. Coverage - please give the current and contemporary name(s) of the country, region, county, town or village covered by the data collection. If names or administrative units were different during the time period covered by the data please record them separately. Please give the dates/period covered by the dataset.

Europe, Italy, Bay of Naples, Pozzuoli, Puteoli

Longitude: 14° 7' 24,9" Latitude: 40° 49' 18,20"

Postcode 80078

Ancient Roman

5. Creators - please list details about the creator(s), compiler(s), funding agencies, or other bodies or people intellectually responsible for the data collection. Information can include forename, surname, affiliation, address, phone, fax, email, or URL.

Elizabeth De Gaetano, Costanza Gialanella, *Soprintendenza Archaeologica di Napoli* e Caserta.

6. Publisher - please list details about any organisation which has published this data.

None.

7. Identifiers - any project or reference numbers used by you or your organisation to identify the dataset e.g. OASIS ID, NMR ID, HER/SMR IDs, sitecodes, etc.

n/a

8. Dates - when the dataset was created, when the archaeological project was carried out, processing dates, or computerisation dates as appropriate.

1/1/2009 - 30/6/2012

9. Copyright - please provide the name of the copyright holder for the dataset. If the collection was created during your work as an employee, the copyright holder will normally be your employer under your contract of employment. If the material is covered by Crown copyright please indicate this.

The copyright in a thesis submitted for a higher degree remains with me (the candidate) unless otherwise stipulated in any agreement with the sponsor/cosponsor. The copyright (if any) in any research data I submit with my thesis may already be owned by the University under its Intellectual Property Regulations but if not, then to the extent that copyright subsists in the data, I will remain the copyright owner unless otherwise stipulated in any agreement with the sponsor/co-sponsor. If, however, I have included material that is not entirely of my own creation, e.g. if it is a sponsor/co-sponsor's confidential information, is reproduced from a book, a journal or other published source copies of photographs, drawings, diagrams, data or graphs, then clearance has been obtained from the copyright holder or owner before making copies and I have attached permissions to this form. Further I confirm where a sponsor/co-sponsor has been involved all necessary permissions to publish are in place.

10. Relations - if the data collection was derived in whole or in part from published or unpublished sources, whether printed or machine-readable, please give references to the original material. Please give details of where the sources are held and how they are identified there (e.g. by accession number). If the collection is derived from other sources please indicate whether the data represent a complete or partial transcription/copy and the methodology used for its computerisation. Please provide below full references to any publications about or based upon the data collection.

Dubois, C. (1907) Pouzzoles Antique (Histoire Et Topographie). A. Fontemoing: Paris. Golvin, J.-C. (1988) L'amphitheâtre Romain : Essai Sur La Theorisation De Sa Forme Et De Ses Fonctions. Diffusion de Boccard: Paris. Maiuri, A. (1955) Studi E Ricerche Sull'anfiteatro Flavio Puteolano. G. Macchiaroli: Napoli. Zevi, F. (1993) Puteoli. Banco di Napoli: Napoli. (2002) Italia Antiqua. Envois Degli Architetti Francesi (1811-1950), Italia E Area Mediterranea, Catalogo Della Mostra, In: Beaux-Arts, É.N.S.D., (ed). École nationale supérieure des beaux-arts: Parigi-Roma. Deruyt, C. (1983) Macellum: Marche Alimentaire Des Romains. Institut superieur d'archeologie et d'histoire de l'art, College Erasme: Louvain-la-Neuve. Demma, F. (2007) Monumenti Pubblici Di Puteoli: Per Un Archeologia Dell'architettura. "L'Erma" di Bretschneider: Roma. Sommella, P. (1978) Forma E Urbanistica Di Pozzuoli Romana, Puteoli, Studi Di Storia Antica; Vol. 2. [s.n.]: Napoli. Gialanella, C. (2000) Nova Antiqua Phlegraea: Nuovi Tesori Archeologici Dai Campi Flegrei Electa Napoli, Soprintendenza archeologica di Napoli e Caserta: Milano. Gros, P. (1996) L'architecture Romaine Du Dèbut Du liie Siècle Av. J.-C. À La Fin Du Haut-Empire. Picard èditeur: Paris. Humphrey, J. (1986) Roman Circuses: Arenas for Chariot Racing. B.T. Batsford Ltd: London.

Above sources are held at the British School at Rome library, available by accession numbers.

Printed original sources also held at the Archives of the *Soprintendenza Archaeologica di Napoli e Caserta*, available via card catalogue.

11. Language - please indicate which language(s) your dataset is in (e.g. English, French, Swahili).

English, Italian, French

12. Resource Type - is this dataset best described as primary data, processed data, an interpretation of data, or a final report?

Processed data, an interpretation of the data, final report

13. Format - please indicate what format your data is saved in (e.g. WordPerfect 5.1, HTML, AutoCAD).

MS word .doc, MS Excel .xls, AutoCAD 2010 .dwg, 3dsMax .max, GIS, .mxd .JPEG, TIFF

The completed form should be submitted to the ADS in **digital** form along with the deposited data that it describes, or via e-mail to Catherine Hardman at csh3@york.ac.uk



Archaeology Data Service: Raster Images Metadata Template

Please record below any raster images that you intend to submit to the ADS for archiving. A spreadsheet version of this file together with an example file is also available to download from the Guidelines for Depositors page. This table may also be expanded with the additional fields mentioned for raster images in the Guidelines.

