

Making wine for the Emperor on the Roman imperial estate at Vagnari (Italy)

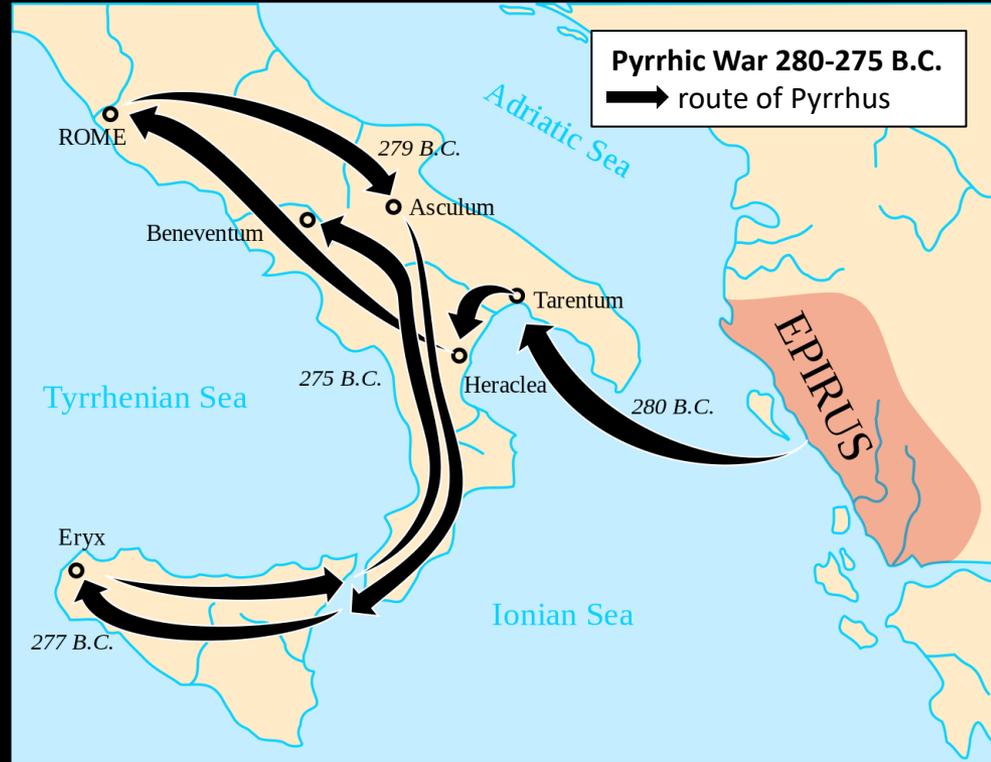


Maureen Carroll
Department of Archaeology

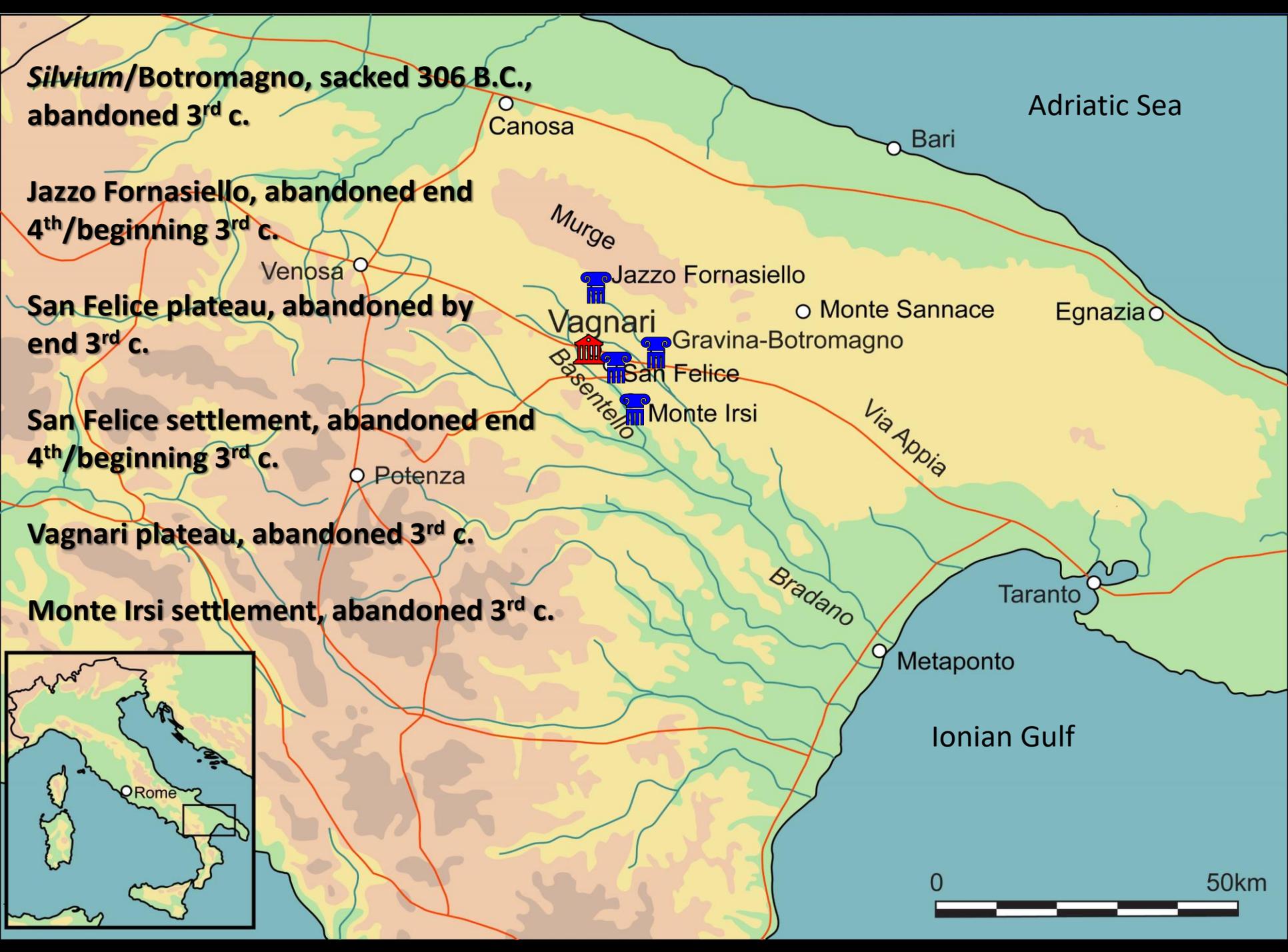


Silvium / Botromagno





ager publicus



**Silvium/Botromagno, sacked 306 B.C.,
abandoned 3rd c.**

**Jazzo Fornasiello, abandoned end
4th/beginning 3rd c.**

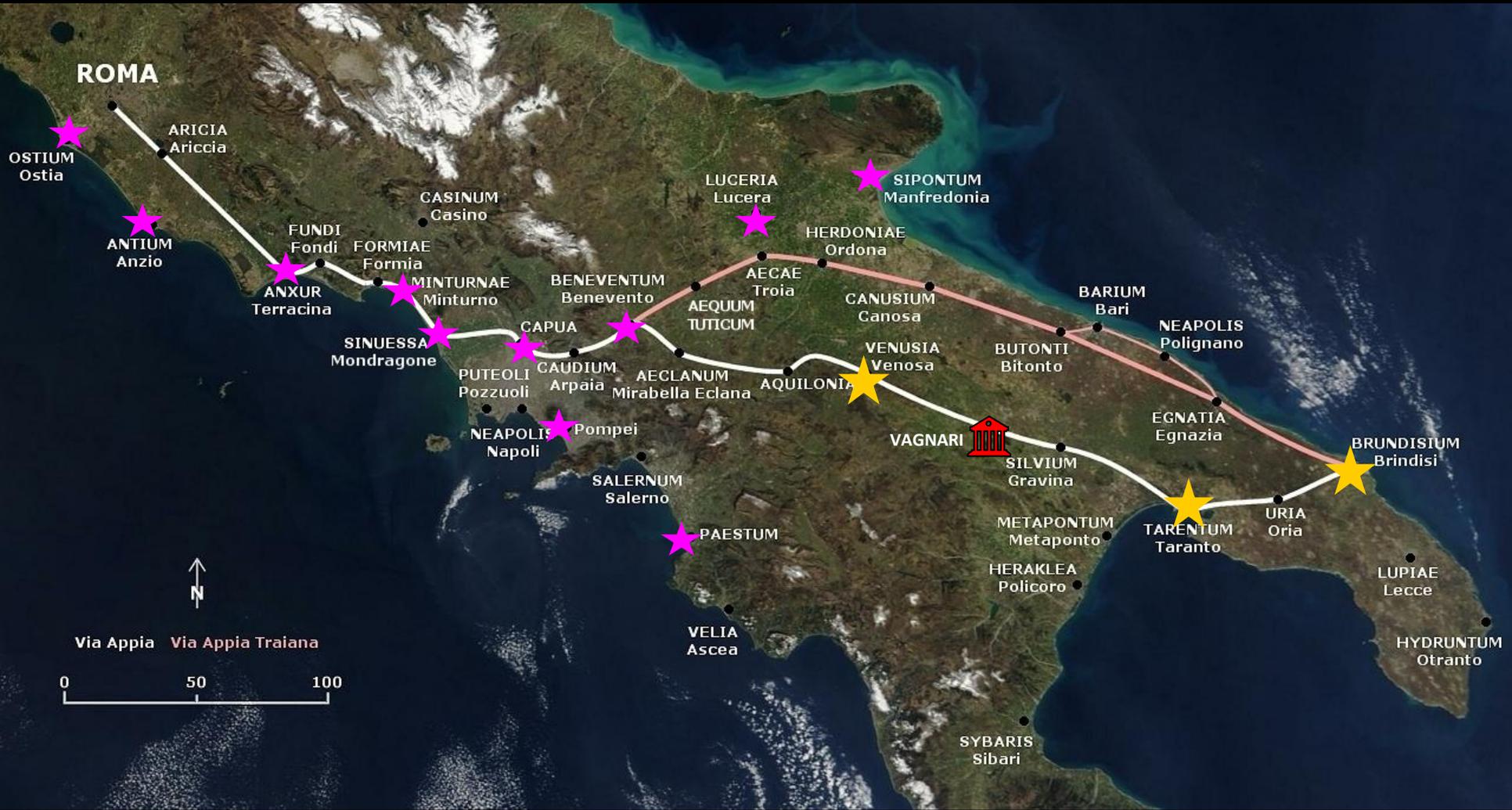
**San Felice plateau, abandoned by
end 3rd c.**

**San Felice settlement, abandoned end
4th/beginning 3rd c.**

Vagnari plateau, abandoned 3rd c.

Monte Irsi settlement, abandoned 3rd c.





