AGATAS APS

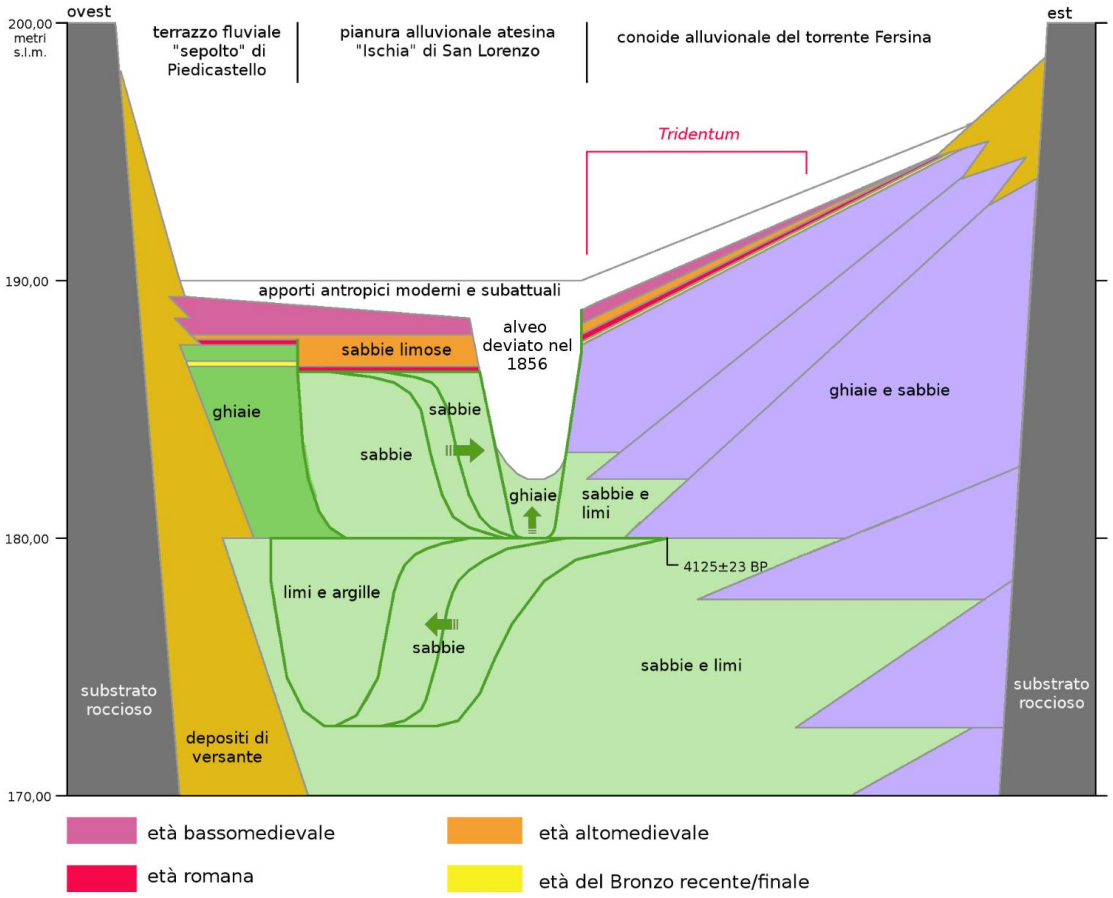
Geologia urbana di Trento. 3000 anni di storia tra l'Adige e il Fersina ricostruiti attraverso la geoarcheologia

Michele Bassetti
geoarcheologo

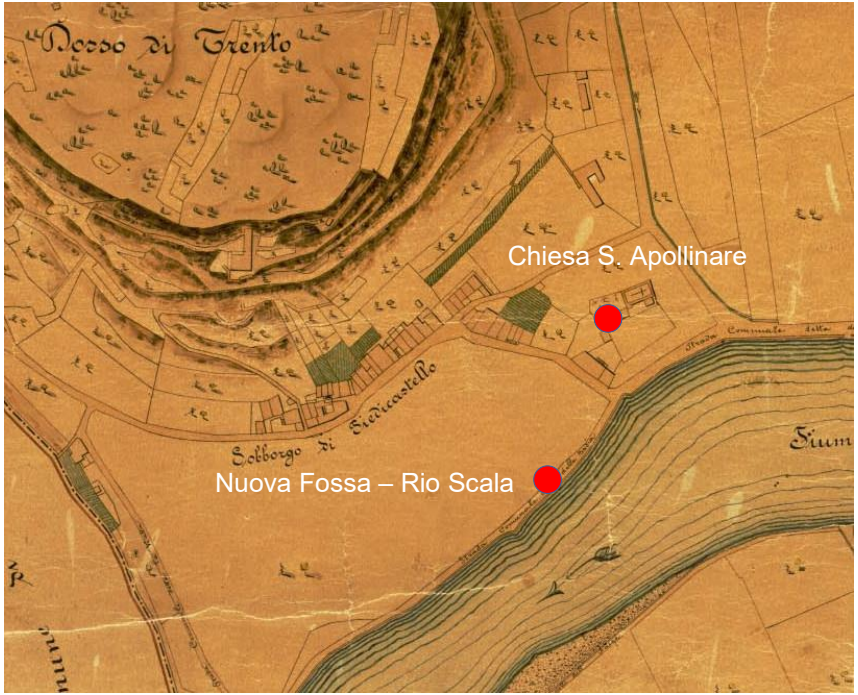
Seconda parte

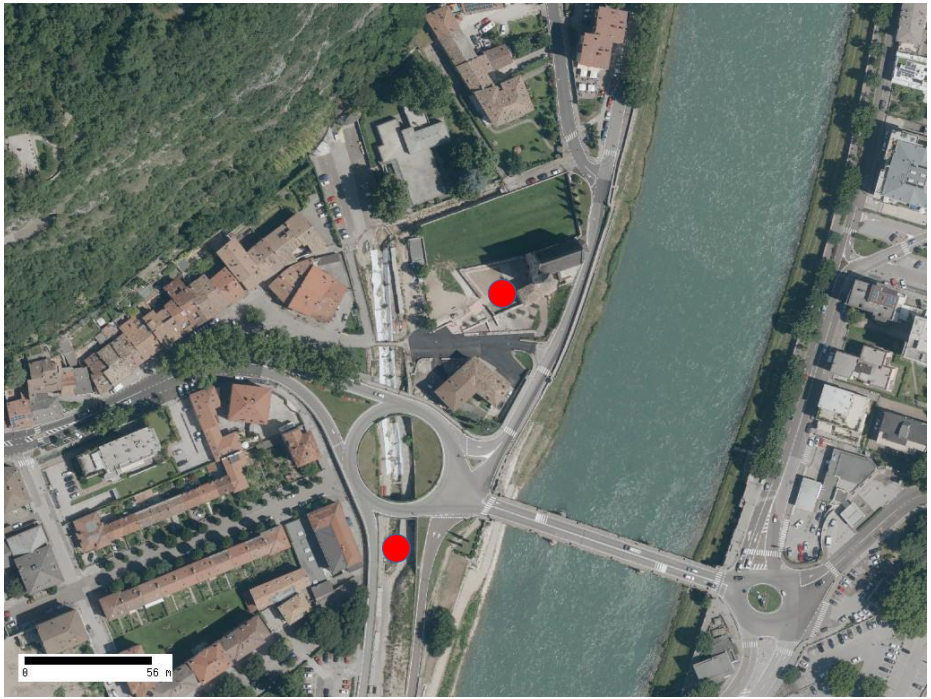
CORA SOCIETA' ARCHEOLOGICA S.r.l.

