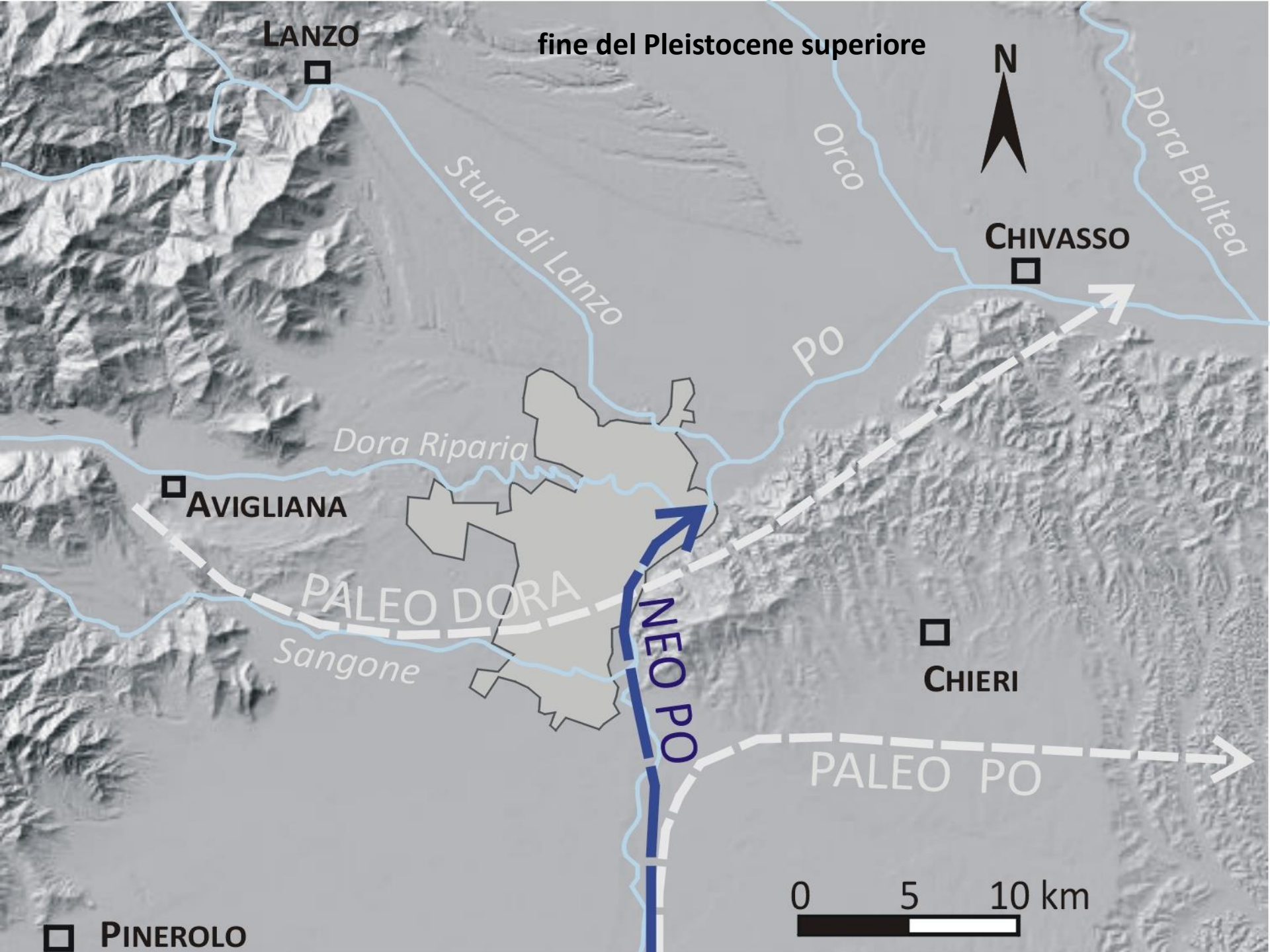


I terrazzi del Po

M. Gabriella Forno





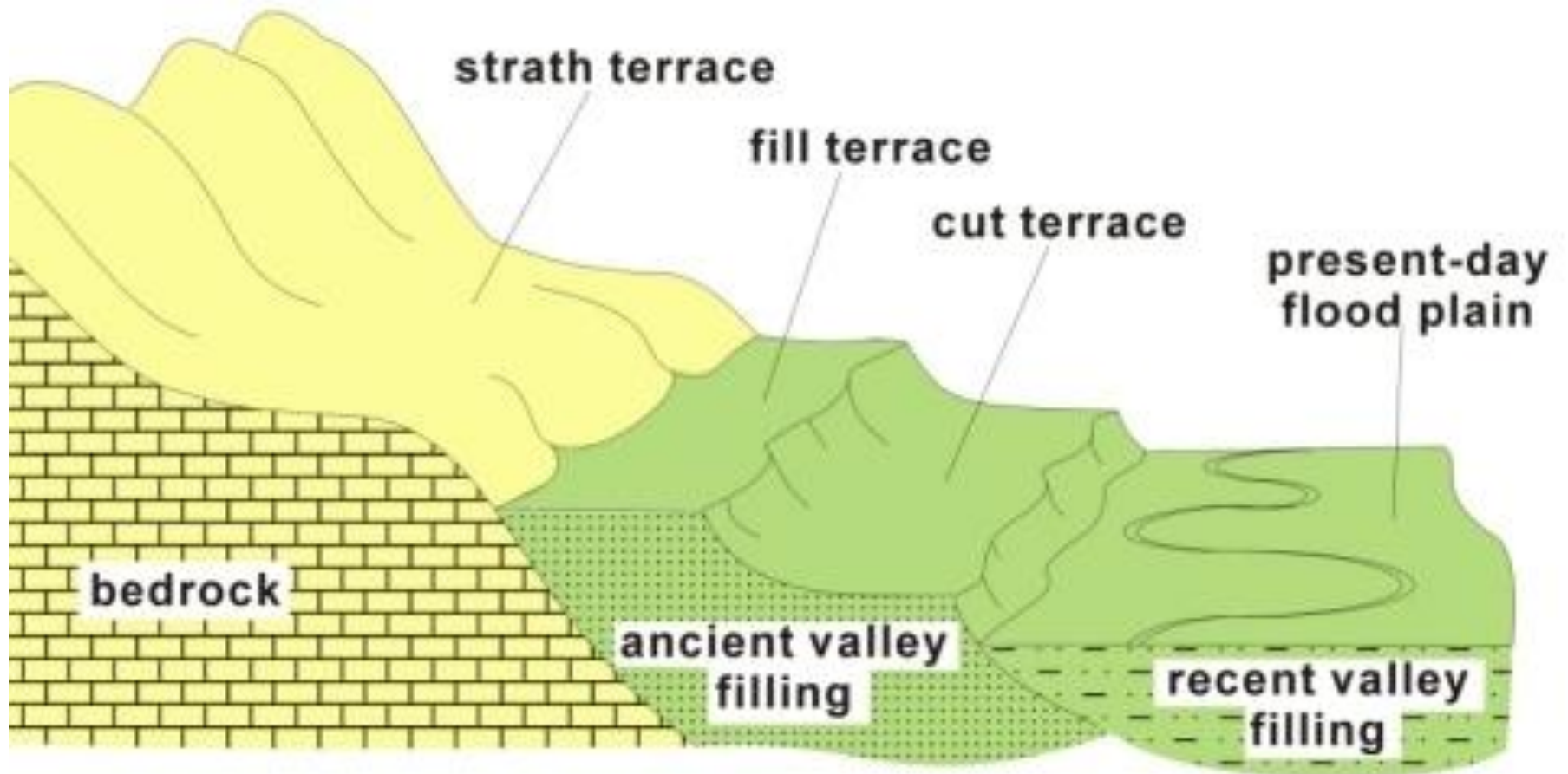
neoPo

T4

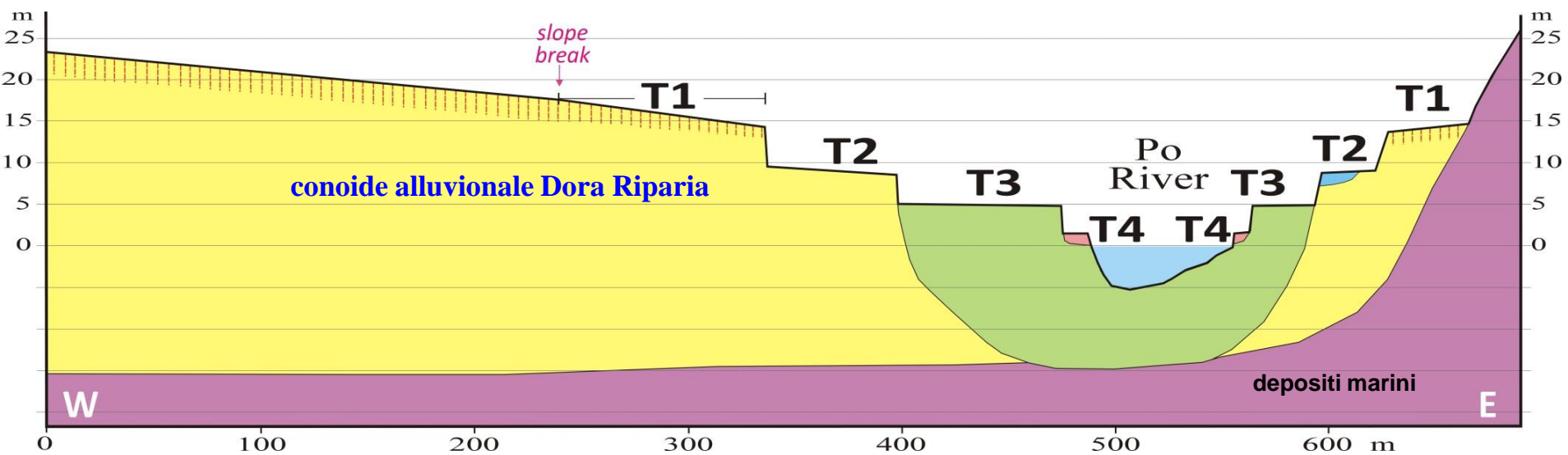
T3



terrazzi fluviali



terrazzi fluviali del Po







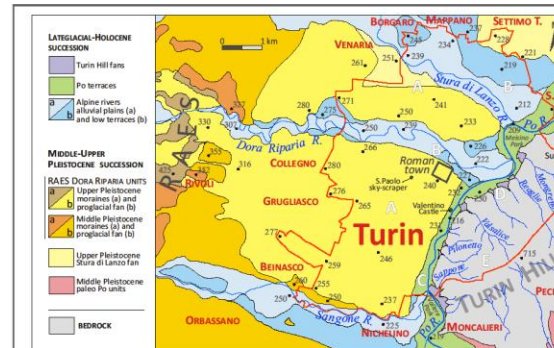