File Name	Format	Caption
		Figure 1: Map of Italy and the Islands (after
Figure_1.jpg	JPEG Image	Rosenstein and Morstein-Marx: 2010)
		Figure 2: Map of Italy highlighting the
		mountain ranges (after LaFleur and Elliot:
Figure_2.pdf	PDF Document	2000-2001)
		Figure 3: Map of the Latium and
		Campanian regions (after Richard A.
Figure_3.pdf	PDF Document	LaFleur and Tom Elliot: 2000-2001)
		Figure 4: Orientation map of Campania
F	IDEO	showing landforms (after Dainelli 1913)
Figure_4.jpg	JPEG Image	F. F. D. J. L.
		Figure 5: Photo highlighting the contrasting
Figure 5 IDC	IDEC Images	elements of the campanian landscape
Figure_5.JPG	JPEG Image	(Photo by Elizabeth De Gaetano) Figure 6: Map showing the volcanic areas
		in the campanian region (copyright: Google
 Figure_6.jpg	JPEG Image	Earth)
r igure_o.jpg	JI La Illiage	Figure 7: Map with the ancient names for
		the various parts of the campanian region
Figure_7.jpg	JPEG Image	(Barrington Atlas: 2000)
1 1941 0_7 1,199	or La image	Figure 8: Map showing the volcanic craters
		in the area of the <i>Campi Flegrei</i> (copyright:
Figure_8.jpg	JPEG Image	Google Earth)
<u> </u>	Ĭ	Figure 9: Delli Falconi's A.D. 1539 gravure
		showing crustal deformation of Pozzuoli
		Bay in connection with 1538 volcanic
		eruption of Monte Nuovo (After Mohrange
Figure_9.jpg	JPEG Image	and Mariner 2006)
		Figure 10: Photo of the <i>Macellum</i> also
		commonly known as the Serapeum with
		the stained columns due to immersion
		(photo Elizabeth De Gaetano)
Figure_10.JPG	JPEG Image	
		Figure 11: The columns of the <i>Macellum</i> as
Figure 44 in a	IDEO Image	features on Charles Lyell's "Principles of
Figure_11.jpg	JPEG Image	Geology" first published in 1830
		Figure 12: Remains of Pozzuoli's Roman
		market, showing biological perforations up to height of 7 ± 10m above present
		biological sea level (After Mohrange and
Figure_12.jpg	JPEG Image	Mariner 2006)
i iguie_12.jpg	oi Lu illiage	IVIAITIGI 2000)

File Name	Format	Caption
		Figure 13a: Figure showing the local
		winds. Winds from the N/NW most
F: 40 :	IDEO I	common in the summer, are not shown
Figure_13a.jpg	JPEG Image	(After Heikell 2011)
		Figure 13b: Figures showing the
 Figure_13b.jpg	JPEG Image	predominant currents in the Mediterranean sea (After Heikell 2011)
r igure_rob.jpg	or La illiage	Figure 14a: Map of the Puteolean region
		(after Richard A. LaFleur and T. Elliot, N.
Figure_14a.pdf	PDF Document	Feldl, A. Retzleff, J. Uy : 2000-2001)
		Figure 14b: Map of Puteoli with the various
		regiones as outlined by Camodeca (after
Figure_14b.tiff	TIFF Image	Camodeca 1977)
		Figure 15 - Plan of the Puteoli
Figure_15.jpg	JPEG Image	amphitheatre (after Golvin: 1988)
		Figure 16: Plan of the subterranean area
		and section of the <i>Puteoli</i> amphitheatre
Figure_16.jpg	JPEG Image	(after Golvin 1988)
Tigato_To.jpg	or La illiage	Figure 17: Plan, section and isometric
		drawings of the Republican amphitheatre
Figure_17.jpg	JPEG Image	(after Sommella 1978)
		Figure 18: Plan of the Macellum of Puteoli
Figure_18.jpg	JPEG Image	(after De Ruyt: 1983)
		Figure 19: Plan of Pozzuoli's stadium (after
Figure_19.jpg	JPEG Image	Zevi:1993)
		Figure 20: Isometric drawing of the
		surviving remains of the Roman baths in
Figure_20.TIF	TIFF Image	Puteoli Soprintendenza Napoli e Caserta (SANC)
1 19410_20.111	Till Illiage	Figure 21: Plan of <i>Puteoli</i> with
		archaeological remains noted (after
		Zevi:1993)
Figure_21.tif	TIFF Image	·
		Figure 22: Plan of the Rione Terra
		promontory with areas marked for
Figure_22.jpg	JPEG Image	digitization (after Crimaco et al. 2001)
		Figure 23: Plan and sketch of the
		Capitoliun of Rione Terra (drawn by Sangallo reproduced in Crimaco et al:
Figure_23.jpg	JPEG Image	2001)
- 1 iguro_20.jpg	Ji La illiage	Figure 24: Plan and drawing of the façade
		of the <i>Maison Carrèe</i> at Nimes (after Jean
Figure_24.jpg	JPEG Image	Baptiste d'Agincourt: 1823)
	, and the second	Figure 25: Plan of the underwater remains
Figure_25.TIF	TIFF Image	in the Pozzuoli harbor (by SANC)
		Figure 26: Oultline of Rione Terra with
		hypothesized location of the <i>Emporium</i>
Figure 00 in a	IDEC Inc.	(Crimaco in Zevi 1993 - elaborated by F.
Figure_26.jpg	JPEG Image	Esposito)
Figure 27 ing	IPEG Imago	Figure 27: The <i>Bellori</i> drawing reproduced in DeCaro 2002
Figure_27.jpg	JPEG Image	III DECAIO 2002

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<u> </u>	Figure_50.jpg	JPEG Image	Pozzuoli (after Maiuri 1958, De Ruyt: 1983)