Schema dei rapporti stratigrafici dell'area urbana di Trento

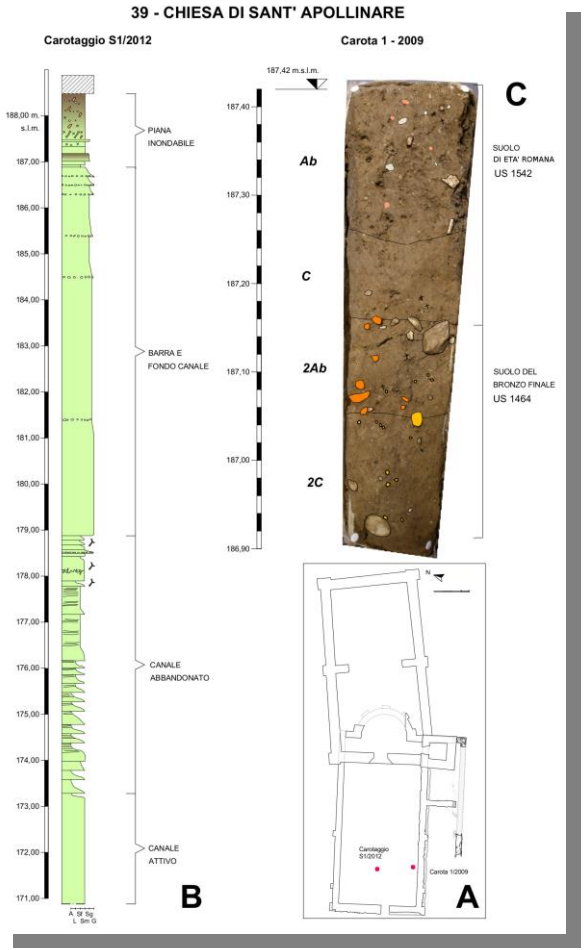


Trento - Piedicastello

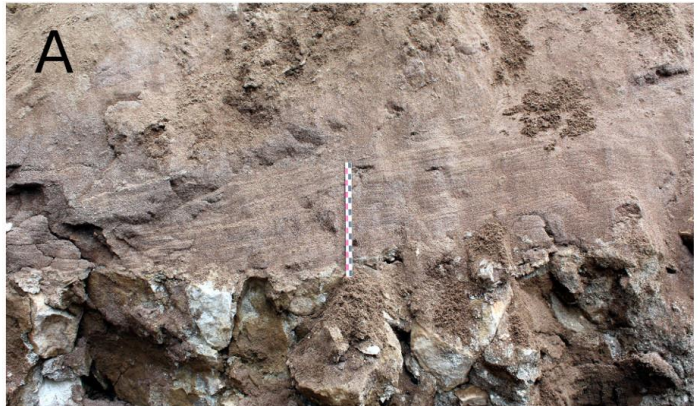


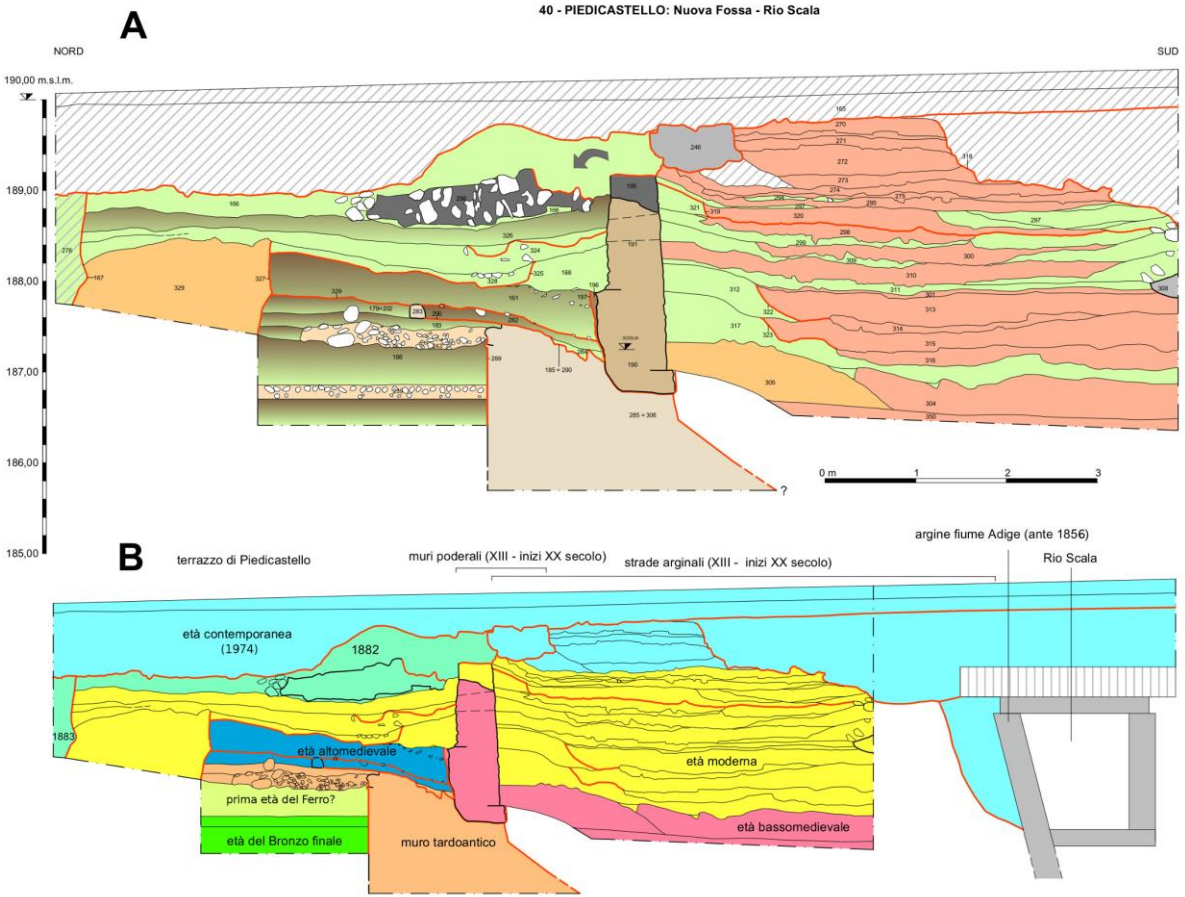


Chiesa di Sant’Apollinare

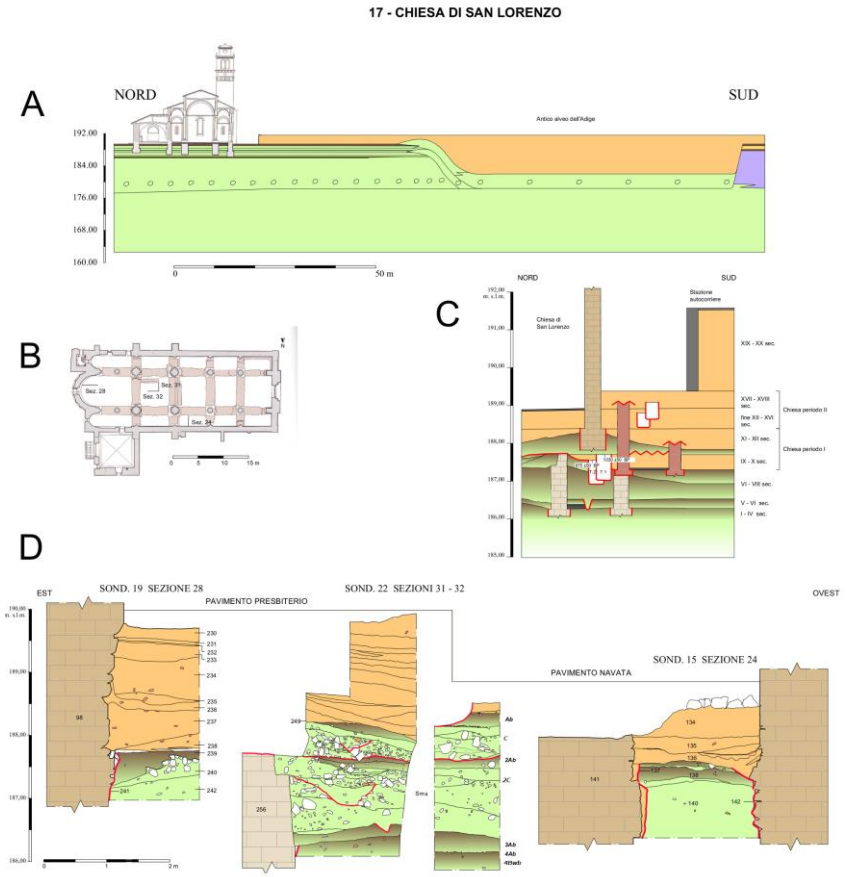


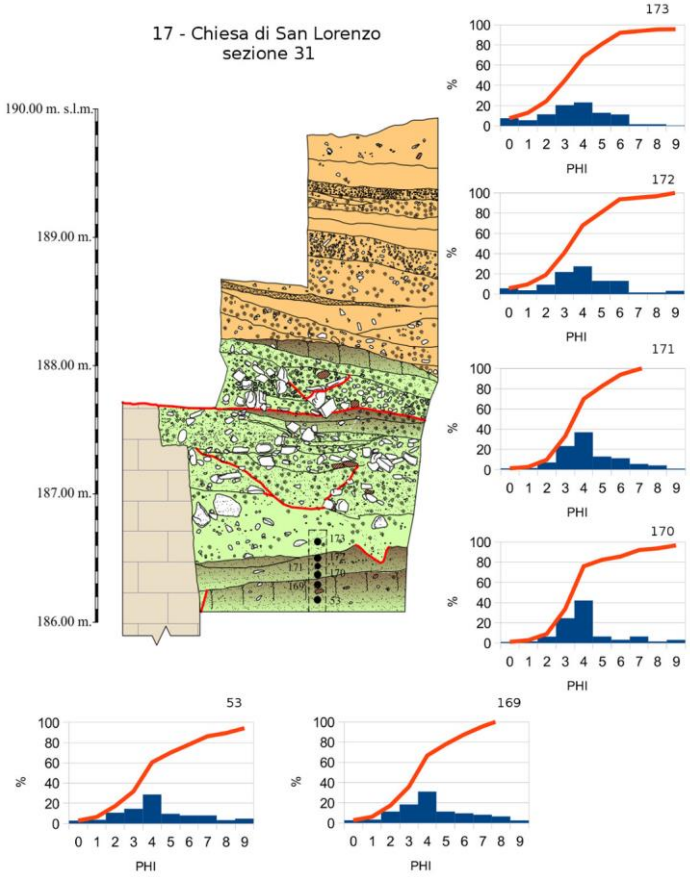
Nuova Fossa - Rio Scala

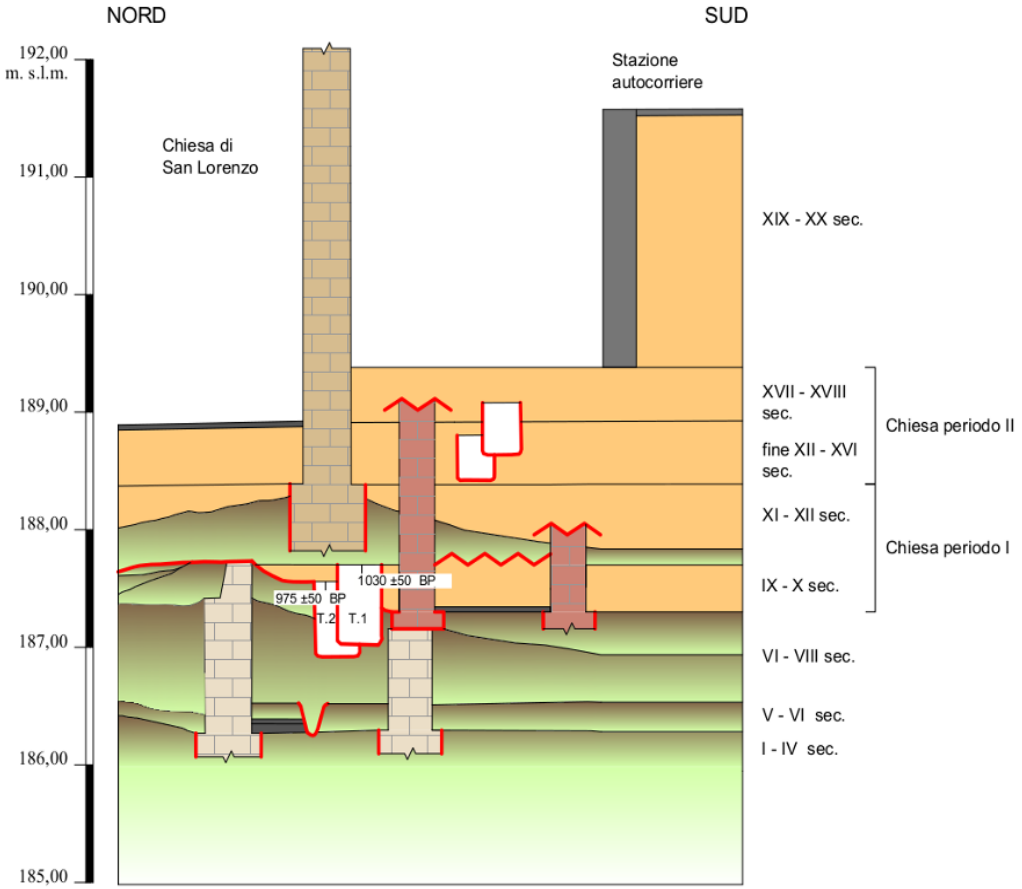


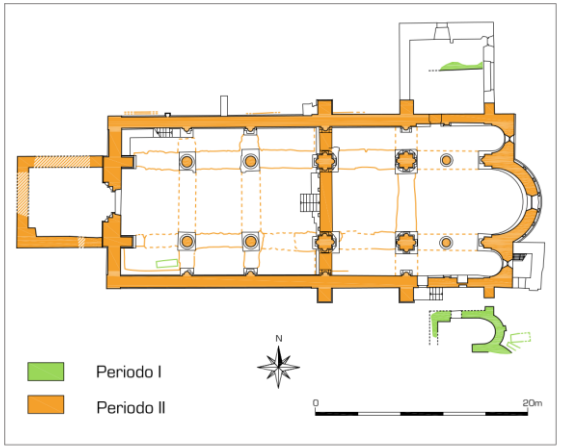

40 - PIEDICASTELLO: Nuova Fossa - Rio Scala
A
NORD
SUD
190,00 m.s.l.m.
189,00
188,00
187,00
186,00
185,00
0 m
1
2
3
B
terrazzo di Piedicastello
muri poderali (XIII - inizi XX secolo)
strade arginali (XIII - inizi XX secolo)
argine fiume Adige (ante 1856)
Rio Scala
età contemporanea
(1974)
1882
1883
età altomedievale
prima età del Ferro?
età del Bronzo finale
muro tardoantico
età moderna
età bassomedievale