ROMA

ARICIA
Ariccia

OSTIUM
Ostia

ANTIUM
Anzio

FUNDI
Fondi

FORMIAE
Formia

ANXUR
Terracina

MINTURNAE
Minturno

SINUSSA
Mondragone

BENEVENTUM
Benevento

CAPUA

PUTEOLI
Pozzuoli

CAUDIUM
Arpaia

NEAPOLIS
Napoli

AECLANUM
Mirabella Eclana

POMPEI

SALERNUM
Salerno

PAESTUM

VELIA
Ascea

LUCERIA
Lucera

AEQUUM
Tuticum

AQUILONIA

VENUSIA
Venosa

VAGNARI



SILVIUM
Gravina

METAPONTUM
Metaponto

HERAKLEA
Policoro

SYBARIS
Sibari

HERDONIAE
Ortona

AECAE
Troia

CANUSIUM
Canosa

BUTONTI
Bitonto

EGNATIA
Egnazia

TARENTUM
Taranto

URIA
Oria

LUPIAE
Lecce

HYDRUNTUM
Otranto

SIPONTUM
Manfredonia

BARIUM
Bari

NEAPOLIS
Polignano

BRUNDISIUM
Brindisi

BRUNDISIUM
Brindisi

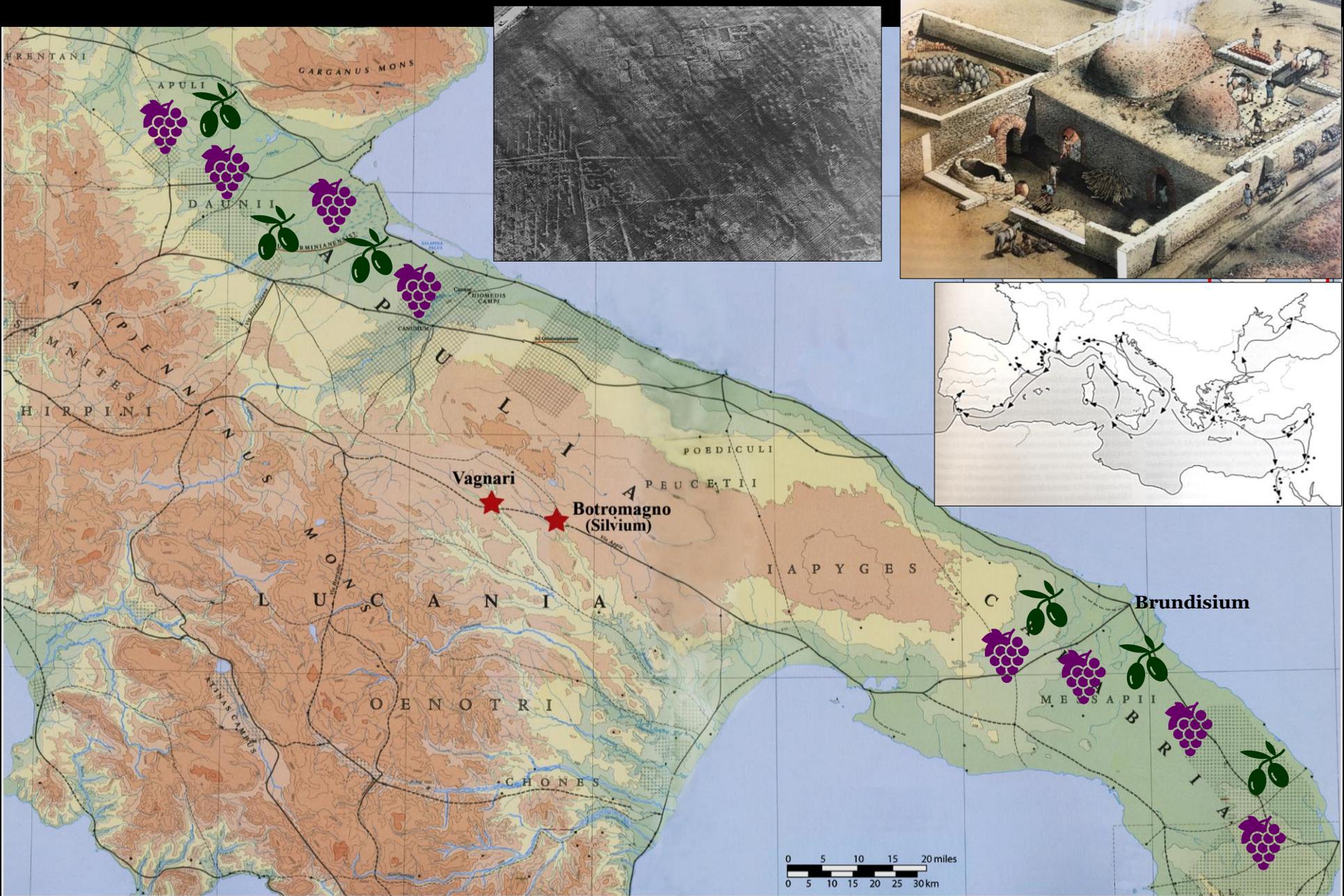
LUPIAE
Lecce

HYDRUNTUM
Otranto

Via Appia Via Appia Traiana

0 50 100

VIA APPIA

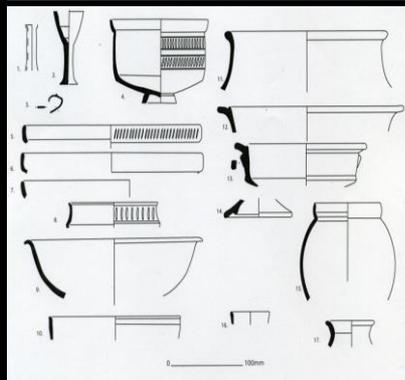


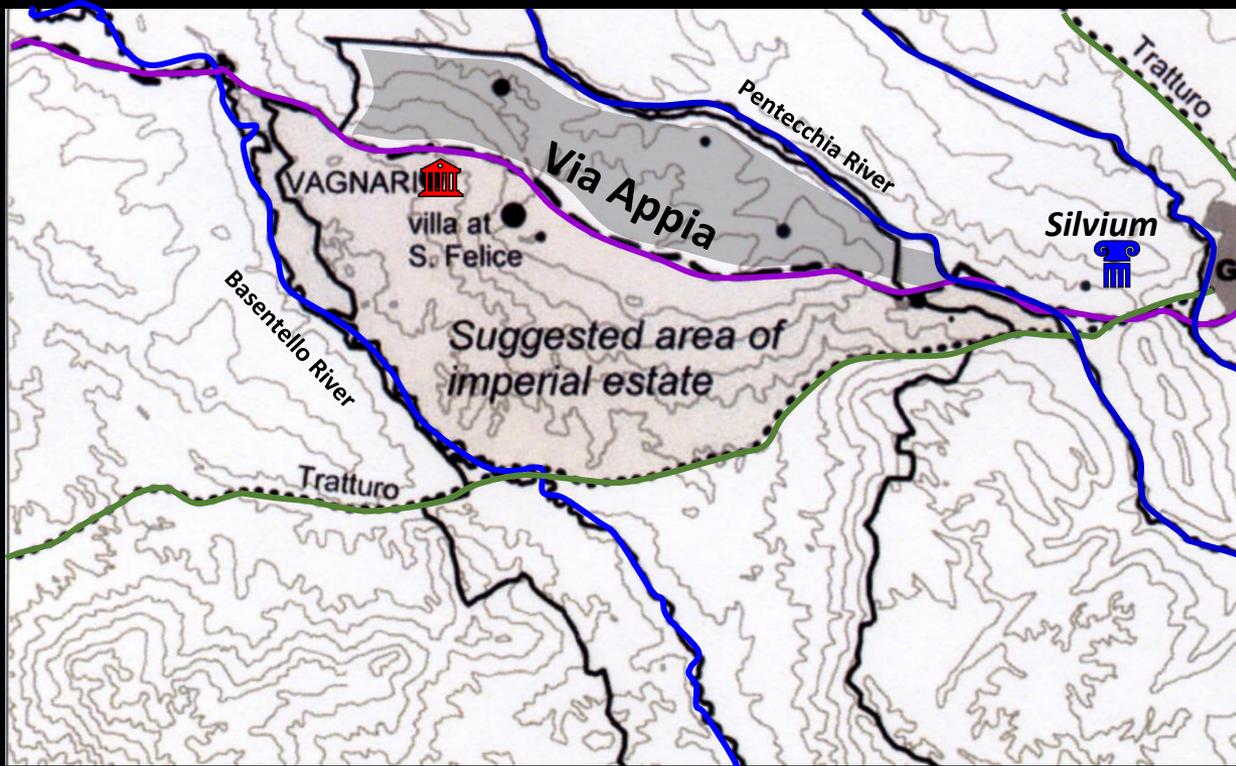
Centuriation

Silvium / Botromagno:
second half 2nd c. B.C. new villa &
subsidiary buildings, new settlers; ca. 80-70
B.C. abandoned

Vagnari vicus:
2nd c. B.C. new settlement/farm, ends mid-
to late 1st c. B.C.

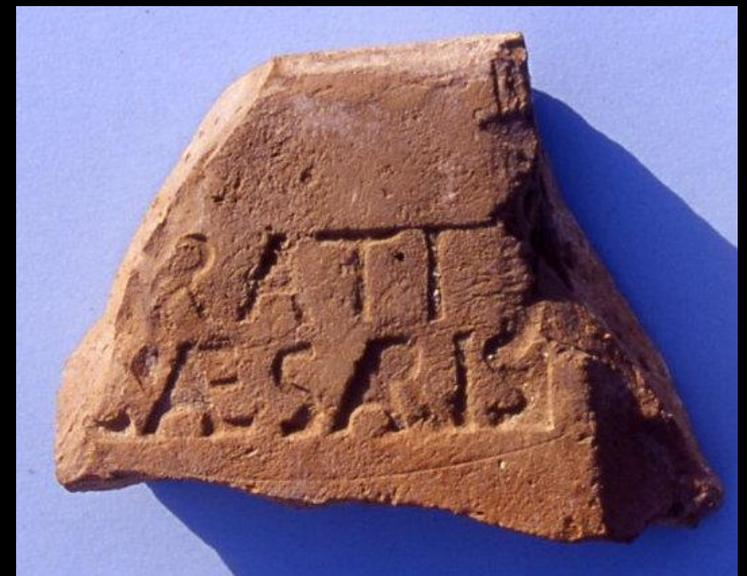
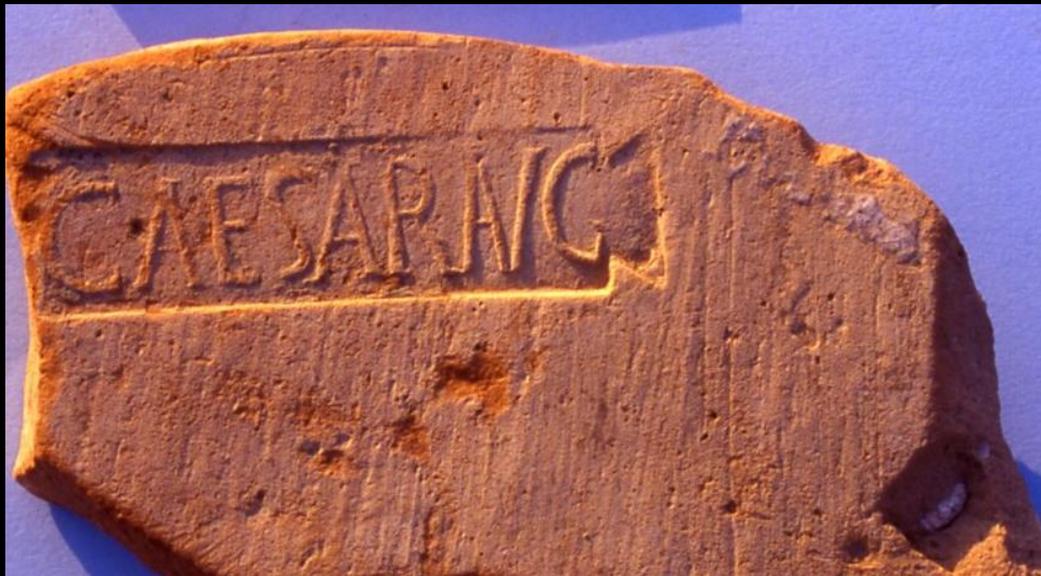
Monte Irsi:
second half 2nd c. B.C. new villa built over
ruins