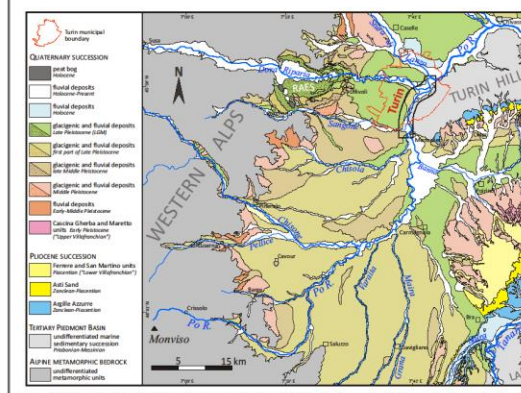
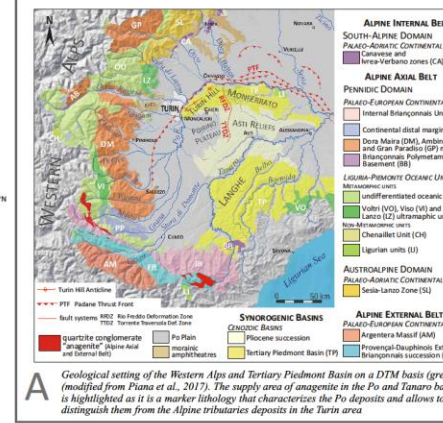
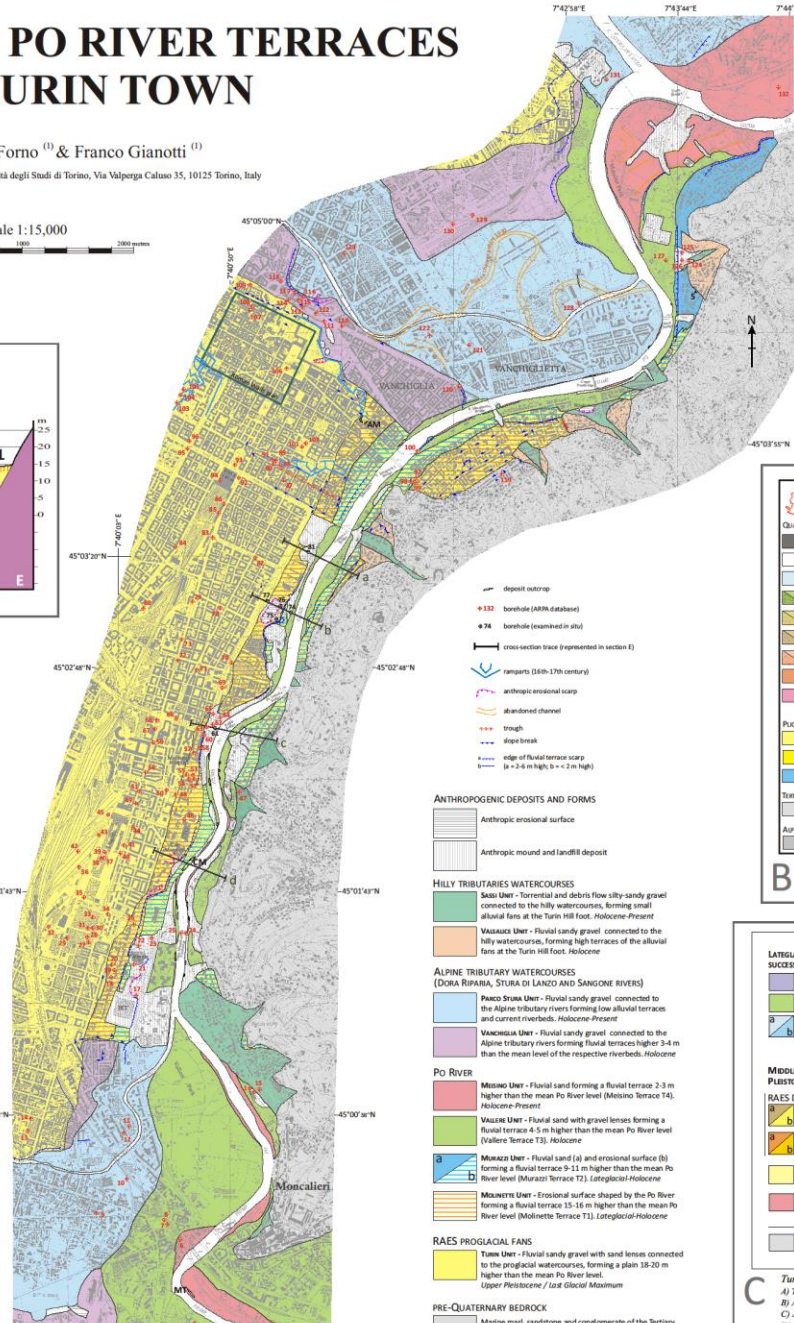
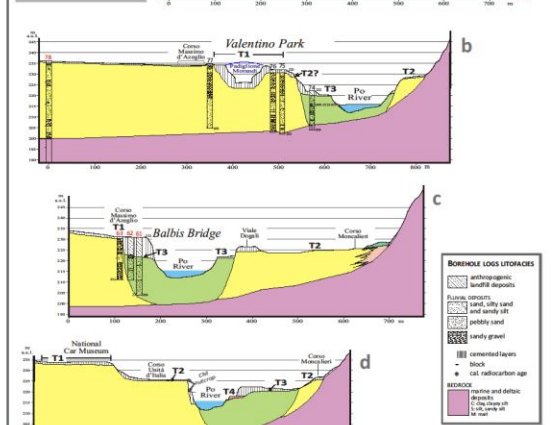
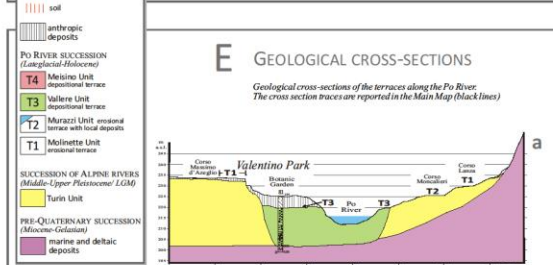
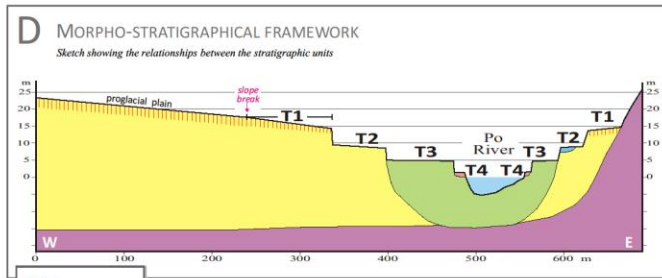
GEOLOGY OF THE PO RIVER TERRACES IN THE TURIN TOWN