File Name	Format	Caption
		Figure 51: Plans of the Macellum in
Figure_51.jpg	JPEG Image	Pozzuoli (SANC)
		Figure 52: Section drawings of the
		vestibule in the <i>Macellum</i> (after Demma:
		2007)
Figure_52.tif	JPEG Image	
		Figure 53: Drawings of the <i>Macellum</i> by
Figure 50 in a	IDEO Image	Christie (as reproduced in <i>Italia Antiqua</i> :
Figure_53.jpg	JPEG Image	2002)
Figure 54 inc	IDEC Image	Figure 54: Watercolour reconstruction by
Figure_54.jpg	JPEG Image	Golvin (Golvin in Reddé: 2008) Figure 55: Volumetric reconstructions by
Figure 55 ing	JPEG Image	Demma (after Demma: 2007)
Figure_55.jpg	JI La illiage	Figure 56: Watercolour reconstructions by
		Christie (as reproduced in <i>Italia Antiqua</i> :
		2002)
Figure_56.jpg	JPEG Image	2502)
3====:1 =3	=======================================	Figure 57: Plan of some of the warehouses
Figure_57.tif	TIFF Image	in the area of <i>Porto Julio</i> (SANC)
	Ĭ	Figure 58: Section drawing of the <i>Horea</i>
Figure_58.jpg	JPEG Image	Aggrippianal (after Gros: 1996)
		Figure 59: Section drawing of the Horea
Figure_59.jpg	JPEG Image	Aggrippiana (after Gros: 1996)
		Figure 60: Watercolour reconstruction of
		Roman Puteoli by Golvin (Golvin in Reddé:
Figure_60.jpg	JPEG Image	2008)
		Figure 61: Plan of the stadium in Pozzuoli
Figure_61.jpg	JPEG Image	(SANC reproduced in Zevi 1993)
		Figure 62: Plan of the stadium in Pozzuoli
Figure_62.jpg	JPEG Image	(SANC reproduced in Gialanella: 2009)
		Figure 63: Section of the <i>Circus Maximus</i>
Figure 60 inc	IDEC Image	in Rome (reproduced in Humphrey: 1986)
Figure_63.jpg	JPEG Image	Figure 64: Costion drawing of the
		Figure 64: Section drawing of the ambulacro and the vomitaria of the
 Figure_64.jpg	JPEG Image	Stadium in Pozzuoli (SANC)
1 19010_0+1Jpg	or La illiage	Figure 65: Plan of the modern mole of
Figure_65.tif	TIFF Image	Pozzuoli (SANC)
J		Figure 66: Plan of the roman remains of
		the Pozzuoli mole as recorded by Dubois
Figure_66.tif	TIFF Image	(1907)
_		Figure 67: Section of the roman remains of
		the Pozzuoli mole as recorded by Dubois
Figure_67.tif	TIFF Image	(1907)
		Figure 68: Plan and isometric drawings of
		the visible remains of the Roman baths in
Figure_68.jpg	JPEG Image	Pozzuoli (SANC)
		Figure 69: Map of the underwater contour
		data (Istituto Idrografico della Marina, Italy:
Figure_69.JPG	JPEG Image	1987)
		Figure 70: Map of the underwater contours
Figure 70 TIF	TIEE	of Pozzuoli including the underwater
Figure_70.TIF	TIFF Image	remains of the <i>Portus Julius</i> (SANC)

File Name	Format	Caption
		Figure 71: Plan of the Rione Terra
		promontory in Pozzuoli with the annotated
		archaeological remains (after De Caro:
Figure_71.jpg	JPEG Image	2002)
		Figure 72: Plan of the Rione Terra
		promontory in Pozzuoli with the annotated
		archaeological remains (after Valeri: 2005)
Figure_72.tiff	TIFF Image	
		Figure 73: Landscape cross-section
		drawings with the positions of the major
Figure 70 in a	IDEC Image	archaeological remains (after Sommella
Figure_73.jpg	JPEG Image	1978)
		Figure 74: Plan and sections of the Rione Terra promontory with annotated spot
		heights above sea-level (SANC)
 Figure_74.TIF	TIFF Image	rieights above sea-level (SANC)
rigure_/4.111	Till illiage	Figure 75: Detail of map from Zevi's 1999
		gazetteer with outlines of the larger
		archaeological remains and stars used for
		the less recognisable remains (SANC as
		reproduced in Zevi 1999)
Figure_75.TIF	TIFF Image	,
		Figure 76: Plan of Pozzuoli highlighting the
		various areas as interpreted by Paolo
Figure_76.jpg	JPEG Image	Sommella (1978)
		Figure 77: Modern plan of Pozzuoli
		showing the areas of Via Carlo Maria
		Rosini (A) and Via Ragnisco (B) (Google
Figure_77.tiff	TIFF Image	Maps)
		Figure 78: Plan of Pozzuoli highlighting the
		various areas as interpreted by Paolo
Figure_78.jpg	JPEG Image	Sommella (1978)
		Figure 79: Plan of Pozzuoli showing the
Figure 70 in a	IDEC Image	hypothesised location of the town's <i>Forum</i>
Figure_79.jpg	JPEG Image	(after Camodeca 1977)
		Figure 80: Golvin's watercolour reconstruction placing the forum of
		Pozzuoli as suggested by Camodeca,
 Figure_80.jpg	JPEG Image	circled in red (Golvin in Reddè: 2008)
1	Ji La illiage	Figure 81: Render image of the camera
Figure_81_Ostrow_1.jpg	JPEG Image	labelled Ostrow_1 (EDG)
ga.o_oo.uon_1.jpg	3. 23 mago	Figure 82: Render image of the camera
Figure_82_Ostrow_2.jpg	JPEG Image	labelled Ostrow_2 (EDG)
J		Figure 83: Render image of the camera
Figure_83_Ostrow_3.jpg	JPEG Image	labelled Ostrow_3 (EDG)
		Figure 84: Buildings represented in the
		Bellori drawing compared with the
		conceptual buildings reconstructed digitally
		(EDG)
Figure_84.rtf	RTF file	
		Figure 85: Suggested viewer by Golvin
Figure_85.jpg	JPEG Image	(2008)
		Figure 86: Render image of the camera
Figure_86_Golvin_1.jpg	JPEG Image	labelled Golvin_1 (EDG)