Chiesa di San Lorenzo



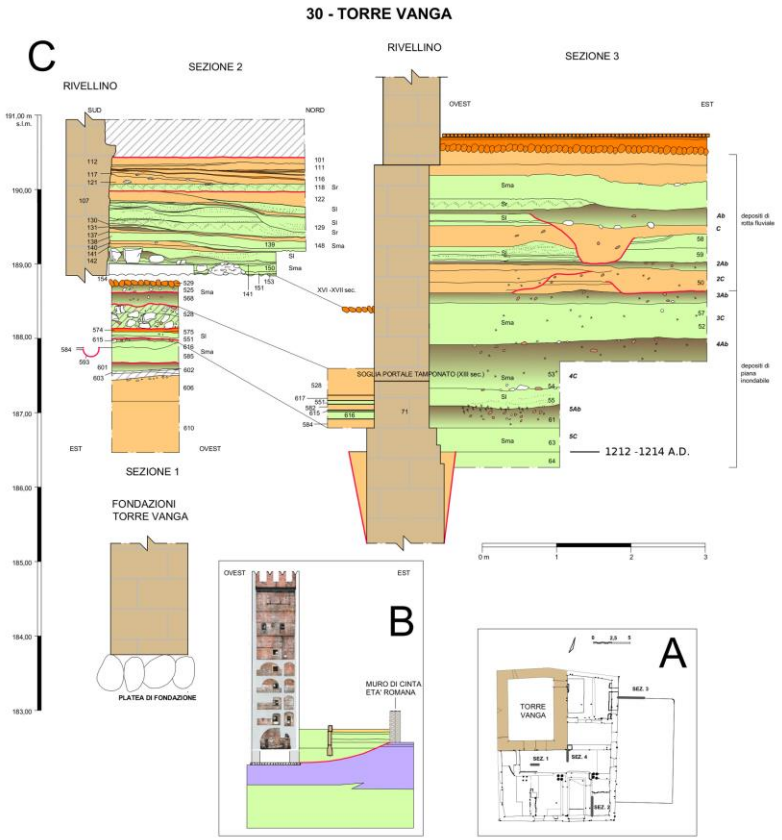


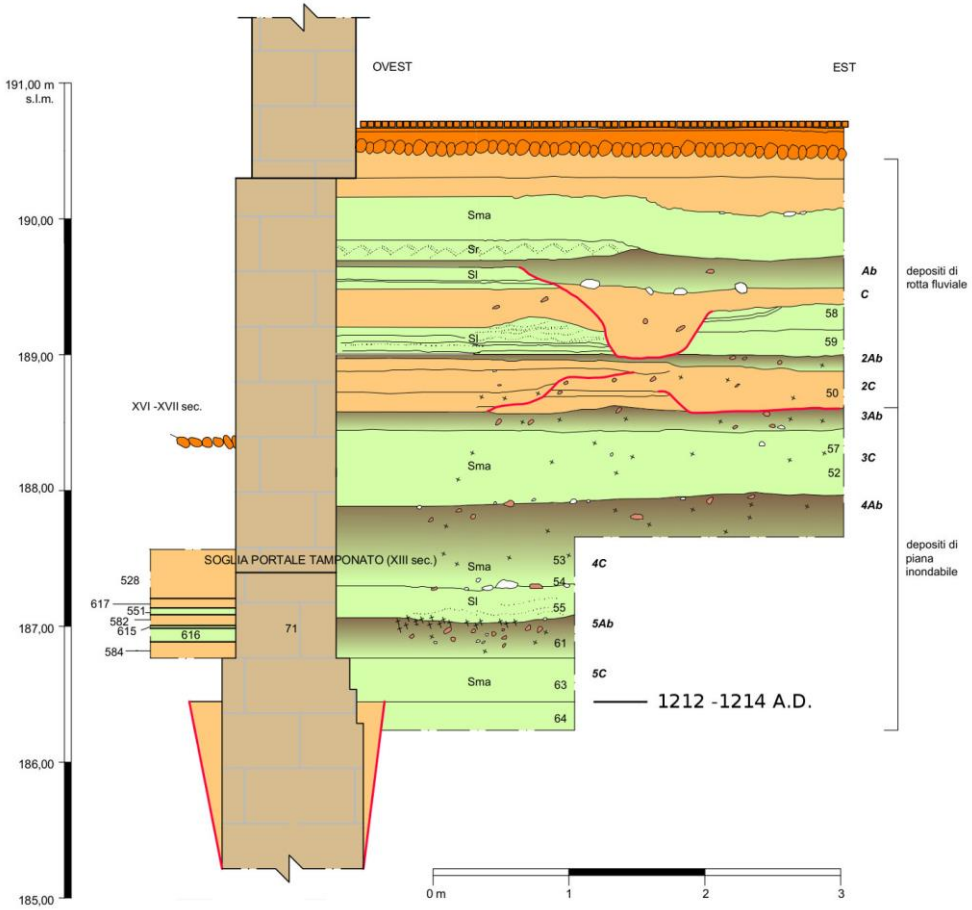

NORD
SUD
192,00 m. s.l.m.
191,00
190,00
189,00
188,00
187,00
186,00
185,00
Chiesa di San Lorenzo
Stazione autocorriere
XIX - XX sec.
XVII - XVIII sec.
fine XII - XVI sec.
Chiesa periodo II
XI - XII sec.
IX - X sec.
Chiesa periodo I
VI - VIII sec.
V - VI sec.
I - IV sec.
1030 ±50 BP
975 ±50 BP
T.2
T.1

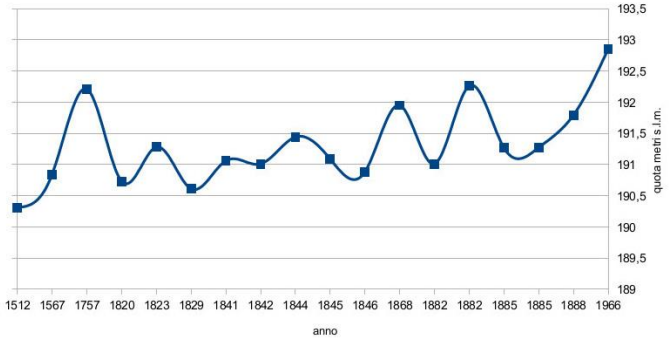

Periodo I
Periodo II
N
0
20m

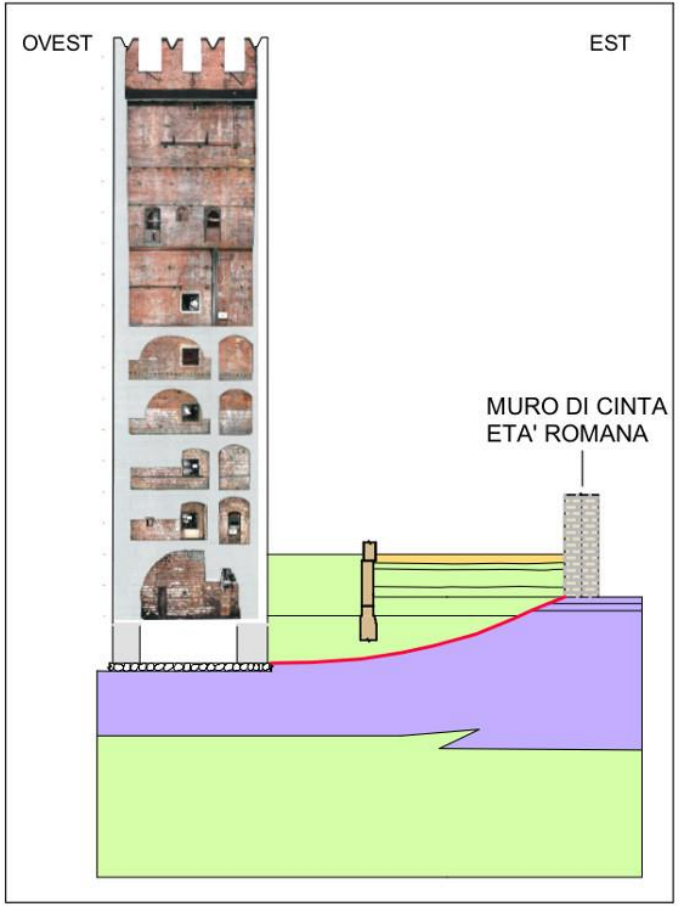
SLOR
SOND 26
US 350
25 11 97

Torre Vanga


30 - TORRE VANGA
C
RIVELLINO
SEZIONE 2
RIVELLINO
SEZIONE 3
SUD
NORD
OVEST
EST
191,00 m s.l.m.
190,00
189,00
188,00
187,00
186,00
185,00
184,00
183,00
XVI -XVII sec.
SOGLIA PORTALE TAMPONATO (XIII sec.)
1212 -1214 A.D.
depositi di rotta fluviale
depositi di piana inondabile
SEZIONE 1
FONDAZIONI TORRE VANGA
PLATEA DI FONDAZIONE
B
MURO DI CINTA ETA' ROMANA
A
TORRE VANGA
SEZ. 1
SEZ. 2
SEZ. 3
SEZ. 4


OVEST
EST
191,00 m s.l.m.
190,00
189,00
188,00
187,00
186,00
185,00
Sma
Sr
Sl
Ab
C
depositi di rotta fluviale
58
59
2Ab
2C
50
3Ab
57
3C
52
4Ab
XVI -XVII sec.
SOGLIA PORTALE TAMPONATO (XIII sec.)
53
4C
54
55
5Ab
61
5C
63
64
528
617
551
582
615
616
584
71
1212 -1214 A.D.
depositi di piana inondabile
0 m
1
2
3


193,5
193
192,5
192
191,5
191
190,5
190
189,5
189
quota metri s.l.m.
1512 1567 1757 1820 1823 1829 1841 1842 1844 1845 1846 1868 1882 1882 1885 1885 1888 1966
anno