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The Geological Map of the Po fluvial terraces in the Turin town is based on original surveys performed by the Authors during the first part of 2019.
The topographic base is taken from the Carta Tecnica Regionale della Regione Piemonte at a 1:10,000 scale (CTR raster_10k series in the G4 TIFF format, derived from aerial photos of 1991-1995; Coordinate System WGS 1984 UTM Zone 32N)

Scale 1:15,000
0 500 1000 2000 metres



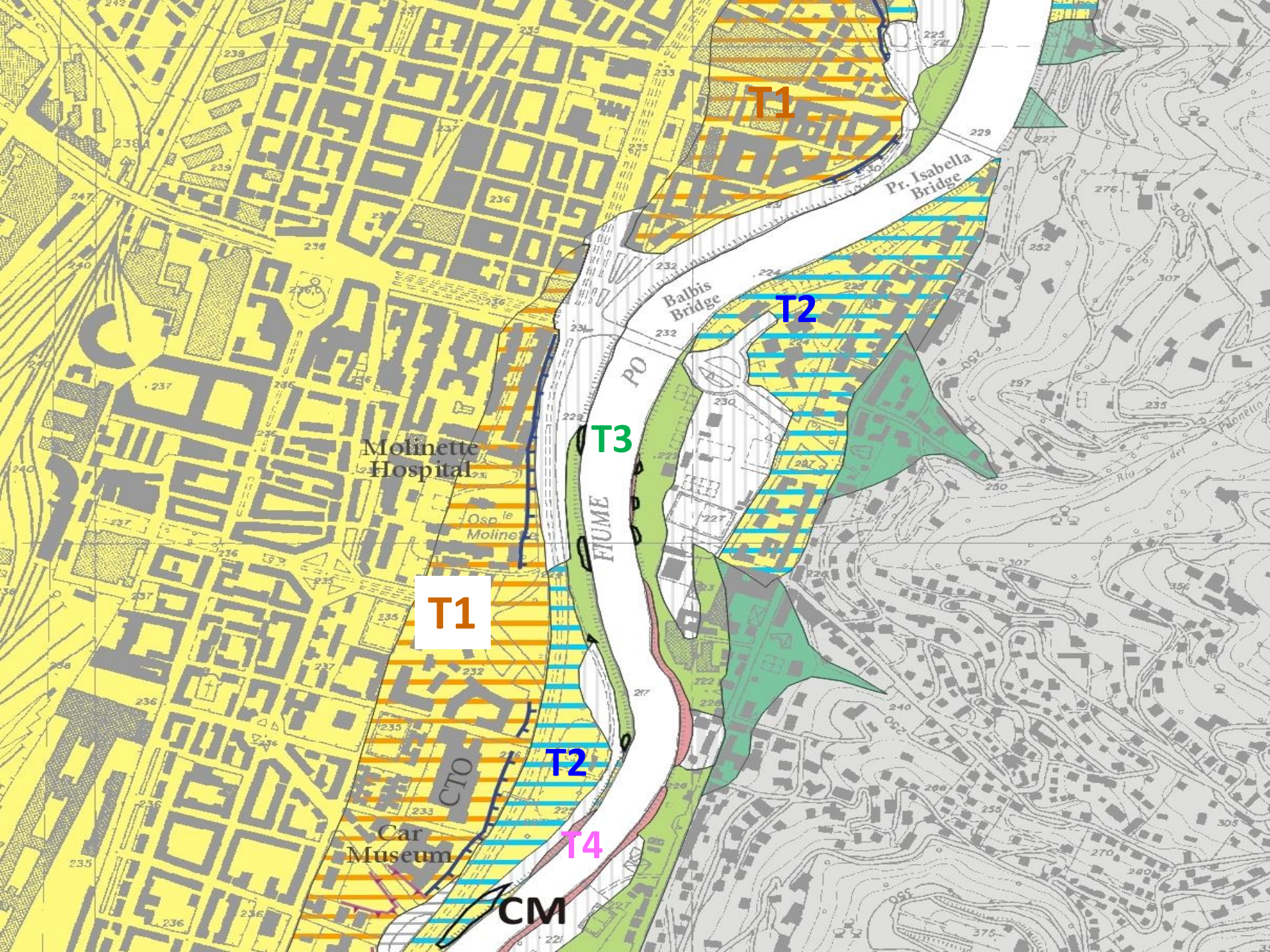
A) The wider sector of the town (70 km², 53% of the Turin extension) lies on the RAES proglacial plain fed by the Dora Riparia Valley.
B) A sector of the town (28 km², 22%) extends on the fluvial units of the alpine watercourses (Dagone, Dora Riparia and Stura di Lanzo).
C) A narrow band of the town (6 km², 4.5%) lies on the Po River terraces.