File Name	Format	Caption
		Figure 87: Render image of the camera
Figure_87_Golvin_2.jpg	JPEG Image	labelled Golvin_2 (EDG)
		Figure 88: Render image of the camera
Figure_88_Golvin_3.jpg	JPEG Image	labelled Golvin_3 (EDG)
		Figure 89: Comparison of reconstructed
Figure_89.rtf	RTF file	image (EDG)
F: 00 1/	DTE (1)	Figure 90: Comparison of reconstructed
Figure_90.rtf	RTF file	image highlighting Rione Terra (EDG)
Figure Od wif	DTC #IA	Figure 91: Comparison of reconstructed
Figure_91.rtf	RTF file	image of the central area of the port (EDG) Figure 92: Comparison of reconstructed
 Figure_92.rtf	RTF file	image of Rione Terra (EDG)
rigure_92.iti	Titti ille	Figure 93: Comparison of reconstructed
Figure_93.rtf	RTF file	image with camera facing the mole (EDG)
1 1941 0_00.111	1111 1110	Figure 94: Digital image with camera lens
		at 20mm (EDG)
Figure_94_20mm.jpg	JPEG Image	
		Figure 95: Digital image with camera lens
Figure_95_35mm.jpg	JPEG Image	at 35mm (EDG)
		Figure 96: Digital image with camera lens
		at 135mm (EDG)
Figure_96_135mm.jpg	JPEG Image	
E	10501	Figure 97: Digital image with lighting set to
Figure_97_135mm_0700h.jpg	JPEG Image	07.00h (EDG)
Figure 00 105 0000h in a	IDEC Images	Figure 98: Digital image with lighting set to
Figure_98_135mm_0800h.jpg	JPEG Image	08.00h (EDG) Figure 99: Digital image with lighting set to
Figure_99_135mm_1400h.jpg	JPEG Image	14.00h (EDG)
1 igure_99_133iiiii_1400ii.jpg	Ji La illiage	Figure 100: Digital image with lighting set
Figure_100_135mm_1900h.jpg	JPEG Image	to 19.00h (EDG)
	01 = 01	Figure 101: Digital image with lighting set
Figure_101_35_135mm_2000h.jpg	JPEG Image	to 20.00h (EDG)
	JPEG Image	Figure 102: Hypothetical view of camera
		looking out towards the sea from the
Figure_102.jpg		columns of the Capitolium (EDG)
	JPEG Image	Plate 1: Photo of the promontory of Rione
Plate 4 to		Terra at dusk (photographer looking north)
Plate_1.jpg	IDEO L.	(copyright Panoramio)
	JPEG Image	Plate 2: Photo of the promontory of Rione
Plate 2 ing		Terra during the day (photographer looking
Plate_2.jpg	JPEG Image	north) (copyright Panoramio) Plate 3: Photo of the promontory of Rione
	or La illiage	Terra at dusk (photographer looking north
Plate_3.jpg		east) (copyright Panoramio)
	JPEG Image	Plate 4: Photo of the promontory of Rione
		Terra at dusk (photographer looking north
Plate_4.jpg		east) (copyright Panoramio)
	JPEG Image	Plate 5: Photo of the promontory of Rione
		Terra (photographer looking north east but
Plate_5.jpg		from further afield) (Copyright Panoramio)

File Name	Format	Caption
	JPEG Image	Plate 6: Photo taken directly in front of the
		seaward tip of the harbour mole (Copyright
Plate_6.jpg		Panoramio)
	JPEG Image	Plate 7: Photo taken from the right-hand
		side again at the extremity of the modern
Plate_7.jpg		mole (Copyright Panoramio)
		Plate 8: Close up photo of the Rione Terra
		taken southwest (left of) the harbour mole
Plate_8.jpg		(Copyright Panoramio)
DI . O.	JPEG Image	Plate 9: Photo taken just in front of the bay
Plate_9.jpg	IDEO L	of Pozzuoli (Copyright Panoramio)
	JPEG Image	Plate 10: Photo taken from the sea
		showing a considerable portion (but not all)
Plata 10 ina		of the town and gulf of Pozzuoli (Copyright
Plate_10.jpg	JPEG Image	Panoramio) Plate 11: Photo taken from the SE
	or EG illiage	(photographer looking NW) of Rione Terra
Plate_11.jpg		(Copyright Panoramio)
1 1410_11.JP9	JPEG Image	Plate 12: Photo taken from more or less
	or La illiago	the same distance (if perhaps a little
		further away) but SW of Rione Terra
		(photographer looking NE) (Copyright
Plate_12.jpg		Panoramio)
_ ,, 0	JPEG Image	Plate 13a: Possibly a photo of Monte
		Nuovo which dominates the coastline from
		this viewpoint as is evidenced by how
		dwarfed the buildings below (Copyright
Plate_13a.jpg		Panoramio)
	JPEG Image	Plate 13b: image taken from a SW
		(photographer looking NE) direction left of
		the harbour mole with contrast digitally
Plate _13b.jpg	IDEO I	enhanced (Copyright Panoramio)
	JPEG Image	Plate 14: Comparison of Google Earth
		(copyright Google Earth) image compared
Plate_14.tiff		with photo taken from Castello di Baia
1 14.0 14.1111	Tiff Image	Plate 15: Google image with the viewing
	i iii iiiiaye	locations as mentioned by Miniero
Plate_15.jpg		100ations as montioned by Williams
	JPEG Image	Plate 16: G Hoefnagel (Cologne 1572-
	= = =	1598) for the <i>Civitates Orbis Terrarum</i> by
		G. Braun
Plate_16.jpg		
•	JPEG Image	Plate 17: Topographic map by N. Van
Plate_17.jpg		Aelst (1527-1612)
	JPEG Image	Plate 18: Mario Cartaro Ager Puteolanus
		(Rome 1584)
Plate_18.jpg		
		Plate 19: Francesco Villamena's Ager
Dist. 40-1890 - 401-199	T''' 1	Puteolanus
Plate_19a.tiff/Plate_19b.tiff	Tiff Image	Physical A. M. Communication of the state of
		Plate 20: Agro Neapoletano published in
Plata 20 inc	IDEC Imaga	1793
Plate_20.jpg	JPEG Image	