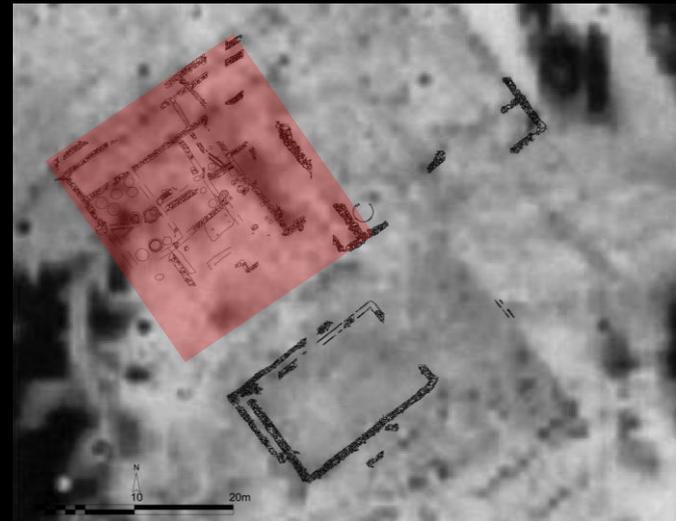
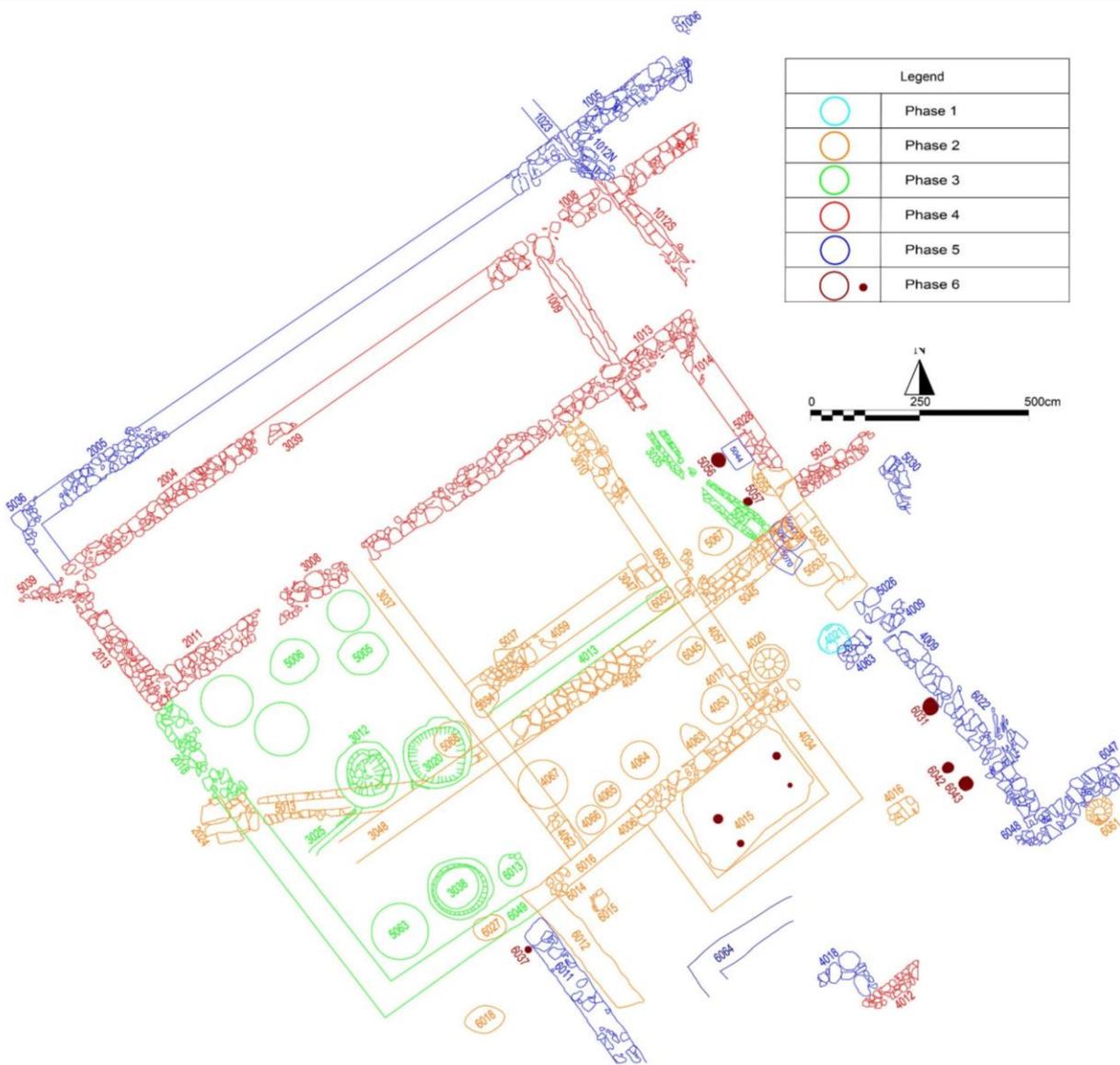
Field survey and surface collection in 1999, 2000 and 2001 revealed the existence of the Vagnari site and the possible extent of the Imperial estate (ca. 25-30 km² in size --- or larger).

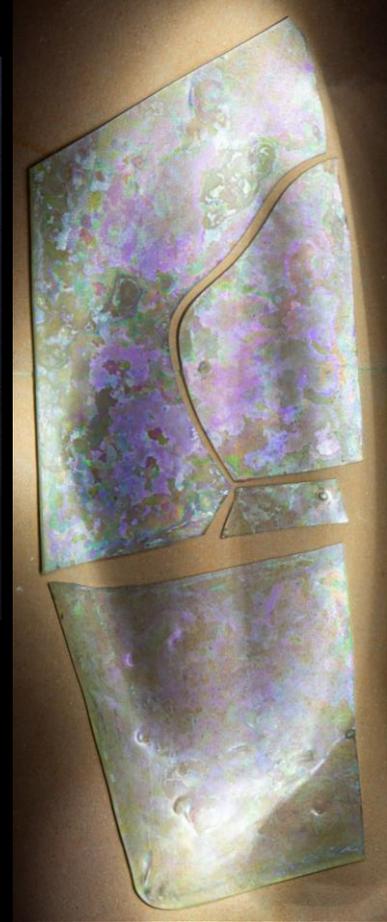
Caesar Aug(ustus) and Gratus, slave of Caesar





vicus
necropolis





What useful product is there which not only does not grow in Italy, but even grow to perfection? What spelt shall I compare to the Campanian, what wheat to the Apulian, what wine to the Falernian, what oil to the Venafran?

The trains of asses are usually formed by the traders, as, for instance, those who pack oil or wine and grain or other products from the region of Brundisium or Apulia to the sea in donkey panniers.

Varro, *On Agriculture* 1.2.5; 2.6.5 (ca. 37 B.C.)



1st c AD:

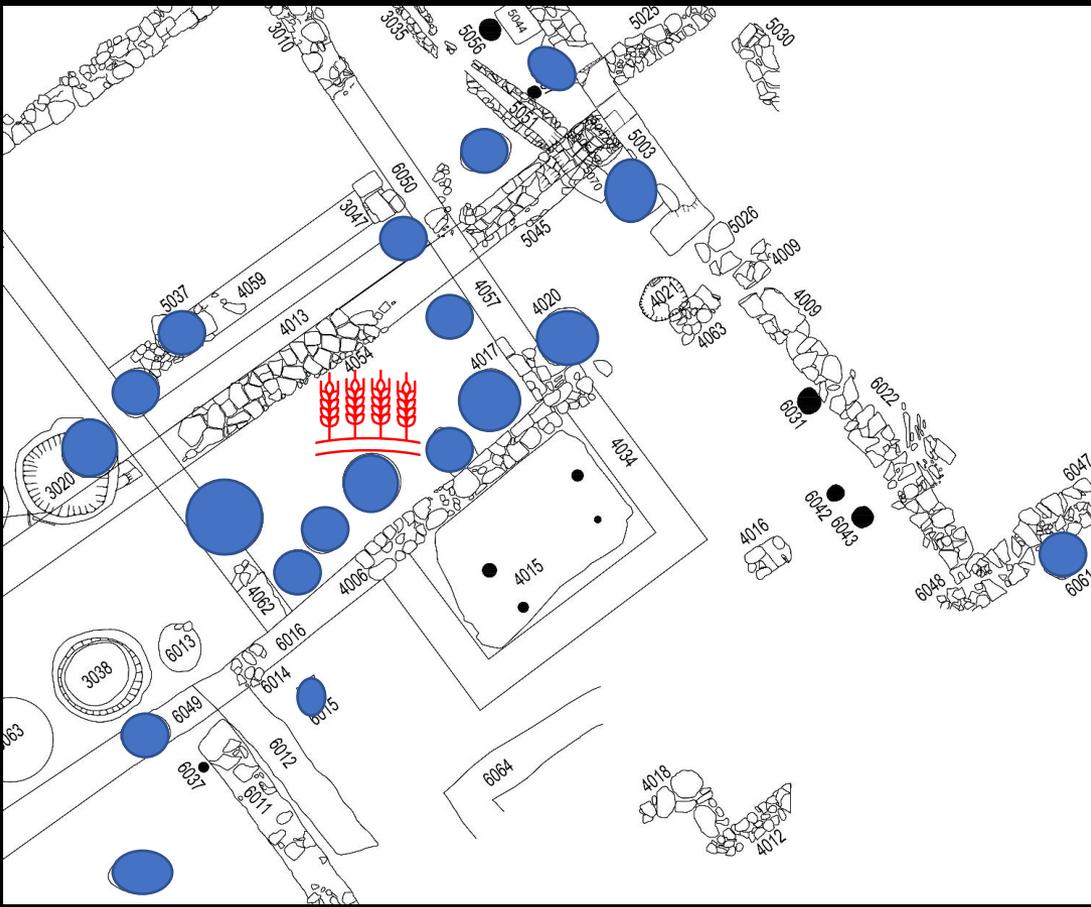
G, B, FTW

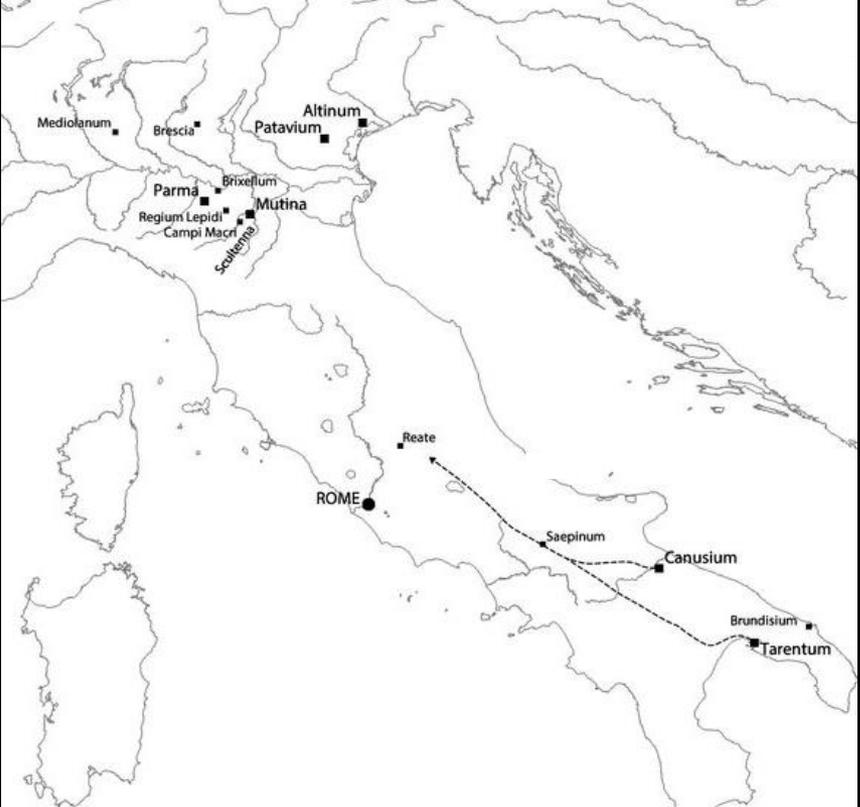
2nd c. AD:

G, FTW, B

3rd c. AD:

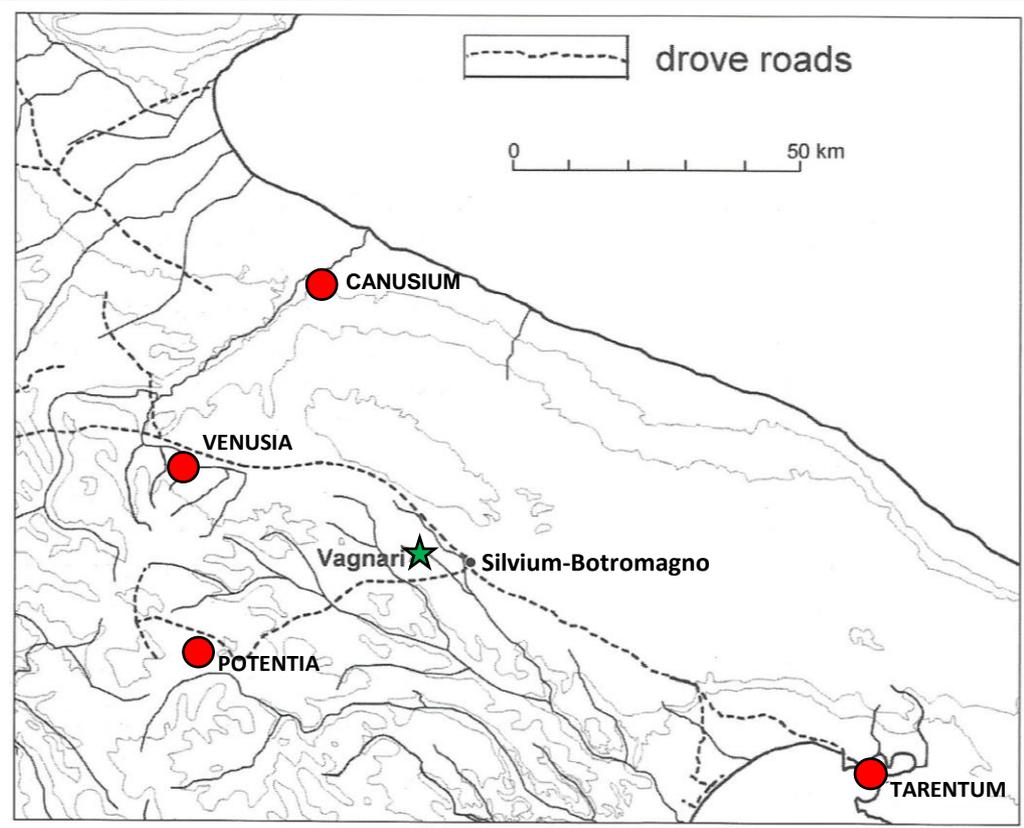
FTW, G, B



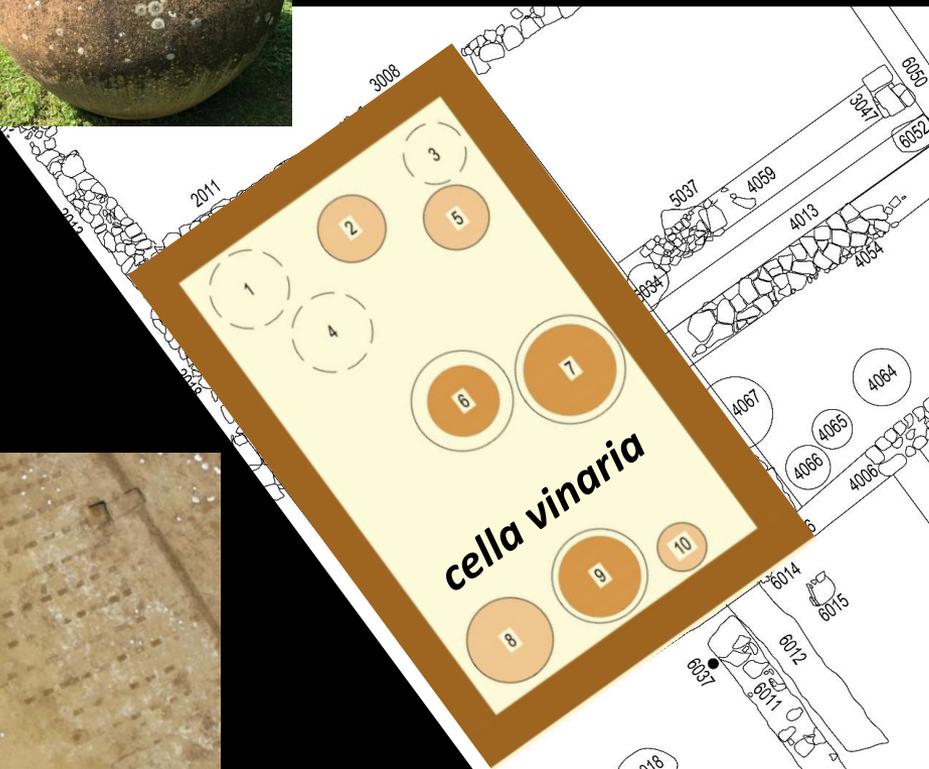
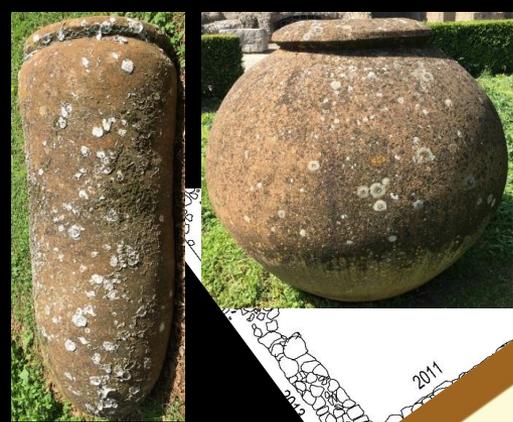


Hence, flocks of sheep are driven all the way from Apulia into Samnium for summering, and are reported to the tax-collectors, for fear of offending against the censorial regulation forbidding the pasturing of unregistered flocks.