Collettore mediano





T1

T2

T3

T1

T2

T4

CM

Molinette
Hospital

Osp. le
Molinette

Car
Museum

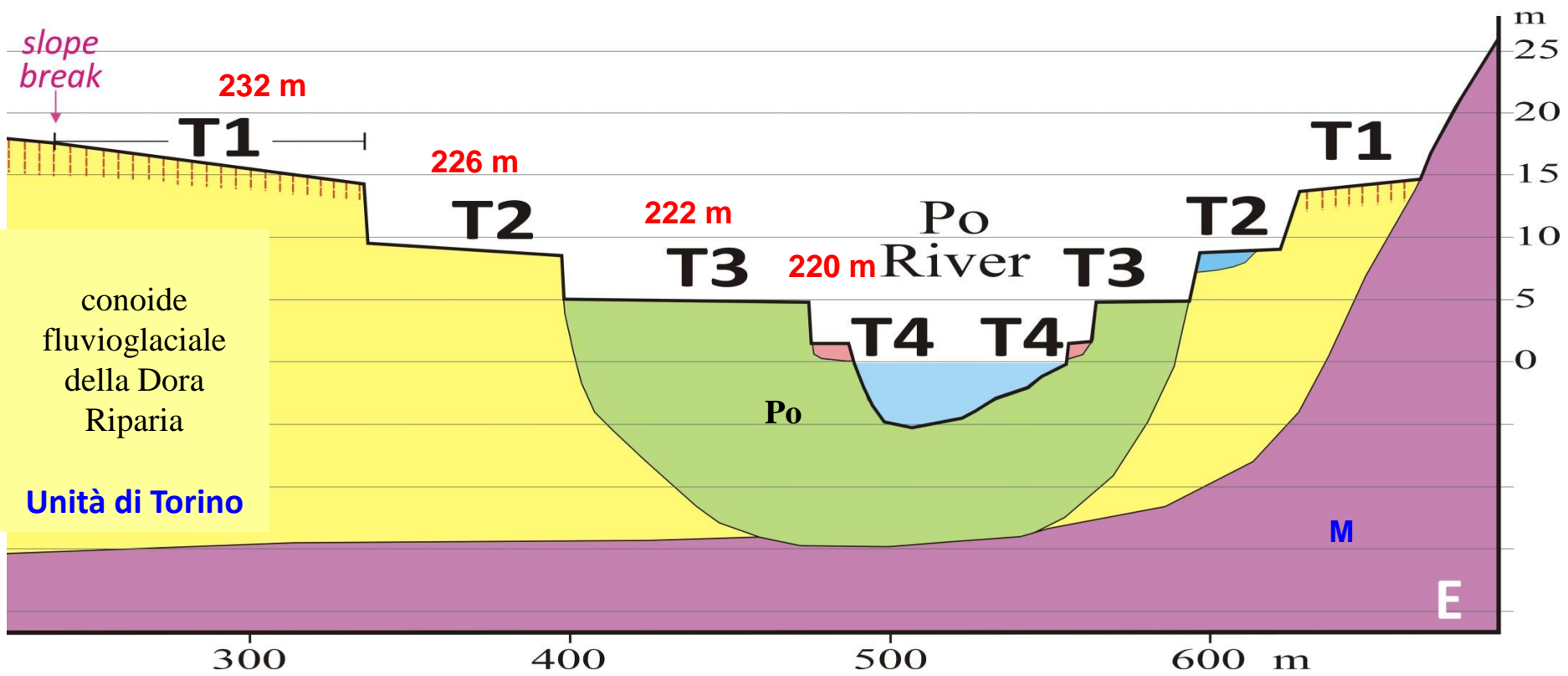
CTO

Fiume
PO

Balbis
Bridge

Pr. Isabella
Bridge

Rfo del
Pionetto



Ponte Isabella

T1

T4



T1