File Name	Format	Caption
	JPEG Image	Plate 21: Nullus in orbe locus praelucet
		amoenis Baiis - G. Hoefnagel (engraving)
Plate_21.jpg		
	JPEG Image	Plate 22: Explicatio aliquot locorum quae
Plate_22.jpg		Puteolis spectantur - N. Van Aelst
	JPEG Image	Plate 23: Jacobo Lauro Topographia
DI L. CO.		Puteolorum (1626)
Plate_23.jpg	IDEC	
	JPEG Image	Plate 24: Carte du Golf de Pouzzoles avec
		une partie des Champs Plégréens dans la Terre de Labour , F.e Pietro de la Vega
		(drawing) Perrier e Drouet (engraving)
Plate_24.jpg		(drawling) Ferrier e Drodet (engraving)
1 late_24.jpg	JPEG Image	Plate 25 : <i>Amphithèatre de Pozzuol</i> , Des
	or La image	Moulin (engraving), Varin (drawing)
		(etching)
Plate_25.jpg		(0.09)
<u></u>	JPEG Image	Plate 26: Veduta di Pozzuoli da oriente, P.
Plate_26.jpg		Fabris (copper outline and watercolour)
	JPEG Image	Plate 27: Veduta presa da sopra Pozzuoli,
Plate_27.jpg		P. Fabris (copper outline and watercolour)
	JPEG Image	Plate 28: Veduta degli avanzi di tredici pile
		dell'antico porto di Pozzuoli - Ph. Morghen
Plate_28.jpg		(engraving)
	JPEG Image	Plate 29: Veduta dell' Antico Tempio
		Pseudoperittero che è in Pozzuoli - Ph.
Plate_29.jpg		Morghen (engraving)
	JPEG Image	Plate 30: Veduta a Ponente degli avanzi di
		un insigne edificio in Pozzuoli da molti
Dieta 00 in a		creduto il Tempio di Serapide F.
Plate_30.jpg	IDEO Imagenta	Morghen (engraving)
	JPEG Image	Plate 31: Veduta di Pozzuoli presa dal
Plate 21 ing		monte nuovo - Ph. Hackert, W.F. Gmelin
Plate_31.jpg	JPEG Image	(engraving) Plate 32: Cross-section of the <i>Plastico</i>
	ored illiage	model reconstruction of the <i>Macellum</i>
Plate_32.JPG		(Based on Christie's watercolour) (EDG)
1 1410_02.01 4	JPEG Image	Plate 33: Photo of the rooftop details of the
	or La illiago	Plastico model reconstruction of the
		Macellum (Based on Christie's
Plate_33.JPG		watercolour) (EDG)

File Name	Format	Caption
	JPEG Image	Plate 34: Cross-section of the <i>Plastico</i>
		model reconstruction of the Macellum
Plate_34.JPG		(Based on Christie's watercolour) (EDG)
	JPEG Image	Amphitheatre screenshot 1: Plan of the
		amphitheatre in Pozzuoli digitised in
SS_Amph1.jpg		AutoCAD (EDG)
	JPEG Image	Amphitheatre screenshot 2: Plan of the
		amphitheatre in Pozzuoli with addition of
SS_Amph2.jpg		seating in AutoCAD (EDG)
		Amphitheatre screenshot 3: Addition of
		portico elevation drawing in AutoCAD
SS_Amph3.tiff		(EDG)
	JPEG Image	Amphitheatre screenshot 4: Creation of
SS_Amph4.jpg		underground vaults in 3ds Max (EDG)
	JPEG Image	Amphitheatre screenshot 5: Building of
SS_Amph5.jpg		amphitheatre portico in 3ds Max (EDG)
	JPEG Image	Amphitheatre screenshot 6: Exterior of
		amphitheatre with mental ray lighting in
SS_Amph6.jpg		3ds Max (EDG)
	JPEG Image	Amphitheatre screenshot 7: Cross-section
		of the amphitheatre showing the columns
SS_Amph7.jpg		on the upper tier of the seating (EDG)
		Capitolium screenshot 1: Digitised section
		of the Capitolium in AutoCAD (EDG)
SS_Capit1.tiff	Tiff Image	
		Capitolium screenshot 2: Digitised plan of
SS_Capit2.tiff	Tiff Image	the Capitolium in AutoCAD (EDG)
	JPEG Image	Capitolium screenshot 3: Volumetric model
SS_Capit3.jpg		of the Capitolium in 3ds Max (EDG)
	JPEG Image	Capitolium screenshot 4: Simple colours
		used in the render of the <i>Capitolium</i> of
SS_Capit4.jpg	IDEO I	Pozzuoli (EDG)
	JPEG Image	Landscape screenshot 1: Contour data
SS_Land1.jpg		imported into 3ds Max (EDG)
		Landscape screenshot 2: Screenshot
00 1 10 1/4	Tiff line a con-	showing contour data in AutoCAD (SANC)
SS_Land2.tiff	Tiff Image	Landanana anna salata 2 C
		Landscape screenshot 3: Contour data as
		evidenced in GIS showing missing contour
SS land2 inc	IDEC Image	data (EDG)
SS_land3.jpg	JPEG Image	Londonno paramakat 4. A. ta CAD
		Landscape screenshot 4: AutoCAD
		contour map showing missing contour
SS_Land4.tiff	Tiff Image	areas (SANC)
30_Lanu4.tiii	Tiff Image JPEG Image	Landscape screenshot 5: Sommella's
	JEG IIIIage	cross-sections being inserted into 3ds Max
		to help with the addition of missing terrain
SS Land5 ing		· · · · · · · · · · · · · · · · · · ·
SS_Land5.jpg	JPEG Image	information (EDG) Landscape screenshot 6: Volumetric
	ored illiage	reconstruction of the (hypothetical) Rione
SS Land6 inc		
SS_Land6.jpg		Terra promontory in 3ds Max (EDG)

