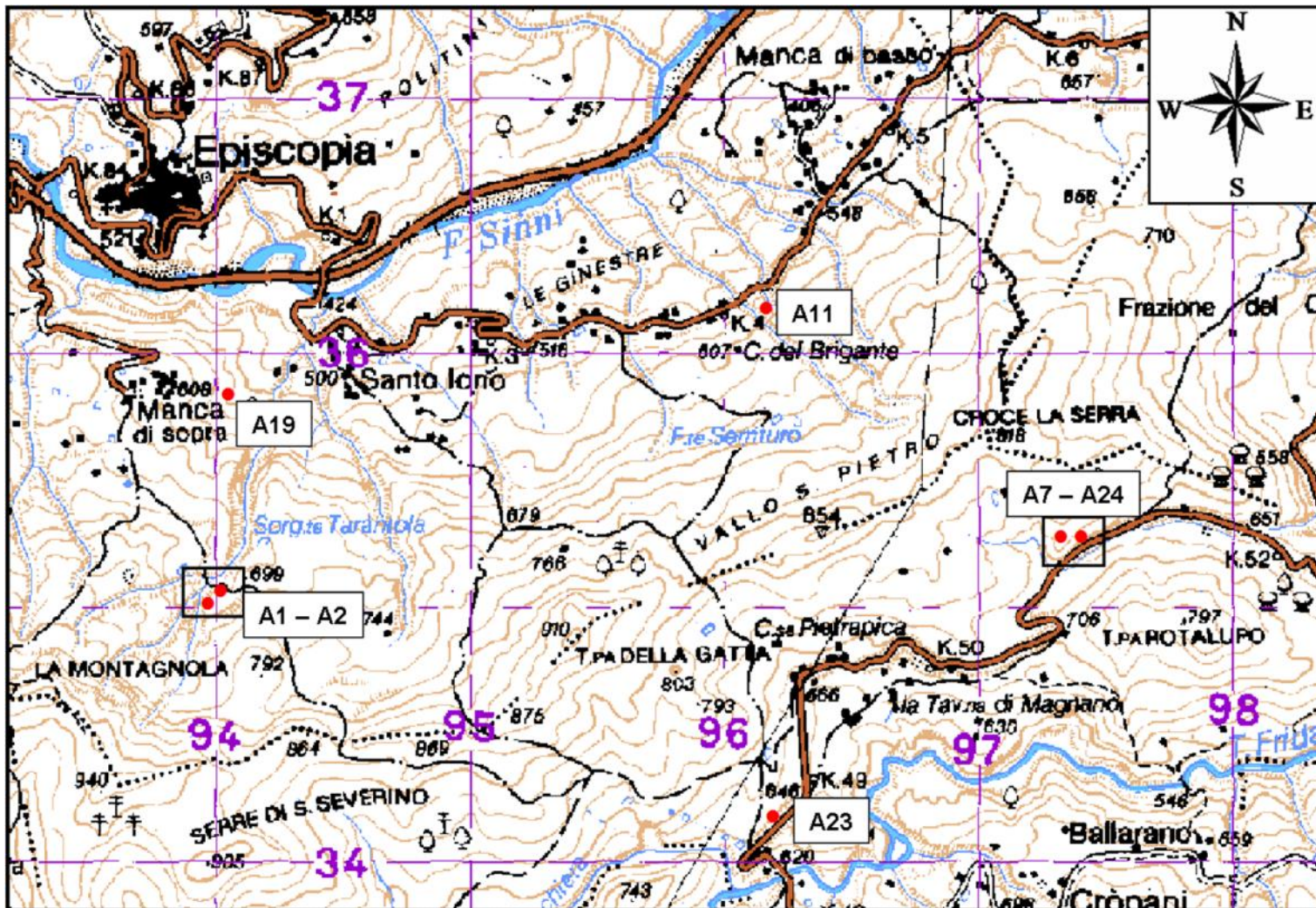
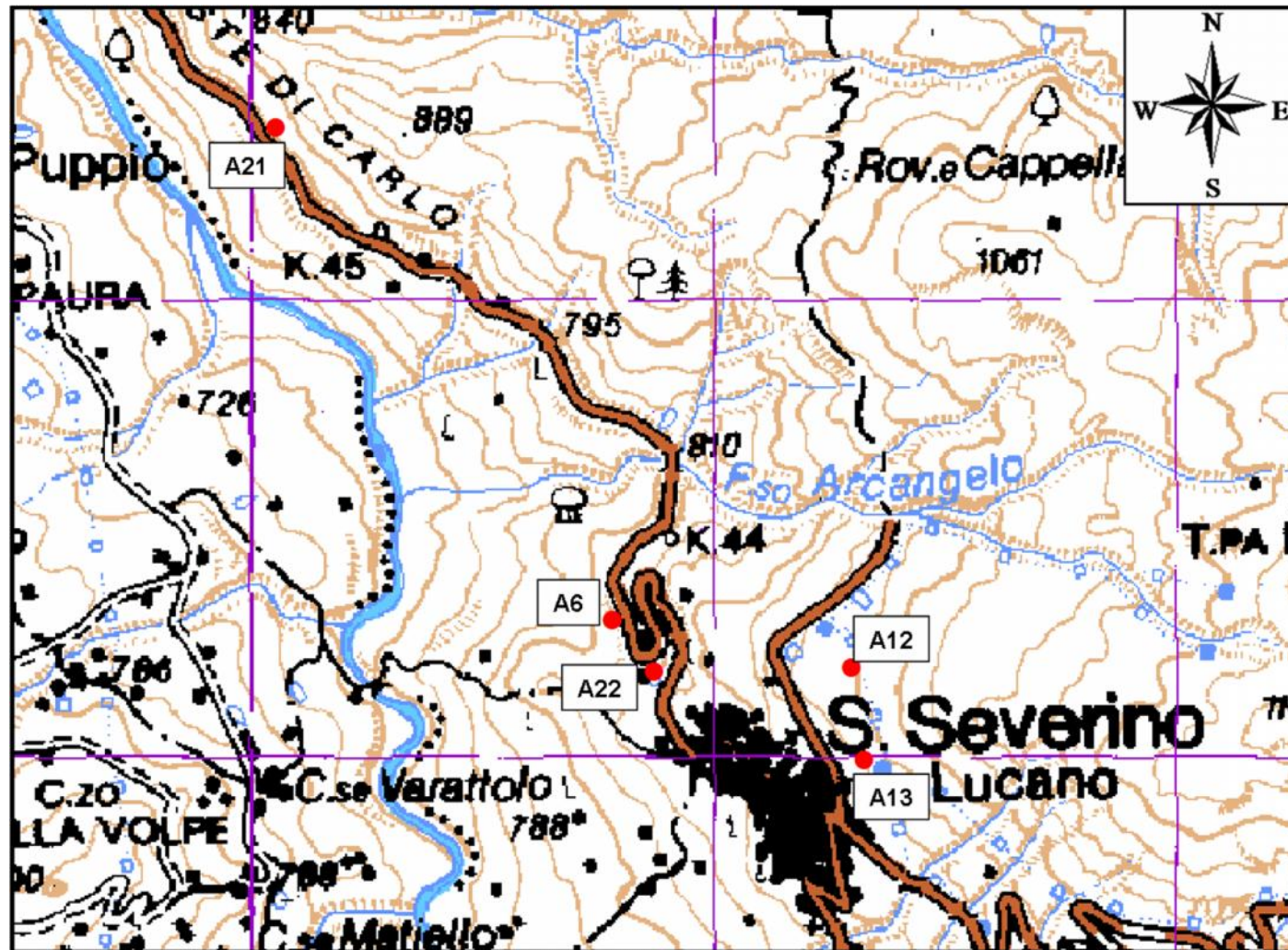


ALLEGATI

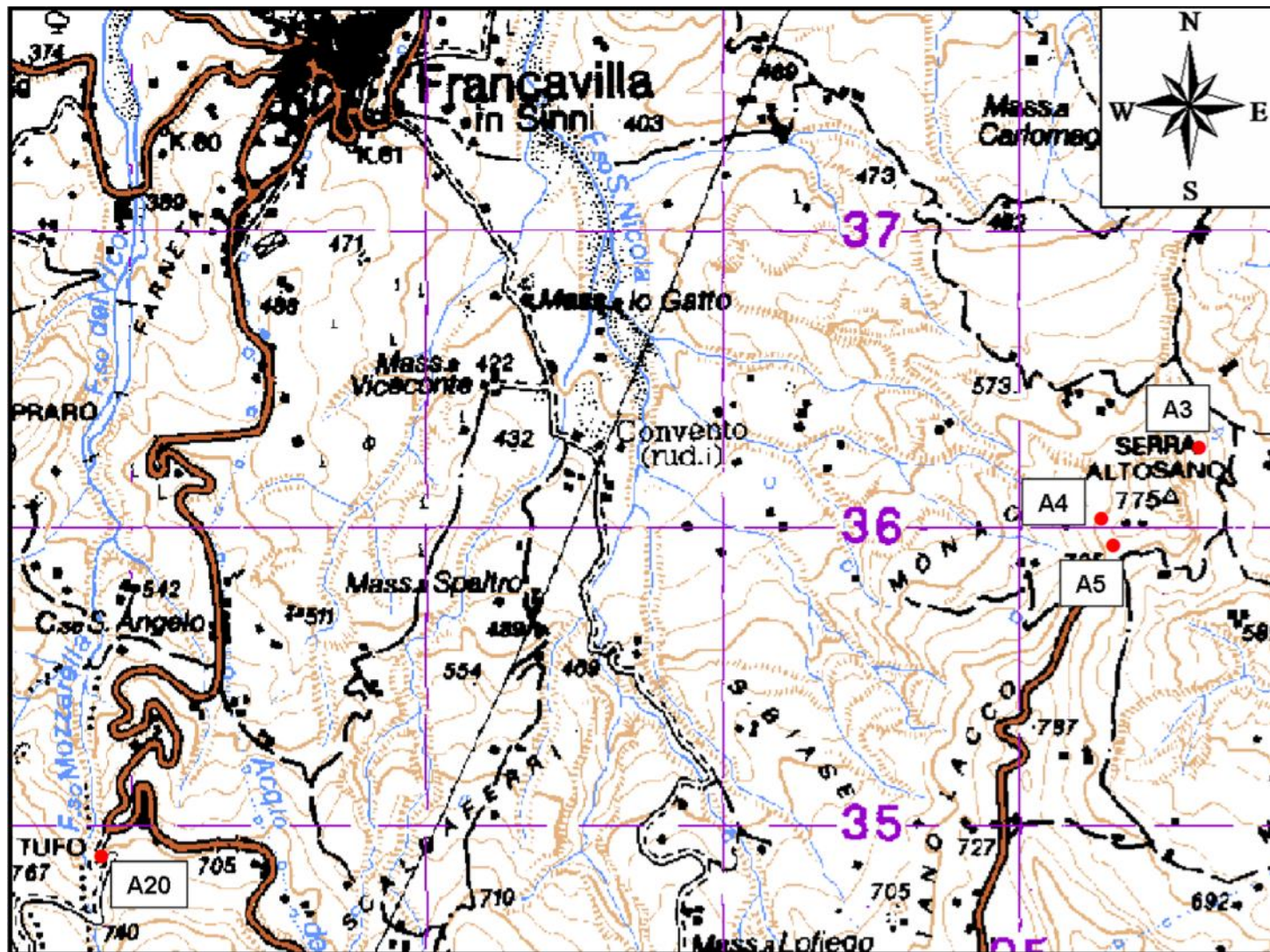
MAPPE, TABELLE, DIAGRAMMI



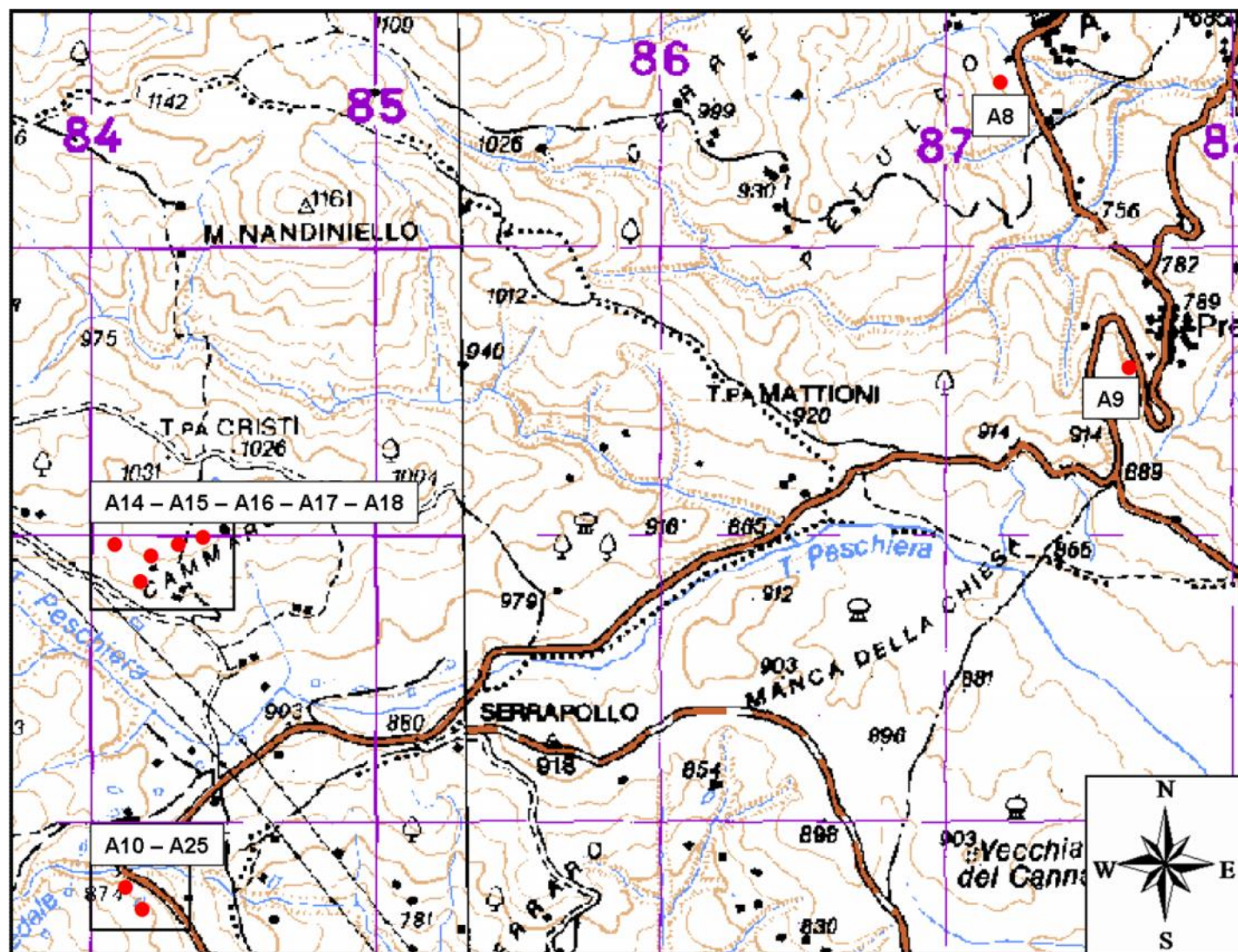
Mapa 1 - Ubicazione dei campioni di suolo e roccia prelevati tra Episcopia e Bosco Magnano.



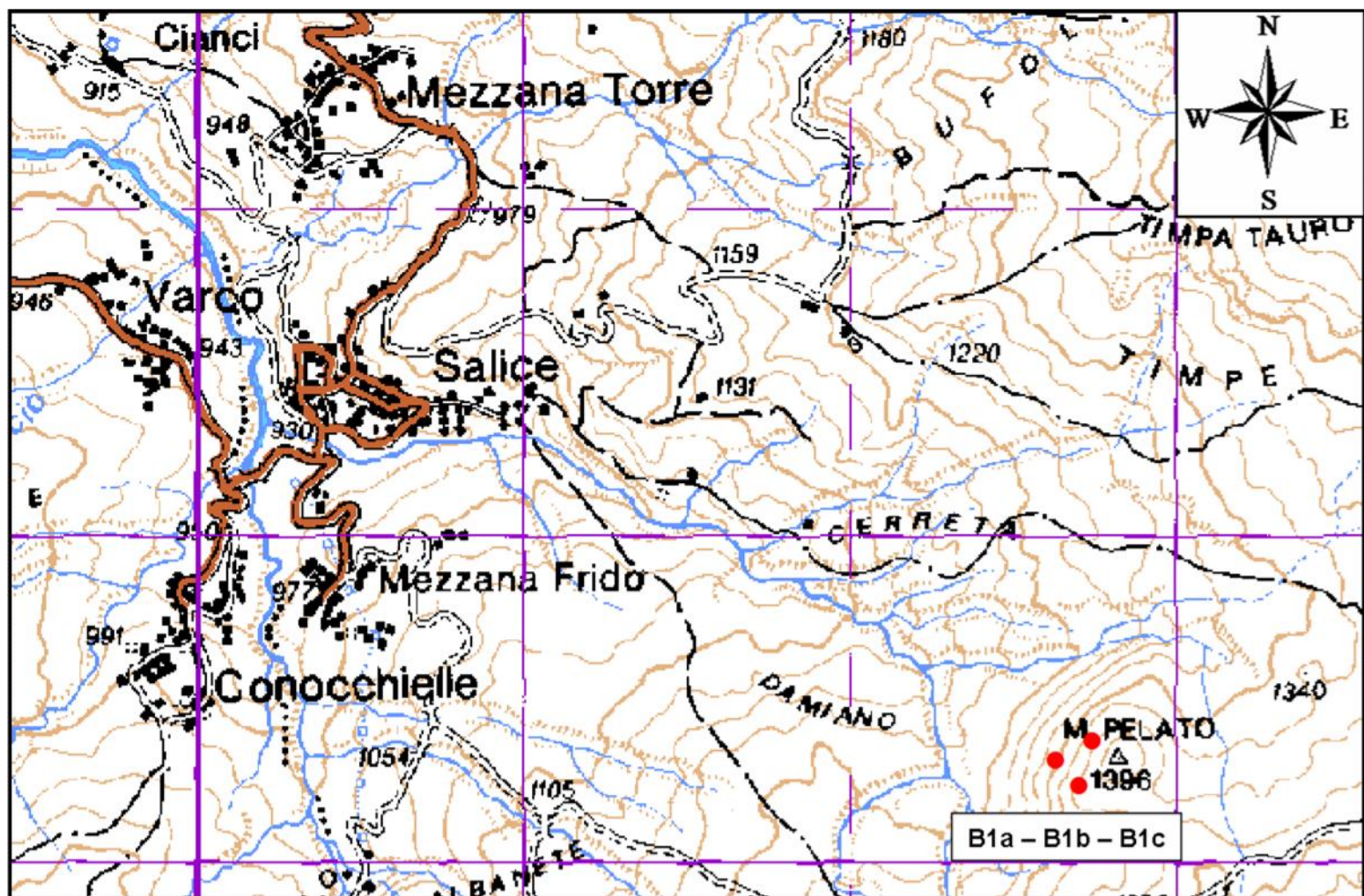
Mappa 2 - Ubicazione dei campioni di suolo e roccia prelevati nei pressi di San Severino Lucano.