Complesso Aldo Moro

Via Sant'Ottavio



Complesso Aldo Moro



Complesso Aldo Moro

SW



Ospedale Regina Margherita

T1

T2

T4





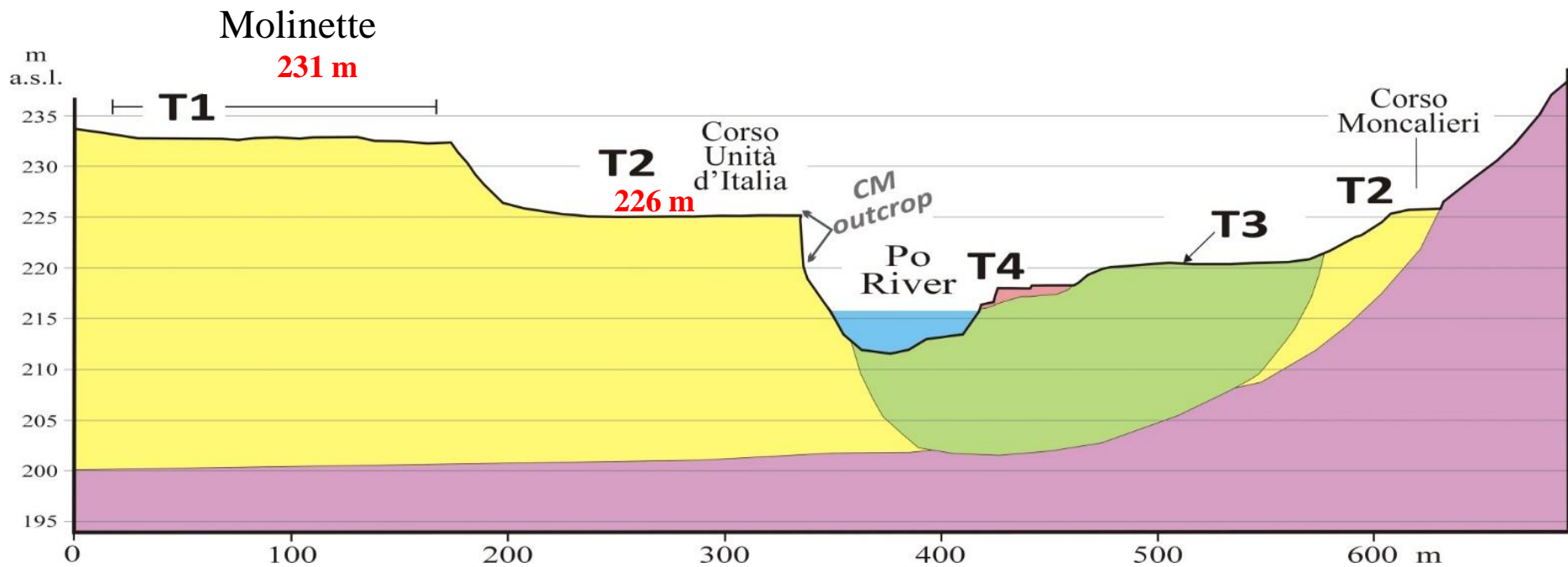
T2

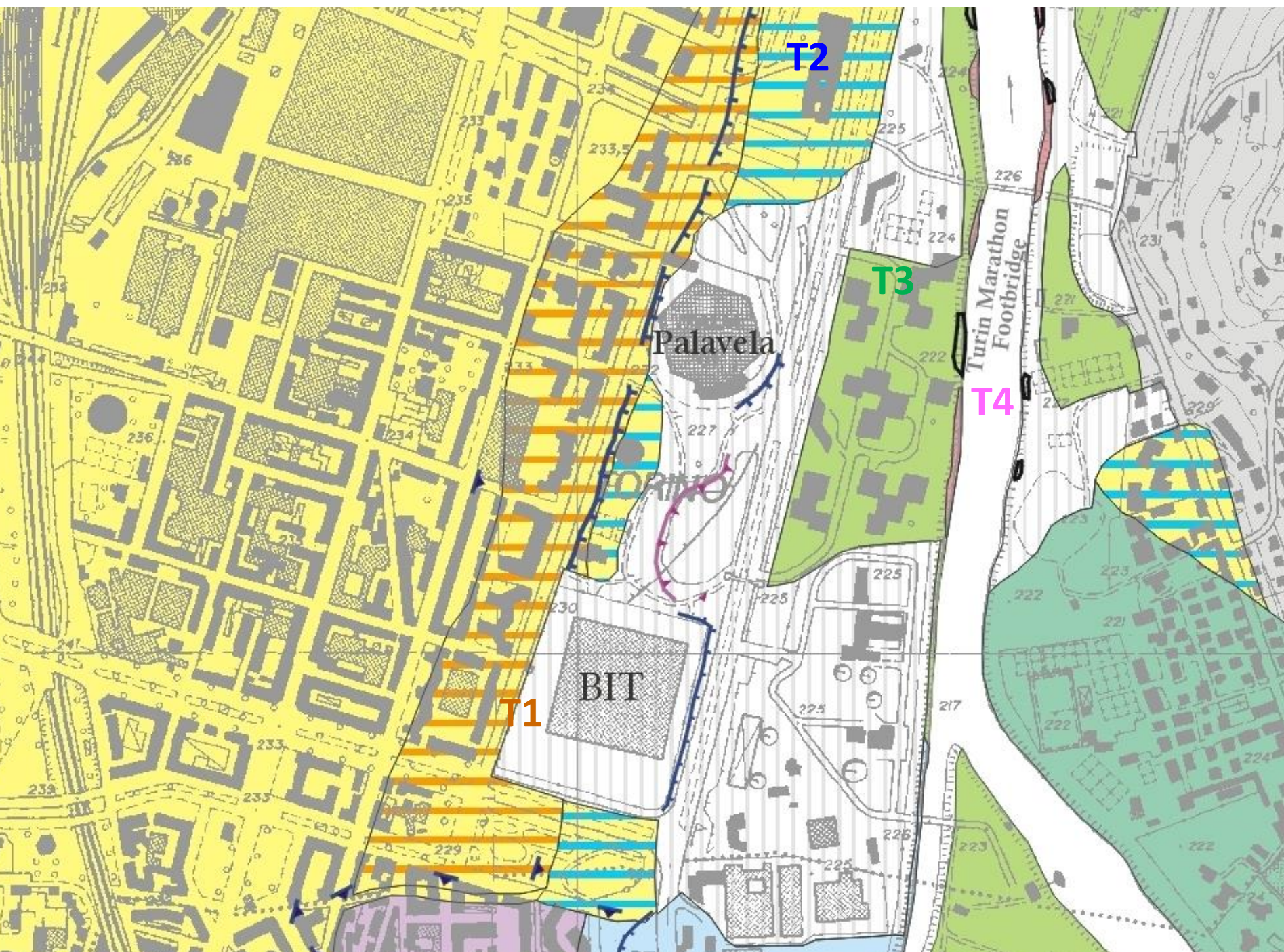
Corso Unità d'Italia

T2

g

s