	Tiff Image	Landscape screenshot 7: AutoCAD map with digitised archaeological remains added to the Rione Terra in addition to Zevi's gazetteer (1993) (EDG)
SS_Land7.tiff		

File Name	Format	Caption
	Tiff Image	Landscape screenshot 8: AutoCAD map
		with digitised archaeological remains as
00 1 10 1111		noted in Zevi's gazetteer (1993) (EDG)
SS_Land8.tiff	Tiff Image	Landagana saraanahat O: AutoCAD man
	Tiff Image	Landscape screenshot 9: AutoCAD map of Pozzuoli with various commercial areas
		as hypothesized by Sommella (1978)
SS_Land9.tiff		(EDG)
	JPEG Image	Landscape screenshot 10: Data attached
		to volumetric models in 3ds Max (EDG)
SS_Land10.jpg		
00 1 144 !	JPEG Image	Landscape screenshot 11: Imported main
SS_Land11.jpg	IDEC Image	monuments in the overall landscape (EDG)
	JPEG Image	Landscape screenshot 12: Simple conceptual extrusion of the imported
		AutoCAD lines in 3ds Max (EDG)
SS_Land12.jpg		Title of the midd in odd Max (LDG)
_ <i>,,</i> ,	JPEG Image	Landscape screenshot 13: Simple
		conceptual extrusion of the imported
		AutoCAD lines in 3ds Max (EDG)
SS_Land13.jpg	IDEO L	I and a second and a little of the Cont
	JPEG Image	Landscape screenshot 14: Hypothetical
		volumetric models used in the gap filling process with simple colours and layers
		attached (EDG)
SS_Land14.jpg		(== 5)
	JPEG Image	Landscape screenshot 15: Hypothetical
		volumetric models used in the gap filling
00 1 145 1		process with simple colours and layers
SS_Land15.jpg		attached (EDG) Landscape screenshot 16: Screenshot
		showing the various layers used during the
		volumetric modelling of hypothetical gap-
		filling buildings in 3ds Max (EDG)
SS_Land16		
		Macellum screenshot 1: Digitised plan of
		the Macellum in AutoCAD (EDG)
SS_Macell1.tiff	Tiff Image	Manadhum ann aichte O. B. W
		Macellum screenshot 2: Digitised section of the Macellum in AutoCAD (EDG)
SS_Macell2.tiff	Tiff Image	of the Macellulli III Autocad (EDG)
	JPEG Image	Macellum screenshot 3: Volumetric
		reconstruction of the vestibule of the
SS_Macell3.jpg		Macellum In 3ds Max (EDG)
	JPEG Image	Macellum screenshot 4: Volumetric
		reconstruction of the vestibule of the
CC Magall4 inc		Macellum In 3ds Max with addition
SS_Macell4.jpg	JPEG Image	interpretive element by Christie (EDG) Macellum screenshot 5: Volumetric
	JFEG IIIIage	reconstruction of the vestibule of the
SS_Macell5.jpg		Macellum In 3ds Max (EDG)
· · · · · · · · · · · · · · · ·	JPEG Image	Macellum screenshot 6: Conjectural
	1.0	volumetric interpretations of the exterior of
SS_Macell6.jpg		the Macelluml (EDG)