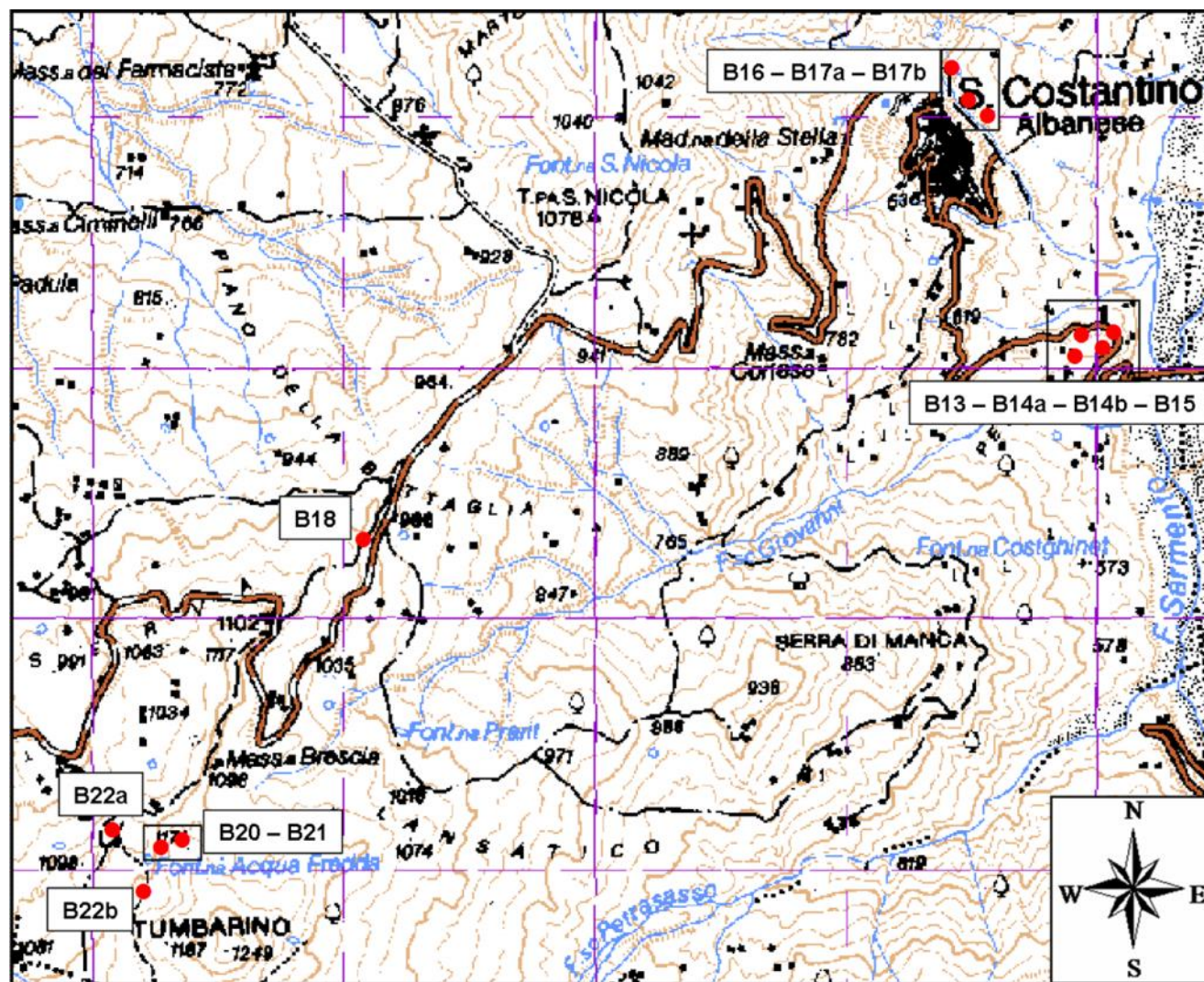
Mapa 3 - Ubicazione dei campioni di suolo e roccia prelevati nel comune di Francavilla in Sinni.



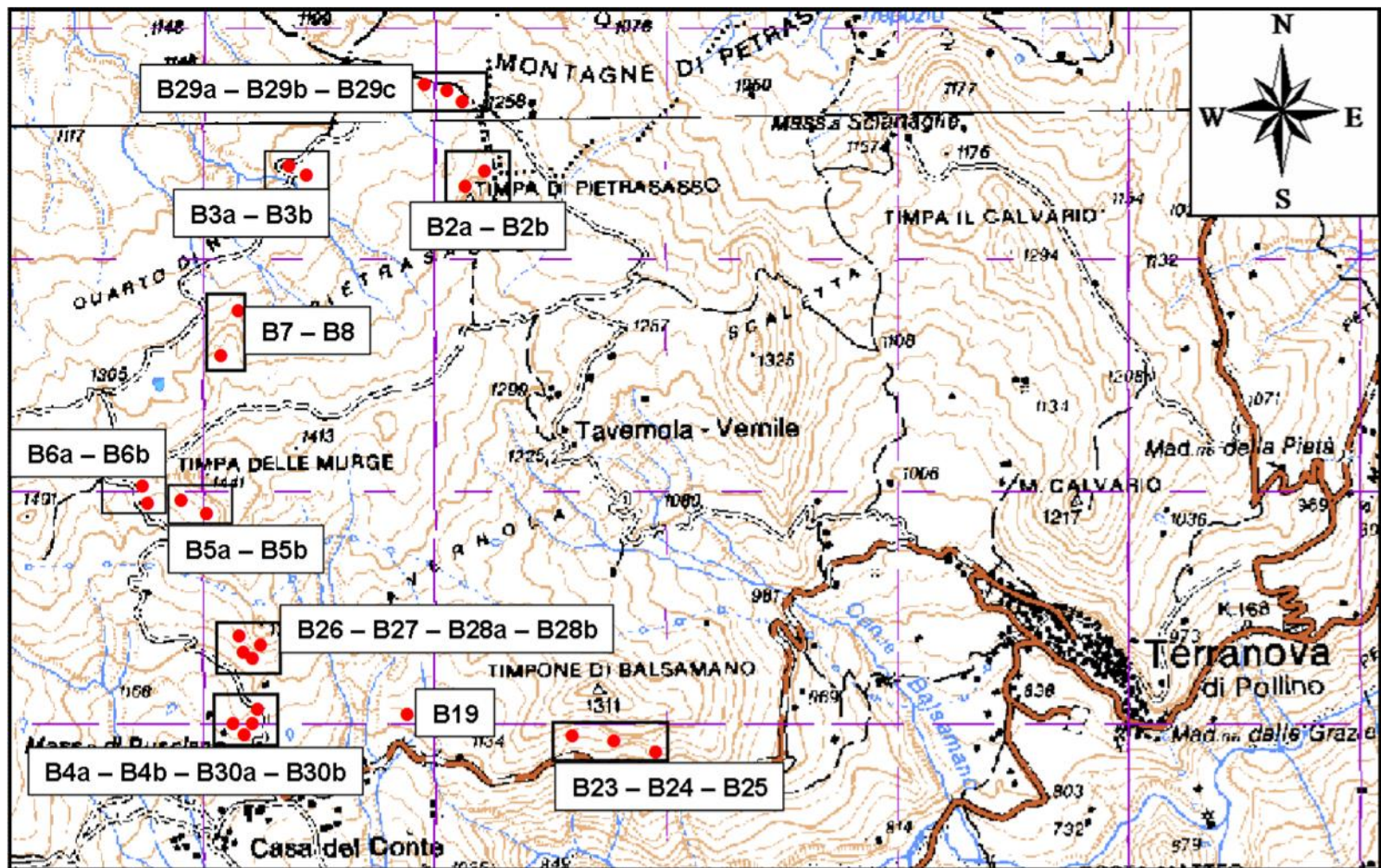
Mapa 4 - Ubicazione dei campioni di suolo e roccia prelevati tra Castelluccio Superiore e Agromonte di Latronico.



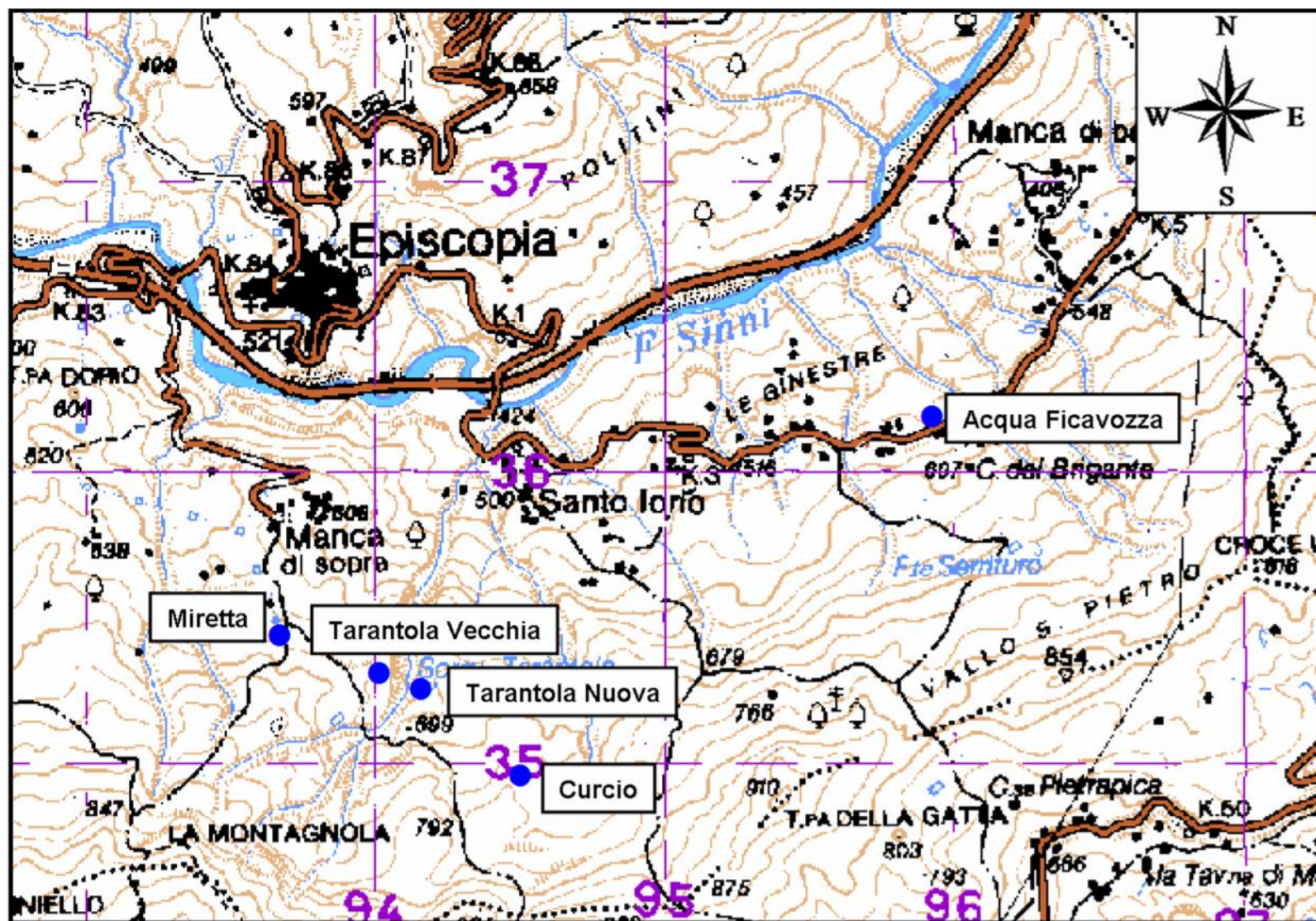
Mapa 5 - Ubicazione dei campioni di suolo e roccia prelevati nei pressi di Mezzana.



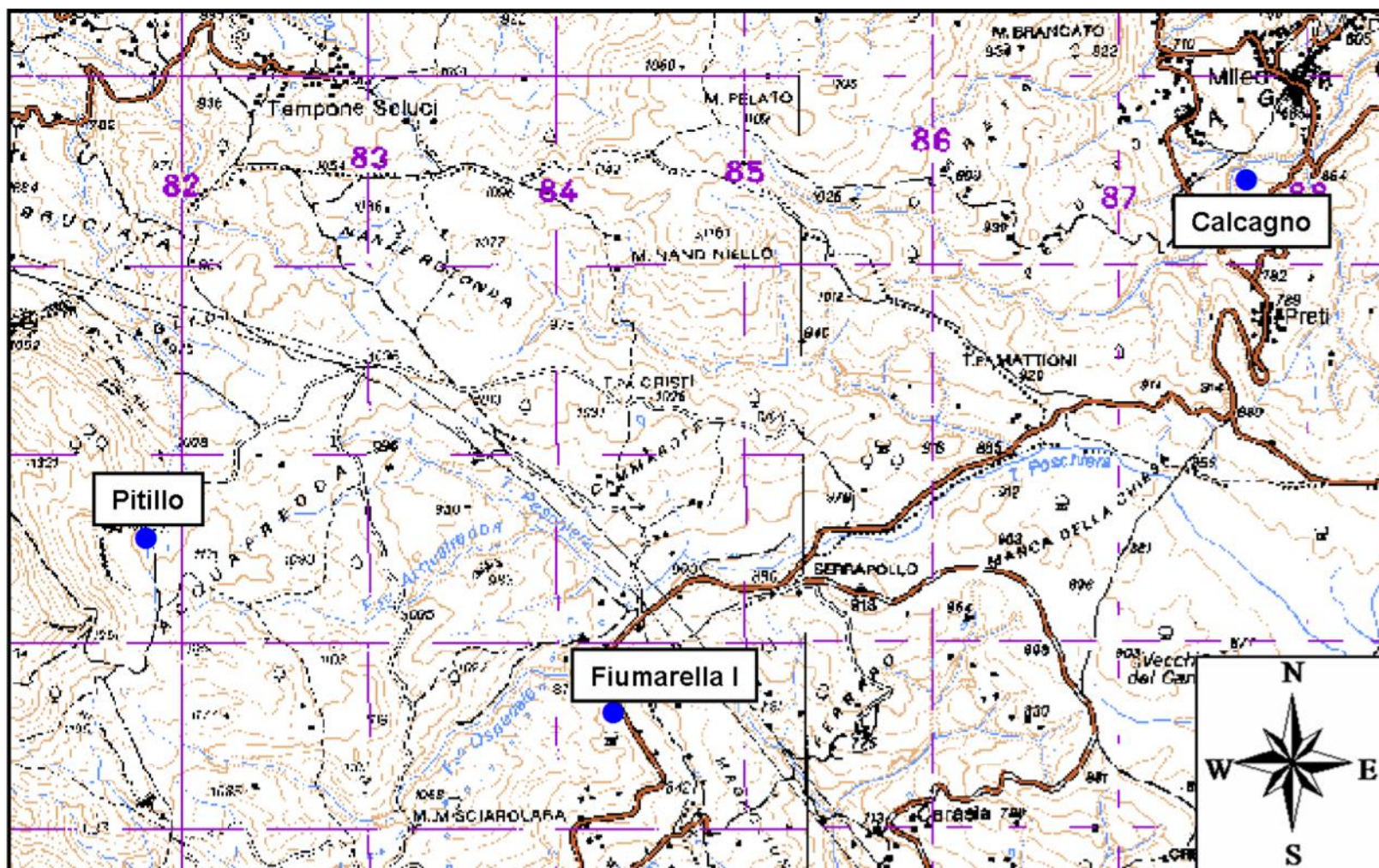
Mapa 7 - Ubicazione dei campioni di suolo e roccia prelevati nel comune di San Costantino Albanese.



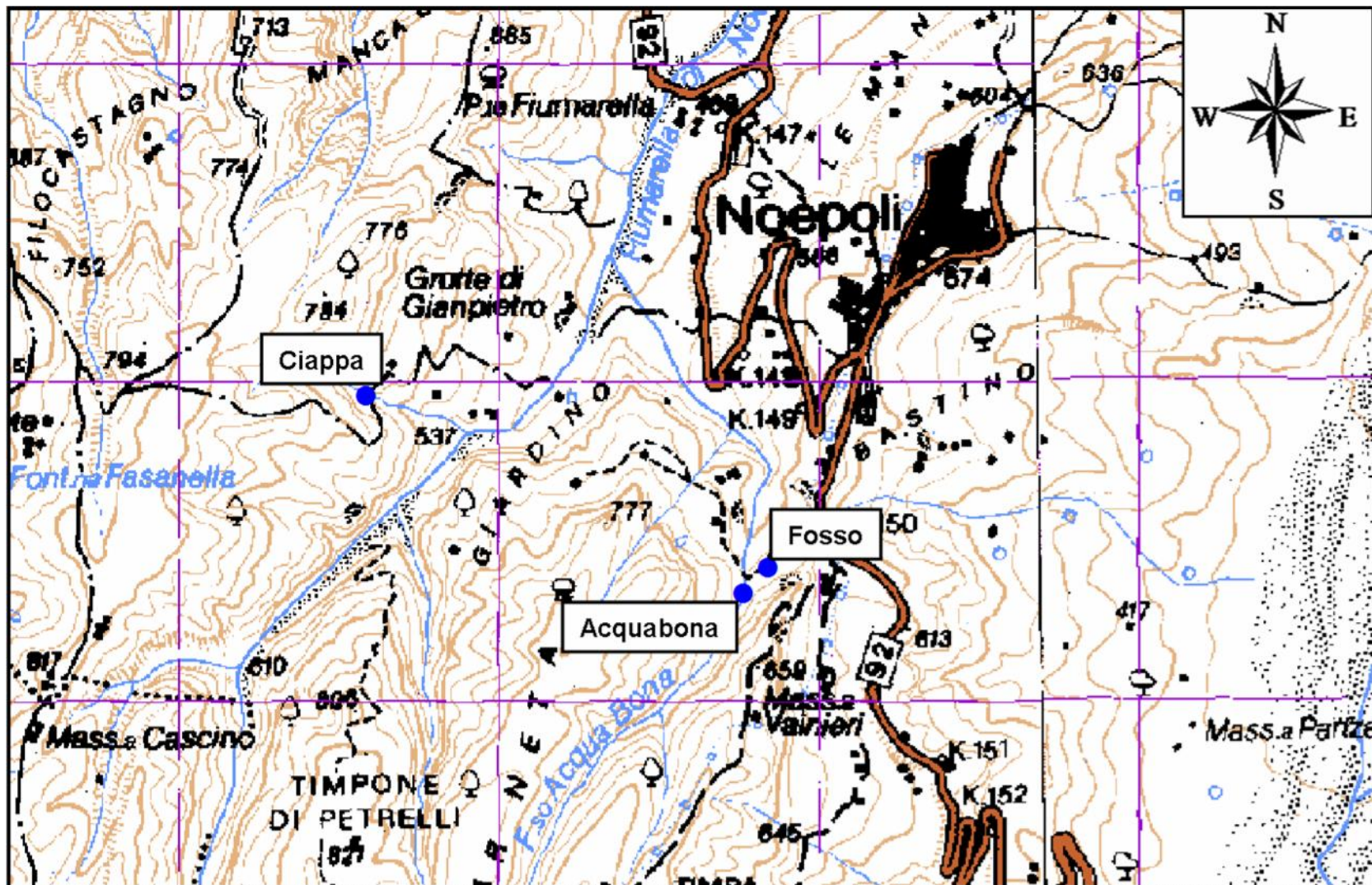
Mappa 8 - Ubicazione dei campioni di suolo e roccia prelevati nel comune di Terranova del Pollino.