Ponte Balbis

sponda destra

T4

T3

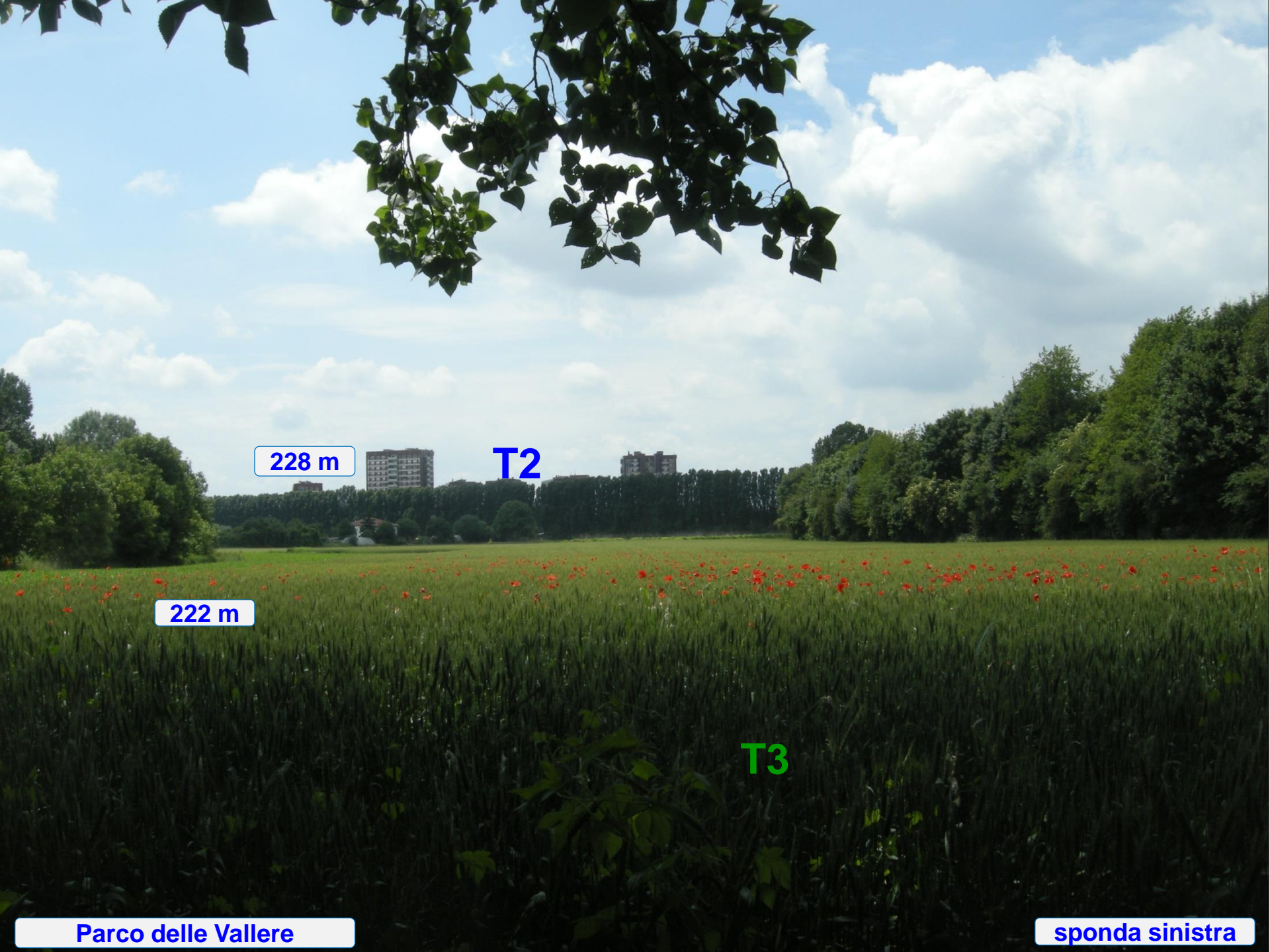




T3

T4

sponda sinistra



228 m

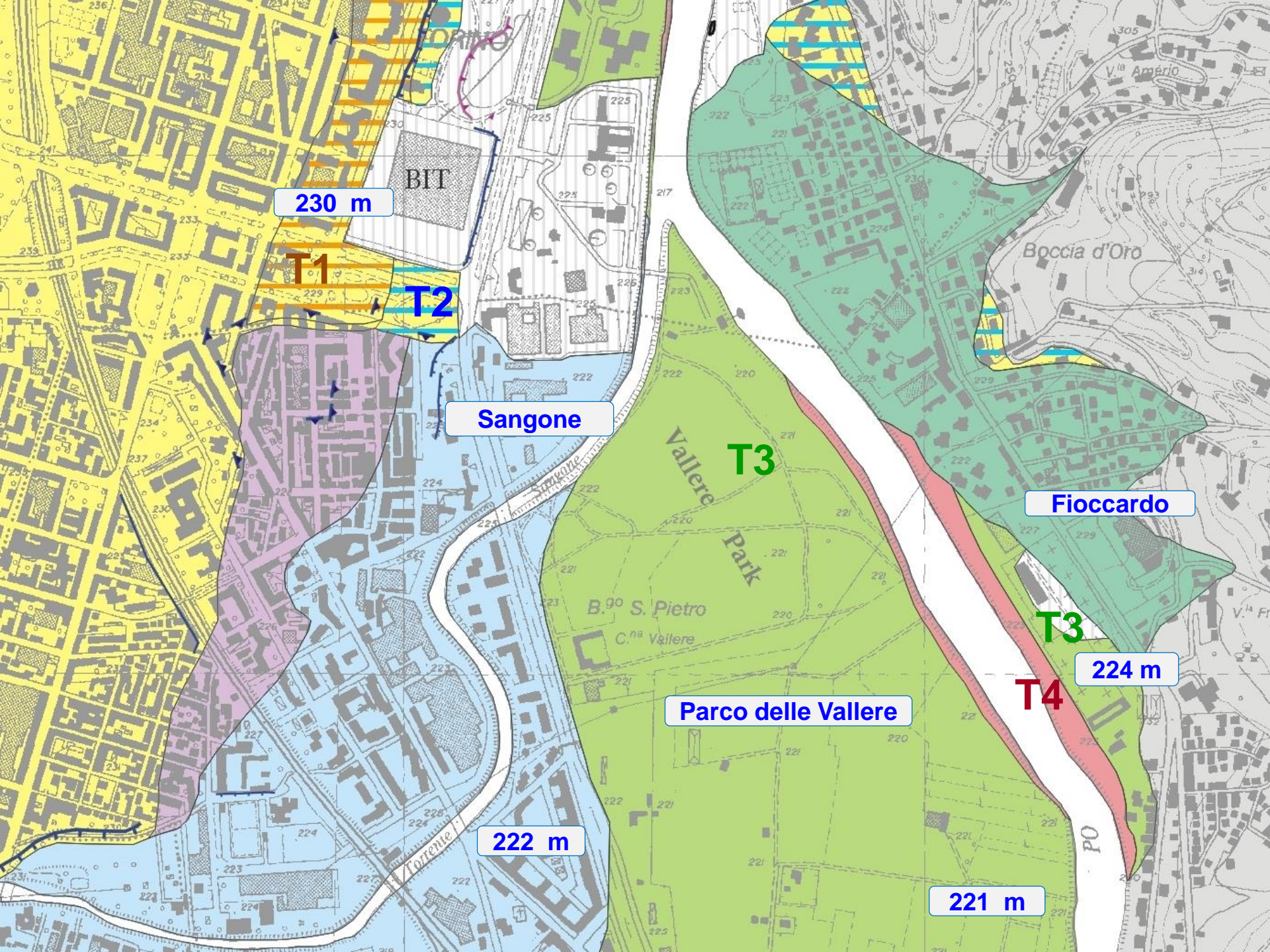
T2

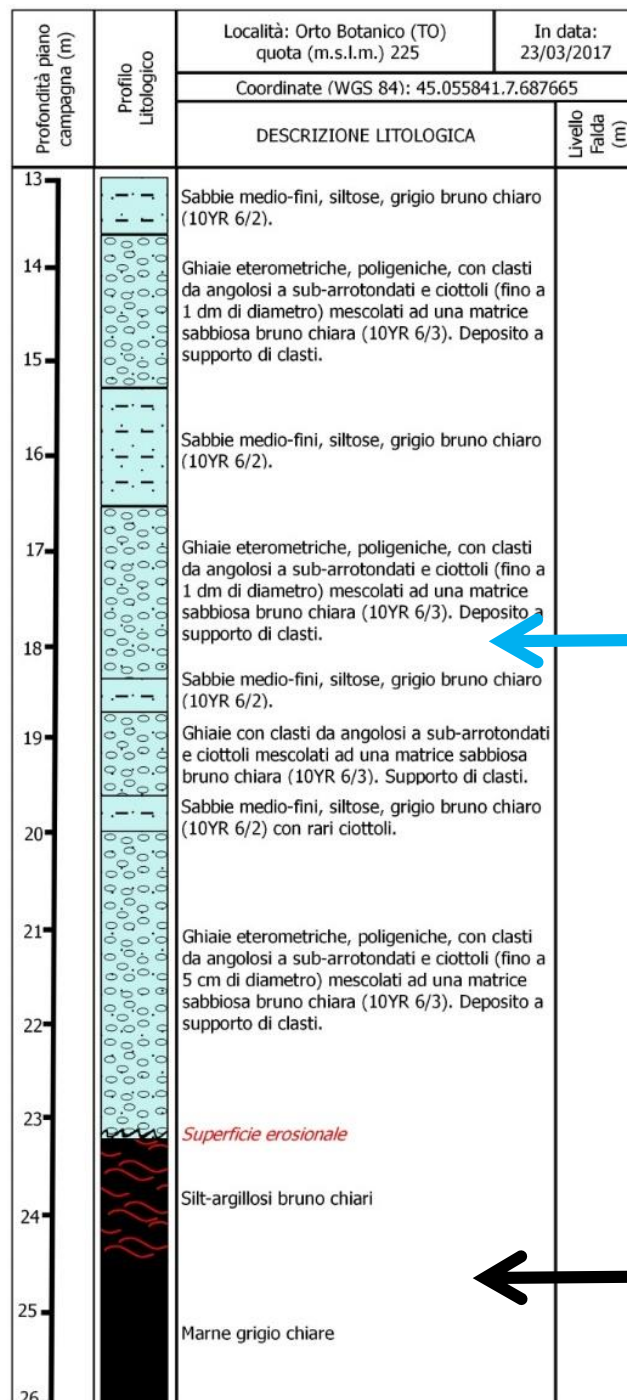
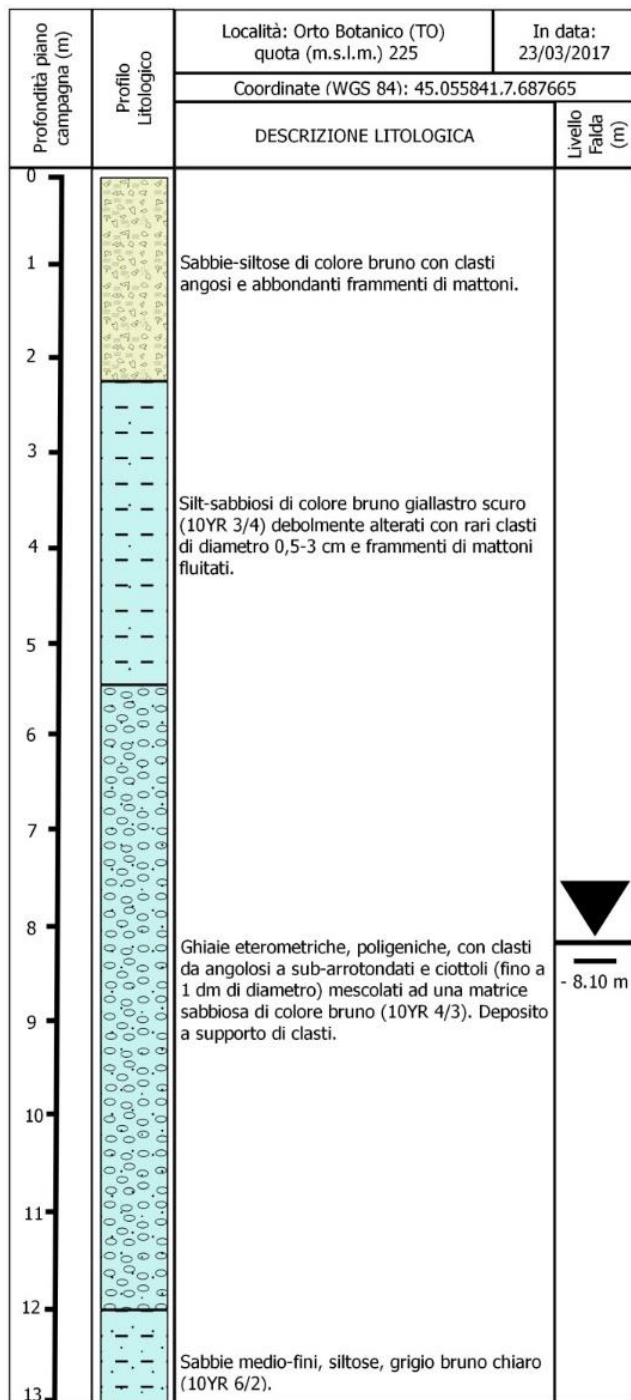
222 m