OVEST
EST
MURO DI CINTA
ETA' ROMANA

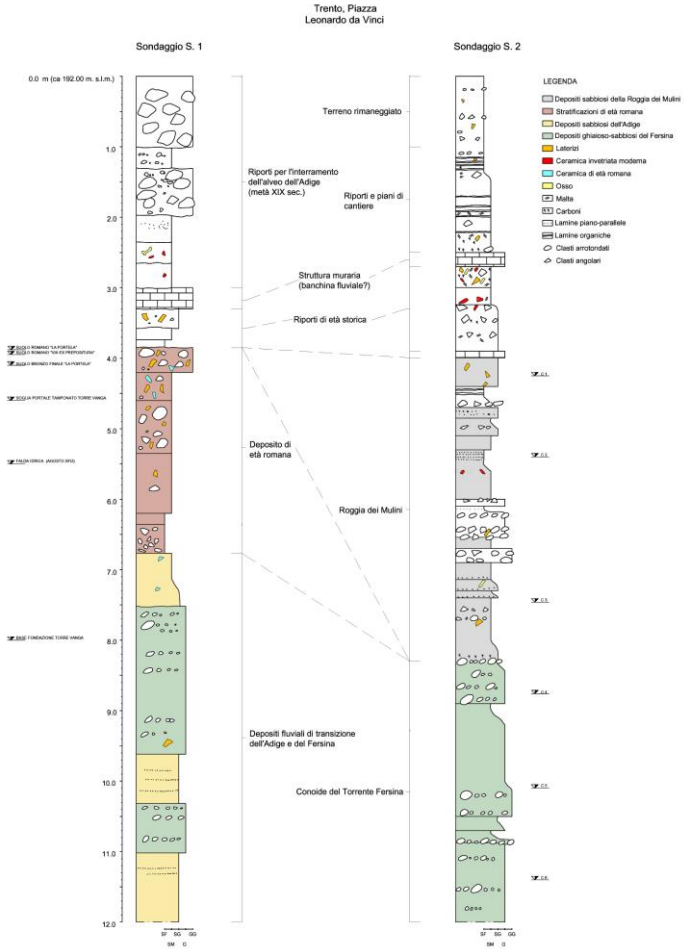
Piazza Leonardo da Vinci

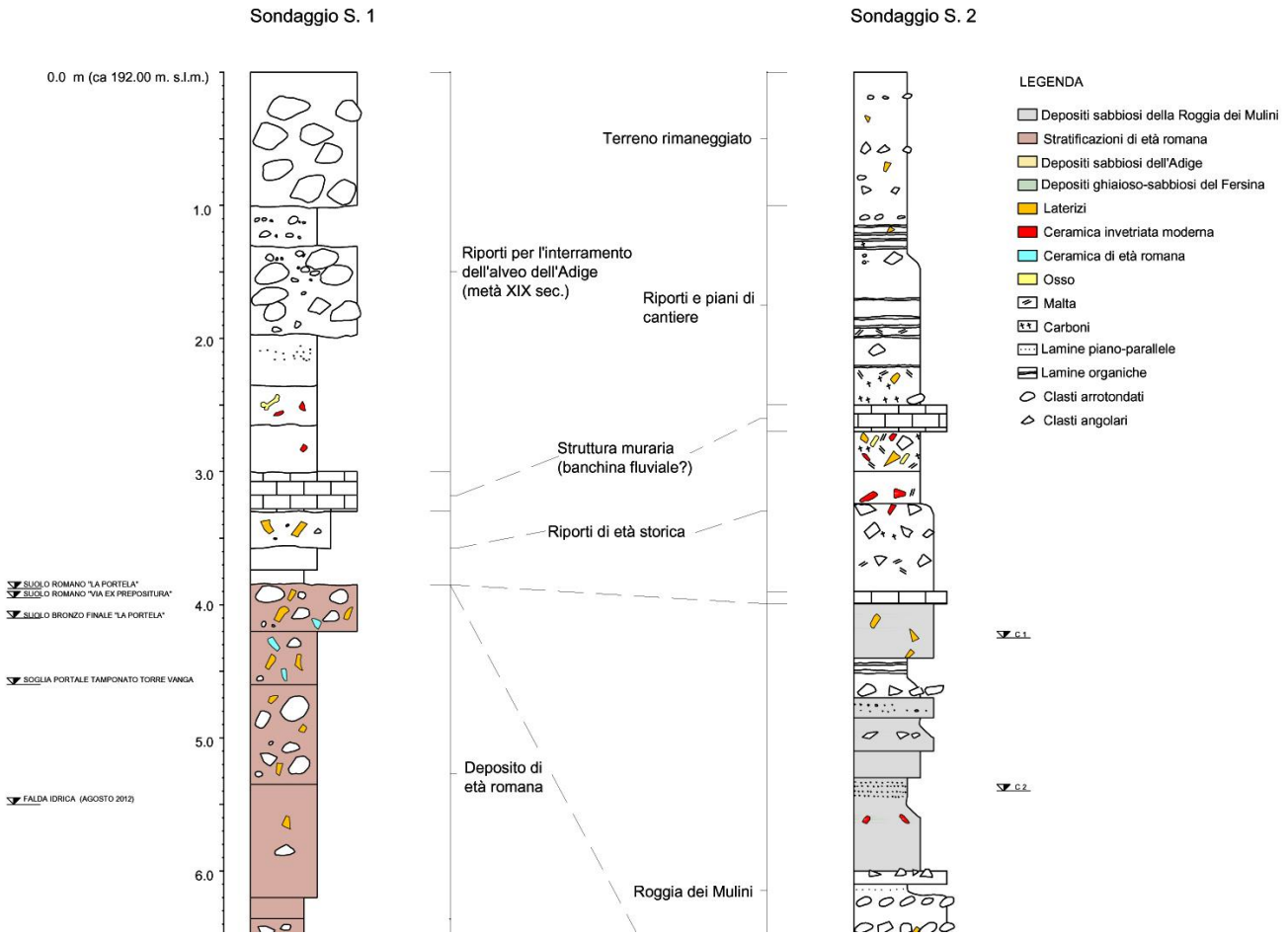
LEGENDA

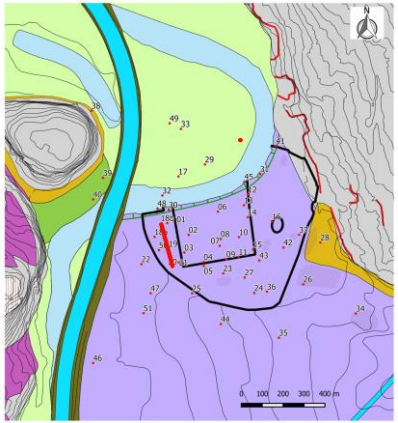
S1 Sondaggio agosto 2012

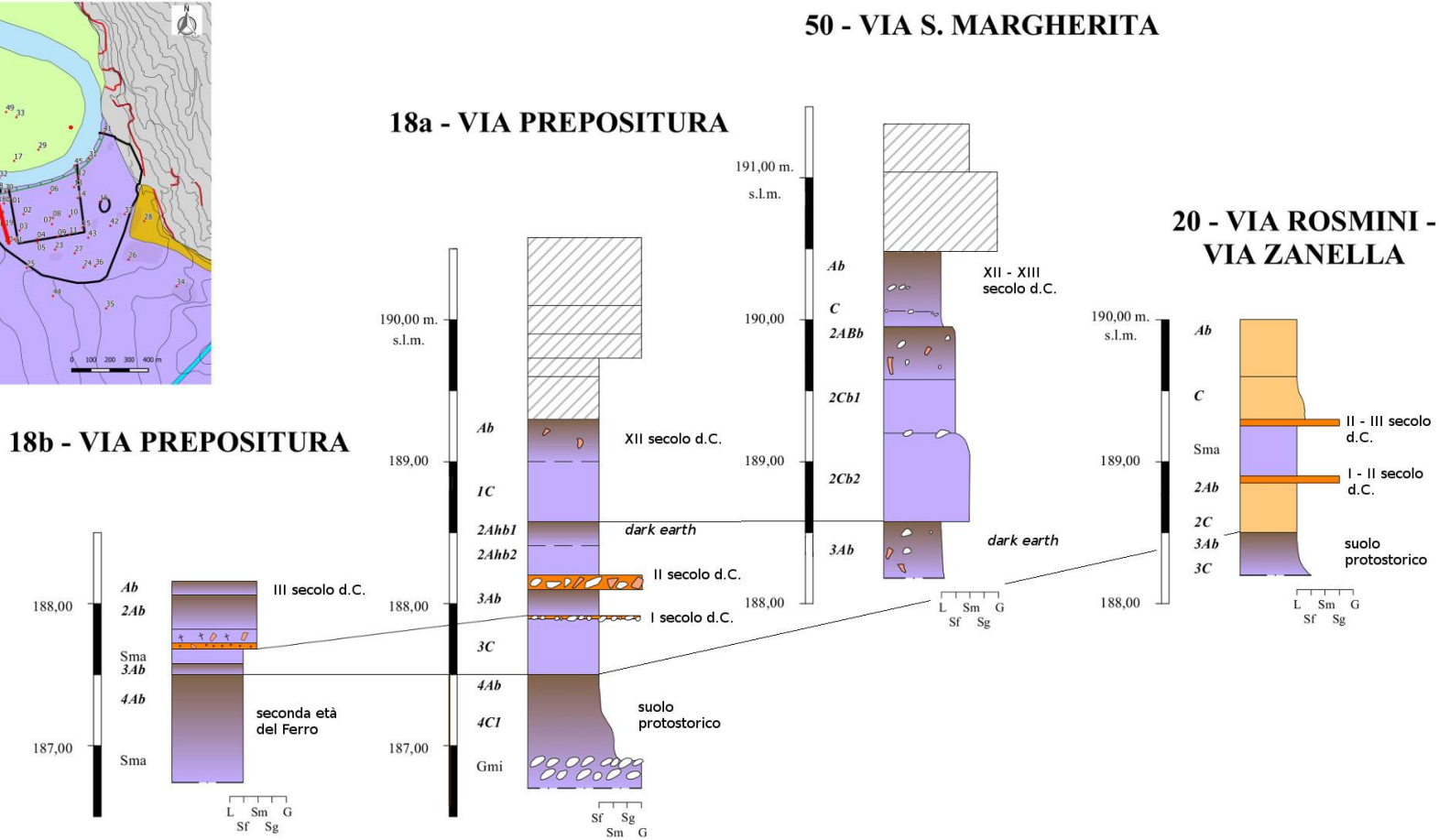
S2 Sondaggio marzo 2013

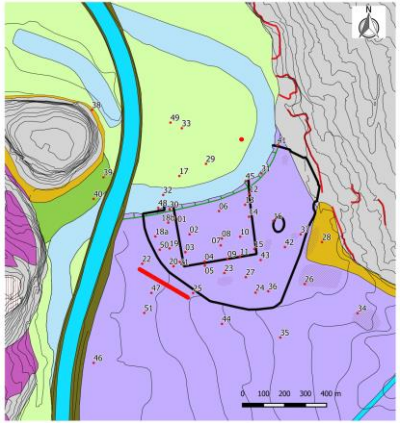
Edifici rilevati ottobre 2012

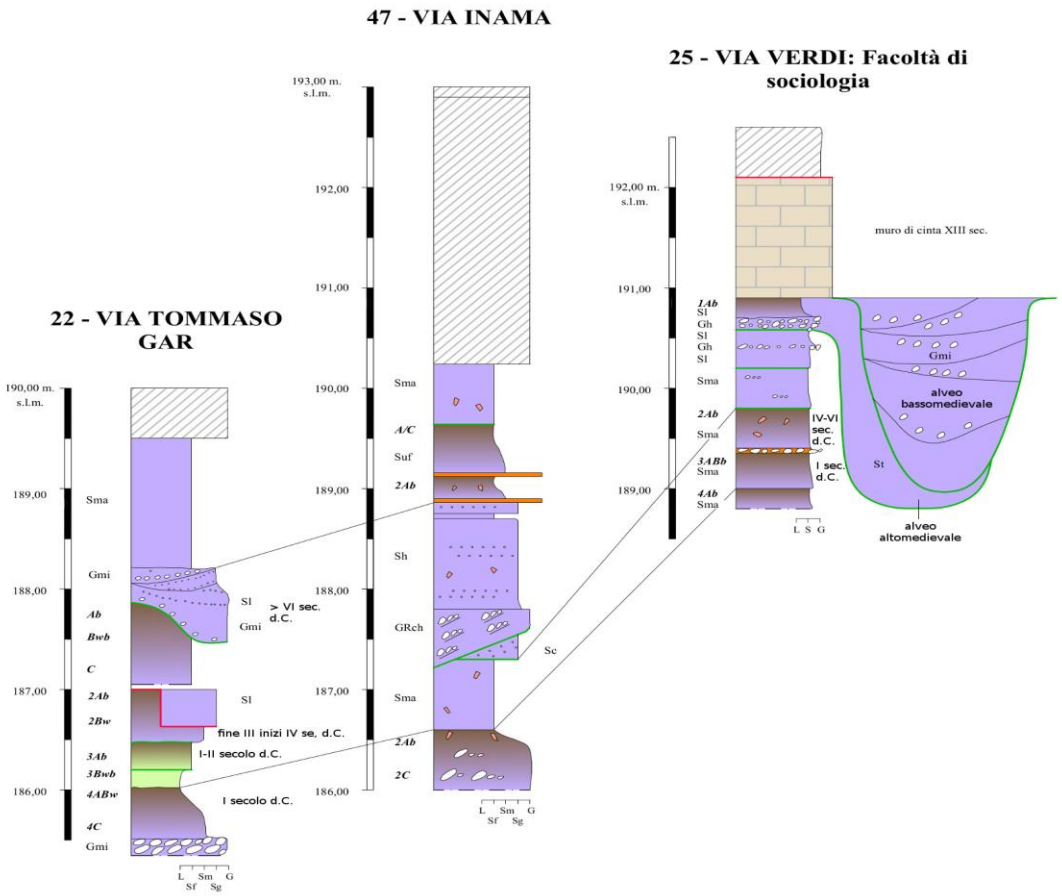



Sondaggio S. 1
Sondaggio S. 2
0.0 m (ca 192.00 m. s.l.m.)
1.0
2.0
3.0
4.0
5.0
6.0
SUOLO ROMANO "LA PORTELA"
SUOLO ROMANO "VIA EX PREPOSITURA"
SUOLO BRONZO FINALE "LA PORTELA"
SOGLIA PORTALE TAMPONATO TORRE VANGA
FALDA IDRICA (AGOSTO 2012)
Terreno rimaneggiato
Riporti per l'interramento dell'alveo dell'Adige (metà XIX sec.)
Riporti e piani di cantiere
Struttura muraria (banchina fluviale?)
Riporti di età storica
Deposito di età romana
Roggia dei Mulini
C1
C2
LEGENDA
Depositi sabbiosi della Roggia dei Mulini
Stratificazioni di età romana
Depositi sabbiosi dell'Adige
Depositi ghiaioso-sabbiosi del Fersina
Laterizi
Ceramica invetriata moderna
Ceramica di età romana
Osso
Malta
Carboni
Lamine piano-parallele
Lamine organiche
Clasti arrotondati
Clasti angolari