Varro, *Res Rusticae* 2.1.16



Dolia defossa









La Terracotta e il Vino



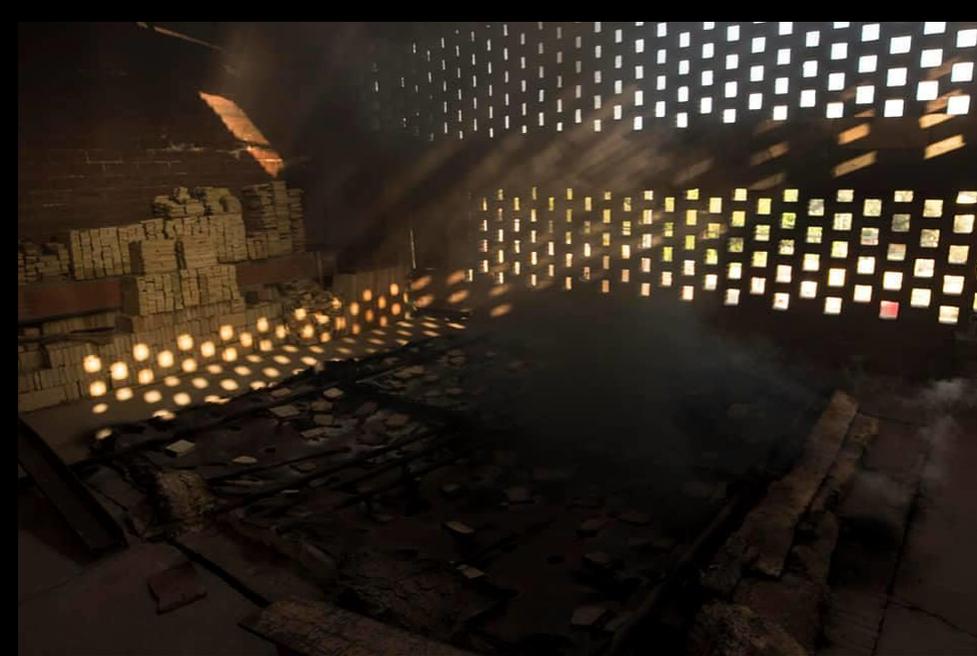
After making the base of the coil-built *dolium*, it must dry for a day. Then, it is possible to attach another coil and add 10-15 cm daily.



It takes between 15 and 20 days to make a 500-litre *dolium*. The *dolia* need to wait for a month in a storage room to be dry enough for kiln firing.

Kiln, 1000°C, holds 4 *dolia* of 800 litre capacity.

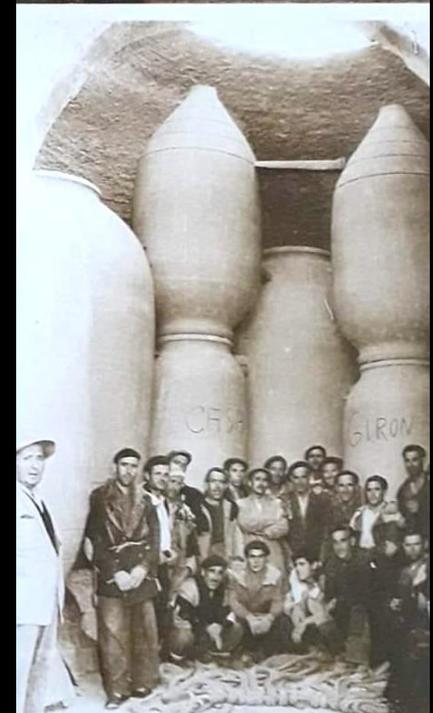
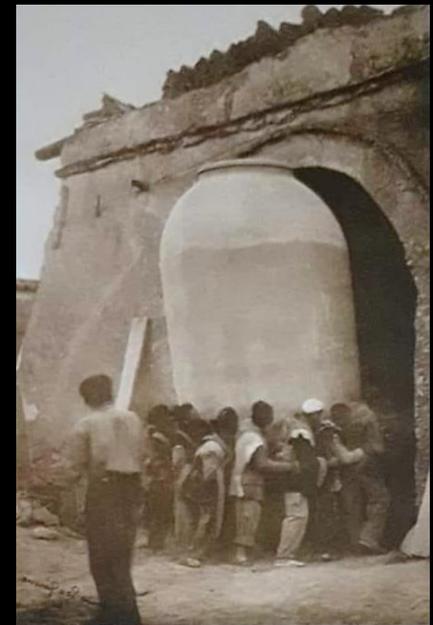


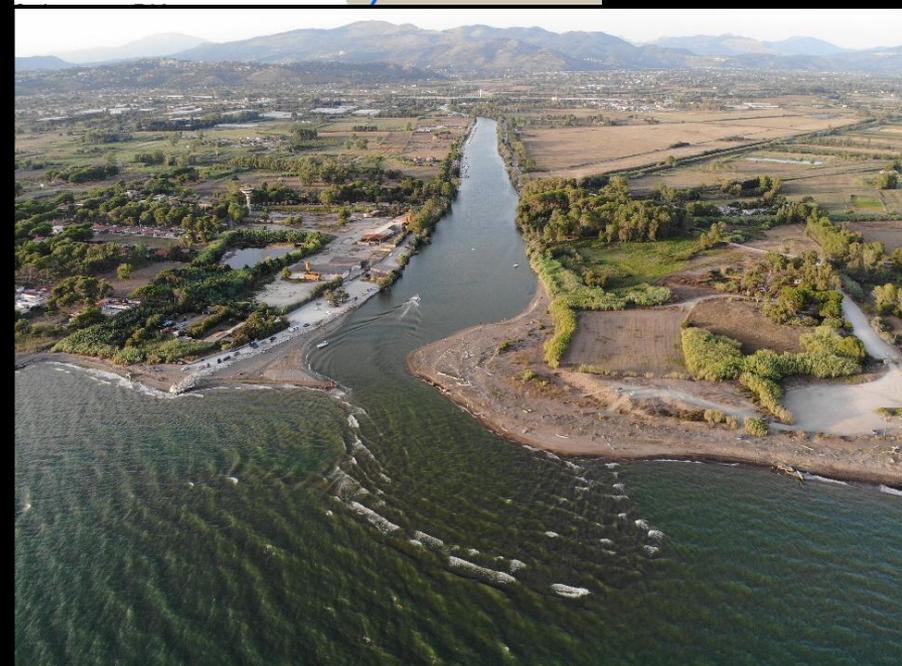
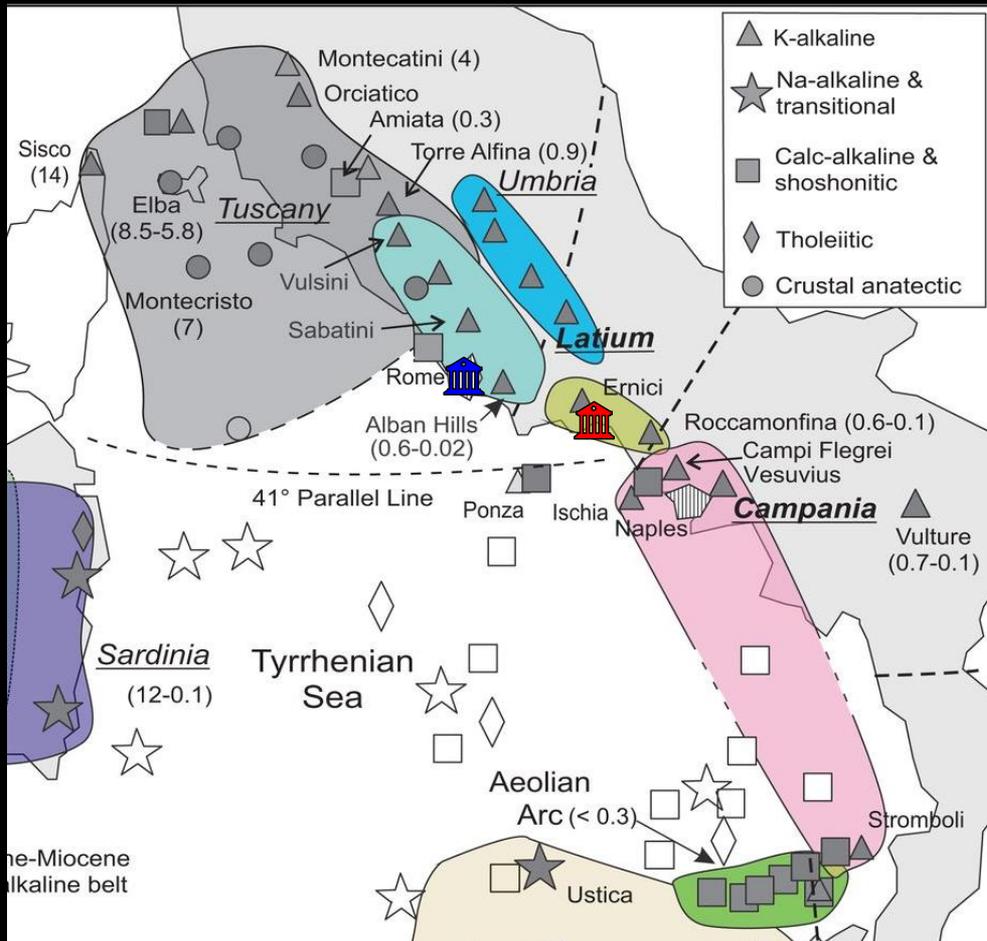


CELLA VINARIA
ARCHAEOLOGICAL
PARK (TEIÀ, MARESME,
BARCELONA)