File Name	Format	Caption
	JPEG Image	Macellum screenshot 7: Conjectural
		volumetric interpretations of the exterior of
SS_Macell7.jpg		the Macellum (EDG)
	JPEG Image	Macellum screenshot 8: Render of the
00.14		central tholos of the Macellum using simple
SS_Macell8.jpg	IDEO I	white colours (EDG)
	JPEG Image	Macellum screenshot 9: Render of the
SS MagallO ing		central <i>tholos</i> of the <i>Macellum</i> using simple
SS_Macell9.jpg	JPEG Image	white and terracotta colours (EDG) Harbour mole screenshot 1: Volumetric
	JPEG Illiage	reconstruction of the harbour mole in 3ds
SS_Molo1.jpg		Max (EDG)
	JPEG Image	Harbour mole screenshot 2: Render with
	or La illago	simple colours of the harbour mole in 3ds
SS_Molo2.jpg		Max (EDG)
	JPEG Image	Porto Julio screenshot 1: Volumetric
		reconstruction of warehouse rooms in 3ds
SSPorto_Jul1.jpg		Max (EDG)
	JPEG Image	Porto Julio screenshot 2: Volumetric
		reconstruction of the hypothetical balcony
SSPorto_Jul2.jpg		elements in 3ds Max (EDG)
	JPEG Image	Porto Julio screenshot 3: Render of the
		Porto Julio hypothetical façade using
000		simple colours in 3ds Max (EDG)
SSPorto_Jul3.jpg	IDEC Image	Stadium screenshot 1: Volumetric
	JPEG Image	reconstruction of the Stadium of Pozzuoli
SS_Stadio1.jpg		in 3ds Max (EDG)
OO_Gladio 1.jpg	JPEG Image	Stadium screenshot 2: Volumetric
	or La illiage	reconstruction of the Stadium of Pozzuoli
SS_Stadio2.jpg		in 3ds Max (EDG)
	JPEG Image	Stadium screenshot 3: Hypothesized
	ago	exterior of the stadium compared to
SS_stadio3.jpg		screenshot 2 (EDG)





Worksheet Name	Worksheet purpose	Number of rows	Field name	Description
LANDSCAPE	Documentation	d	DSCAPE ELEMENT(S), Vector data (Layers) used, Raster data used for element, Provenance, Notes, GIS OUPUT (ArcMap), as on, VUE OUTPUT, Notes on.	Progressive note taking of the reconstruction process of the landscape elements.
MAIN MONUMNETS	Documentation	(m), on t	ONUMENT , Length (m), Width , Height (m), Notes, Work to do the model, Images used for the Model, Sourced from, Used for, Output	Progressive note taking of the reconstruction process of the individual monuments and their elements.
GAP FILLING	Cross checking of data sources		ument type, CrossRef No. Zevi, Ref No. Sommella, Sommella gazzetteer References (pages), Other references, notes on:	Initial cross-checking exercise between the numbers used in the gazzetteer published by Zevi and the earlier one by Sommella.
Sommella Gazetteer	Breaking down of complex information	4 Secto	tor 1, Sector 2, Sector 3, Sector 4,	A list of the archaeology as Documwnted by Paolo Sommella in?

Zevi Gazzeteer

Breaking down of complex information

22 Tablet no., Arch no., Road, Type of remains, Initial description or identification, Association, Described quantity/Surviving remains, Material and/or opera type, Material and/or opera type, Commonly known as, date assigned, Secondary remains, Description, Association, Quantity, Material, Commonly known as, Third set remains, Third set Association, Third set Material, Associated Bibliography

t no., Arch no., Road, Type of remains, Initial description or identification, Association, Described quantity/Surviving emains, Material and/or opera e, Material and/or opera type, Commonly known as, date

An excercise in breaking down as much of the archaeological data listed in Zevi's (1990) gazetteer to glean as much information about each archaeological element and to then see if this information could then be used during the modelling process.



Archaeology Data Service: CAD and Vector Images Metadata template

Please record below any CAD/vector images that you intend to submit to the ADS for archiving. A spreadsheet version of this file together with an example file is also available to download from the Guidelines for Depositors page.

CAD (Landscape)

File Name	Software	Conventions	Notes	Caption
			Soprintendenza	•
			Archaeologica di Napoli e	
Contours.dwg	AutoCAD 2010	n/a	Caserta	n/a
			Soprintendenza	
			Archaeologica di Napoli e	
Contours_Annotation.dwg	AutoCAD 2010	n/a	Caserta	n/a
			Soprintendenza	
			Archaeologica di Napoli e	
Contours_Polygons.dwg	AutoCAD 2010	n/a	Caserta	n/a
			Soprintendenza	
			Archaeologica di Napoli e	
Contours_Points.dwg	AutoCAD 2010	n/a	Caserta	n/a
			Soprintendenza	
			Archaeologica di Napoli e	
Pozzuoli_Bathymetry.dwg	AutoCAD 2010	n/a	Caserta	n/a

CAD (Stadium)

File Name	Software	Conventions	Notes	Caption
		Raster Images = blue, Scale = red		
		Dashed lines = Hypothesized	Digitised by EDG from	
Stadium.dwg	AutoCAD 2010	lines, text = cyan	plan = Zevi_scan.jpg	n/a
_		Raster Images = blue, Scale = red		
		Dashed lines = Hypothesized	Digitised by EDG from	
Stadium_section.dwg	AutoCAD 2010	lines, text = cyan	plan = Humphrey_Section	n/a

CAD (Macellum)

File Name	Software	Conventions	Notes	Caption
			Digitised by EDG from	
MAC_Plan.dwg	AutoCAD 2010	Raster Images = blue, Scale = red	plan = DeRuyt: 1983	n/a
			Digitised by EDG from	
			plan of = Exedra	
MAC_Section.dwg	AutoCAD 2010	Raster Images = blue, Scale = red	projection.tif	n/a

CAD (Temple of Augustus)

File Name	Software	Conventions	Notes	Caption
			Digitised by EDG from	
Temple_Plan.dwg	AutoCAD 2010	Raster Images = blue, Scale = red	plan = Plan.jpg	n/a
		Raster Images = blue, Scale = red		
		Different architectural groups on	Digitised by EDG from	
Temple_section.dwg	AutoCAD 2010	separate layers.	plan = SectionA_A	n/a

CAD (Rione Terra)