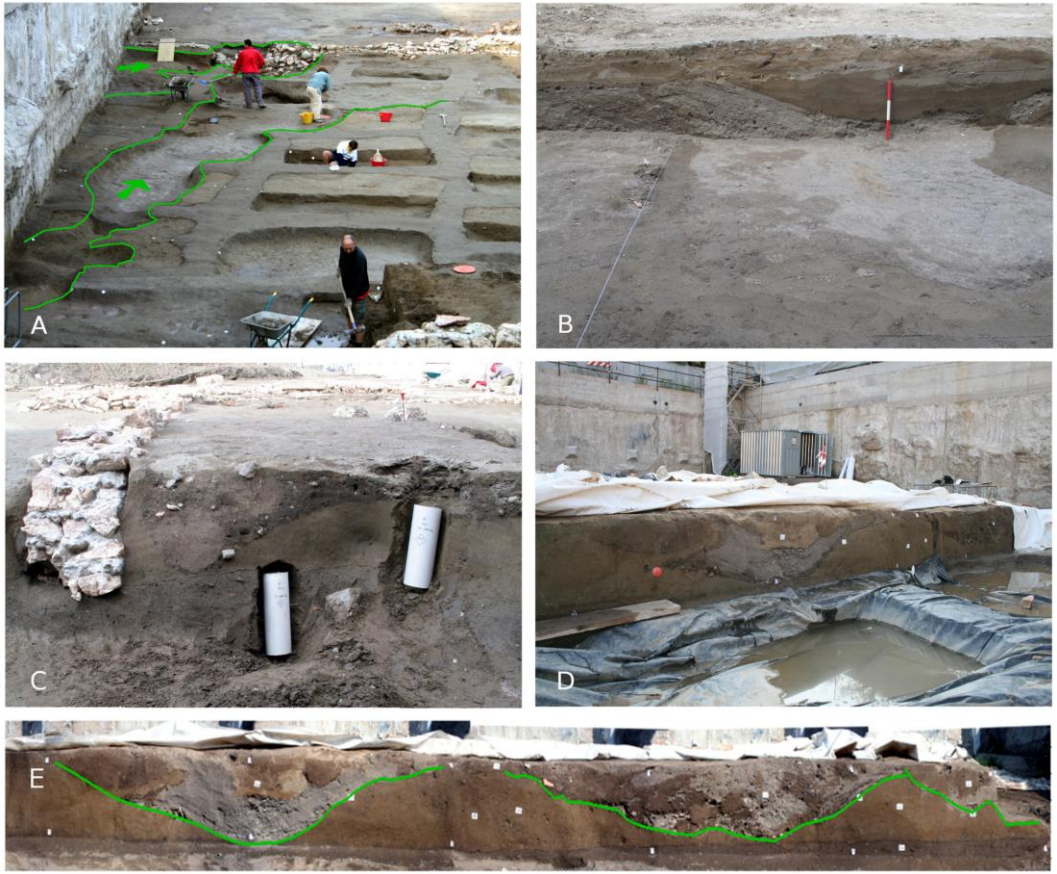



50 - VIA S. MARGHERITA
18a - VIA PREPOSITURA
18b - VIA PREPOSITURA
20 - VIA ROSMINI - VIA ZANELLA
191,00 m. s.l.m.
190,00 m. s.l.m.
189,00
188,00
187,00
Ab
C
2ABb
2Cb1
2Cb2
3Ab
XII - XIII secolo d.C.
dark earth
1C
2Ahb1
2Ahb2
3C
4Ab
4C1
Gmi
XII secolo d.C.
II secolo d.C.
I secolo d.C.
suolo protostorico
2Ab
Sma
III secolo d.C.
seconda età del Ferro
II - III secolo d.C.
I - II secolo d.C.
L Sm G
Sf Sg

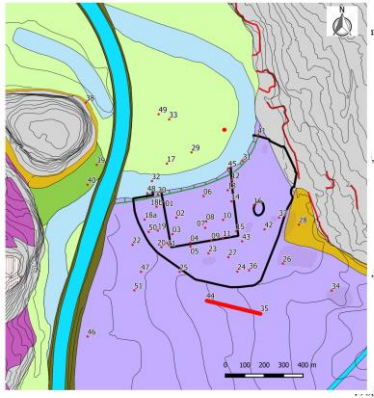

N
0 100 200 300 400 m

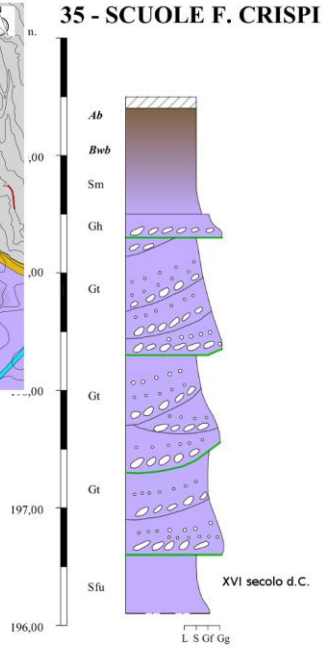

47 - VIA INAMA
25 - VIA VERDI: Facoltà di sociologia
22 - VIA TOMMASO GAR
190,00 m. s.l.m.
189,00
188,00
187,00
186,00
Sma
Gmi
Ab
Bwb
C
2Ab
2Bw
3Ab
3Bwb
4ABw
4C
Gmi
Sl
Gmi
> VI sec. d.C.
Sl
fine III inizi IV se, d.C.
I-II secolo d.C.
I secolo d.C.
L Sm G
Sf Sg
193,00 m. s.l.m.
192,00
191,00
190,00
189,00
188,00
187,00
186,00
Sma
A/C
Suf
2Ab
Sh
GRch
Sc
Sma
2Ab
2C
L Sm G
Sf Sg
192,00 m. s.l.m.
191,00
190,00
189,00
muro di cinta XIII sec.
1Ab
Sl
Gh
Sl
Gh
Sl
Sma
2Ab
Sma
3ABb
Sma
4Ab
Sma
IV-VI sec. d.C.
I sec. d.C.
Gmi
alveo bassomedievale
St
alveo altomedievale
L S G

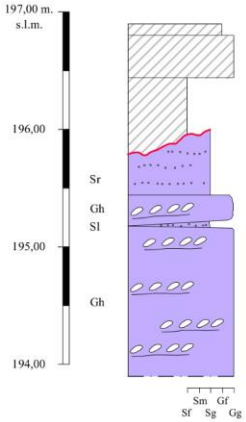
Via Tommaso Gar



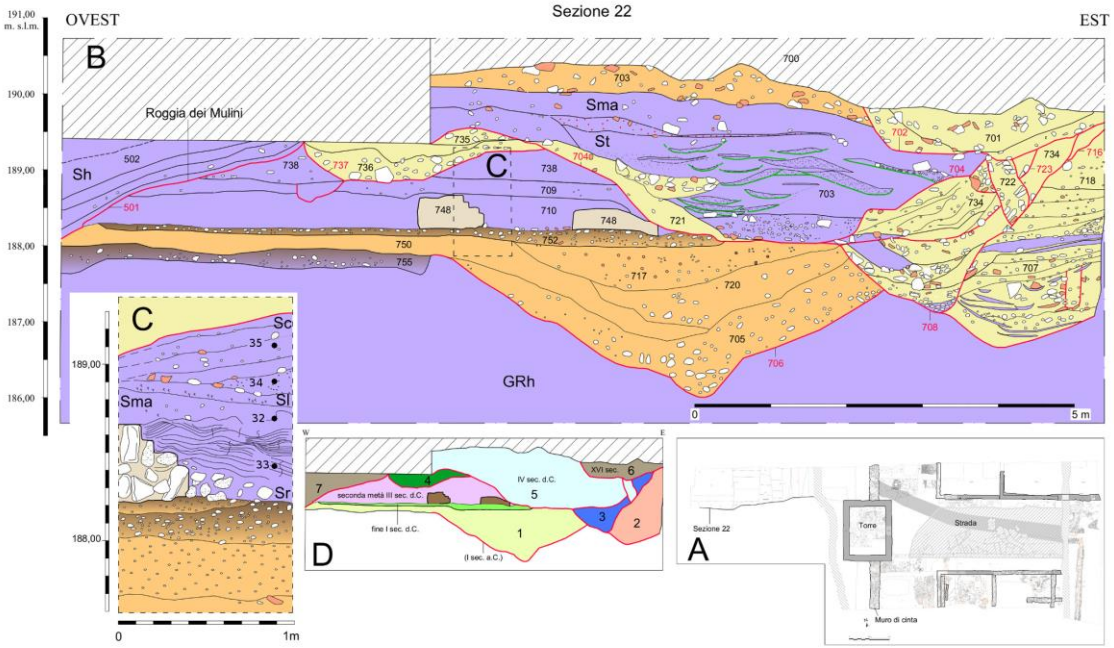
Via Esterle

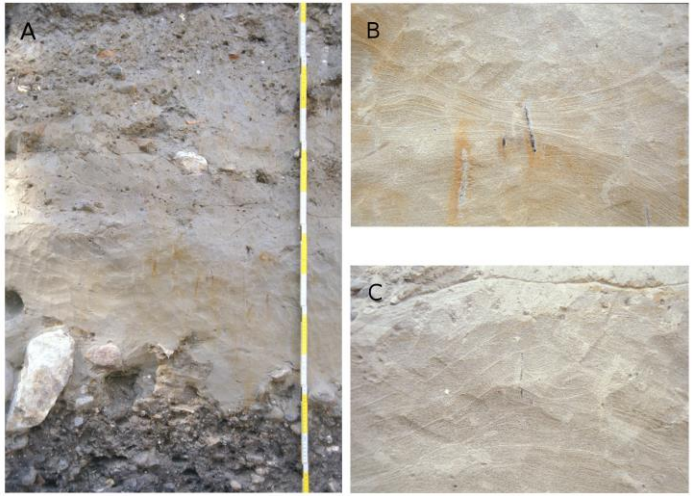


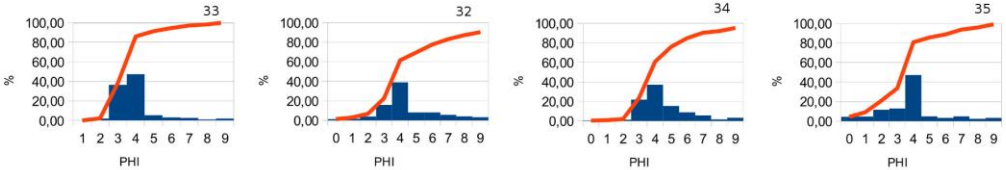

35 - SCUOLE F. CRISPI
Ab
Bwb
Sm
Gh
Gt
Gt
Gt
Sfu
XVI secolo d.C.
L S Gf Gg
197,00
196,00