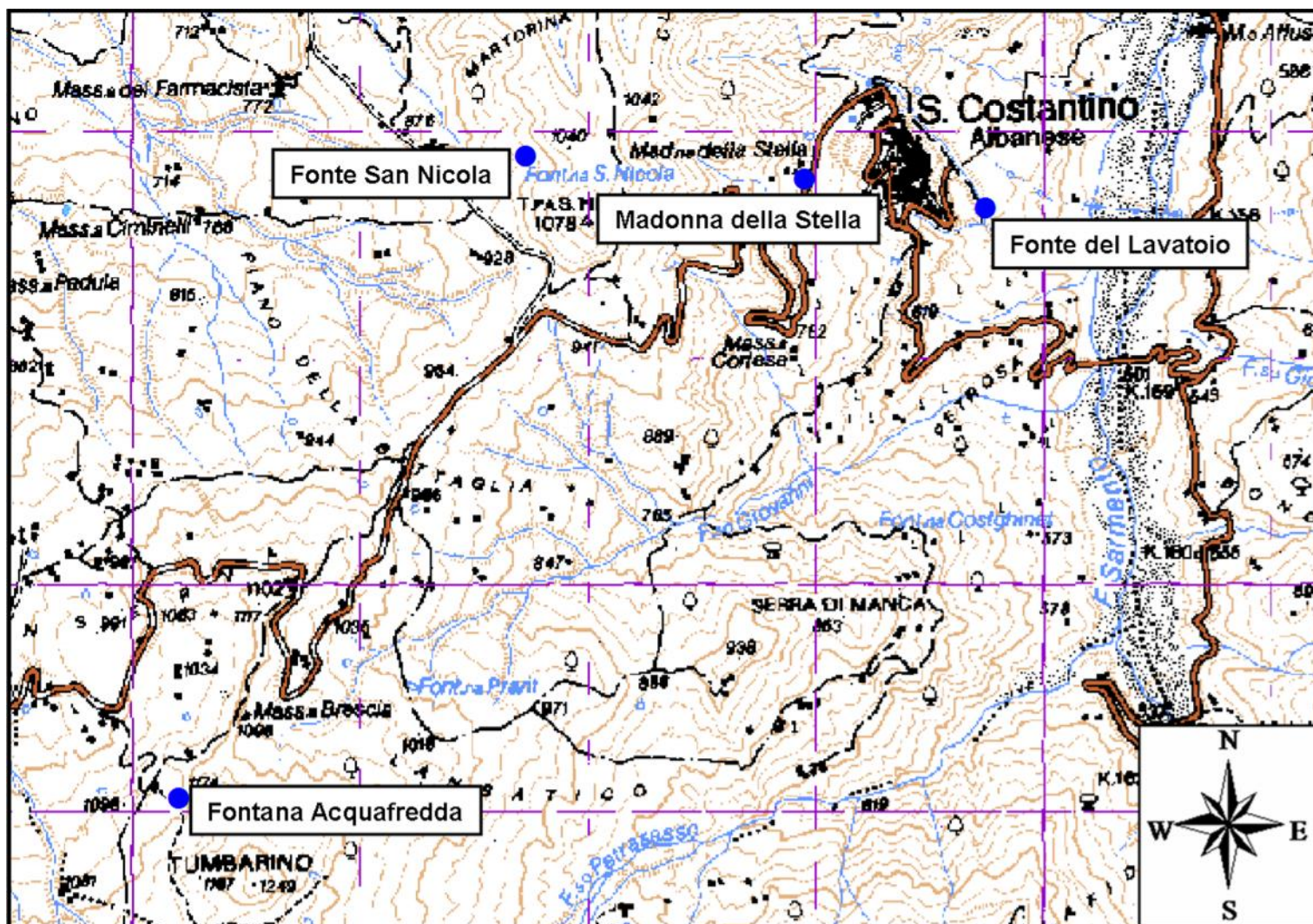
Mapa 9 - Ubicazione delle sorgenti monitorate nel comune di Episcopia.



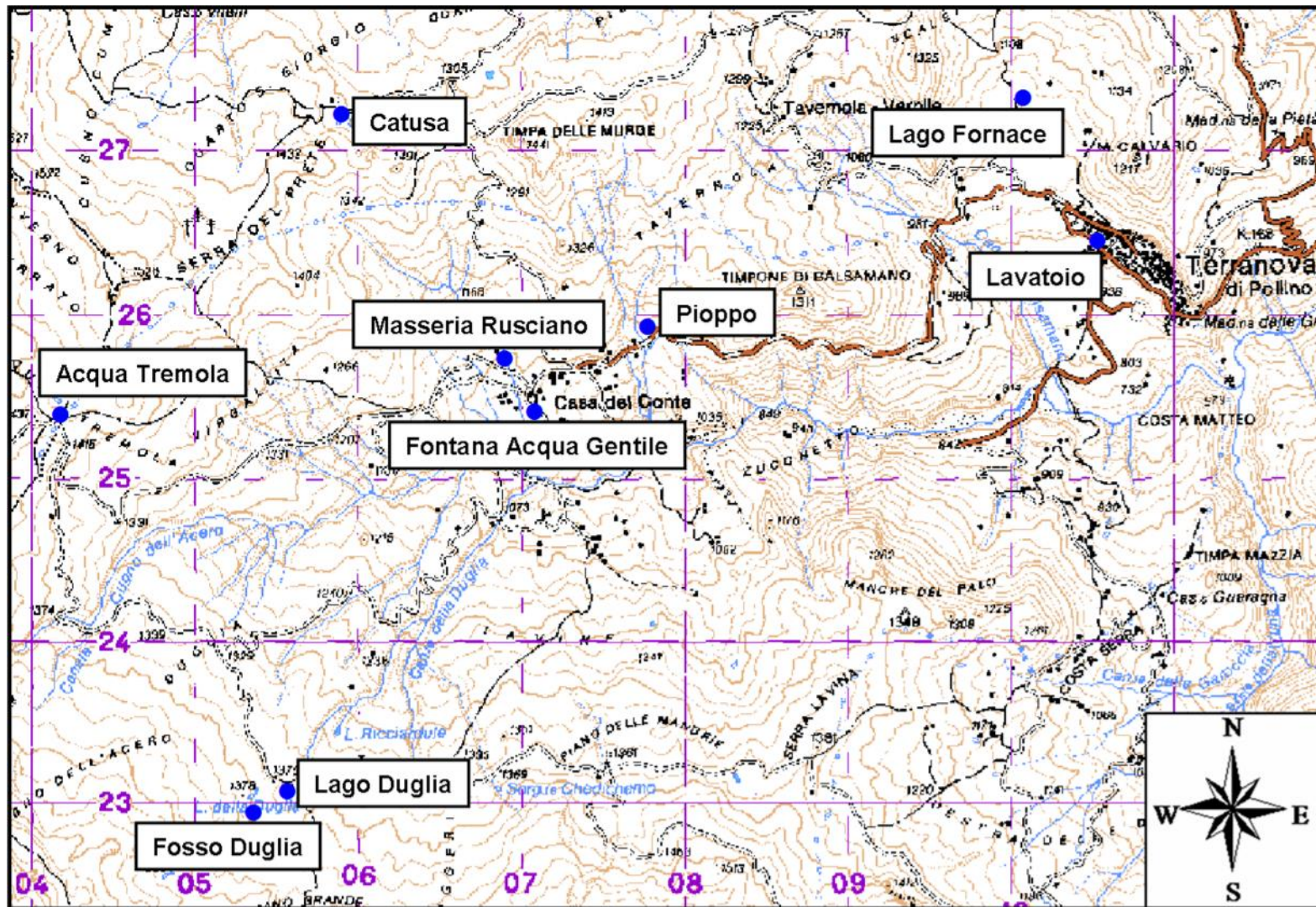
Mapa 12 - Ubicazione della sorgente monitorata nel comune di Latronico e Castelluccio Superiore..



Mappa 13 - Ubicazione delle sorgenti monitorate nel comune di Noepoli.



Mapa 14 - Ubicazione delle sorgenti monitorate nel comune di San Costantino Albanese.



Mapa 15 - Ubicazione delle sorgenti monitorate nel comune di Terranova del Pollino.

n°	Sigla	Paragenesi mineralogica	Litologia
1	A1	Quarzo, calcite, plagioclasio, clorite, caolinite, smectite, mica, anfiboli, serpentino	matrice conglomeratica
2	A2	Quarzo, calcite, plagioclasio, clorite, caolinite, smectite, mica, anfiboli, serpentino	matrice conglomeratica
3	A3	Quarzo, calcite, plagioclasio, clorite, caolinite, mica, serpentino	matrice conglomeratica
4	A4	Quarzo, calcite, plagioclasio, clorite, caolinite, mica	matrice conglomeratica
5	A5	Quarzo, plagioclasio, clorite, caolinite, mica	matrice conglomeratica
6	A6	Quarzo, calcite, feldspati, clorite, mica, anfibolo, aragonite	argilloscisto
7	A7	Quarzo, plagioclasio, mica, clorite, ossidi di ferro	gneiss alterati
8	A8	Quarzo, plagioclasio, mica, clorite, ossidi di ferro	Formazione di Perosa
9	A9	Quarzo, calcite, plagioclasio, clorite, caolinite, mica	matrice conglomeratica
10	A10	Calcite, dolomite, quarzo, rodocrosite, ossidi di ferro, clorite, mica e caolinite	matrice breccia calcarea
11	A11	Quarzo, calcite, feldspati, clorite, mica	argilloscisto
12	A12	Quarzo, plagioclasio, clorite, mica, ossidi di ferro, pirosseni, calcite	metabasite
13	A13	Serpentino, ossido di ferro, pirosseni	serpentinite
14	A14	Serpentino, ossido di ferro, pirosseni	serpentinite
15	A15	Serpentino, ossido di ferro, pirosseni	serpentinite
16	A16	Serpentino, ossido di ferro, pirosseni	serpentinite
17	A17	Serpentino, ossido di ferro, pirosseni	serpentinite
18	A18	Quarzo, plagioclasio, clorite, mica, ossidi di ferro, pirosseni, calcite	metabasite
19	A19	Quarzo, plagioclasio, mica, clorite	gneiss
20	A20	Quarzo, plagioclasio, mica, clorite	gneiss
21	A21	Calcite, quarzo, feldspati, mica, clorite	calcescisto
22	A22	Quarzo, calcite, feldspati, clorite, mica	argilloscisto
23	A23	Quarzo, plagioclasio, mica, clorite	gneiss
24	A24	Quarzo, mica, clorite, anfiboli, plagioclasio	gneiss
25	A25	Calcite, dolomite, rodocrosite, quarzo, ossidi di ferro	matrice breccia

Tab. 1 - Analisi mineralogica qualitativa per diffrazione RX con identificazione dei minerali argillosi - campioni zona A (tot.25).

n°	Sigla	Paragenesi mineralogica	Litologia
26	B1a	Serpentino, ossido di ferro, pirosseno, clorite	serpentinite
27	B2a	Quarzo, plagioclasio, clorite, mica, ossidi di ferro, anfiboli, calcite	metabasite
28	B3a	Anfiboli, pirosseni, plagioclasio, K-feldspato, quarzo, granato	anfibilite
29	B4a	Serpentino, ossido di ferro, pirosseno, clorite	serpentinite
30	B5a	Quarzo, plagioclasio, dolomite, clorite, caolinite	basalto
31	B6a	Calcite, dolomite, rodocrosite, quarzo, ossidi di ferro	breccia metamorfica
32	B7	Plagioclasio, quarzo, muscovite, calcite, clorite	metabasalto
33	B8	Plagioclasio, quarzo, muscovite, calcite, clorite	metabasalto
34	B9	Quarzo, calcite, plagioclasio, clorite, caolinite, mica	matrice conglomeratica
35	B10	Quarzo, calcite, plagioclasio, clorite, caolinite, mica	matrice conglomeratica
36	B11	Quarzo, calcite, plagioclasio, clorite, caolinite, mica	matrice conglomeratica
37	B12a	Quarzo, calcite, plagioclasio, clorite, caolinite, mica	matrice conglomeratica
38	B13	Quarzo, plagioclasio, clorite, mica, ossidi di ferro, pirosseni, calcite	metabasite
39	B14a	Quarzo, plagioclasio, mica, clorite, ossidi di ferro, calcite	metabasite
40	B15	Clorite, ossidi di ferro, anfiboli, calcite, feldspati	metabasite
41	B16	Quarzo, calcite, plagioclasio, caolinite, mica, clorite	matrice conglomeratica
42	B17a	Quarzo, plagioclasio, caolinite, mica, clorite	matrice conglomeratica
43	B18	Quarzo, illite, clorite, feldspati, mica, calcite	Crete Nere
44	B19	Quarzo, illite, clorite, feldspati, mica, calcite	Crete Nere
45	B20	Quarzo, plagioclasio, dolomite, clorite, caolinite	basalto
46	B21	Quarzo, plagioclasio, dolomite, clorite, caolinite	basalto
47	B22a	Calcite, quarzo, aragonite, feldspati	calcescisto
48	B23	Quarzo, illite, clorite, feldspati, calcite	Formazione del Saraceno
49	B24	Quarzo, illite, clorite, feldspati, calcite	Formazione del Saraceno
50	B25	Quarzo, illite, clorite, feldspati, calcite	Formazione del Saraceno
51	B26	Quarzo, plagioclasio, clorite, mica, ossidi di ferro, anfiboli, calcite	metabasite
52	B27	Quarzo, plagioclasio, clorite, mica, ossidi di ferro, anfiboli, calcite	metabasite
53	B28a	Plagioclasio, quarzo, clorite, caolinite, ossidi di ferro, anfiboli, calcite	metabasite
54	B29a	Serpentino, ossido di ferro, calcite, clorite, pirosseni	serpentinite
55	B30a	Serpentino, ossidi di ferro, calcite, clorite, pirosseni	seperentinite

Tab. 2 - Analisi mineralogica qualitativa per diffrazione RX con identificazione dei minerali argillosi - campioni zona B (tot.30).

		Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	Sn	Sr	V	Zn
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
1	A1	35663	5.3	39.3	122.4	0.7	75696	0.1	39.5	946.1	31.9	45197	0.15	6893	62544	944.2	0.4	2656	747.8	7.4	0.3	0.7	190136	1.0	102.7	71.9	87.3
2	A2	43928	4.4	47.6	40.7	1.4	67331	0.1	14.3	1029	23.4	53452	<0.1	5067	70809	1027	0.3	3482	820.4	6.6	0.2	0.9	263780	0.8	94.4	83.2	79.0
3	A3	38825	4.4	46.3	159.8	0.9	43869	0.1	14.6	299.6	27.1	31228	<0.1	10229	21011	1271	0.3	3784	190.3	9.3	0.3	0.3	279476	1.2	159.1	57.0	77.0
4	A4	37908	4.5	49.0	167.1	0.7	44042	0.1	13.8	312.3	26.2	32054	<0.1	9900	22845	1022	0.2	4511	156.0	8.4	0.2	0.2	287700	0.8	170.4	63.4	83.5
5	A5	45263	3.7	57.3	84.5	1.4	36787	<0.1	14.5	239.7	34.5	24799	<0.1	10736	14580	1105	0.2	3785	239.6	7.6	0.2	0.2	196837	0.8	88.6	74.6	72.3
6	A6	43335	3.9	40.1	119.1	<0.1	18798	<0.1	4.0	59.7	26.4	22388	<0.1	19088	15833	700.9	<0.1	10234	23.2	12.6	<0.1	0.9	143265	0.9	8.1	47.5	46.4
7	A9	56271	5.7	104.2	288.1	0.9	66602	0.2	12.3	74.1	36.6	36385	<0.1	15103	11323	1300	0.3	4999	52.3	9.8	0.4	0.9	238333	0.9	278.3	79.8	99.3
8	A11	77789	6.7	212.3	409.4	1.4	43789	0.1	14.7	112.3	48.7	39678	<0.1	36478	12988	457.3	4.7	5887	70.4	9.5	0.5	0.7	187564	0.9	169.6	82.3	109.4
9	A12	66410	3.7	2.6	21.4	0.5	65777	0.2	43.9	668.6	77.7	70230	<0.1	508.0	41975	1398	53.2	26444	371.9	0.5	0.1	2.4	158430	1.4	83.3	228.9	86.1
10	A13	8138	2.3	63.0	<0.1	<0.1	13735	<0.1	103.3	1500	11.1	51949	<0.1	35.3	178125	809.4	<0.1	464.2	1964	0.5	<0.1	1.6	143122	<0.1	7.0	51.3	43.8
11	A14	13867	2.3	60.1	<0.1	<0.1	15833	<0.1	98.8	2743	4.5	57839	<0.1	41.2	188457	980.3	<0.1	343.2	1789	0.2	<0.1	1.1	167549	<0.1	3.6	68.9	40.1
12	A15	14694	2.6	32.9	1.6	<0.1	8329	<0.1	98.0	3201	12.1	59123	<0.1	71.2	159765	891.0	<0.1	765.3	2876	0.1	<0.1	1.4	157806	<0.1	9.2	69.0	79.9
13	A16	11246	2.7	56.0	13.3	<0.1	14745	<0.1	123.0	3642	26.0	62077	<0.1	73.0	164491	1083	0.1	771.7	2955	0.3	<0.1	1.5	158508	<0.1	10.3	69.6	82.0
14	A17	15705	2.5	33.0	1.7	<0.1	8231	0.2	97.2	2639	3.5	32788	<0.1	48.5	204919	711.8	<0.1	158.1	1620	0.1	<0.1	0.5	184883	<0.1	3.7	69.9	39.6
15	A18	38336	2.4	3.4	<0.1	<0.1	19379	<0.1	52.7	153.0	10.5	100511	<0.1	26.3	88974	2607	0.1	42.7	76.0	0.1	<0.1	3.8	95765	1.6	9.4	325.1	121.1
16	A19	77055	1.8	14.4	448.7	0.3	9088	0.2	37.2	192.5	44.4	79558	<0.1	16027	15852	1185	3.5	21611	96.1	3.1	<0.1	2.1	209901	0.5	32.4	238.9	129.2
17	A20	75823	2.0	47.3	140.2	0.5	15312	0.1	18.0	135.1	44.1	69180	<0.1	9991	20375	1183	0.8	9532	72.7	6.7	0.2	0.2	201631	0.9	107.3	88.7	80.2
18	A21	5944	8.1	2.6	30.3	0.2	312377	0.1	4.5	93.8	7.9	7523	<0.1	1673	2465	614.1	6.3	688.0	16.3	4.7	0.3	0.6	28966	0.4	548.8	15.9	19.6
19	A22	76924	9.1	220.3	420.6	2.5	44145	0.2	21.1	214.1	53.3	37039	<0.1	35285	13201	460.0	4.7	6115	76.3	18.4	0.7	0.9	180199	4.0	174.1	156.5	112.7
20	A23	72420	4.2	3.9	50.9	0.4	58206	0.3	27.4	148.0	90.7	80711	<0.1	381.1	38375	1303	0.1	13401	90.1	2.7	<0.1	0.9	199281	0.8	283.3	183.0	100.5
21	A24	67232	7.8	86.4	360.5	1.5	1035	0.1	30.0	170.6	48.7	62485	<0.1	12765	3612	725.1	1.6	6497	99.5	21.7	0.4	1.2	204966	1.6	40.2	184.7	129.9

Tab. 3 – Analisi chimiche quantitative - campioni zona A.

		Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	Sn	Sr	V	Zn
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
22	B1a	14803	2.1	35.0	7.1	0.1	13999	0.2	90.3	1803	21.1	41387	<0.1	10.8	187483	899.5	0.1	181.0	2088	0.2	<0.1	0.5	163987	<0.1	4.1	69.3	41.0
23	B1b	15197	1.9	34.7	9.8	0.1	14563	0.1	87.4	1765	19.9	44683	<0.1	9.3	167956	913.6	0.1	301.2	1987	0.3	<0.1	0.3	172987	<0.1	3.8	75.4	37.5
24	B1c	23452	1.0	42.0	8.0	0.1	22837	0.1	75.7	2591	20.7	52948	<0.1	8.5	240501	1096	0.1	228.5	2434	0.6	<0.1	0.4	199332	<0.1	4.2	67.7	45.8
25	B2a	68543	3.7	6.9	10.7	0.8	87563	0.1	20.7	143.4	40.1	61345	<0.1	903.2	10345	678.4	0.1	42567	77.6	1.7	0.1	0.7	201321	0.8	297.8	188.9	50.2
26	B2b	71234	3.4	7.1	11.0	0.9	89345	0.1	21.5	141.8	38.7	63678	<0.1	879.4	11478	701.3	0.1	44923	81.4	1.5	<0.1	0.8	197564	0.7	231.4	189.0	48.3
27	B3a	80615	3.4	13.4	8.3	0.4	89784	0.1	41.5	119.0	47.7	81005	<0.1	675.2	33268	1400	1.3	1533	114.1	1.1	<0.1	2.7	183715	1.4	499.0	330.9	102.8
28	B3b	79845	3.5	12.9	9.1	0.3	91567	0.1	43.4	121.1	49.3	82345	<0.1	68678	34567	1378	1.7	1678	100.3	0.9	<0.1	2.6	201456	0.8	510.4	278.3	105.0
29	B4a	8002	2.1	53.2	<0.1	<0.1	12745	<0.1	88.5	1783	12.4	50302	<0.1	38.2	182390	812.5	<0.1	467.2	1943	0.4	<0.1	0.9	139087	<0.1	6.8	43.4	41.2
30	B4b	7987	1.9	54.7	<0.1	<0.1	15643	<0.1	93.4	1555	10.1	55892	<0.1	39.0	190498	734.9	<0.1	349.0	1658	0.4	<0.1	0.8	154908	<0.1	7.2	46.9	43.4
31	B5a	55218	2.3	44.8	25.4	0.3	48009	0.1	55.1	226.3	30.5	65095	<0.1	629.4	18701	1811	0.2	42775	128.6	0.7	<0.1	1.9	215946	1.2	131.8	332.2	126.9
32	B5b	58312	2.7	51.3	26.7	0.5	51897	0.1	49.3	140.0	29.4	71465	<0.1	645.3	20301	1456	0.2	45983	102.3	0.5	<0.1	1.7	204587	0.8	140.0	311.6	112.0
33	B9	55446	6.5	96.9	361.7	1.2	74966	0.2	14.0	81.4	43.9	33669	<0.1	14902	10239	1319	0.5	5392	55.0	1.2	0.5	1.2	240003	2.3	298.7	80.5	108.1
34	B10	58623	6.1	94.3	297.8	1.1	80498	0.1	12.3	65.2	56.3	28005	<0.1	12398	9999	989	0.6	5002	67.4	9.9	0.3	1.1	232908	0.8	300.3	75.5	100.0
35	B11	55551	5.7	89.5	256.4	0.9	75009	<0.1	12.0	57.1	52.8	30002	<0.1	10002	10345	1001	0.5	4786	60.0	9.5	0.2	0.9	199675	0.7	277.5	80.4	115.8
36	B13	70398	4.2	7.1	11.9	0.9	81112	0.2	20.5	132.4	47.9	55903	<0.1	899.9	9983	701.5	0.2	36983	75.9	2.0	0.2	0.7	191711	0.9	300.2	178.1	54.1
37	B14a	89571	3.4	8.0	10.0	1.0	70399	0.2	19.6	141.2	61.3	63268	<0.1	716.4	10719	884.1	0.2	28628	83.2	1.8	0.1	1.5	181524	0.9	227.6	169.8	46.8
38	B14b	87587	2.9	7.9	12.3	0.9	79087	0.1	19.5	135.7	51.0	59087	<0.1	901.3	11418	903.8	0.1	32452	80.1	1.8	0.1	0.9	187098	0.9	287.9	175.3	51.4
39	B15	77848	3.1	2.8	13.84	1.3	15390	0.2	21.1	140.1	65.51	98702	<0.1	623.2	49833	1671	0.1	35490	81.3	0.7	<0.1	0.5	191303	0.9	19.3	168.8	109.2
40	B16	59904	7.8	102.2	276.0	1.0	80002	0.1	15.5	90.3	32.1	39807	<0.1	12390	9978	906	0.3	6004	78.3	10.0	0.3	1.0	215908	0.8	301.2	77.6	112.4
41	B18	48588	5.7	117.4	198.1	2.0	1597	0.2	43.4	103.3	115.1	33096	<0.1	16609	8270	4428	1.2	4543	164.2	20.2	0.8	0.6	289974	2.7	52.8	125.1	140.2
42	B19	51234	6.1	121.5	200.0	1.4	1707	0.1	40.0	105.1	103.2	35908	<0.1	17008	9001	4398	0.9	4221	110.1	9.7	1.0	0.5	267908	2.5	50.1	132.3	123.4
43	B22a	80098	6.9	211.5	403.7	1.3	40345	0.1	17.8	132.1	49.8	35478	<0.1	39008	14309	402.3	3.9	6001	72.3	10.4	0.6	1.1	167998	0.9	156.4	86.9	102.3
44	B22b	76908	8.9	198.7	389.7	1.3	37898	0.1	15.4	123.0	54.8	40009	<0.1	41008	13908	342.8	3.3	5897	81.4	9.9	0.4	1.0	155490	0.9	148.9	89.0	99.1
45	B23	11073	8.0	29.8	28.4	0.4	213979	0.1	1.9	16.3	4.9	5186	<0.1	3706	3510	461.3	<0.1	4056	12.5	2.9	<0.1	1.2	65636	0.5	363.5	26.1	22.7
46	B24	10908	7.5	32.3	25.4	0.4	200008	<0.1	1.5	18.3	5.2	5342	<0.1	3542	3898	4423	<0.1	4777	15.1	2.5	<0.1	1.0	72897	0.2	333.2	24.2	25.3
47	B26	63001	2.3	42.1	25.0	0.3	55908	0.1	51.2	199.2	32.4	72908	<0.1	703.2	21786	1098	0.1	50003	100.1	0.4	<0.1	1.3	199678	0.9	135.4	203.8	99.9
48	B27	59009	2.2	50.1	27.7	0.2	60435	0.1	32.4	209.7	29.7	69002	<0.1	689.3	24300	991	0.1	49906	99.8	0.3	<0.1	1.2	234675	0.9	121.1	200.0	104.5
49	B28a	67364	1.9	68.4	24.8	1.0	71345	<0.1	20.7	267.3	20.4	70734	<0.1	700.1	27376	1004	<0.1	52840	101.3	0.3	<0.1	0.9	212790	0.8	90.8	198.0	98.4
50	B28b	71840	1.4	61.4	19.4	0.5	78790	<0.1	27.4	307.5	32.3	74328	<0.1	698.4	28321	1101	<0.1	56309	109.4	0.2	<0.1	1.1	208654	0.9	131.2	204.5	88.9
51	B29a	14687	2.1	58.3	<0.1	<0.1	16933	<0.1	78.4	2158	3.9	60004	<0.1	44.3	193245	756.3	<0.1	300.2	1543	0.1	<0.1	1.0	178324	<0.1	3.4	65.5	39.4
52	B29b	15333	1.9	68.4	<0.1	<0.1	17897	<0.1	66.9	2001	3.5	56432	<0.1	36.7	187433	705.4	<0.1	289.7	1675	0.2	<0.1	0.9	167354	<0.1	3.4	77.4	43.2
53	B29c	12231	2.0	55.3	<0.1	<0.1	18456	<0.1	79.2	1789	3.0	54324	<0.1	43.5	190002	689.0	<0.1	302.4	1463	0.1	<0.1	1.2	178654	<0.1	3.0	72.3	44.1
54	B30a	8567	1.9	55.4	<0.1	<0.1	11946	<0.1	62.3	1701	10.2	50785	<0.1	40.2	179487	799.6	<0.1	501.3	1897	0.3	<0.1	0.8	140003	<0.1	7.1	39.5	37.6
55	B30b	7568	1.5	53.7	<0.1	<0.1	17684	<0.1	75.4	1497	9.5	59008	<0.1	41.0	194589	757.9	<0.1	378.0	1701	0.3	<0.1	0.8	151908	<0.1	7.6	49.9	46.9

Tab. 4 – Analisi chimiche quantitative - campioni zona B.

			pH	pH	pH	pH	pH	pH	pH	pH	T (°C)	T (°C)	T (°C)	T (°C)	T (°C)	T (°C)	T (°C)	
			<i>feb-11</i>	<i>giu-11</i>	<i>set-11</i>	<i>gen-12</i>	<i>mar-12</i>	<i>giu-12</i>	<i>ago-12</i>	<i>mar-13</i>	<i>feb-11</i>	<i>giu-11</i>	<i>set-11</i>	<i>gen-12</i>	<i>mar-12</i>	<i>giu-12</i>	<i>ago-12</i>	<i>mar-13</i>
1	1-8	Tarantola Vecchia	7.65	7.77	7.62	7.48	7.52	7.72	7.46	7.8	11.0	12.5	11.3	11	12.6	11.2	11.4	12.1
2	9-16	Tarantola Nuova	7.73	7.96	7.59	7.8	7.54	7.82	7.52	7.95	11.5	11.8	11.8	11.2	11.4	11.2	11.7	11.4
3	17-24	Curci	7.73	8.08	7.71	8.32	7.59	7.58	7.39	7.78	11.4	13	13	11.5	11.9	11.4	13.1	11.7
4	25-32	Acqua Ficavozza	7.59	7.96	7.22	7.62	7.42	7.37	7.45	7.35	11.9	12.2	13.7	12.3	12.4	12.1	12.8	12.2
5	33-40	Bosco Magnano	8.25	7.8	7.61	7.99	8.06	7.9	7.84	8.02	9.7	14	14.8	9.3	9	13.2	15.3	9.1
6	41-48	Fosso Arcangelo	8.27	8.39	7.89	8.54	7.84	8.11	8.17	8.12	11.6	13.4	13.5	10.7	13.1	10.9	11.9	12.1
7	49-56	Pagnottella	8.08	8.05	7.7	8.34	7.78	7.9	8.03	7.9	11.6	15	13.8	10.6	11.9	12.4	14	11.7
8	57-64	Fontana Giudea	8.01	8.18	7.72	7.84	7.9	7.85	8.12	7.9	11.6	15.1	13.4	10.9	13.2	11.8	12.3	12
9	65-72	Fontana di Mezzo	7.97	8.16	7.76	7.91	7.9	7.92	7.88	7.88	11.7	15.3	12.7	10.6	12.9	12.1	13	11.8
10	73-80	Fontana Matarazzo	8.05	8.19	8.09	8.24	7.96	7.99	8.14	8.03	11.7	13.8	12.9	11.6	11.9	12.4	12.8	11.8
11	81-88	Fontana Altosano	7.79	7.62	7.8	7.58	7.93	7.65	8.04	7.94	12.7	16.8	16.3	8.9	10.5	15.6	15.6	12.3
12	89-91	Pitillo	7.54	7.63	-	-	-	7.38	-	-	9.9	11.2	-	-	-	11.1	-	-
13	92-99	Fiumarella I	7.83	8	7.61	8	7.78	7.76	7.8	7.81	10.9	12.5	13.3	10	9.3	10.6	12	9.3
14	100-106	Calcagno	7.61	7.86	7.64	7.63	7.46	-	7.41	7.63	11.6	15.2	16.4	10.8	9.3	-	13.5	9.5
15	107-112	Miretta	-	-	8.05	7.65	7.47	7.54	7.57	7.49	-	-	12.6	11.1	11.1	11.8	12.9	11

TAB. 5a – Valori di pH e temperatura (T) misurate sulle sorgenti della zona A (Valle del Frido e Destra Sinni).

			C.E. ($\mu\text{S/cm}$)	C.E. ($\mu\text{S/cm}$)	C.E. ($\mu\text{S/cm}$)	C.E. ($\mu\text{S/cm}$)	C.E. ($\mu\text{S/cm}$)	C.E. ($\mu\text{S/cm}$)	C.E. ($\mu\text{S/cm}$)	Q (l/s)	Q (l/s)	Q (l/s)	Q (l/s)	Q (l/s)	Q (l/s)	Q (l/s)	Q (l/s)	
			<i>feb-11</i>	<i>giu-11</i>	<i>set-11</i>	<i>gen-12</i>	<i>mar-12</i>	<i>giu-12</i>	<i>ago-12</i>	<i>mar-13</i>	<i>feb-11</i>	<i>giu-11</i>	<i>set-11</i>	<i>gen-12</i>	<i>mar-12</i>	<i>giu-12</i>	<i>ago-12</i>	<i>mar-13</i>
1	1-8	Tarantola Vecchia	472	466	470	477	454	479	494	450	6	7	4		7.5	6	2	10
2	9-16	Tarantola Nuova	466	457	458	472	473	474	482	450	15	18	12	12	15	11	6	20
3	17-24	Curci	472	463	471	483	469	479	491	459	2	2.5	1.2	1	2	2	1.2	4
4	25-32	Acqua Ficavozza	211	214	219	242	206	212	232	202	3	3.5	1	2.5	5	3	1.5	8
5	33-40	Bosco Magnano	462	455	484	466	457	481	499	456	-	-	-	-	-	-	-	
6	41-48	Fosso Arcangelo	666	639	660	683	668	713	699	667	3	5	1	2	5	3	2	
7	49-56	Pagnottella	491	495	486	531	545	559	537	558	1	0.6	0.2	0.2	1.2	0.3	0.15	2.6
8	57-64	Fontana Giudea	428	412	415	421	438	430	452	441	0.7	0.5	0.4	0.4	1	0.5	0.5	1.2
9	65-72	Fontana di Mezzo	420	417	433	429	398	414	441	391	0.3	0.2	0.4	0.4	0.8	0.4	0.4	1.2
10	73-80	Fontana Matarazzo	401	401	406	421	424	397	428	388	1.3	0.8	0.4	0.2	1.2	0.4	0.1	2.6
11	81-88	Fontana Altosano	645	682	641	640	636	661	679	631	0.20	0.1	0.1	0.02	0.2	0.05	0.1	0.3
12	89-91	Pitillo	499	491	-	-	-	477	-	-	0.10	0.1	0	-	-	0.2	-	
13	92-99	Fiumarella I	503	497	457	465	482	457	468	477	-	-	-	-	-	-	-	
14	100-106	Calcagno	502	509	507	513	521	-	492	529	-	-	-	-	-	-	3	10
15	107-112	Miretta	-	-	465	470	474	474	488	472	-	-	1.5	1.5	1,6	0.5	0.3	4

TAB. 5b – Valori di conducibilità elettrica (C.E.) e portata (Q) stimate sulle sorgenti della zona A (Valle del Frido e Destra Sinni).

			pH	pH	T (°C)	T (°C)	CE (µS/cm)	CE (µS/cm)	Q (l/s)	Q (l/s)
			<i>giu-11</i>	<i>ott-11</i>	<i>giu-11</i>	<i>ott-11</i>	<i>giu-11</i>	<i>ott-11</i>	<i>giu-11</i>	<i>ott-11</i>
1	113-114	Ciappa	7.89	7.05	14.4	14.1	669	696	0.15	0.1
2	115-116	Fosso	7.84	7.12	10.3	12.3	537	616	1.1	1.1
3	117-118	Acqua Bona	7.97	7.53	14.9	12.5	560	583	0.02	0.02
4	119-120	Fonte del Lavatoio	7.71	7.28	14	14	574	632	1.2	2.5
5	121-122	Madonna della Stella	7.95	7.49	15	14.6	643	661	0.3	0.2
6	123-124	San Nicola	7.64	7.14	12.8	11.5	491	541	0.2	0.1
7	125-126	Acquafredda	8.21	7.39	10.7	10.6	340	348	0.1	0.1
8	127-128	Catusa	8.15	7.61	8.9	8.2	383	389	2	2
9	129-130	Lavatoio Terranova	8.47	7.61	13.3	14	630	645	2	1
10	131-132	Pioppo*	8.52	7.48	12.2	16.1	756	951	0.1	0.1
11	133-134	Masseria Rusciano	8.8	8.04	14.1	12	260	287	-	-
12	135-136	Fosso Duglia	8.96	7.97	5.9	8	257	298	-	-
13	137-138	Lago Duglia	8.19	7.58	8.4	6.9	231	295	-	-
14	139-140	Acquagentile	8.17	7.7	16.3	13.3	239	301	-	-
15	141	Acqua Tremola	7.88	-	6.5	-	255	-	0.2	0
16	142	Lago Fornace	-	7.69	-	13.1	-	474	-	0.07

TAB. 6 – Parametri chimico-fisici misurati sulle sorgenti della zona B (Val Sarmento).