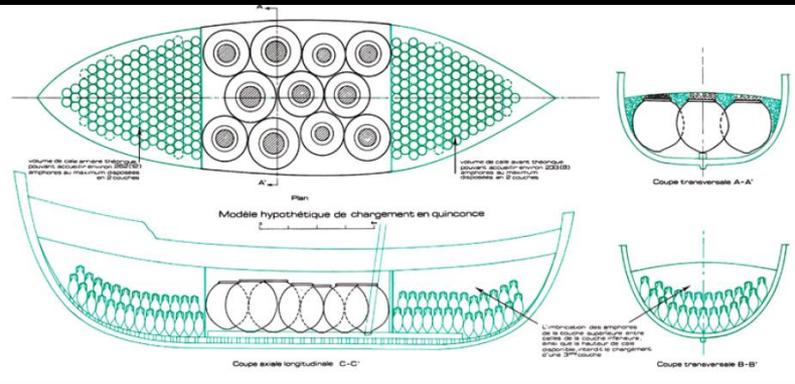
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[#CellerRomaVallmora](#)

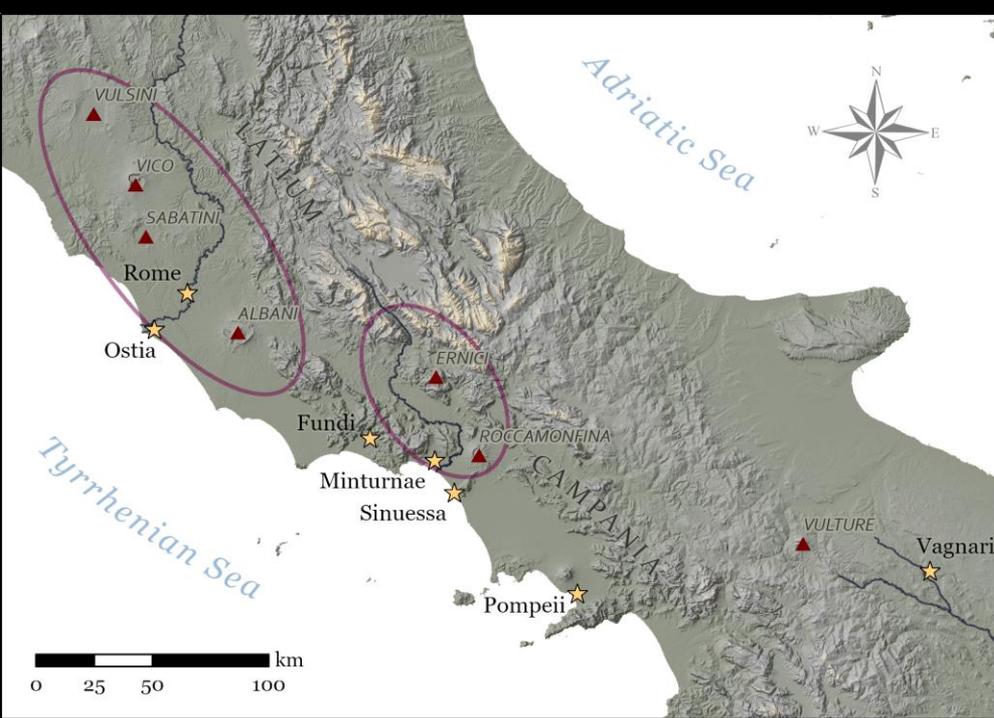
[@cellavinariaproject](#)





Minturnae on the *Liris* (Garigliano) river. In the distance the mountains of the Ernici-Roccamonfina magmatic province.





Minturnae



Garigliano



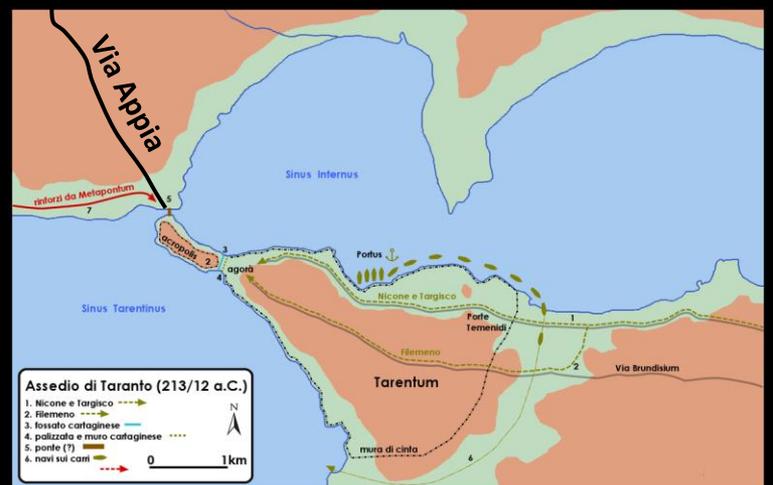
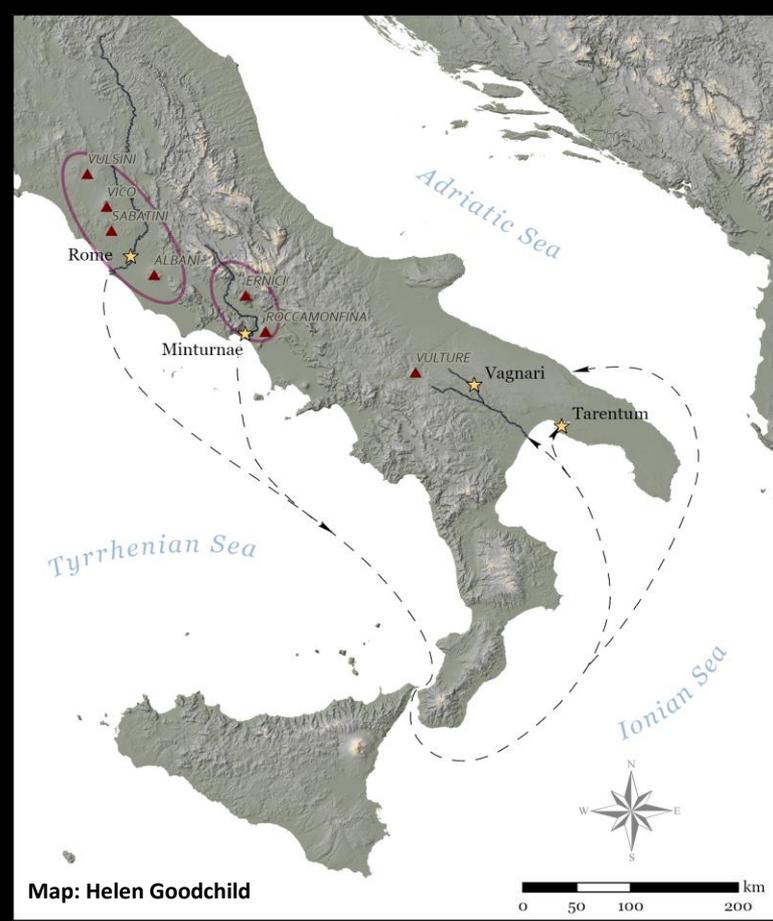
Tiber