44 - VIA ESTERLE
197,00 m. s.l.m.
196,00
195,00
194,00
Sr
Gh
Sl
Gh
Sm Gf
Sf Sg Gg

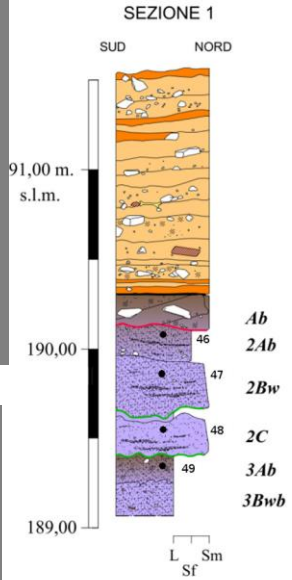
21 - PIAZZA VERZERI (già Bellesini)

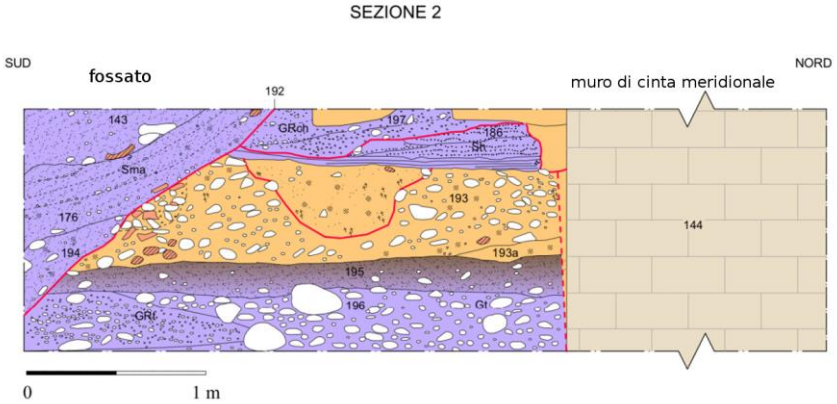


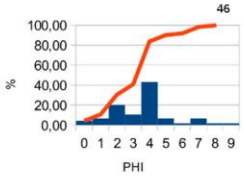


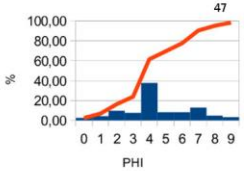


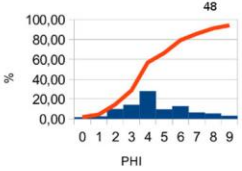
5 - PIAZZA DEL DUOMO: casa Balduini

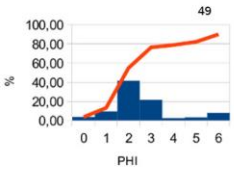


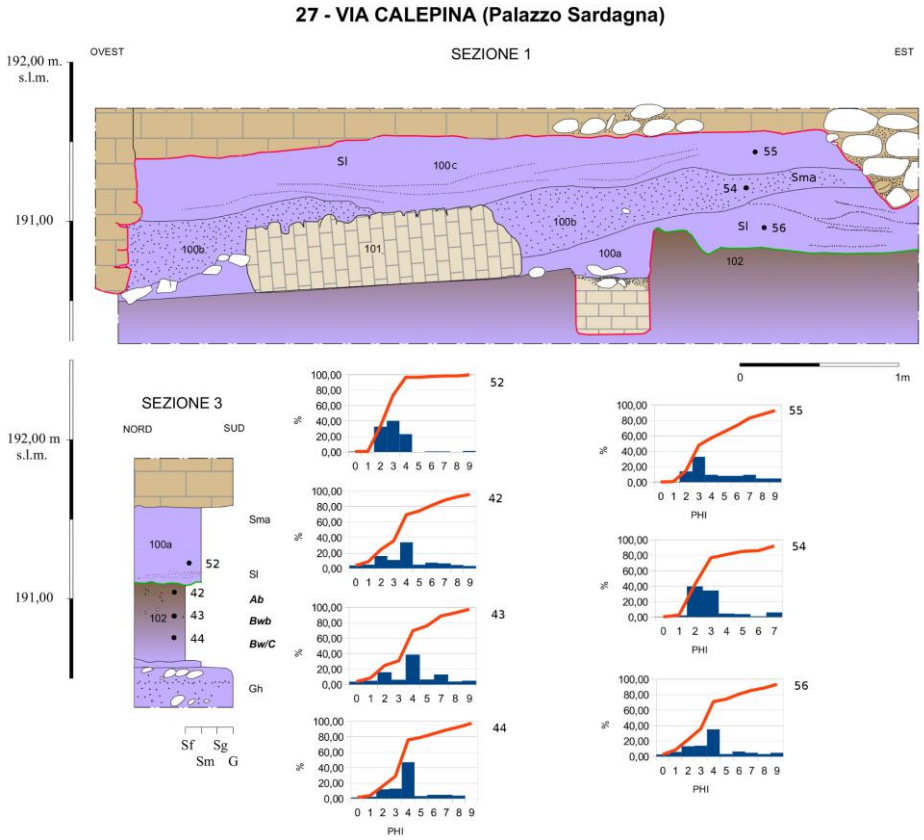


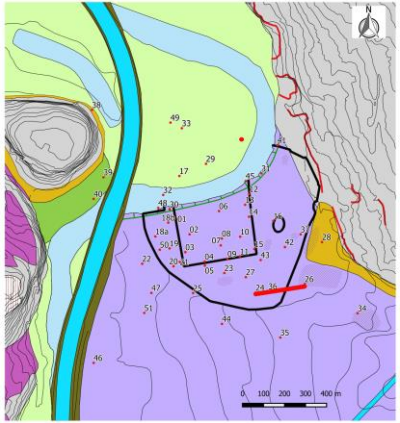




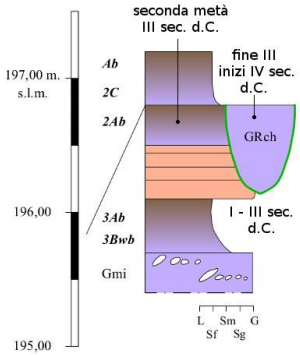




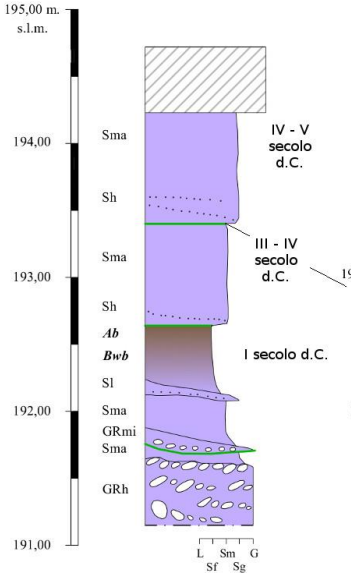

27 - VIA CALEPINA (Palazzo Sardagna)
SEZIONE 1
OVEST
EST
192,00 m. s.l.m.
191,00
Sl
100c
55
Sma
54
100b
101
100a
Sl
56
102
0
1m
SEZIONE 3
NORD
SUD
192,00 m s.l.m.
191,00
100a
52
42
102
43
44
Sma
Sl
Ab
Bwb
Bw/C
Gh
Sf
Sg
Sm
G
52
42
43
44
55
54
56
%
PHI



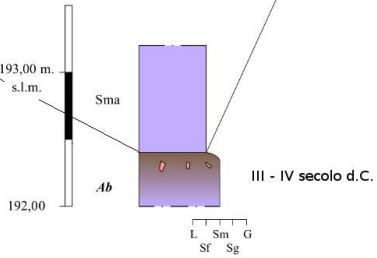
26 - VIA PILATI



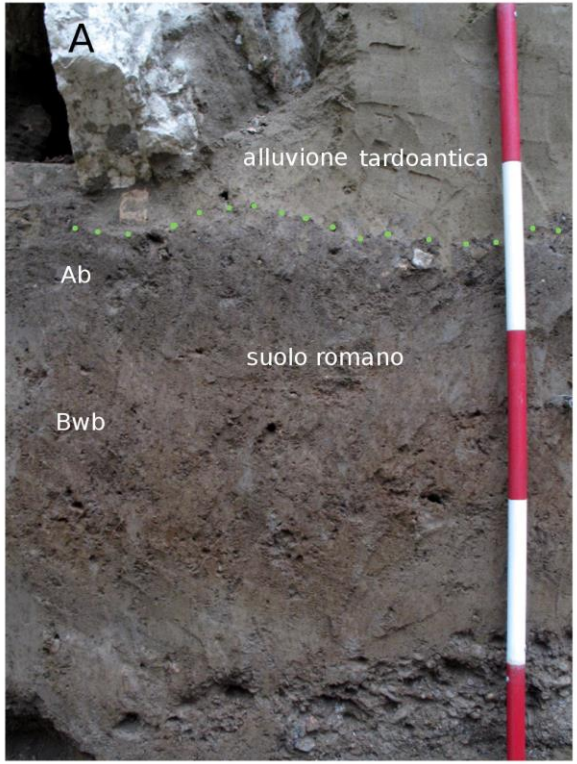
24 - VIA SS. TRINITA':
palazzo Roccabruna