* Sulla sorgente Pioppo le misure relative al secondo campionamento sono riferite al mese di ottobre 2012.

			Al	As	B	Ba	Ca	Co	Cr(tot.)	Cr(VI)	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Si	Cloruri	Nitrati	Fosfati	Solfati	
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
1	1	Tarantola Vecchia	25.93	0.14	12.52	12.78	60799	0.11	5.46	3.9	0.20	3.16	873	17656	0.25	5727	2.39	0.76	4879	3.21	0.48	<0.01	2.18	
2	2	Tarantola Nuova	20.64	0.20	12.50	17.46	56244	0.11	6.59	4.9	0.18	4.90	704	17031	0.31	4710	2.30	0.88	6426	4.32	0.86	<0.01	2.99	
3	3	Curci	20.29	< 0.10	9.68	6.33	58077	0.10	15.54	12.9	0.18	7.85	700	11399	0.37	3693	3.77	0.78	8946	4.41	0.89	<0.01	2.65	
4	4	Acqua Ficavozza	21.96	< 0.10	15.13	3.16	15100	< 0.10	8.28	5.3	0.39	7.02	604	15448	0.23	4211	6.02	0.82	8858	3.75	2.12	<0.01	6.08	
5	5	Bosco Magnano	18.44	0.15	14.41	9.38	50849	< 0.10	16.56	12.0	0.20	7.17	707	21539	0.34	6428	2.01	1.16	14106	8.32	0.15	0.25	6.68	
6	6	Fosso Arcangelo	16.64	0.11	25.10	6.74	33333	0.18	12.50	8.3	0.75	4.82	1179	68321	0.18	4761	17.73	0.60	12753	2.85	0.32	0.45	26.52	
7	7	Pagnottella	19.66	0.14	24.95	5.33	20463	0.19	30.95	21.6	0.61	10.07	7120	40157	0.11	6338	20.04	0.61	20787	7.65	11.65	0.11	9.68	
8	8	Fontana Giudea	18.12	< 0.10	18.58	3.00	12602	< 0.10	18.88	15.5	0.18	6.46	967	37038	0.13	3716	7.53	0.49	18436	4.89	3.55	<0.01	8.38	
9	9	Fontana di Mezzo	8.57	0.13	26.41	2.66	15350	< 0.10	28.40	17.5	0.53	11.78	7110	34761	0.17	5911	8.32	0.26	20460	8.18	7.55	<0.01	11.75	
10	10	Fontana Matarazzo	19.13	0.20	27.64	2.32	19617	< 0.10	23.24	15.1	0.26	8.58	4473	32759	0.16	5547	9.24	0.58	19577	8.76	6.15	<0.01	13.59	
11	11	Fontana Altosano	20.79	0.24	16.11	1.35	60242	0.11	31.26	21.3	0.31	11.38	605	40874	0.87	8845	2.26	0.63	16682	13.12	6.35	<0.01	5.05	
12	12	Pitillo	18.07	< 0.10	9.24	9.30	80406	0.14	1.39	< 1.0	< 0.10	< 2.8	579	8513	0.36	4982	3.04	0.71	5132	3.58	1.12	<0.01	2.85	
13	13	Fiumarella I	23.08	< 0.10	6.06	6.81	74004	0.16	0.74	< 1.0	0.24	25.31	431	13340	0.52	3554	3.57	0.76	1827	2.16	0.65	<0.01	1.12	
14	14	Calcagno	7.88	0.14	5.10	7.66	65463	0.12	0.21	< 1.0	0.21	< 2.8	449	19929	< 0.10	3875	2.79	0.19	1721	2.25	0.25	<0.01	11.02	

TAB. 7 – Risultati analitici relativi al campionamento di febbraio 2011 (zona A).

			Al	As	B	Ba	Ca	Co	Cr(tot.)	Cr(VI)	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Si	Cloruri	Nitrati	Fosfati	Solfati
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/l	mg/l	mg/l	mg/l
1	15	Tarantola Vecchia	5.69	0.09	5.31	19.40	81491	0.11	3.75	4.1	0.93	13.48	634	14013	0.34	4179	2.07	< 0.10	2188	5.56	0.59	<0.01	2.45
2	16	Tarantola Nuova	18.94	0.20	8.01	30.98	90994	0.15	6.26	5.6	0.29	18.29	679	17561	0.90	4787	3.01	1.19	1933	5.15	0.75	<0.01	2.35
3	17	Curci	7.46	0.05	6.19	10.72	96785	0.14	15.51	14.0	0.26	14.59	710	12418	0.55	3983	4.93	0.89	2479	5.26	0.89	<0.01	2.39
4	18	Acqua Ficavozza	14.76	0.02	8.79	3.28	11382	0.05	6.75	5.4	0.18	16.05	434	12783	0.40	3236	6.19	2.65	1509	4.49	1.79	<0.01	5.28
5	19	Bosco Magnano	18.90	0.06	8.46	2.84	22715	0.04	15.54	20.1	< 0.10	5.35	586	19172	0.06	5984	0.83	0.71	634	7.27	0.03	<0.01	4.69
6	20	Fosso Arcangelo	18.45	0.04	16.04	3.93	16518	0.11	9.10	7.2	0.37	3.81	895	53660	< 0.10	4036	12.11	< 0.10	294	2.29	0.78	0.07	12.41
7	21	Pagnottella	17.20	0.06	17.79	4.31	15097	0.13	21.77	18.3	0.27	8.76	5648	33968	0.14	5591	17.09	0.03	242	6.17	6.82	<0.01	6.85
8	22	Fontana Giudea	19.10	0.07	19.40	3.31	12086	0.06	20.90	15.9	0.15	7.01	1145	47382	0.05	4839	8.57	0.74	1321	7.85	4.29	<0.01	10.89
9	23	Fontana di Mezzo	19.27	0.05	20.53	1.94	10264	0.08	25.25	22.2	0.09	9.26	6618	35447	0.06	6282	6.59	4.04	854	5.87	5.71	<0.01	6.78
10	24	Fontana Matarazzo	32.43	0.14	22.30	1.96	14745	0.09	23.98	22.2	0.12	8.97	4506	35140	0.12	6424	9.04	0.79	548	8.06	5.14	<0.01	10.18
11	25	Fontana Altosano	21.53	0.15	12.69	1.15	47572	0.08	25.18	18.0	0.60	11.37	440	39796	1.44	9456	1.47	0.90	1205	11.51	7.15	<0.01	3.73
12	26	Pitillo	26.05	0.02	2.25	1.75	30596	0.05	0.17	< 1.0	< 0.10	10.15	297	12161	0.25	2651	0.87	0.65	1437	4.78	1.09	<0.01	1.55
13	27	Fiumarella I	36.97	0.05	1.13	2.23	19953	0.04	0.13	< 1.0	0.04	5.81	263	14071	0.13	2344	0.62	0.87	2466	3.88	0.52	<0.01	1.68
14	28	Calcagno	26.23	0.02	5.05	4.21	43286	0.08	1.34	1.2	< 0.10	19.54	369	7199	0.31	4275	1.08	6.58	1016	6.15	1.01	0.04	1.98

TAB. 8 – Risultati analitici relativi al campionamento di giugno 2011 (zona A).

			Al	As	B	Ba	Ca	Co	Cr(tot.)	Cr(VI)	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Si	Cloruri	Nitrati	Fosfati	Solfati
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
1	29	Tarantola Vecchia	4.42	0.14	10.37	16.11	67426	< 0,10	4.81	4.6	0.69	3.56	965	19960	0.15	6111	1.67	1.27	5023	7.69	2.35	<0.01	4.35
2	30	Tarantola Nuova	5.54	0.21	13.21	24.64	64022	< 0,10	6.42	6.3	< 0,10	6.26	756	20509	0.24	5824	1.53	0.90	6894	6.09	2.11	<0.01	5.39
3	31	Curcio	3.16	< 0,10	9.50	10.09	76040	< 0,10	16.91	16.8	< 0,10	7.73	872	15232	0.16	5017	3.51	0.90	11338	6.12	1.41	<0.01	4.52
4	32	Acqua Ficavozza	13.88	< 0,10	7.54	3.46	9963	< 0,10	5.92	5.4	< 0,10	12.46	334	9262	0.38	2609	3.54	1.76	4851	3.46	2.16	<0.01	5.62
5	33	Bosco Magnano	3.52	0.11	6.33	7.30	30352	< 0,10	19.66	17.8	< 0,10	5.75	426	13851	0.11	4228	0.82	1.94	8126	11.22	1.16	<0.01	8.51
6	34	Fosso Arcangelo	3.10	< 0,10	12.04	5.41	13127	< 0,10	5.91	5.1	0.86	2.88	673	37090	< 0,10	3063	8.64	2.11	5753	5.57	0.99	<0.01	56.08
7	35	Fontana Pagnottella	11.71	0.13	24.00	7.38	11359	< 0,10	29.17	26.1	0.18	7.96	5024	27203	< 0,10	4793	12.68	1.36	12313	11.05	17.16	<0.01	16.52
8	36	Fontana Giudea	2.55	< 0,10	7.84	2.03	7104	< 0,10	18.01	14.4	< 0,10	4.11	474	20115	< 0,10	2050	4.13	1.74	8902	6.97	2.88	<0.01	13.68
9	37	Fontana di Mezzo	3.16	< 0,10	15.69	1.88	9592	< 0,10	28.05	23.9	< 0,10	6.29	4526	24157	< 0,10	4327	4.57	1.40	11697	9.08	9.29	<0.01	13.28
10	38	Fontana Matarazzo	5.65	0.10	12.78	1.96	10316	< 0,10	23.38	19.8	0.24	7.42	2358	19093	0.50	3276	5.33	6.47	9953	7.27	3.63	<0.01	10.99
11	39	Fontana Altosano	7.87	0.12	5.77	0.45	26614	< 0,10	31.48	24.0	< 0,10	31.58	255	18814	0.71	4399	0.68	1.63	7578	21.63	19.45	<0.01	8.05
12		Pitillo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	40	Calcagno	1.75	< 0,10	1.99	6.47	44538	< 0,10	0.45	< 1,0	< 0,10	< 2,8	239	5078	0.17	3354	0.82	0.32	2588	10.37	1.87	<0.01	3.33
14	41	Fiumarella I	3.00	0.18	2.78	9.30	67925	< 0,10	< 0,10	< 1,0	0.14	< 2,8	482	21065	0.10	4140	1.66	1.14	1698	5.53	0.71	<0.01	3.32
15	42	Miretta	4.03	0.13	10.01	16.36	66000	< 0,10	5.18	4.5	< 0,10	3.37	810	20735	< 0,10	5937	1.39	2.01	4664	8.62	0.75	<0.01	5.29

TAB. 9 – Risultati analitici relativi al campionamento di settembre 2011 (zona A).

			Al	As	B	Ba	Ca	Co	Cr(tot.)	Cr(VI)	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Si	Cloruri	Nitrati	Fosfati	Solfati	
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
1	43	Tarantola Vecchia	3.39	0.15	9.52	12.73	64838	0.13	6.14	3.6	1.05	8.56	830	18594	0.14	5603	1.92	2.04	4768	7.85	0.81	0.15	4.15	
2	44	Tarantola Nuova	4.08	0.24	12.89	20.07	63455	0.14	7.58	4.6	0.91	10.29	772	19833	0.22	5536	2.97	1.88	6815	5.79	1.01	0.07	3.38	
3	45	Curcio	2.53	0.11	7.73	7.24	63409	0.13	18.66	13.2	0.43	10.15	726	12376	0.18	4028	4.57	1.49	9162	7.15	1.25	0.15	3.38	
4	46	Acqua Ficavozza	17.58	< 0,10	9.84	2.82	9152	< 0,10	7.66	5.5	0.98	46.81	469	12535	0.72	3441	8.58	1.47	6218	2.79	1.61	0.16	4.97	
5	47	Bosco Magnano	1.59	0.13	7.33	6.17	31978	< 0,10	17.2	16.09	0.40	8.32	474	14482	< 0,10	4273	4.63	1.12	8227	8.81	0.25	0.14	7.08	
6	48	Fosso Arcangelo	1.91	< 0,10	20.67	6.49	21402	0.16	10.49	8.3	0.81	7.34	1025	57286	0.11	4824	16.79	1.30	9443	4.49	0.57	0.01	30.51	
7	49	Fontana Pagnottella	2.24	0.18	24.52	5.64	17474	0.23	33.87	21.0	1.30	14.06	7594	39857	< 0,10	6996	24.17	1.55	17872	15.96	17.55	0.01	12.48	
8	50	Fontana Giudea	1.35	< 0,10	12.91	2.17	6811	< 0,10	17.6	15.82	0.53	6.92	616	26450	< 0,10	2629	10.32	1.08	11871	8.51	4.71	0.16	14.22	
9	51	Fontana di Mezzo	2.21	0.11	29.25	2.55	11793	0.11	35.79	25.0	0.58	15.18	7510	37324	< 0,10	6549	8.02	1.65	19446	7.85	5.89	0.08	11.43	
10	52	Fontana Matarazzo	2.34	0.21	29.09	2.34	14980	0.11	32.96	19.7	0.99	14.27	4509	34631	< 0,10	5776	10.37	1.64	19004	7.81	5.28	0.15	12.85	
11	53	Fontana Altosano	3.21	0.27	16.51	1.28	57044	0.12	46.76	24.1	0.47	21.93	559	38096	0.77	8974	1.75	1.64	14709	19.99	11.29	0.07	7.05	
12		Pitillo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13	54	Calcagno	2.32	0.11	8.81	10.38	88863	0.18	1.51	0.5	0.63	3.95	631	9591	0.15	6052	2.81	1.97	5842	3.93	0.42	0.1	2.61	
14	55	Fiumarella I	1.91	0.13	1.66	5.30	45959	0.10	0.21	< 1,0	0.52	2.49	328	14034	< 0,10	2809	1.31	1.40	1631	8.36	2.32	0.16	4.39	
15	56	Miretta	1.91	< 0,10	4.92	7.25	35764	< 0,10	3.2	2.86	0.49	3.47	466	11090	< 0,10	3170	0.97	0.95	2404	8.83	0.85	0.32	5.29	

TAB. 10 – Risultati analitici relativi al campionamento di gennaio 2012 (zona A).

			Al	As	B	Ba	Ca	Co	Cr(tot.)	Cr(VI)	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Si	Cloruri	Nitrati	Fosfati	Solfati
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
1	57	Tarantola Vecchia	0.63	< 0,10	3.12	7.40	34543	< 0,10	3.69	2.9	0.62	4.49	432	9932	< 0,10	2937	1.33	0.43	2743	7.68	1.71	0.01	4.44
2	58	Tarantola Nuova	3.12	0.10	3.14	9.66	29710	< 0,10	4.12	3.5	0.52	7.16	341	9154	0.13	2434	1.02	0.46	3562	4.51	1.35	0.12	3.25
3	59	Curcio	0.28	< 0,10	0.83	3.03	26561	< 0,10	15.0	8.84	0.51	4.10	287	5373	< 0,10	1654	1.54	0.26	4071	6.16	1.12	0.02	3.37
4	60	Acqua Ficavozza	11.42	< 0,10	6.44	2.07	6570	< 0,10	7.05	4.2	0.45	22.46	375	9332	0.25	2631	3.80	0.40	5409	4.87	3.59	0.03	7.05
5	61	Bosco Magnano	0.34	0.11	4.99	5.40	27702	< 0,10	13.17	9.5	0.56	5.91	393	12378	< 0,10	3676	0.99	0.38	7465	10.75	2.35	0.01	8.25
6	62	Fosso Arcangelo	1.14	< 0,10	13.02	4.45	16171	0.14	17.26	9.8	0.99	7.97	695	42547	< 0,10	3126	13.49	0.40	7546	6.54	2.49	0.25	43.25
7	63	Fontana Pagnottella	0.47	< 0,10	11.22	3.39	9430	0.13	23.44	21.2	0.47	9.44	4165	24585	< 0,10	5066	13.43	0.39	10797	10.09	19.85	0.15	9.15
8	64	Fontana Giudea	0.21	< 0,10	9.64	1.94	5788	< 0,10	17.38	12.0	0.34	6.54	541	22668	< 0,10	2553	5.53	0.37	10330	11.88	6.46	0.09	11.38
9	65	Fontana di Mezzo	1.02	< 0,10	18.87	2.38	8469	< 0,10	30.72	16.7	0.59	18.39	5251	25318	< 0,10	4705	6.17	0.53	14527	7.95	6.25	0.03	10.66
10	66	Fontana Matarazzo	0.24	0.11	11.47	1.21	7340	< 0,10	17.18	12.5	0.35	6.77	2151	17522	< 0,10	2951	5.28	0.33	9262	5.11	3.95	0.15	5.55
11	67	Fontana Altosano	6.54	0.32	17.55	0.86	65012	0.15	69.51	35.1	1.38	38.68	804	41002	1.44	9820	2.19	0.85	17068	17.01	13.75	<0,01	6.06
12		Pitillo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	68	Calcagno	1.02	0.11	5.88	9.10	74865	0.14	1.43	0.7	0.63	4.07	466	7855	< 0,10	4980	2.32	0.73	4624	7.78	1.65	<0,01	3.76
14	69	Fiumarella I	2.85	0.17	3.29	7.65	65166	0.16	0.39	< 1,0	0.66	4.93	465	20282	0.14	4096	2.12	1.73	2111	3.05	0.41	<0,01	1.76
15	70	Miretta	3.07	< 0,10	3.16	7.27	33390	< 0,10	2.87	2.7	0.48	3.38	439	10042	0.41	2771	1.23	0.51	2546	5.63	0.66	0.05	4.11

TAB. 11 – Risultati analitici relativi al campionamento di marzo 2012 (zona A).