T3



T3





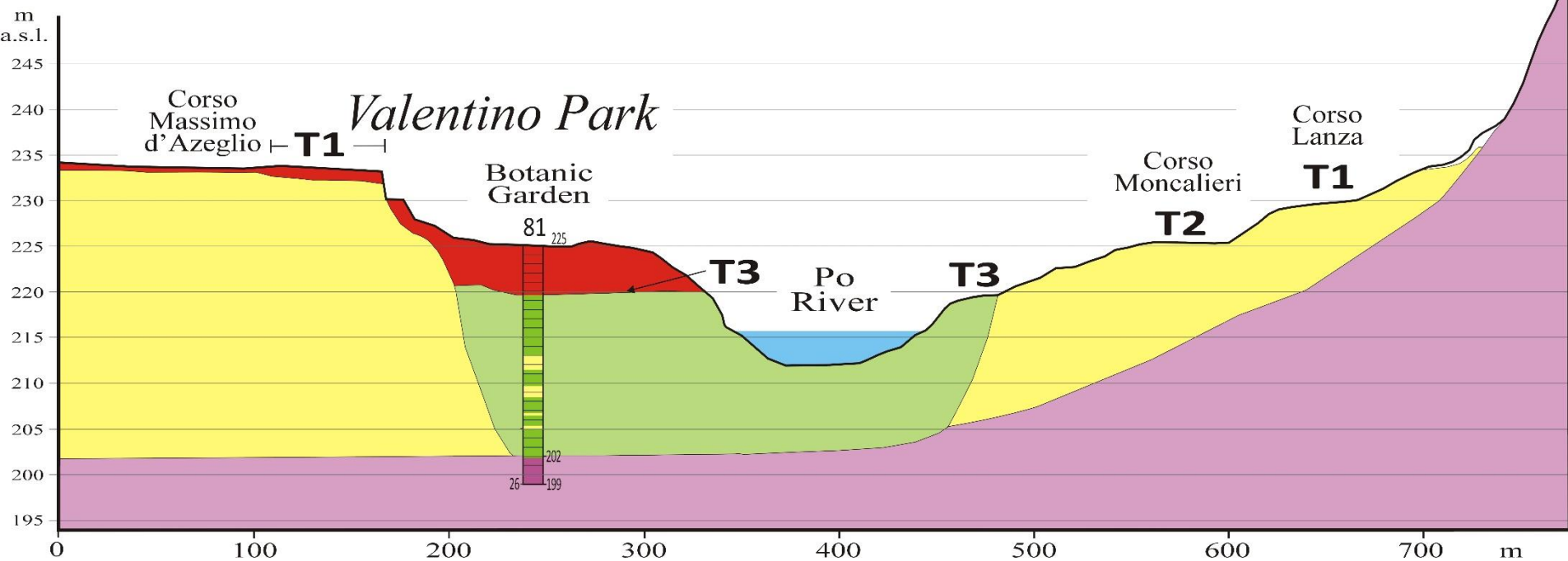
**depositi
fluviali**

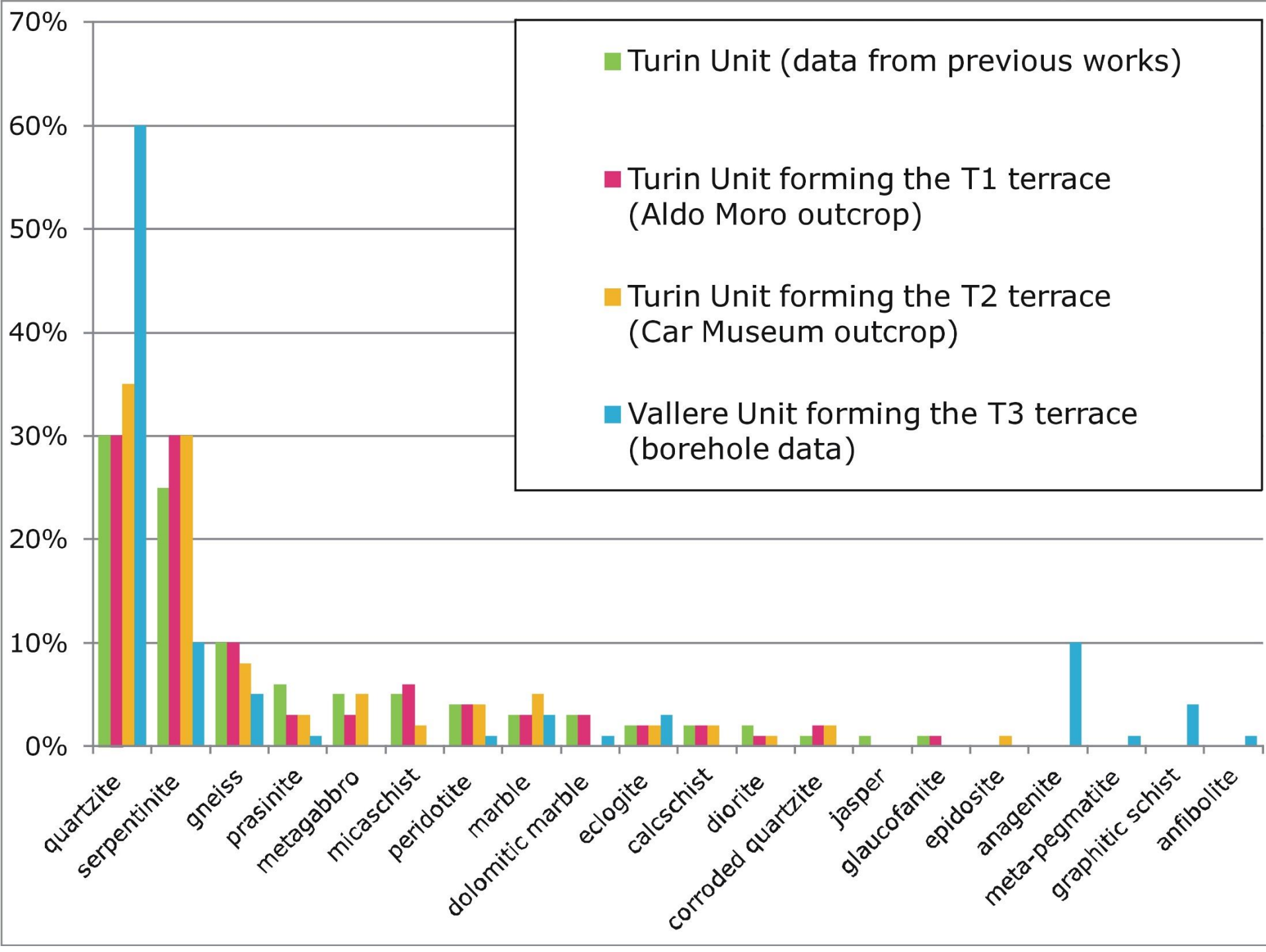
**successione
pliocenica**

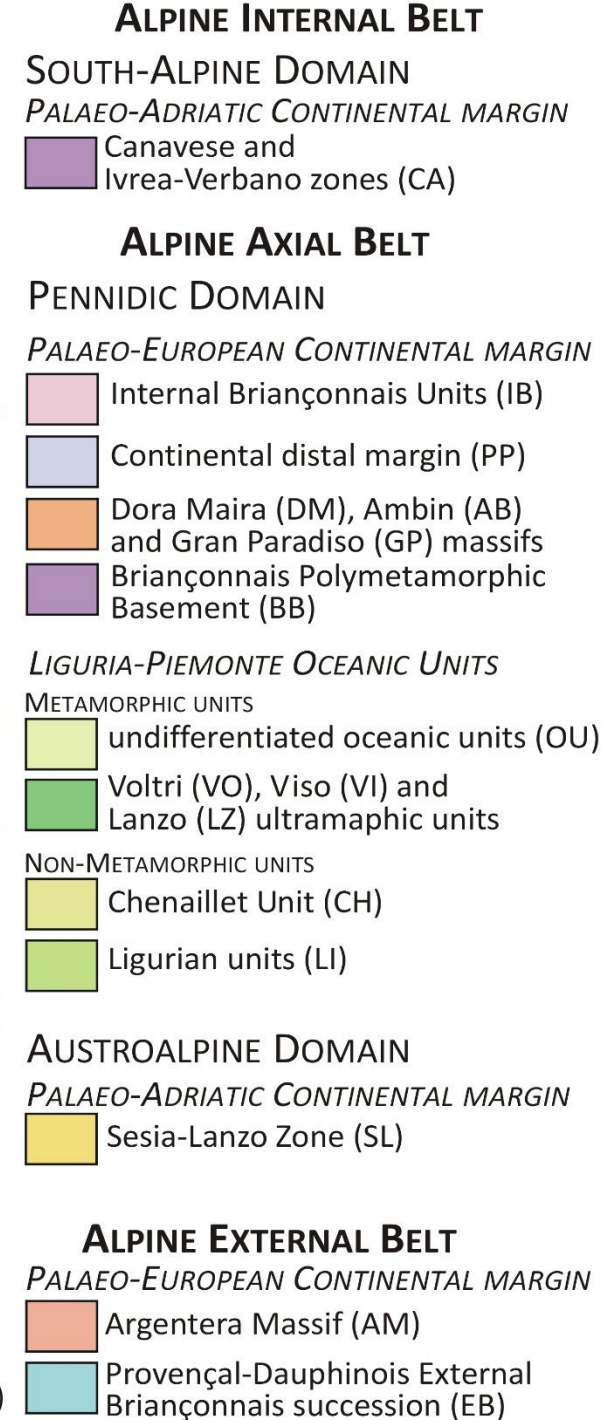
Torino, Orto Botanico













T3

T4



T4

Stura di Lanzo

210 m

T4

FIUME Po

216 m

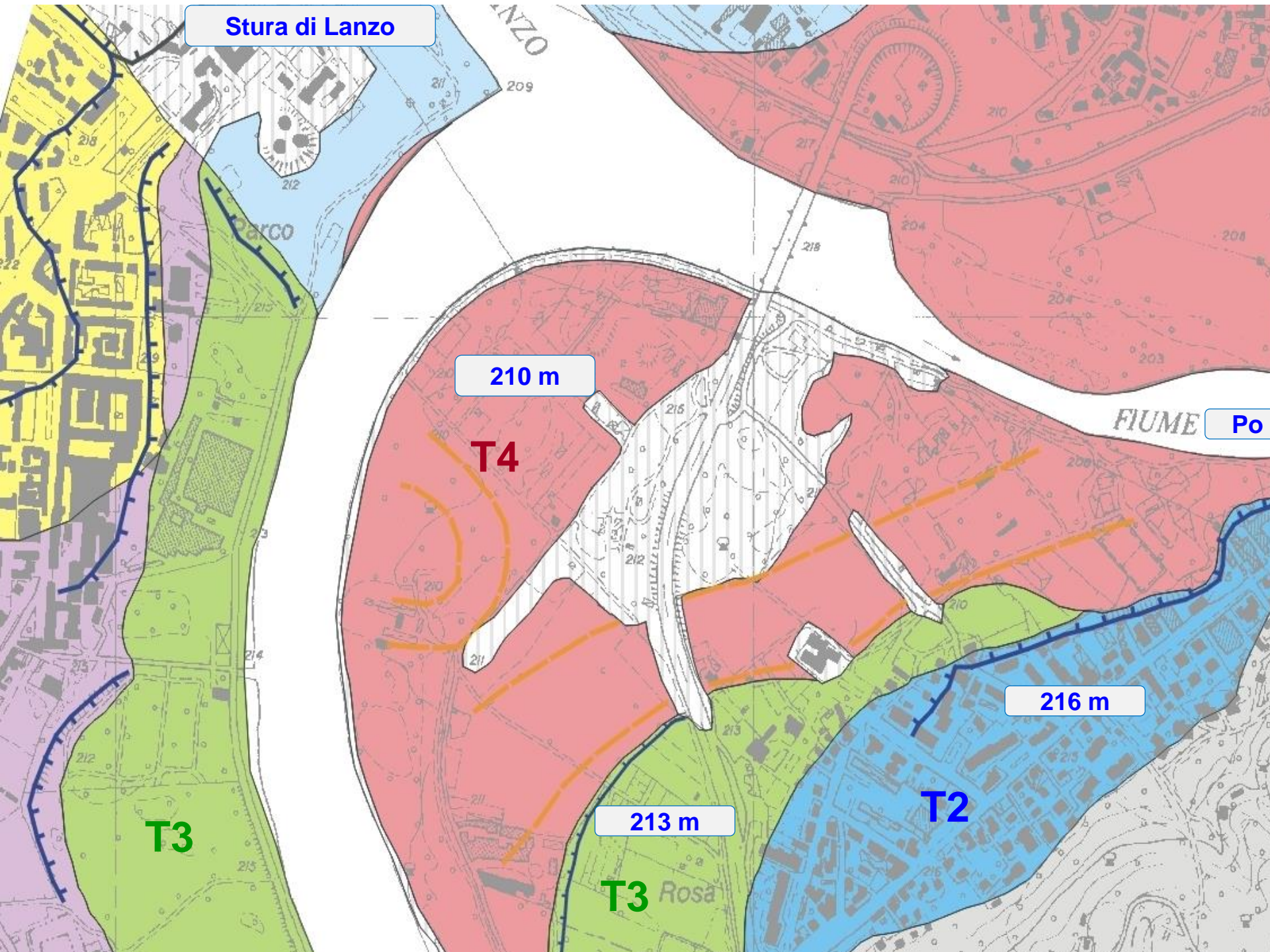
T2

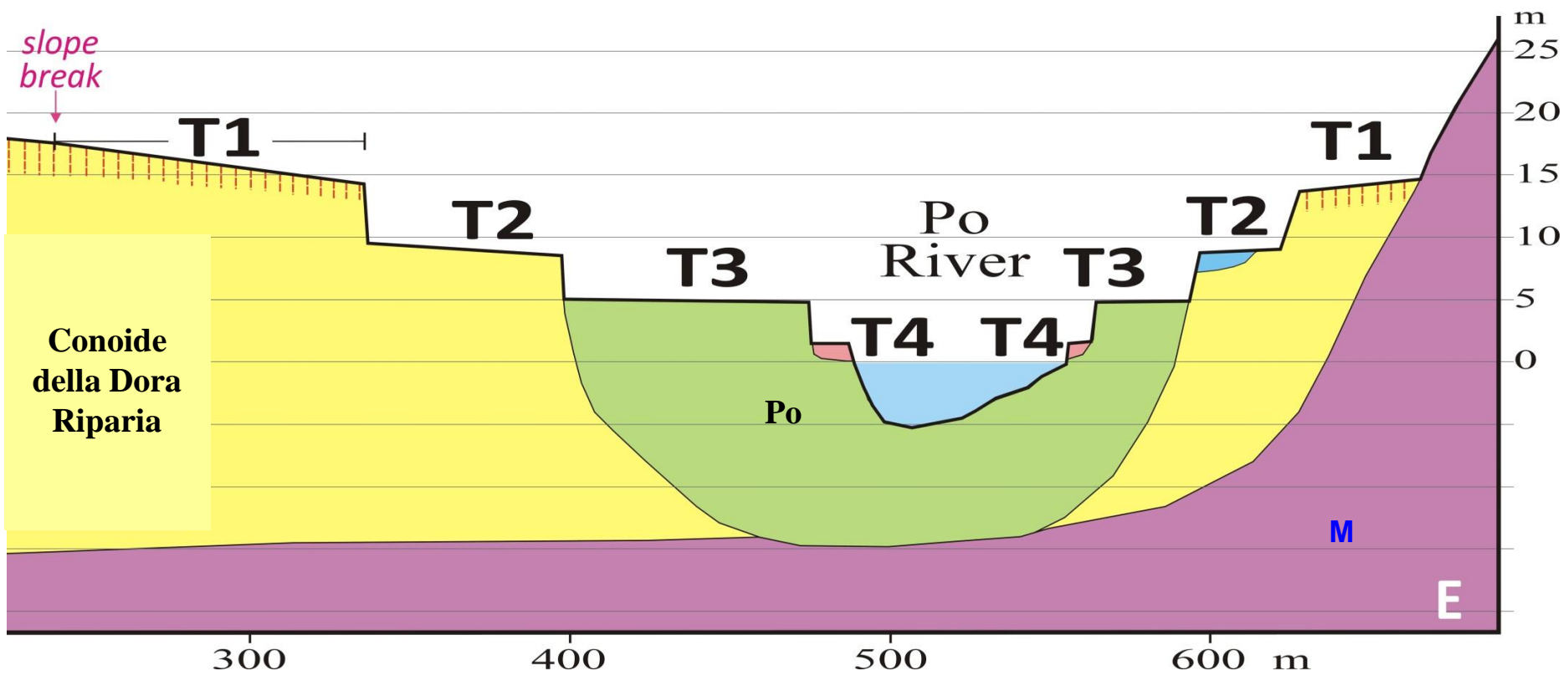
213 m

T3

Rosa

T3





9	T. Banna outcrop (Villastellone) q.226 m a.s.l.	gravel and grey sand	- 5 m q. 221 m	11955 ± 140	14.1-13.5 y BP
8	Po-Banna rivers confluence q.216 m a.s.l.	big floated trunks in fluvial gravels, lying beneath recent overflow silts	- 1 m ? q. 215 m ?	12000 ± ?	about 14.5-13.5 ky BP
7	Candiolo excavation q. 237 m a.s.l.	peaty layer below clayey silt and sand	- 2.5 m q. 234.5 m	24300 ±200	28.8-27.9 ky BP
6	Vinovo borehole q. 232 m a.s.l.	peaty layer in clayey silt	- 10 m q. 222 m	26270 ±400	31.1-29.6 ky BP
5	Fontane Quarry (Pancalieri) q. 243 m a.s.l.	grey clayey silt	- 7 m q. 236 m	27450 ±900	33.5-29.7 ky BP
4	Ronchi well (Trofarello) q. 225 m a.s.l.	trunk remains in grey clayey silt lying above gravel	- 12 m q. 213 m	30660 ±1290	37.6 - 31.7 ky BP
3	C. Resca well (Trofarello) q. 228 m a.s.l.	blue-grey clayey silt and fine sand	- 13 m q. 215 m	33960 ±1735	41.7 - 34.7 ky BP
		peat in blue-grey clay with silt	- 20 m q. 208 m	30370 ±1605	38.0 - 31.2 ky BP
2	T. Chisola outcrop at Tetti Caglieri (Vinovo) q. 228 m a.s.l.	reworked trunk remains in blue-grey clayey silt and medium to fine sand	-4 m q. 224 m	> 44 ky	