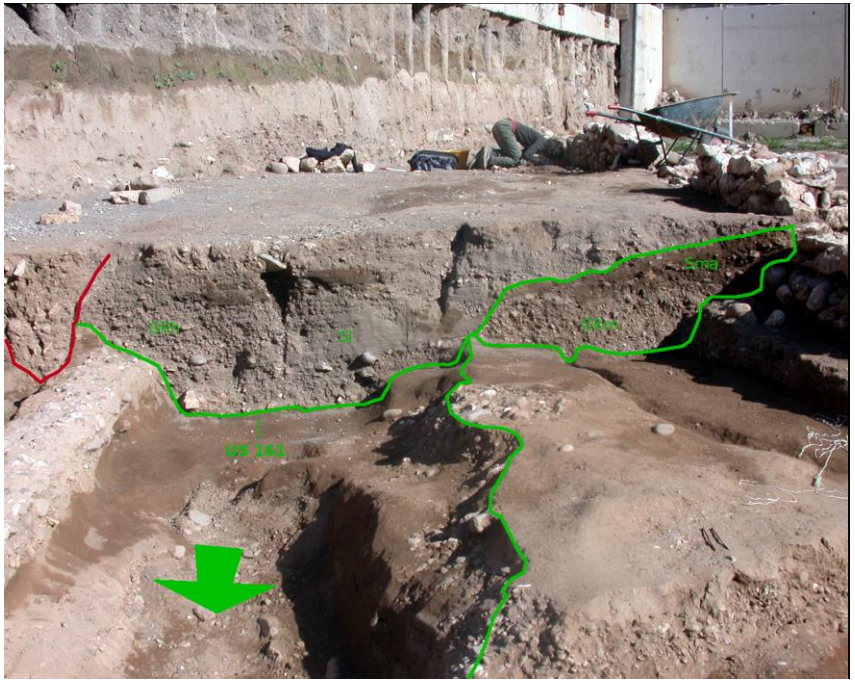
36 - PIAZZA GARZETTI



Palazzo Roccabruna



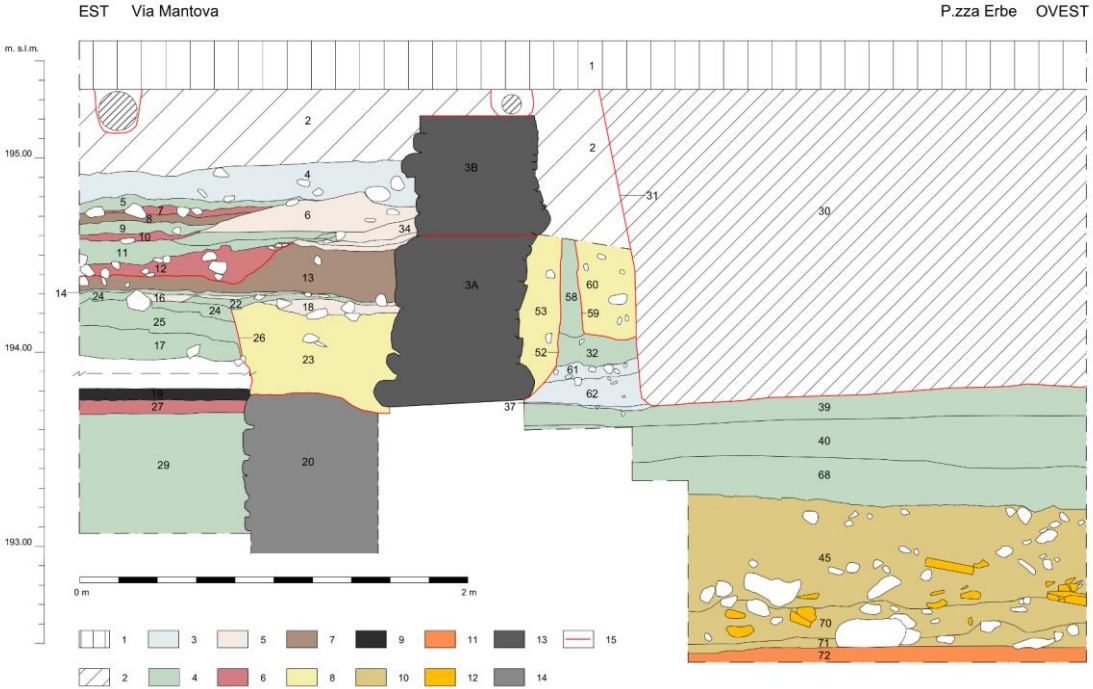
Via Pilati



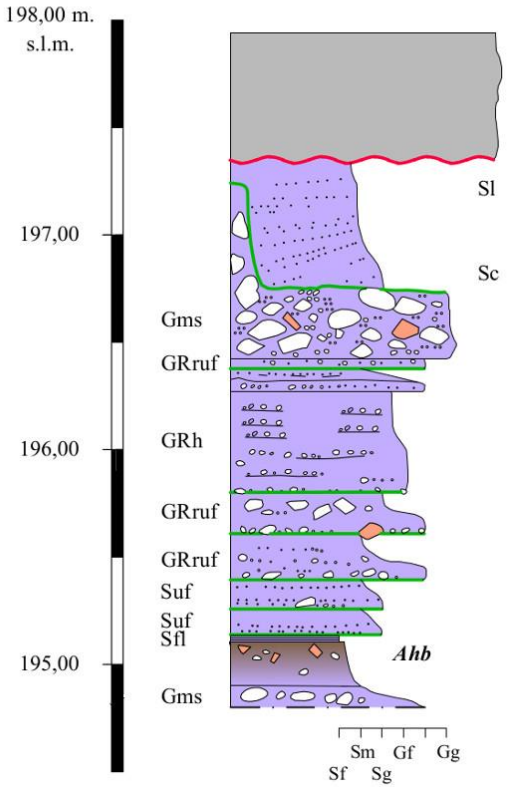
Piazza Erbe

TRENTO
22 10 2012
SEZ 1 2

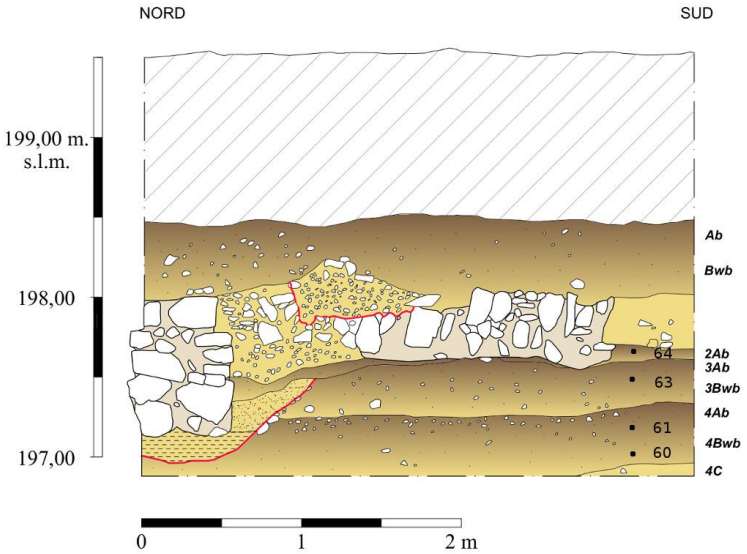
TRENTO
15 11 2012
US 3

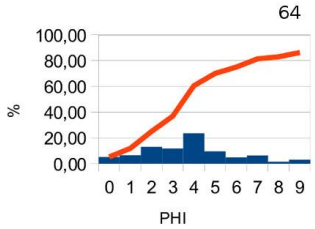

EST
Via Mantova
P.zza Erbe
OVEST
m. s.l.m.
195.00
194.00
193.00
0 m
2 m

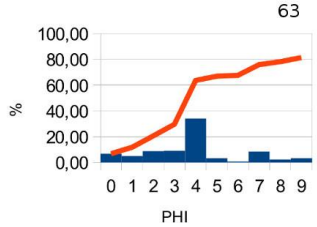
42 - VIA GALILEI

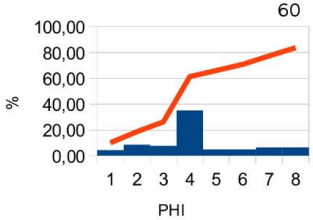


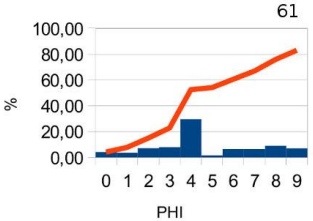
28 - PIAZZA VENEZIA



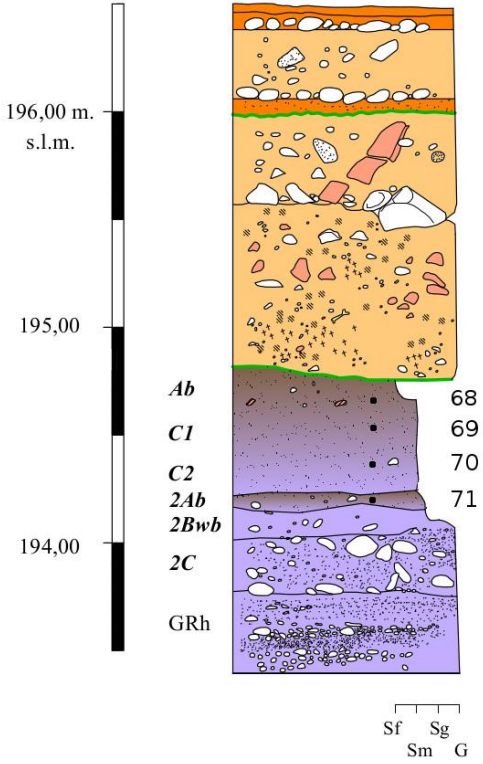


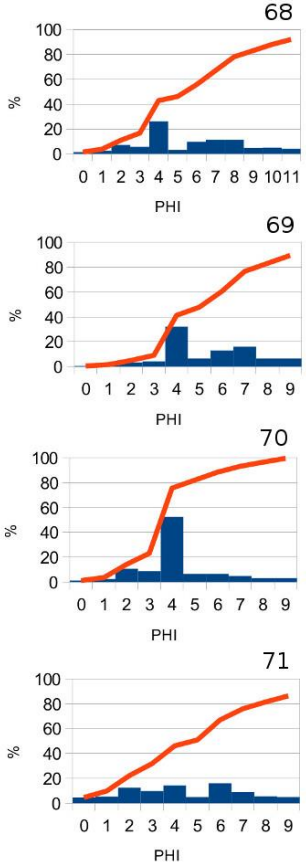




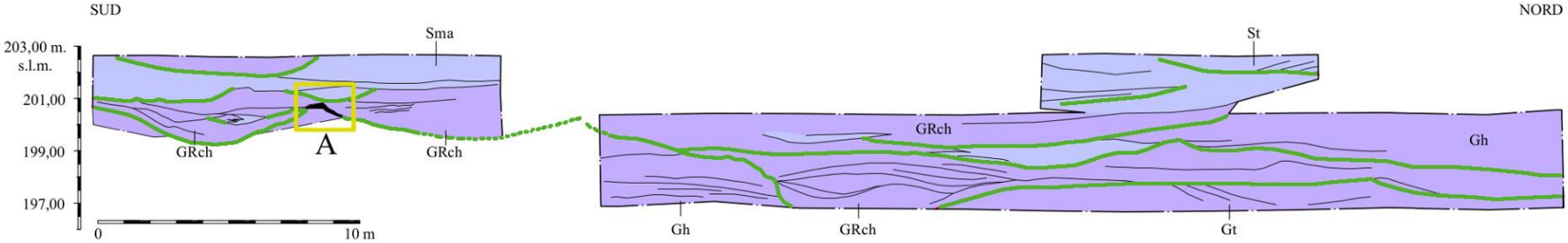


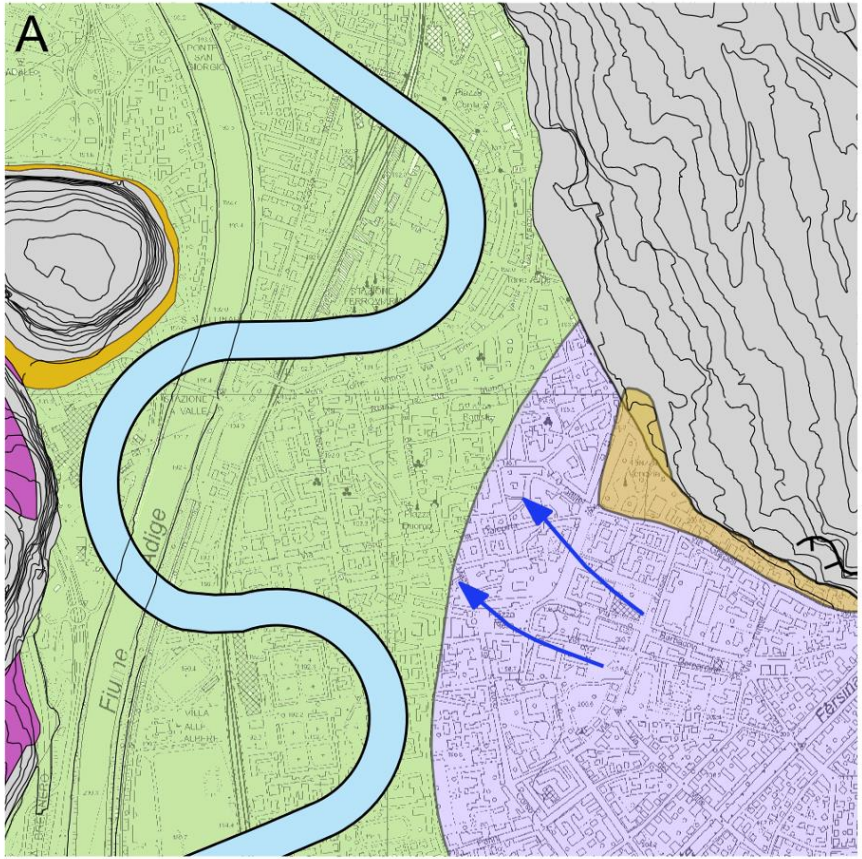
16 - VICOLO DEGLI ORBI

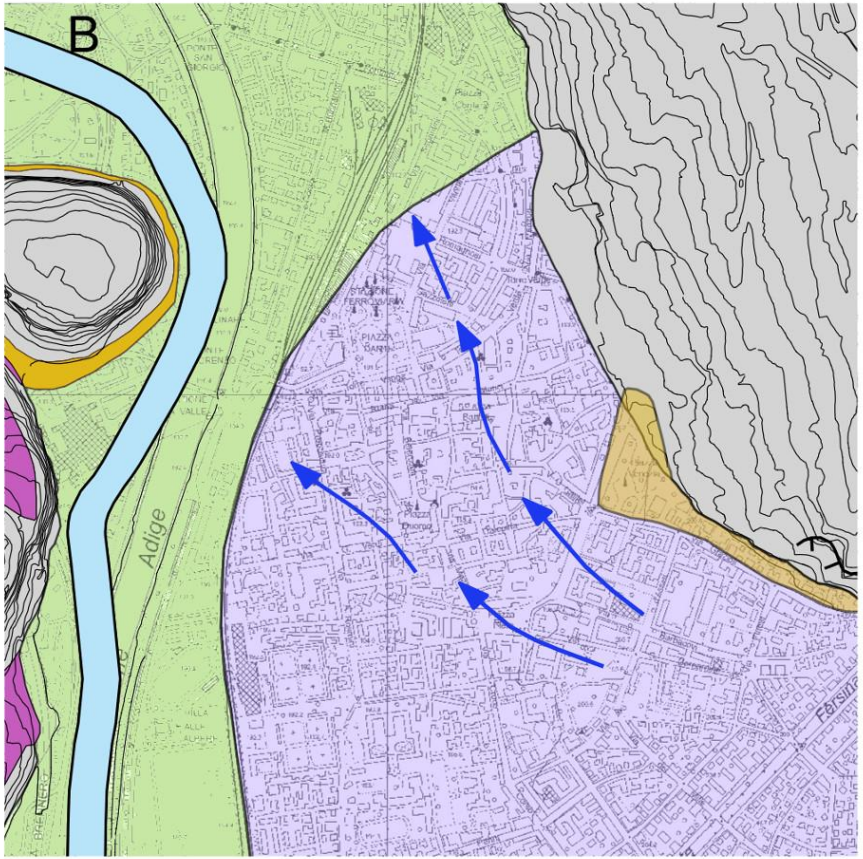


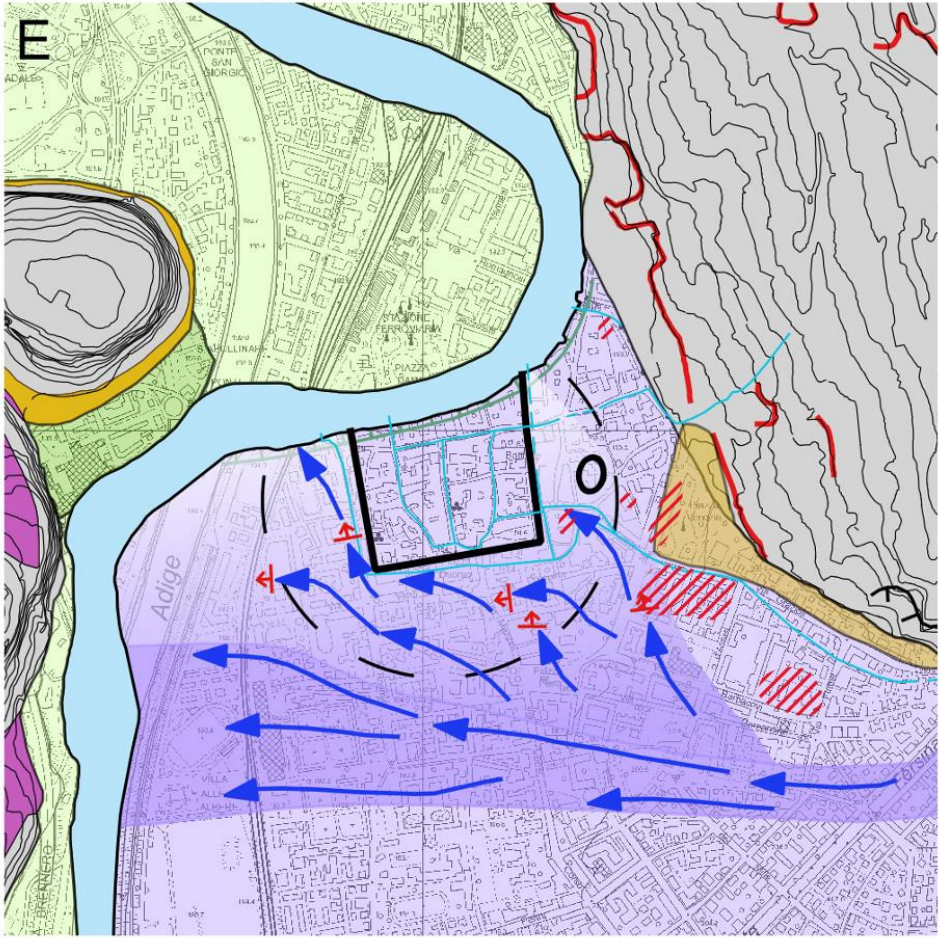


34 - VIA BARBACOVI




A