File Name	Software	Conventions	Notes	Caption
		Raster Images = blue, Scale =		
		red, singular elements on	Digitised by EDG from	
RioneTerra_Plan.dwg	AutoCAD 2010	individual layers.	plan(s) of DeCaro118.jpg	n/a
		Raster Images = blue, Scale =	Digitised by EDG from	
		red, singular elements on	plan(s) of	
RioneTerra_Elevations.dwg	AutoCAD 2010	individual layers.	Sommella080.jpg	n/a
		Raster Images = blue, Scale =	Digitised by EDG from	
		red, singular elements on	plan(s) of	
Plan_Elevation.dwg	AutoCAD 2010	individual layers.	tavola_0001.TIF	n/a

CAD (Tempio di Nettuno)

File Name	Software	Conventions	Notes	Caption
		Raster Images = blue, Scale =	Digitised by EDG from	
		red, singular elements on	plan(s) of Plan:crop.tif and	
Bath_Plan.dwg	AutoCAD 2010	individual layers.	sanc_011.jpg	n/a
		Raster Images = blue, Scale =		
		red, singular elements on	Digitised by EDG from	
Bath_iso.dwg	AutoCAD 2010	individual layers.	plan(s) of sanc_12.TIF	n/a

CAD (Porto Julio Warehouses)

File Name	Software	Conventions	Notes	Caption
Warehouses1.dwg	AutoCAD 2010	Raster Images = blue, Scale = red, singular elements on individual layers.	Digitised by EDG from plan(s) of tavola 0016.tif	n/a
Warehouses2.dwg	AutoCAD 2010	Raster Images = blue, Scale = red, singular elements on individual layers.	Digitised by EDG from plan(s) of tavola_0009.tif	n/a
Warehouses3.dwg	AutoCAD 2010	Raster Images = blue, Scale = red, singular elements on individual layers.	Digitised by EDG from plan(s) of tavola_0016.tif	n/a

		Raster Images = blue, Scale =		n/a
		red, singular elements on	Digitised by EDG from	
WH_Sec_Aggri_Divided.dwg	AutoCAD 2010	individual layers.	plan(s) of img_001.jpg	
		Raster Images = blue, Scale =		n/a
		red, singular elements on	Digitised by EDG from	
WH_Sec_Aggrippina.dwg	AutoCAD 2010	individual layers.	plan(s) of img_001.jpg	
		Raster Images = blue, Scale =		n/a
		red, singular elements on	Digitised by EDG from	
WH_Sec_Partial.dwg	AutoCAD 2010	individual layers.	plan(s) of img_002.jpg	

CAD (Amphitheatre)

File Name	Software	Conventions	Notes	Caption
			Digitised by EDG from	n/a
			plan(s) of	
			Amphitheatre003.jpg,	
			Amphitheatre0031.jpg,	
		Raster Images = blue, Scale =	Plan_001.jpg,	
A consistent A III also con		red, singular elements on	Subterrean_Theatre.jpg,	
Amph_All.dwg	AutoCAD 2010	individual layers.	Theatre_Section.jpg.	
		Raster Images = blue, Scale =		n/a
Assault Disas dessa		red, singular elements on	Digitised by EDG from	
Amph_Plan.dwg	AutoCAD 2010	individual layers.	plan(s) of Plan_001.jpg.	
		Raster Images = blue, Scale =	Digitised by EDG from	n/a
Accords Disco Outs door		red, singular elements on	plan(s) of	
Amph_Plan_Sub.dwg	AutoCAD 2010	individual layers.	Subterrean_Theatre.jpg	
		Raster Images = blue, Scale =	Digitised by EDG from	n/a
Amanh Castian dura	A 1: OAD 0040	red, singular elements on	plan(s) of	
Amph_Section.dwg	AutoCAD 2010	individual layers.	Theatre_Section.jpg.	
		Raster Images = blue, Scale =	Digitised by EDG from	n/a
Area b Delegan dua	A 1: OAD 0040	red, singular elements on	plan(s) of	
Amph_Balcony.dwg	AutoCAD 2010	individual layers.	Amphitheatre003.jpg.	
		Raster Images = blue, Scale =	Digitised by EDG from	n/a
Doubles door	4 4 045 0040	red, singular elements on	plan(s) of	
Portico.dwg	AutoCAD 2010	individual layers.	Amphitheatre0031.jpg	

CAD (Harbour Mole)

File Name	Software	Conventions	Notes	Caption
		Raster Images = blue, Scale =	Digitised by EDG from	n/a
		red, singular elements on	plan(s) of	
Molo_plan.dwg	AutoCAD 2010	individual layers.	MoloPlan_Dubois.tif	
		Raster Images = blue, Scale =	Digitised by EDG from	n/a
		red, singular elements on	plan(s) of	
Molo_section.dwg	AutoCAD 2010	individual layers.	MoloSection_Dubois.tif	

Other vector images (3dsMax files)

File Name	Software	Conventions	Notes	Caption	
Landscape_FINAL.max	3dsMax	Singular elements on individual layers.		n/a	
Stadio_27_06_12.max	3dsMax	Singular elements on individual layers.		n/a	
Macellum_26_06_12_A.max	3dsMax	Singular elements on individual layers.		n/a	
Macellum_26_06_12_B.max	3dsMax	Singular elements on individual layers.		n/a	
TempleAUG_26_06_12.max	3dsMax	Singular elements on individual layers.		n/a	
PI_WH01_27_06_12materials.max	3dsMax	Singular elements on individual layers.		n/a	
Amphitheatre_Full_26_6_12.max	3dsMax	Singular elements on individual layers.		n/a	
Mole_28_06_12.max	3dsMax	Singular elements on individual layers.		n/a	
GF_ALL_Elements_30_06_12_FINAL_1.max	3dsMax	Singular elements on individual layers.		n/a	