			Al	As	B	Ba	Ca	Co	Cr(tot.)	Cr(VI)	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Si	Cloruri	Nitrati	Fosfati	Solfati	
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
1	71	Tarantola Vecchia	3.64	< 0,10	4.85	10.86	53417	0.11	6.22	< 1,0	1.21	9.94	695	14896	0.13	4547	1.77	1.12	4081	7.62	0.79	<0.01	4.85	
2	72	Tarantola Nuova	2.89	< 0,10	1.77	9.01	28843	< 0,10	4.27	2.0	0.26	6.38	335	8793	0.11	2372	1.03	0.58	3207	6.59	1.15	<0.01	4.02	
3	73	Curcio	35.58	< 0,10	2.81	6.89	48897	0.10	18.74	6.6	1.38	18.62	586	9542	0.45	3158	3.45	1.26	7292	7.18	1.05	<0.01	3.51	
4	74	Acqua Ficavozza	11.01	< 0,10	6.06	2.13	7934	< 0,10	9.96	5.9	0.50	21.39	443	11031	0.15	3199	4.32	0.88	5905	5.78	2.55	<0.01	7.56	
5	75	Bosco Magnano	1.78	< 0,10	2.82	4.62	24197	< 0,10	11.47	7.0	0.16	6.17	351	10426	< 0,10	3188	0.79	0.63	6394	12.95	0.37	<0.01	8.66	
6	76	Fosso Arcangelo	0.55	< 0,10	5.28	2.69	10307	< 0,10	8.64	8.0	0.28	4.58	482	27401	< 0,10	2105	7.96	0.49	4657	7.98	1.61	<0.01	61.21	
7	77	Fontana Pagnottella	0.60	< 0,10	6.26	2.52	8223	< 0,10	21.60	21.6	0.27	9.23	3644	19495	< 0,10	3438	9.76	0.59	8698	18.29	26.32	<0.01	17.63	
8	78	Fontana Giudea	1.08	< 0,10	4.84	1.56	5907	< 0,10	15.76	12.3	0.33	7.94	494	19362	< 0,10	2235	4.71	0.55	8513	8.85	5.52	<0.01	11.46	
9	79	Fontana di Mezzo	2.05	< 0,10	9.28	1.44	7399	< 0,10	23.57	11.9	0.28	11.68	4103	20363	0.22	3726	4.50	0.78	10775	9.95	7.91	<0.01	13.42	
10	80	Fontana Matarazzo	2.29	0.11	8.86	1.20	8098	< 0,10	17.16	14.6	1.27	9.84	2411	18438	< 0,10	3275	5.45	0.83	10150	7.89	3.89	0.11	8.78	
11	81	Fontana Altosano	1.89	< 0,10	2.76	0.50	24908	< 0,10	41.33	25.2	0.27	12.00	180	16493	0.20	3940	0.73	0.56	6553	26.52	13.13	<0.01	10.11	
12	82	Pitillo	5.04	< 0,10	0.55	3.57	47973	< 0,10	0.21	< 1,0	0.31	7.12	262	9191	0.36	2236	1.36	1.06	1081	4.15	0.88	<0.01	1.74	
13		Calcagno	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	83	Fiumarella I	2.47	< 0,10	0.67	3.98	36877	0.10	0.18	< 1,0	1.11	5.04	293	11602	0.35	2387	1.11	0.82	907	5.95	0.52	<0,01	2.95	
15	84	Miretta	5.50	< 0,10	4.33	8.51	42539	< 0,10	4.44	< 1,0	0.33	4.94	560	12765	< 0,10	3697	1.26	0.88	3149	9.42	0.86	<0,01	12.98	

TAB. 12 – Risultati analitici relativi al campionamento di giugno 2012 (zona A).

			Al	As	B	Ba	Ca	Co	Cr(tot.)	Cr(VI)	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Si	Cloruri	Nitrati	Fosfati	Solfati
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
1	85	Tarantola Vecchia	4.15	< 0,10	5.1	14.87	69301	0.12	7.17	6.7	0.95	16.08	1028	19996	0.19	6225	1.67	1.76	5073	4.15	< 0,10	5.1	14.87
2	86	Tarantola Nuova	5.42	0.11	7.8	19.72	67367	0.12	8.71	6.1	0.44	13.31	844	21364	< 0,10	5963	1.78	1.91	7098	5.42	0.11	7.8	19.72
3	87	Curcio	3.71	< 0,10	4.8	7.99	77724	0.13	18.34	11.2	0.42	23.67	936	15386	< 0,10	5095	3.94	1.92	10877	3.71	< 0,10	4.8	7.99
4	88	Acqua Ficavozza	12.90	< 0,10	10.2	3.86	12706	< 0,10	12.34	8.1	1.30	40.72	863	17664	0.47	5377	6.78	1.94	9360	12.90	< 0,10	10.2	3.86
5	89	Bosco Magnano	6.92	0.13	9.0	10.85	59177	0.11	27.59	19.5	0.83	25.92	881	27344	0.13	8197	1.76	2.17	14994	12.67	0.21	<0.01	10.03
6	90	Fosso Arcangelo	3.17	< 0,10	19.0	8.36	28350	0.18	13.16	8.5	0.96	18.66	1560	5872	< 0,10	6808	19.03	2.20	12072	7.48	0.52	<0.01	73.05
7	91	Fontana Pagnottella	2.72	0.11	19.3	6.43	22449	0.21	46.51	35.8	0.80	32.14	9955	51036	< 0,10	8831	23.62	2.00	21833	14.83	23.99	<0.01	20.02
8	92	Fontana Giudea	5.00	< 0,10	15.7	3.86	13017	0.11	30.46	20.6	0.67	30.26	1150	49619	0.25	5280	10.90	2.00	20759	11.06	7.19	<0.01	18.11
9	93	Fontana di Mezzo	2.97	< 0,10	20.7	2.67	13451	0.12	38.50	25.9	0.51	29.09	8333	42539	< 0,10	7557	8.35	2.13	21163	10.75	9.25	<0.01	17.06
10	94	Fontana Matarazzo	3.35	0.17	20.4	2.49	17312	0.11	29.79	18.8	0.65	24.52	5024	40744	< 0,10	6995	10.32	2.11	20723	13.71	3.92	<0.01	15.97
11	95	Fontana Altosano	5.28	0.25	11.5	0.72	67798	0.12	52.83	39.1	0.37	45.03	584	45630	0.66	10825	1.72	2.03	18027	26.93	21.75	<0.01	12.44
12		Pitillo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	96	Calcagno	4.11	< 0,10	4.7	9.20	83552	0.13	2.09	1.3	0.83	9.37	917	11168	< 0,10	6518	2.04	1.48	5920	9.61	1.98	<0.01	4.92
14	97	Fiumarella I	3.45	0.11	< 1,0	6.91	64231	0.11	0.20	< 1,0	0.35	7.62	477	20932	< 0,10	4239	1.60	2.20	1518	6.67	0.61	<0.01	4.61
15	98	Miretta	6.41	< 0,10	5.2	13.36	67887	0.13	6.10	4.5	1.78	20.80	918	20744	0.26	6037	2.04	2.05	4804	8.75	0.36	<0.01	5.85

TAB. 13 – Risultati analitici relativi al campionamento di agosto 2012 (zona A).

			Al	As	B	Ba	Ca	Co	Cr(tot.)	Cr(VI)	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Si	Cloruri	Nitrati	Fosfati	Solfati
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
1	99	Tarantola Vecchia	4,92	0,16	< 1,0	12,02	66753	0,10	6,50	6,5	0,12	6,75	782	20529	0,27	6138	1,69	0,26	4751	8,28	0,63	<0,01	4,98
2	100	Tarantola Nuova	1,54	0,26	< 1,0	18,77	64825	< 0,10	7,61	7,1	0,29	5,62	757	21702	0,26	5766	2,00	0,26	7198	6,58	0,95	<0,01	4,69
3	101	Curcio	13,90	0,11	< 1,0	7,80	73198	0,12	20,02	16,7	1,52	20,75	862	15647	0,57	5114	4,40	0,31	10753	7,51	1,51	<0,01	4,51
4	102	Acqua Ficavozza	18,52	< 0,10	< 1,0	3,68	12083	< 0,10	8,80	8,8	0,75	28,53	663	18309	0,67	4938	7,11	0,33	8917	5,05	3,31	<0,01	6,31
5	103	Bosco Magnano	3,49	0,24	< 1,0	10,47	60511	< 0,10	20,57	18,7	0,49	9,75	838	25453	0,22	8813	1,70	0,29	13095	11,78	0,1	<0,01	10,19
6	104	Fosso Arcangelo	1,62	0,14	12,50	7,05	30620	0,21	23,20	23,1	1,08	9,17	1484	78831	0,20	6132	22,40	0,28	13007	5,61	1,55	<0,01	41,12
7	105	Fontana Pagnottella	2,77	0,23	10,58	5,97	21638	0,24	38,2	38,14	0,94	16,97	9322	50865	0,26	9367	27,49	0,27	21222	13,28	26,17	<0,01	12,31
8	106	Fontana Giudea	3,44	0,19	6,78	4,11	13945	< 0,10	27,78	26,8	0,74	14,19	1664	53342	0,39	7401	12,15	0,29	20446	12,86	7,71	<0,01	12,75
9	107	Fontana di Mezzo	2,47	0,17	10,30	3,12	15688	0,11	33,17	24,4	0,48	14,33	8092	41941	0,34	7838	9,49	0,29	19754	8,92	7,65	<0,01	12,01
10	108	Fontana Matarazzo	1,98	0,33	14,53	2,76	19758	0,11	37,17	18,9	0,87	40,29	5642	43847	0,21	8604	11,49	0,28	19514	16,99	8,58	<0,01	15,82
11	109	Fontana Altosano	9,45	0,33	1,83	0,72	73176	0,14	44,19	44,16	0,91	81,03	859	44783	2,73	11262	1,88	0,50	16638	22,58	16,18	<0,01	10,25
12		Pitillo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	110	Calcagno	3,42	0,11	< 1,0	9,76	85460	0,12	2,20	2,2	0,82	5,94	797	10519	0,20	6699	2,05	0,34	5423	8,09	2,32	<0,01	4,58
14	112	Fiumarella I	2,76	< 0,10	< 1,0	5,45	35953	0,10	0,20	< 1,0	0,62	5,01	270	12712	0,50	2510	1,21	1,98	1502	6,01	0,23	<0,01	2,80
15	112	Miretta	3,35	0,16	< 1,0	12,27	67742	0,10	5,08	4,3	0,70	6,05	1004	20844	0,21	5883	1,77	0,27	4243	7,78	0,65	<0,01	5,05

TAB. 14 – Risultati analitici relativi al campionamento di marzo 2013 (zona A).

			Al	As	B	Ba	Ca	Cd	Co	Cr	Cr(VI)	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	Pb	Se	Si	V	W	Cloruri	Nitrati	Fosfati	Solfati	
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/l	mg/l	mg/l	mg/l
1	113	Ciappa	3.04	< 0,10	19.45	65.03	161363	< 0,10	0.19	0.28	< 1,0	0.35	6.67	387	10150	6.15	0.18	11823	2.85	1.16	5.91	2707	0.12	< 0,05	19.85	0.87	<0.01	6.32	
2	114	Fosso	3.54	< 0,10	3.00	31.53	27660	0.12	< 0,10	< 0,10	< 1,0	0.43	2.82	249	2361	0.13	< 0,10	2999	0.51	0.41	1.14	864	< 0,10	< 0,05	16.59	2.72	<0.01	5.07	
3	115	Acquabona	19.56	0.13	16.51	62.78	109987	< 0,10	0.14	< 0,10	< 1,0	0.20	16.99	759	9825	3.18	0.18	11903	2.00	1.46	4.32	3529	0.28	< 0,05	16.35	5.59	<0.01	4.25	
4	116	Fonte Lavatoio	1.02	< 0,10	36.28	84.91	102577	< 0,10	0.11	3.43	3.2	< 0,10	< 2,8	3939	12004	< 0,10	0.18	11482	1.91	0.26	4.20	7298	0.28	< 0,05	15.29	15.96	<0.01	14.78	
5	117	Madonna della Stella	1.58	0.14	13.19	141.12	134746	< 0,10	0.13	0.31	< 1,0	0.12	8.32	641	17141	1.67	0.19	8536	2.42	0.49	5.02	5774	0.12	< 0,05	11.11	0.89	<0.01	5.74	
6	118	San Nicola	12.05	< 0,10	6.21	68.31	146184	0.15	0.15	< 0,10	< 1,0	< 0,10	8.97	286	2550	1.18	< 0,10	6472	2.69	0.58	5.67	4316	0.19	< 0,05	7.36	1.03	<0.01	5.16	
7	119	Acquafredda	13.85	< 0,10	10.50	4.61	64020	< 0,10	0.14	< 0,10	< 1,0	< 0,10	13.10	567	5764	0.64	0.16	5204	1.15	0.25	3.28	1991	0.10	< 0,05	5.25	0.24	<0.01	22.59	
8	120	Catusa	2.45	< 0,10	7.04	23.98	82477	< 0,10	< 0,10	0.97	< 1,0	< 0,10	< 2,8	435	2489	0.31	0.14	4345	1.66	0.15	3.59	1730	< 0,10	< 0,05	3.35	1.49	<0.01	6.95	
9	121	Lavatoio di Terranova	5.06	0.13	50.74	90.56	118060	< 0,10	0.13	0.10	< 1,0	0.57	3.01	2694	19698	0.15	1.53	13961	2.40	0.15	7.80	3466	0.13	< 0,05	16.55	5.35	<0.01	77.65	
10	122	Pioppo	5.64	< 0,10	64.30	35.33	124083	< 0,10	0.23	< 0,10	< 1,0	0.96	5.89	1857	19296	0.30	0.53	22685	2.57	0.96	6.23	2528	< 0,10	0.05	2.99	<0.01	<0.01	194.73	
11	123	Masseria Rusciano	140.37	< 0,10	17.41	9.30	59004	< 0,10	0.23	1.00	< 1,0	0.70	230.49	504	3555	54.31	0.28	3700	2.02	0.87	2.63	3353	2.15	< 0,05	3.19	<0.01	<0.01	11.24	
12	124	Fosso Duglia	16.49	0.12	5.03	24.01	51703	< 0,10	< 0,10	< 0,10	< 1,0	0.18	39.20	290	1374	4.54	0.12	2114	1.08	< 0,10	2.12	887	0.38	< 0,05	1.71	<0.01	<0.01	5.93	
13	125	Lago Duglia	5.78	0.13	2.88	20.37	56075	0.17	< 0,10	< 0,10	< 1,0	0.23	4.59	289	780	0.26	0.11	1379	1.17	0.87	2.29	664	0.38	< 0,05	1.92	0.29	<0.01	3.55	
14	126	Acqua Gentile	3.37	0.13	1.72	18.49	49573	< 0,10	< 0,10	< 0,10	< 1,0	0.26	< 2,8	208	599	< 0,10	< 0,10	1023	1.04	0.89	2.07	800	0.31	< 0,05	1.46	0.21	<0.01	3.74	
15	127	Acqua Tremola	1.50	0.11	< 1,0	9.49	59195	< 0,10	< 0,10	< 0,10	< 1,0	0.23	< 2,8	380	3587	< 0,10	0.14	1344	1.18	0.36	2.42	1009	0.28	< 0,05	1.51	0.51	<0.01	2.08	

TAB. 15 – Risultati analitici relativi al campionamento di giugno 2011 (zona B).

			Al	As	B	Ba	Ca	Cd	Co	Cr	Cr(VI)	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	Pb	Sc	Se	Si	V	W	Fosfati	Cloruri	Solfati	Nitrati
			ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	mg/l	mg/l	mg/l	mg/l
1	128	Ciappa	4.25	0.15	16.57	49.94	110654	0.44	1.06	< 0,10	< 1,0	0.39	< 2,8	569	13624	3.40	0.25	16375	5.15	3.08	1.56	1.99	5858	0.24	< 0,05	<0,001	24.55	6.35	1.75
2	129	Fosso	24.84	0.13	14.67	94.70	96639	0.15	1.11	0.19	< 1,0	0.35	26.09	739	10837	2.50	0.17	14394	4.73	2.94	1.69	1.81	6566	0.29	< 0,05	<0,001	17.08	5.57	7.12
3	130	Acqua Bona	3.53	0.14	12.76	71.31	90758	0.10	0.74	< 0,10	< 1,0	0.42	< 2,8	805	10209	0.21	0.18	11728	4.40	1.58	1.63	1.78	6488	0.29	< 0,05	<0,001	14.74	4.54	8.39
4	131	Fonte del Lavatoio	3.40	0.14	34.69	88.68	89652	0.15	1.03	4.49	1.9	0.31	< 2,8	4034	13726	0.14	0.21	13008	4.77	2.06	2.10	1.92	8508	0.40	< 0,05	<0,001	18.58	17.94	16.48
5	132	Madonna della Stella	3.32	0.18	12.28	128.54	101243	< 0,10	0.66	0.19	< 1,0	0.79	< 2,8	824	18346	0.63	0.20	9862	5.09	3.24	2.90	1.79	11633	0.17	< 0,05	<0,001	16.02	5.81	0.13
6	133	San Nicola	2.95	< 0,10	6.42	67.70	100167	< 0,10	0.55	0.16	< 1,0	0.28	< 2,8	279	2735	0.21	0.13	6661	5.23	1.24	1.61	1.88	6370	0.21	< 0,05	<0,001	9.99	5.39	1.21
7	134	Acquafredda	5.55	< 0,10	10.70	3.41	62579	< 0,10	0.44	0.26	< 1,0	0.28	3.39	721	6875	0.25	0.19	6212	2.70	1.17	0.62	1.72	2603	< 0,10	< 0,05	<0,001	5.96	25.38	0.32
8	135	Catusa	2.53	0.11	10.29	16.97	81554	< 0,10	0.53	1.39	< 1,0	0.43	< 2,8	593	3640	< 0,10	0.21	6716	3.70	1.74	0.69	1.18	2544	0.10	< 0,05	<0,001	5.32	13.81	2.45
9	136	Lavatoio Terranova	2.50	0.23	49.03	72.65	79939	0.14	0.54	0.29	< 1,0	0.75	< 2,8	2977	20616	0.23	1.84	18739	4.42	1.39	1.02	3.90	4047	0.31	< 0,05	<0,001	30.11	80.41	21.94
10	137	Pioppo*	8,08	0,10	85	25,06	124953	0,15	0,21	< 0,10	< 1,0	1,43	10,76	3331	32086	0,38	0,95	56671	3,00	2,91	-	7,19	2635	< 0,10	< 0,05	<0,01	4,32	261,46	0,69
11	138	Masseria Rusciano	4.54	< 0,10	15.45	5.34	51033	< 0,10	0.39	0.57	< 1,0	1.24	4.44	743	5146	12.51	0.41	5102	2.81	1.33	0.95	0.92	3836	1.43	< 0,05	<0,001	3.98	11.65	0.32
12	139	Fosso Duglia	3.56	0.12	8.25	19.96	62040	0.14	0.58	< 0,10	< 1,0	0.55	< 2,8	522	2666	1.31	0.16	4240	2.88	2.11	0.34	0.84	1477	0.36	< 0,05	<0,001	2.26	8.01	0.26
13	140	Lago Duglia	2.66	0.14	6.21	15.39	63352	< 0,10	0.52	0.15	< 1,0	0.55	< 2,8	461	2100	0.12	0.15	3572	2.89	1.66	0.31	0.87	1236	0.48	< 0,05	<0,001	2.16	7.26	0.18
14	141	Acquagentile	3.80	0.14	6.20	15.77	62311	< 0,10	0.47	0.15	< 1,0	0.79	< 2,8	461	2107	0.12	0.15	3598	2.90	1.51	0.31	0.90	1222	0.48	< 0,05	<0,001	1.99	6.25	0.19
15		Acqua Tremola	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	142	Lago Fornace	3.26	< 0,10	27.21	40.92	72451	< 0,10	0.49	< 0,10	< 1,0	1.34	< 2,8	1228	16014	0.32	0.86	9912	4.10	1.51	0.85	3.95	3274	0.10	< 0,05	<0,001	6.15	87.93	0.89

TAB. 16 – Risultati analitici relativi al campionamento di ottobre 2011 (zona B).