Fiume Adige

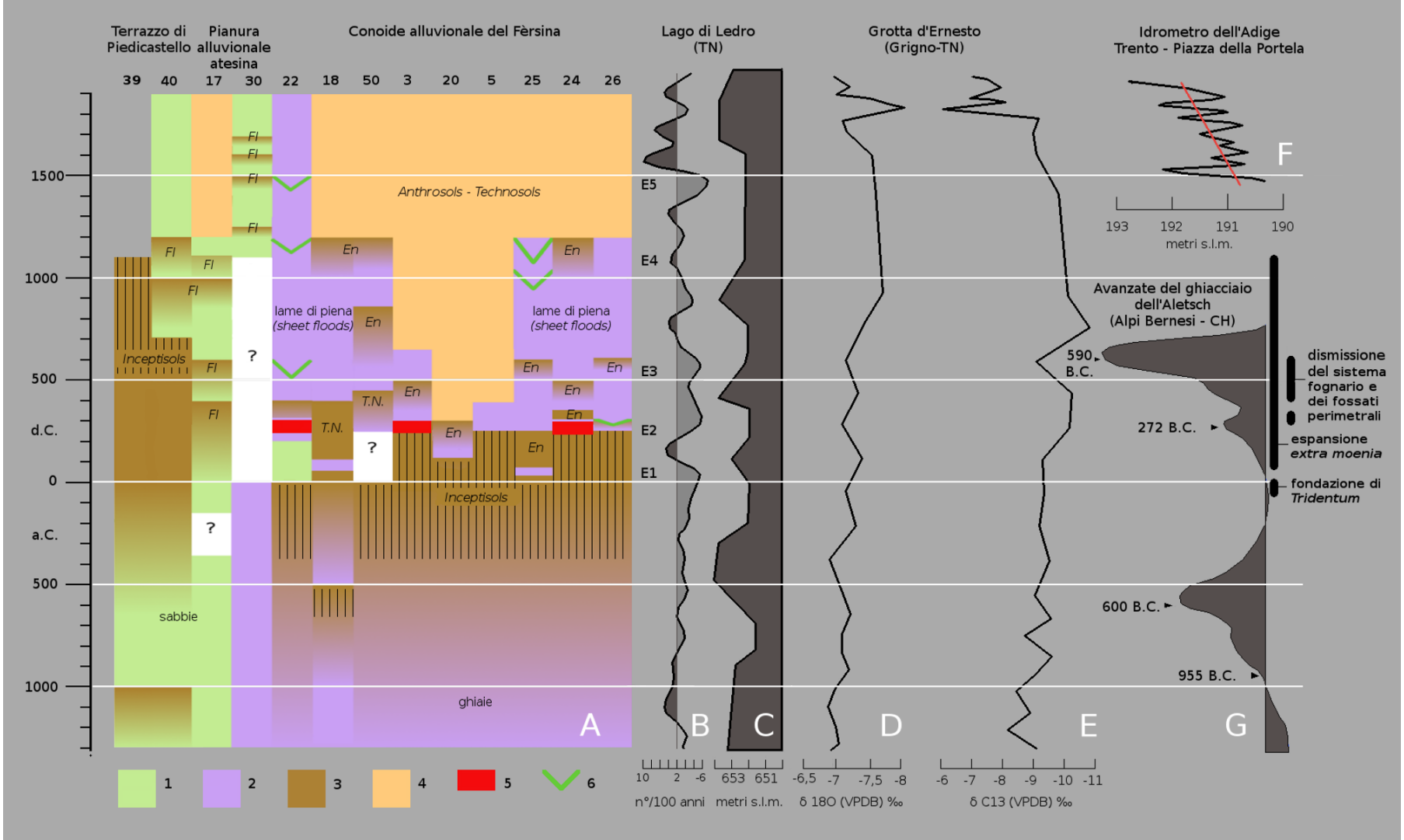

B
Adige


E
O
Adige
PONTE SAN GIORGIO
STAZIONE FERROVIARIA
PIAZZA

A
748

B

C


Terrazzo di Piedicastello
Pianura alluvionale atesina
Conoide alluvionale del Fèrsina
39 40 17 30 22 18 50 3 20 5 25 24 26
1500
1000
500
d.C.
0
a.C.
500
1000
Anthrosols - Technosols
Fl
En
lame di piena (sheet floods)
Inceptisols
T.N.
sabbie
ghiaie
A
1 2 3 4 5 6
Lago di Ledro (TN)
E5
E4
E3
E2
E1
B
C
10 2 -6
n°/100 anni
653 651
metri s.l.m.
Grotta d'Ernesto (Grigno-TN)
D
-6,5 -7 -7,5 -8
δ 18O (VPDB) ‰
E
-6 -7 -8 -9 -10 -11
δ C13 (VPDB) ‰
Idrometro dell'Adige Trento - Piazza della Portela
F
193 192 191 190
metri s.l.m.
Avanzate del ghiacciaio dell'Aletsch (Alpi Bernesi - CH)
590 B.C.
272 B.C.
600 B.C.
955 B.C.
dismissione del sistema fognario e dei fossati perimetrali
espansione extra moenia
fondazione di Tridentum
G

Grazie per
l'attenzione!