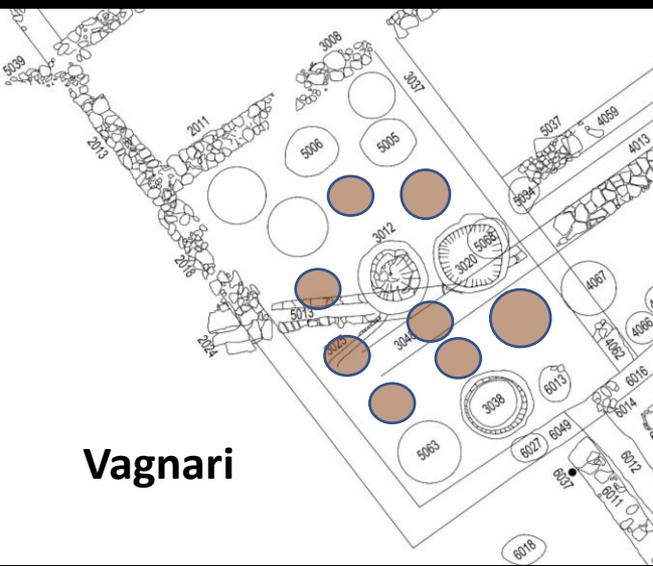


Bradano

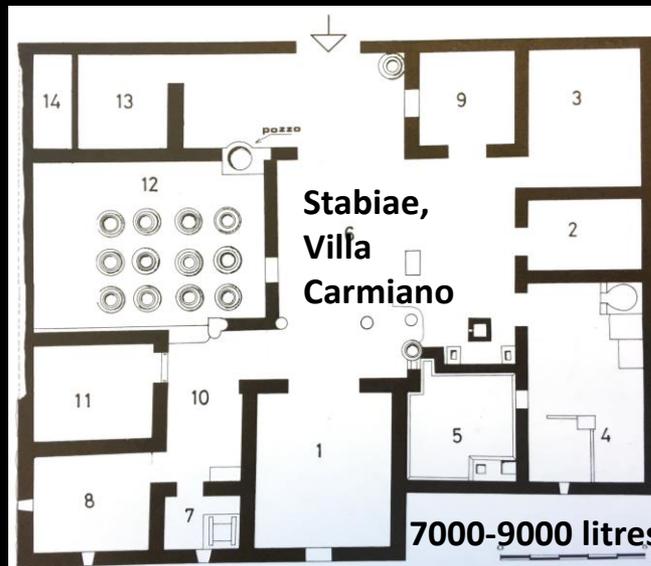


Brindisi



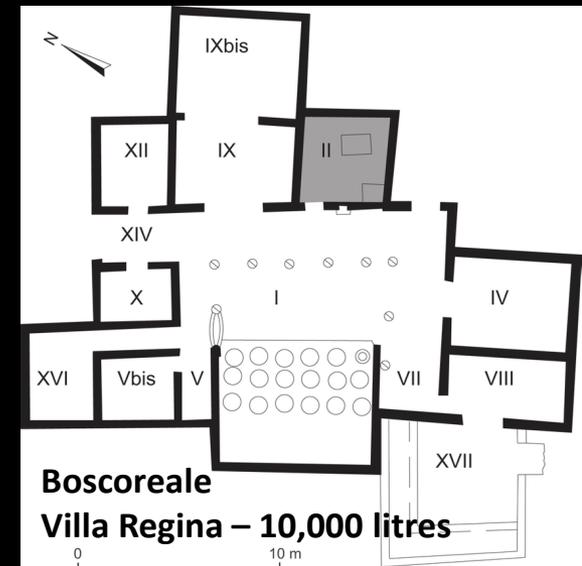


Vagnari

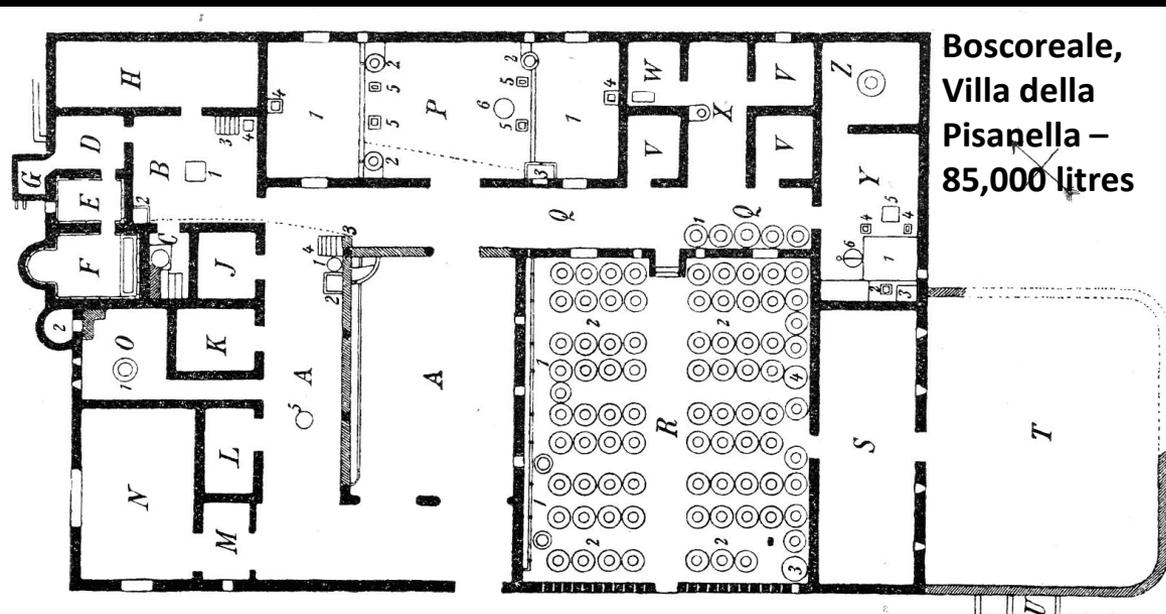


Stabiae,
Villa
Carmiano

7000-9000 litres



Boscoreale
Villa Regina – 10,000 litres



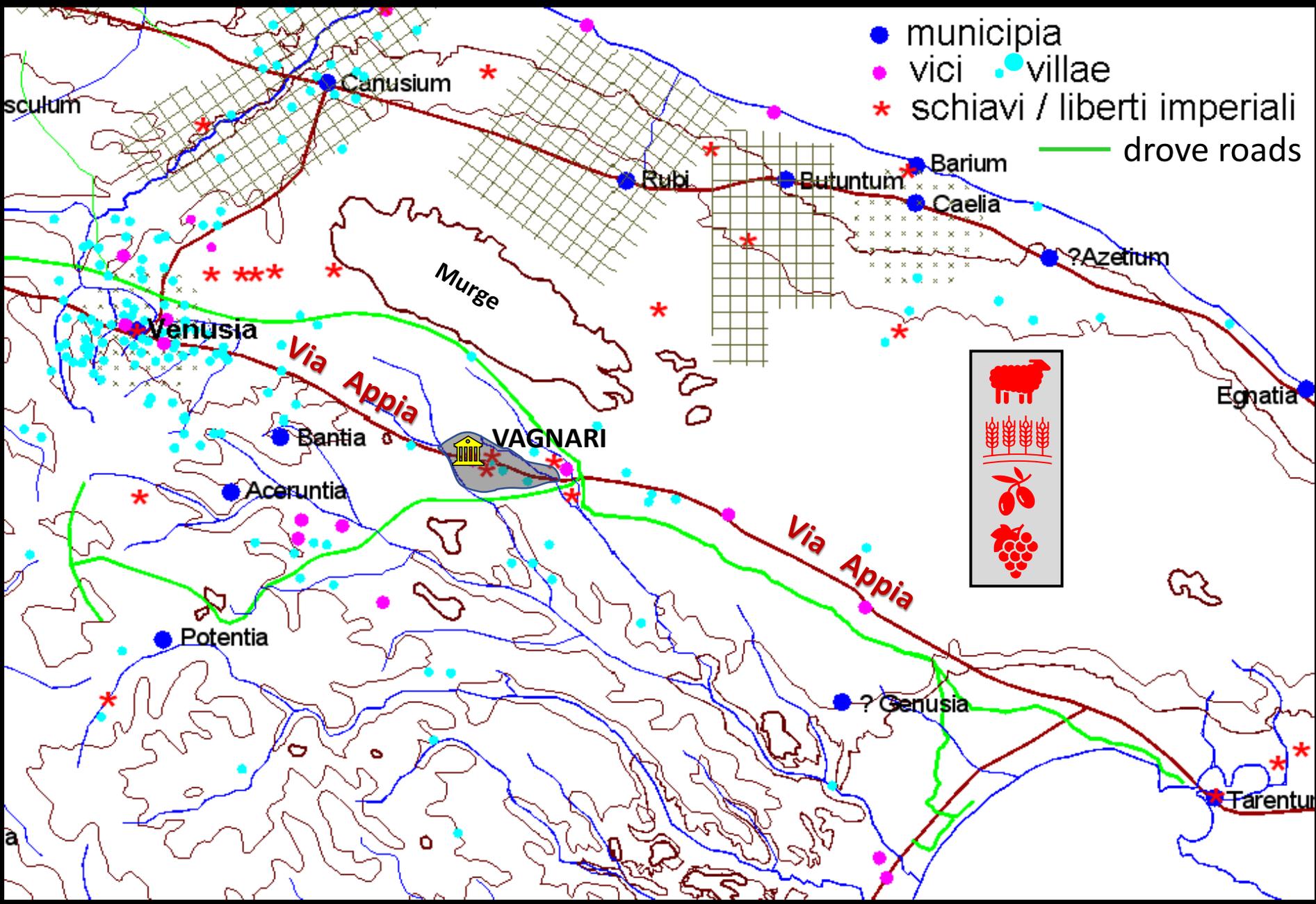
Boscoreale,
Villa della
Pisapella –
85,000 litres

Comparative sizes and
capacities of *cellae vinariae*

1 *iugera* = ¼ hectare

sextarius = 546 ml





- municipia
- vici ● villae
- * schiavi / liberti imperiales
- drove roads





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