* Sulla sorgente Pioppo le misure relative al secondo campionamento sono riferite al mese di ottobre 2012.

TAB 17
Sperimentazione
24 ore

		Al	As	B	Ba	Ca	Co	Cr(tot.)	Cr(VI)	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Si	Cloruri	Nitrati	Fosfati	Solfati
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
1	Serpentinite S1 pH 5	1.7	< 0,10	1.2	0.6	724	0.12	0.33	< 1,0	0.23	< 2,8	308	914	0.69	644	1.97	0.85	1860	1.20	0.49	<0.01	0.51
2	Serpentinite S1 pH 7	1.3	< 0,10	1.5	0.6	652	< 0,10	0.33	< 1,0	0.35	< 2,8	243	961	0.35	798	1.98	0.75	1899	1.68	0.85	<0.01	0.52
3	Serpentinite S1 pH 8	1.1	0.11	1.3	1.8	4790	0.32	0.15	< 1,0	0.46	< 2,8	946	5399	5.58	3714	6.61	0.80	1464	20.25	0.85	0.92	0.50
4	Serpentinite S2 pH 5	17.7	< 0,10	< 1,0	0.9	3079	0.10	0.43	< 1,0	0.62	< 2,8	502	2023	0.72	1280	2.56	0.78	2655	3.03	5.18	<0.01	0.35
5	Serpentinite S2 pH 7	17.6	< 0,10	< 1,0	0.6	1374	< 0,10	0.49	< 1,0	0.33	6.51	415	981	0.35	948	1.70	0.80	2748	2.18	3.83	<0.01	0.32
6	Serpentinite S2 pH 8	3.3	< 0,10	1.6	0.9	2212	0.12	0.64	< 1,0	1.44	8.14	587	1811	0.75	1262	3.58	0.82	2615	1.65	1.66	0.34	0.42
7	Matrice conglom C1 pH 5	6.2	0.4	2.4	1.9	11598	0.2	0.5	< 1,0	1.4	10.2	569	1115	0.7	706	3.6	1.0	2449	0.54	11.20	0.73	0.55
8	Matrice conglom C1 pH 7	7.0	0.4	2.3	1.8	11799	0.1	0.5	< 1,0	2.1	12.6	555	1098	0.8	945	3.4	1.1	2372	1.44	12.13	0.61	1.07
9	Matrice conglom C1 pH 8	7.0	0.4	2.4	1.8	11230	0.1	0.5	< 1,0	1.5	12.0	556	1076	0.6	968	3.7	1.1	2534	1.07	11.20	<0.01	0.49
10	Matrice conglom C2 pH 5	176.5	1.15	4.1	6.4	13624	0.70	8.15	3.6	3.52	723.9	2557	4598	124.15	1634	6.37	1.87	3186	3.66	0.15	0.15	1.18
11	Matrice conglom C2 pH 7	5.5	1.72	3.9	1.5	13080	0.17	9.95	4.7	3.04	25.1	3676	5827	3.23	2000	3.19	0.89	2877	6.88	21.20	<0.01	1.90
12	Matrice conglom C2 pH 8	6.8	1.70	3.4	1.7	11781	0.18	9.38	4.9	3.06	27.0	1427	5022	3.44	1972	3.16	0.82	2650	2.67	20.43	<0.01	1.42
13	Gneiss G1 pH 5	9.2	< 0,10	< 1,0	1.8	1107	0.18	< 0,10	< 1,0	1.20	3.5	321	449	18.32	1038	0.21	0.79	891	0.89	1.70	<0.01	0.41
14	Gneiss G1 pH 7	11.3	< 0,10	< 1,0	1.2	1118	0.19	< 0,10	< 1,0	1.03	4.6	275	374	15.70	1023	0.20	0.84	729	0.58	0.94	0.28	0.50
15	Gneiss G1 pH 8	10.8	< 0,10	1.0	1.7	739	0.11	< 0,10	< 1,0	0.96	4.5	243	293	12.70	1196	0.16	0.83	751	0.68	0.38	<0.01	0.39
16	Gneiss G2 pH 5	3.9	< 0,10	3.7	3.5	1767	1.2	< 0,10	< 1,0	0.3	< 2,8	1220	796	59.1	2736	< 0,1	0.9	1414	3.17	1.85	<0.01	6.30
17	Gneiss G2 pH 7	3.8	< 0,10	4.6	4.6	1873	1.4	< 0,10	< 1,0	0.2	< 2,8	1336	866	66.8	3218	< 0,1	0.8	1653	3.58	3.44	<0.01	7.07
18	Gneiss G2 pH 8	3.3	< 0,10	4.9	5.3	2613	1.7	< 0,10	< 1,0	0.4	< 2,8	1501	1238	93.5	3785	0.2	0.9	1637	4.23	5.34	<0.01	8.13
19	Metabasite M1 pH 5	7.4	< 0,10	< 1,0	1.0	311	< 0,10	< 0,10	< 1,0	1.89	6.6	533	799	2.18	503	1.06	1.10	1226	0.83	0.79	0.38	0.29
20	Metabasite M1 pH 7	5.7	< 0,10	< 1,0	1.1	584	< 0,10	0.12	< 1,0	2.54	6.9	583	1692	6.03	587	3.27	0.79	929	2.02	1.57	<0.01	0.13
21	Metabasite M1 pH 8	12.8	< 0,10	< 1,0	0.7	277	< 0,10	< 0,10	< 1,0	0.52	6.0	436	665	1.24	604	0.51	0.87	1181	1.04	1.44	0.73	0.77
22	Metabasite M2 pH 5	7.3	< 0,10	< 1,0	1.1	342	< 0,10	< 0,10	< 1,0	1.82	6.6	634	616	2.16	567	1.11	0.70	1135	0.72	0.61	0.42	0.39
23	Metabasite M2 pH 7	6.1	< 0,10	< 1,0	1.2	553	< 0,10	< 0,10	< 1,0	2.81	6.0	536	766	3.02	680	2.03	0.89	1040	2.13	0.99	0.02	0.15
24	Metabasite M2 pH 8	9.8	< 0,10	< 1,0	0.9	288	< 0,10	< 0,10	< 1,0	0.98	6.1	433	667	1.46	547	1.21	1.08	1090	1.34	0.97	0.75	0.56

TAB. 18

Sperimentazione – 1 mese

	Al	As	B	Ba	Ca	Co	Cr(tot.)	Cr(VI)	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Si	Cloruri	Nitrati	Fosfati	Solfati	
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	
1	Serpentinite S1 pH 5	49.06	< 0,10	3.6	1.15	3643	2.55	9.46	5.6	0.66	186.86	465	5628	10.23	1154	17.40	2.08	8016	0.66	2.18	<0.01	4.26
2	Serpentinite S1 pH 7	4.82	< 0,10	4.0	0.89	3721	0.21	6.09	2.4	0.67	17.93	387	5449	0.29	1263	5.86	2.03	7637	0.41	0.89	<0.01	4.85
3	Serpentinite S1 pH 8	4.64	< 0,10	3.6	1.95	6132	0.13	7.67	3.5	0.58	16.57	811	9051	0.10	3870	7.60	2.06	7838	20.68	2.03	<0.01	3.26
4	Serpentinite S2 pH 5	3.81	< 0,10	< 1,0	1.53	7799	0.11	13.68	6.4	0.67	20.11	552	6311	< 0,10	1806	4.90	2.09	12020	0.62	6.88	<0.01	1.21
5	Serpentinite S2 pH 7	10.74	< 0,10	< 1,0	1.33	5750	0.14	21.31	11.0	0.77	58.22	496	4366	0.16	1449	4.42	2.12	12831	0.54	10.65	<0.01	0.43
6	Serpentinite S2 pH 8	4.49	< 0,10	< 1,0	2.61	14394	0.15	22.78	10.3	1.59	24.45	827	11368	< 0,10	1761	7.54	2.10	11475	0.32	8.66	<0.01	0.55
7	Matrice conglom C1 pH 5	4.79	0.18	3.0	5.38	35872	0.17	2.15	1.26	1.32	12.35	851	3980	< 0,10	831	3.33	2.58	6707	0.68	11.86	<0.01	0.59
8	Matrice conglom C1 pH 7	4.78	0.17	2.4	4.94	34174	0.16	2.07	1.23	1.13	12.00	761	3825	< 0,10	866	3.14	2.37	6505	0.45	10.25	<0.01	0.58
9	Matrice conglom C1 pH 8	4.22	0.17	2.3	5.15	34373	0.15	2.24	1.43	0.97	10.82	773	3818	< 0,10	907	3.23	2.51	6578	0.45	10.28	<0.01	0.67
10	Matrice conglom C2 pH 5	5.14	0.35	2.0	0.78	35841	0.14	64.24	34.1	0.95	63.63	1791	10885	0.28	889	1.54	2.56	6955	1.45	6.09	0.08	0.98
11	Matrice conglom C2 pH 7	4.36	1.04	4.4	0.60	36180	0.18	105.55	66.6	1.42	85.32	3047	15277	0.30	1565	2.35	2.70	9638	3.25	18.95	<0.01	1.86
12	Matrice conglom C2 pH 8	4.06	0.92	4.4	0.45	36268	0.18	94.17	64.5	1.19	80.83	1590	15014	0.37	1768	2.10	2.57	9112	0.85	12.45	<0.01	0.95
13	Gneiss G1 pH 5	15.89	< 0,10	< 1,0	0.60	1273	0.08	0.28	< 1,0	0.80	31.52	345	393	0.46	1034	< 0,10	2.53	3178	0.48	0.46	<0.01	0.79
14	Gneiss G1 pH 7	11.20	< 0,10	< 1,0	0.62	1245	0.12	0.28	< 1,0	0.91	25.84	432	390	0.39	1073	< 0,10	2.47	2976	0.33	0.03	<0.01	0.85
15	Gneiss G1 pH 8	276.51	< 0,10	< 1,0	2.25	1145	0.41	1.45	< 1,0	1.08	441.73	362	431	17.61	1213	0.54	2.63	3466	0.88	0.04	0.08	1.45
16	Gneiss G2 pH 5	6.82	< 0,10	2.0	3.94	2590	0.16	0.19	< 1,0	6.06	15.48	1474	1201	20.65	2698	0.41	2.33	2162	2.59	0.97	<0.01	13.72
17	Gneiss G2 pH 7	5.52	< 0,10	2.3	4.28	2135	0.49	0.16	< 1,0	0.85	11.00	1393	1058	35.99	2783	< 0,10	2.67	2479	2.43	2.07	<0.01	12.41
18	Gneiss G2 pH 8	5.17	< 0,10	3.6	6.07	3400	0.13	0.20	< 1,0	1.76	12.76	2519	1561	10.48	3526	0.24	2.93	2206	2.91	4.39	<0.01	16.85
19	Metabasite M1 pH 5	53.74	< 0,10	< 1,0	1.20	1616	0.11	2.28	1.4	3.29	124.37	920	3181	2.55	450	1.96	2.85	4856	0.36	1.85	<0.01	6.15
20	Metabasite M1 pH 7	11.41	< 0,10	< 1,0	1.18	1856	< 0,10	1.98	1.1	2.18	26.44	640	5125	0.25	517	2.84	2.58	4368	1.63	1.63	<0.01	0.19
21	Metabasite M1 pH 8	821.50	< 0,10	< 1,0	1.42	1956	1.19	4.43	< 1,0	19.06	911.13	811	5476	49.74	588	19.43	2.35	6221	2.35	1.09	<0.01	1.35
22	Metabasite M2 pH 5	13.11	< 0,10	< 1,0	1.30	1689	< 0,10	1.37	< 1,0	2.93	14.32	830	2312	1.09	572	1.21	1.63	1802	0.67	0.98	<0.01	5.84
23	Metabasite M2 pH 7	12.83	< 0,10	< 1,0	1.50	1558	< 0,10	0.89	< 1,0	1.83	24.91	731	2001	0.52	689	2.11	2.25	1939	2.67	1.87	<0.01	0.49
24	Metabasite M2 pH 8	21.34	< 0,10	< 1,0	1.23	1666	0.20	1.10	< 1,0	2.98	13.93	810	1989	1.74	560	2.78	1.88	1989	1.75	1.75	<0.01	2.44

TAB. 19

Sperimentazione – 6 mesi

		Al	As	B	Ba	Ca	Co	Cr(tot.)	Cr(VI)	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Si	Cloruri	Nitrati	Fosfati	Solfati
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
1	Serpentinite S1 pH 5	0.62	< 0,10	< 1,0	0.84	4461	0.16	16.61	16.6	0.21	6.07	448	6147	< 0,10	831	6.17	0.20	9045	0,91	0,69	<0,01	5,02
2	Serpentinite S1 pH 7	1.08	< 0,10	< 1,0	0.50	4845	0.15	10.79	9.8	0.15	6.15	306	6780	0.19	999	5.87	0.20	8913	0,48	0,13	<0,01	6,95
3	Serpentinite S1 pH 8	9.27	< 0,10	< 1,0	2.01	8401	0.10	7.82	7.3	0.58	7.49	555	9165	0.61	2313	6.86	1.03	8901	5,56	0,28	<0,01	3,89
4	Serpentinite S2 pH 5	1.04	< 0,10	< 1,0	1.41	10218	< 0,10	18.65	14.1	0.44	7.23	517	6472	0.11	1528	4.98	0.20	14577	1,01	2,25	<0,01	8,98
5	Serpentinite S2 pH 7	1.62	< 0,10	< 1,0	0.94	7642	< 0,10	24.33	15.3	0.39	9.68	394	4613	0.18	1167	3.79	0.20	14021				
6	Serpentinite S2 pH 8	1.96	< 0,10	< 1,0	2.12	11059	0.13	18.30	18.3	1.56	7.37	633	10025	0.19	1560	8.04	0.21	12416	0,99	9,81	<0,01	0,74
7	Matrice conglom C1 pH 5	4.37	0.26	< 1,0	5.16	31577	< 0,10	4.4	4.4	0.59	6.38	511	4744	0.43	494	2.61	0.14	6241	0,92	13,89	<0,01	1,88
8	Matrice conglom C1 pH 7	0.95	0.25	< 1,0	4.15	32263	< 0,10	4.01	3.5	0.45	< 3,0	508	3911	< 0,10	763	2.54	0.10	6196	0,44	12,99	<0,01	0,89
9	Matrice conglom C1 pH 8	2.25	0.25	< 1,0	4.31	32520	< 0,10	4.6	4.6	0.49	3.35	502	3962	0.12	854	2.56	0.21	6189	0,38	12,37	<0,01	0,78
10	Matrice conglom C2 pH 5	1.79	0.54	< 1,0	0.84	28766	< 0,10	119.0	115.0	0.34	31.03	1105	7934	0.15	506	1.05	< 0,10	7116	0,55	9,85	<0,01	0,83
11	Matrice conglom C2 pH 7	2.60	1.13	< 1,0	0.45	32261	< 0,10	191.0	155.0	0.65	58.33	1975	12942	0.27	1005	1.57	0.19	10041	1,19	25,02	<0,01	2,75
12	Matrice conglom C2 pH 8	2.19	1.08	< 1,0	0.89	31120	< 0,10	153.7	107.4	0.63	52.84	1067	12239	0.26	1267	1.46	0.14	9730	0,55	25,85	<0,01	1,92
13	Gneiss G1 pH 5	1.80	< 0,10	< 1,0	0.29	1394	< 0,10	< 0,10	< 1,0	0.27	< 3,0	221	485	0.13	894	< 0,10	0.13	2985	0,35	0,19	<0,01	0,43
14	Gneiss G1 pH 7	0.62	< 0,10	< 1,0	0.46	1693	< 0,10	0.15	< 1,0	0.28	< 3,0	244	593	0.12	1099	< 0,10	0.15	2787	0,25	3,58	<0,01	0,65
15	Gneiss G1 pH 8	1.81	< 0,10	< 1,0	0.25	1052	< 0,10	0.24	< 1,0	0.25	< 3,0	215	324	0.13	1103	< 0,10	0.23	2797	0,38	0,12	<0,01	0,45
16	Gneiss G2 pH 5	4.38	< 0,10	< 1,0	3.25	7068	< 0,10	0.13	< 1,0	< 0,10	2.90	1019	1207	0.86	1851	0.14	0.18	1856	0,98	2,49	<0,01	9,38
17	Gneiss G2 pH 7	3.48	< 0,10	< 1,0	3.48	2537	< 0,10	0.11	< 1,0	0.10	20.11	1001	971	1.19	1991	0.11	0.22	2276	1,01	2,25	<0,01	8,98
18	Gneiss G2 pH 8	2.59	< 0,10	< 1,0	4.26	4116	< 0,10	< 0,10	< 1,0	0.12	< 3,0	1090	1647	0.61	2593	0.12	0.25	1868	1,35	3,38	<0,01	12,38
19	Metabasite M1 pH 5	2.85	< 0,10	< 1,0	0.83	1561	< 0,10	2.54	1.7	1.25	< 3,0	540	3149	0.12	310	1.24	0.19	5650	0,29	2,58	<0,01	0,25
20	Metabasite M1 pH 7	5.39	< 0,10	< 1,0	1.05	1995	< 0,10	0.92	< 1,0	2.35	< 3,0	391	4807	0.15	434	3.34	0.15	4868	0,75	0,09	<0,01	0,07
21	Metabasite M1 pH 8	5.28	< 0,10	< 1,0	1.11	1816	< 0,10	0.49	< 1,0	0.59	< 3,0	569	3675	0.19	667	0.94	0.21	5366	0,32	0,26	<0,01	0,09
22	Metabasite M2 pH 5	2.59	< 0,10	< 1,0	0.95	1644	< 0,10	3.40	2.9	1.13	< 3,0	530	3150	0.21	310	0.99	0.72	1729				
23	Metabasite M2 pH 7	2.85	< 0,10	< 1,0	1.23	1904	< 0,10	2.51	1.9	1.99	< 3,0	482	3234	0.18	434	2.12	0.87	2057				
24	Metabasite M2 pH 8	5.39	< 0,10	< 1,0	1.02	1998	< 0,10	2.62	2.0	1.73	< 3,0	558	2960	0.19	667	1.63	0.99	1899				