1	Molinello Quarry (Moncalieri)	woody macrorests in sand and gravel at the base of	ca. 20-25 m q. 198-202 m	> 44 ky	

n°	site altitude a.s.l.	lithostratigraphy	depht (m) quote (m a.s.l.)	radiocarbon age (¹⁴ C yr BP)	calibrated age ¹ (calendar year BP)	ref
17	Ceretto quarry (Carmagnola) q. 235 m a.s.l.	tree trunk in gravel and greyish sand	- 6-7 m q. 229 m	160 ± 50	288-59 y BP (1662-1891 AD)	e,
		tree trunk in gravel and greyish sand	- 6-7 m q. 228 m	480 ± 50	561-451 y BP (1389-1499 AD)	f
16	Zucca and Pasta quarry (La Loggia) q. 225 m a.s.l.	tree trunk in alluvial gravel and grey sand	- 5 m q. 220 m	290 ±30	457-349 y BP (1493-1601 AD)	c,f
15	Molinello quarry (Moncalieri) q. 223 m a.s.l.	tree trunk of <i>Salix</i> in alluvial sand	- 3 m q. 220 m	900 ±70	930-692 y BP (1020-1258 AD)	a,c
		tree trunk in alluvial gravel and grey sand	- 4-5 m q. 219 m	1700 ±75	1745-1476 y BP (205-474 AD)	f
14	Fallé quarry (Casalgrasso) q. 240 m a.s.l.	gravel and grey sand	- 6-7 m q. 233 m	3150 ± 50	3466-3232 y BP (1517-1283 BC)	f
13	Torino quarry (Carignano) q. 227 m a.s.l.	coarse and medium sand with pebbles	- 4 m q. 223 m	4365 ± 80	5144-4826 y BP (3195-2877 BC)	f
12	Provana quarry (Carmagnola) q. 230 m a.s.l.	gravel and greyish sand	- 4.5 m q. 225.5 m	4460 ± 60	5298-4955 y BP (3349-3006 BC)	f
11	Po-Pellice rivers confluence (Faule) q. 244 m a.s.l.	gravel and greyish sand	- 3.5 m q. 240.5 m	5180 ± 70	6121-5841 y BP (4172-3892 BC)	f
10	Fontane quarry (Pancalieri) q. 243 m a.s.l.	oak trunk rest in yellowish-grey sand and gravel	- 8 m q. 235 m	5855 ±75	6808-6482 y BP (4859-4533 BC)	b,

Valentino

328 ± 21 a ^{14}C BP