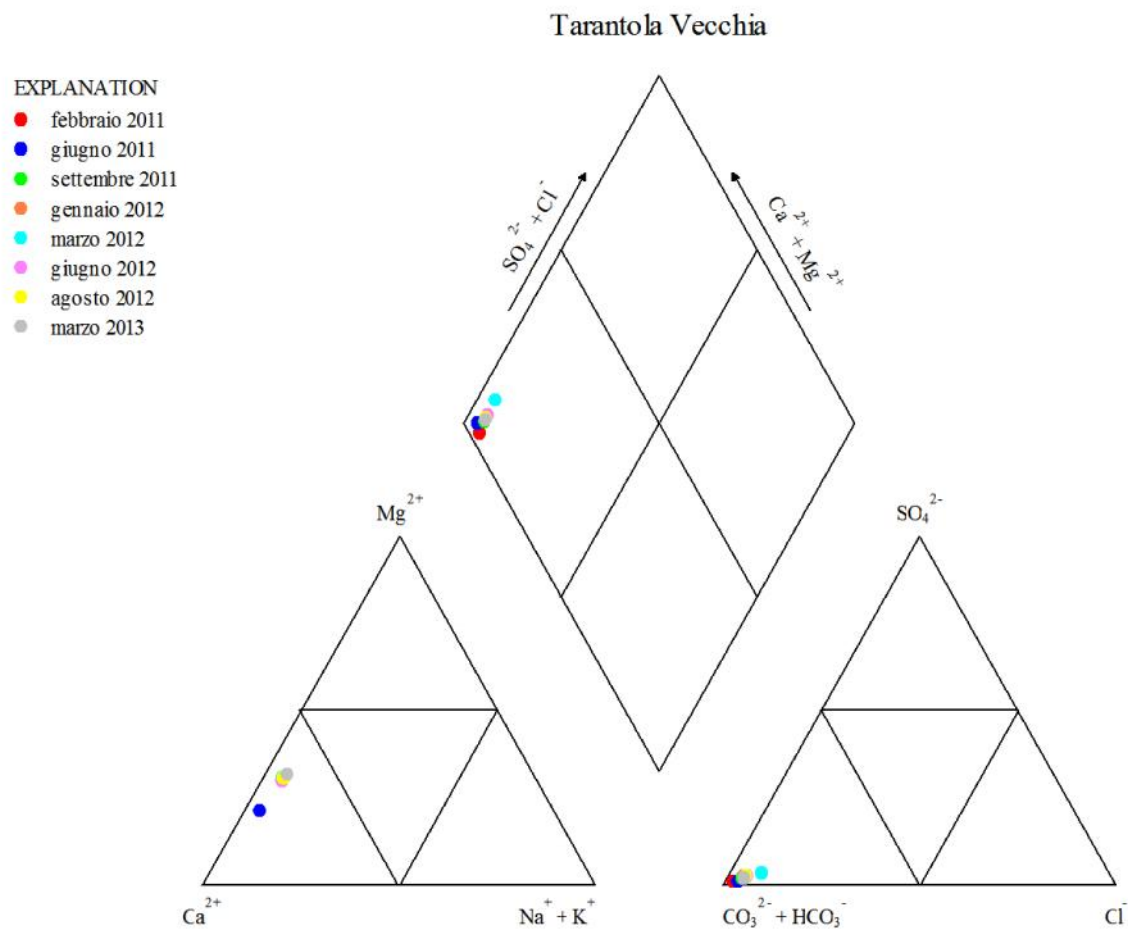


Diagramma 1 – Piper diagram della sorgente Tarantola Vecchia (Episcopia).

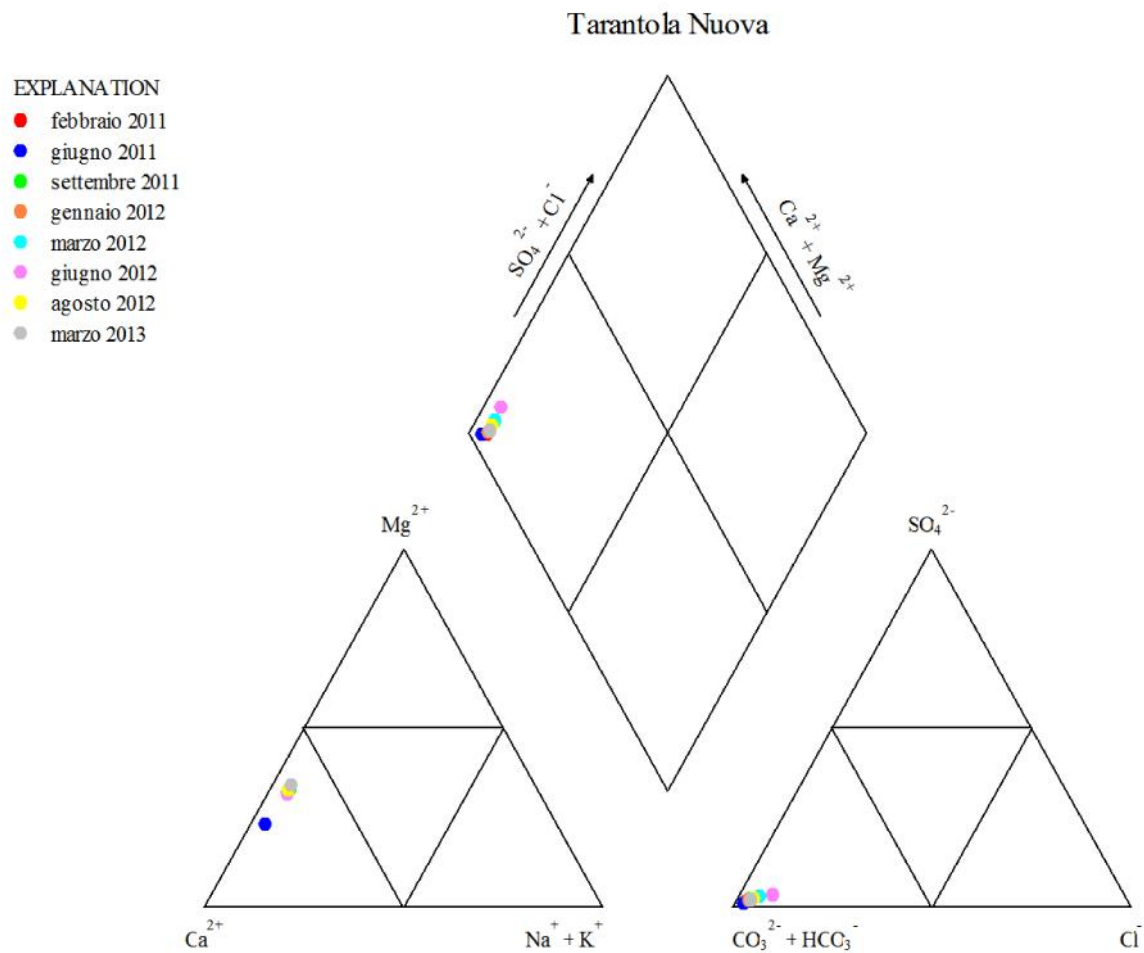


Diagramma 2 – Piper diagram della sorgente Tarantola Nuova (Episcopia).

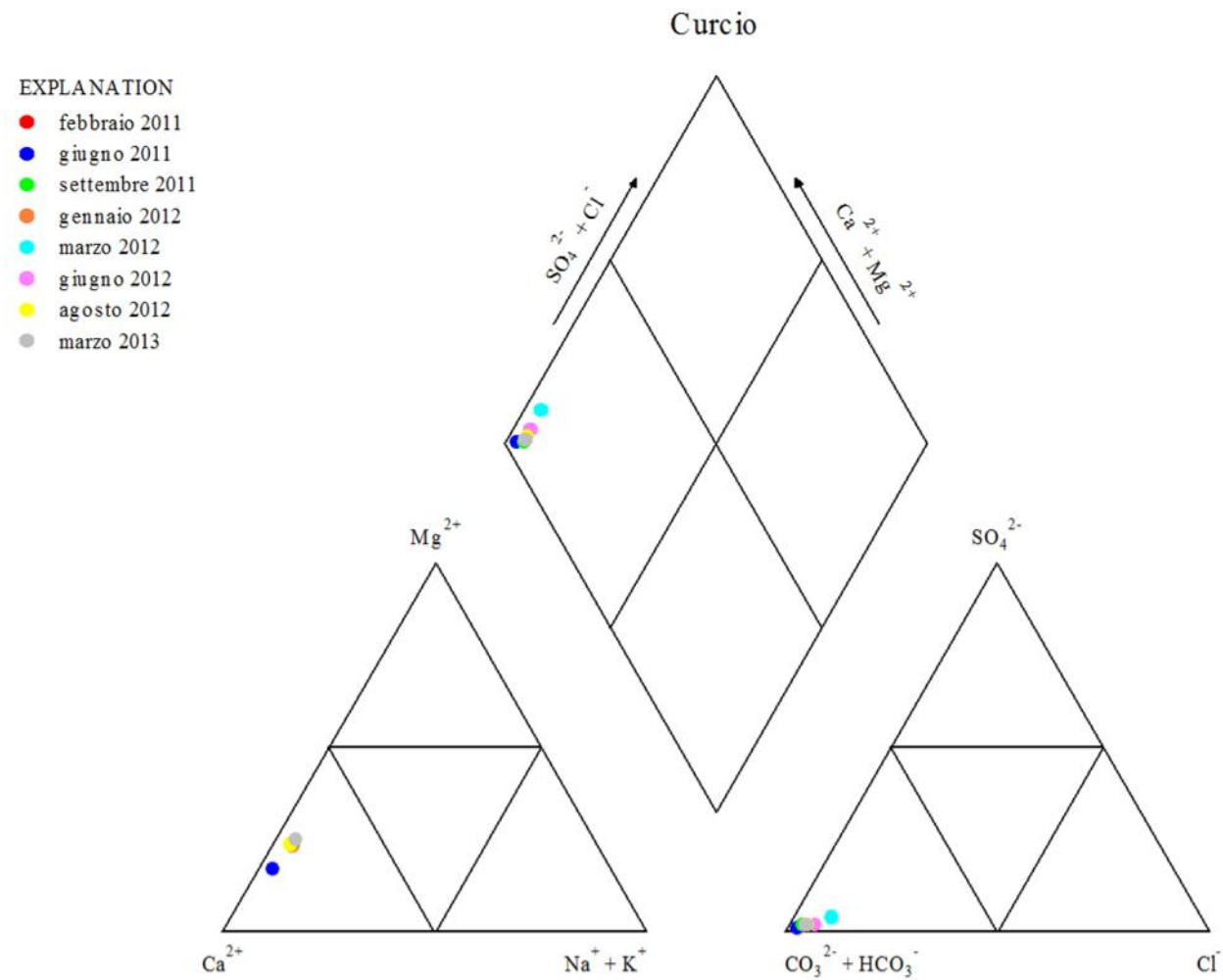


Diagramma 3 – Piper diagram della sorgente Curci (Episcopio).

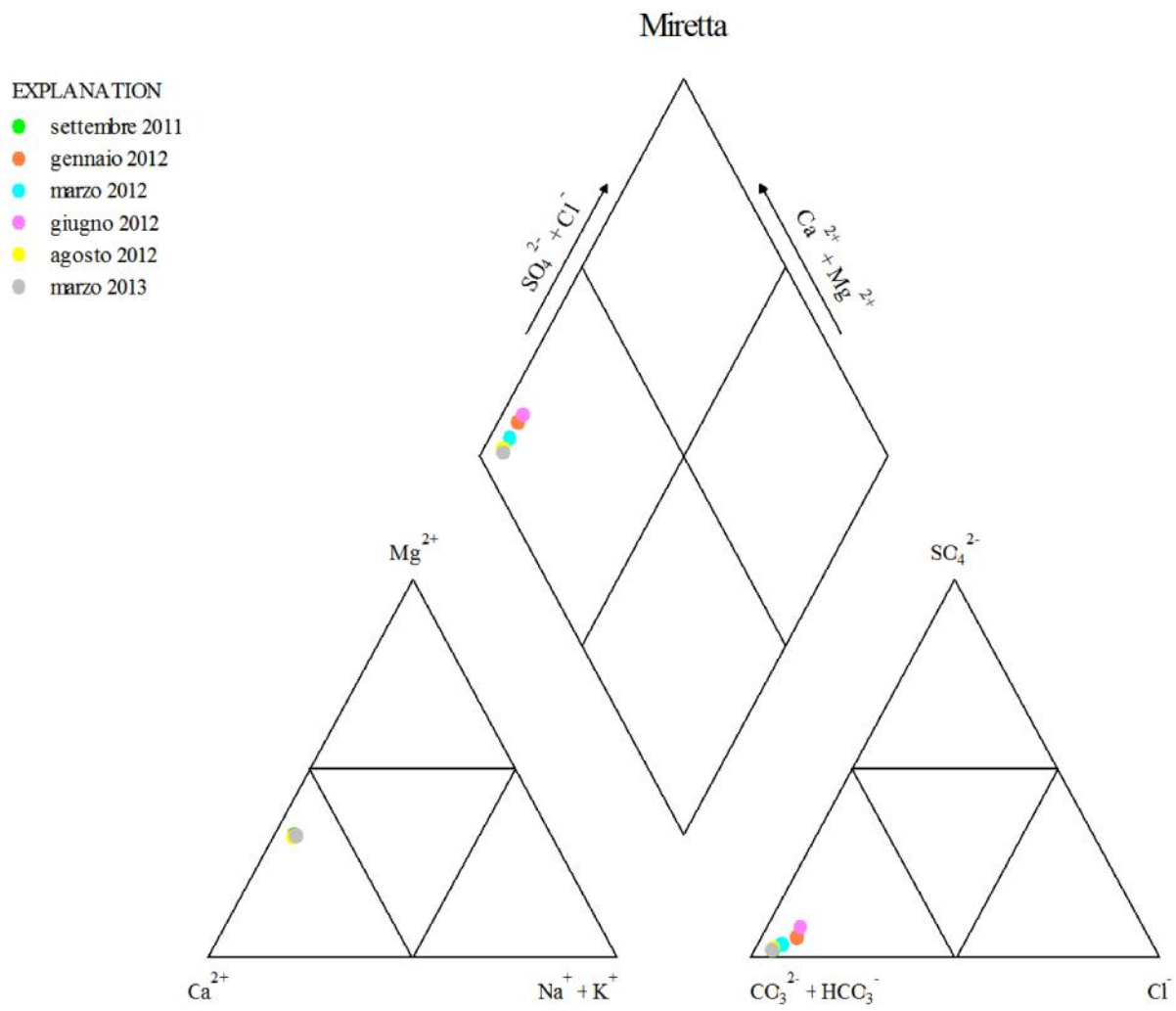


Diagramma 4 – Piper diagram della sorgente Miretta (Episcopia).

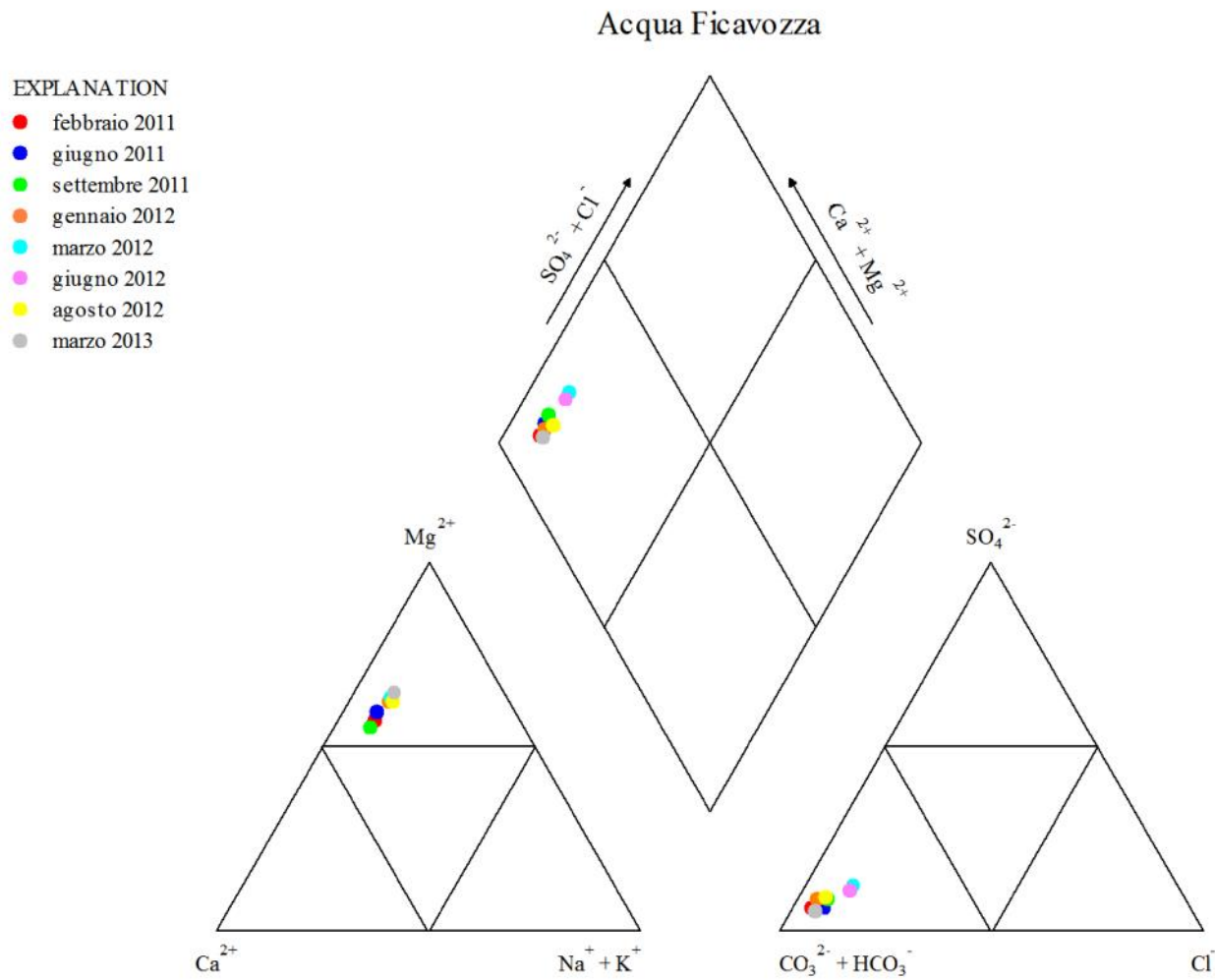


Diagramma 5 – Piper diagram della sorgente Acqua Ficavozza (Episcopia).

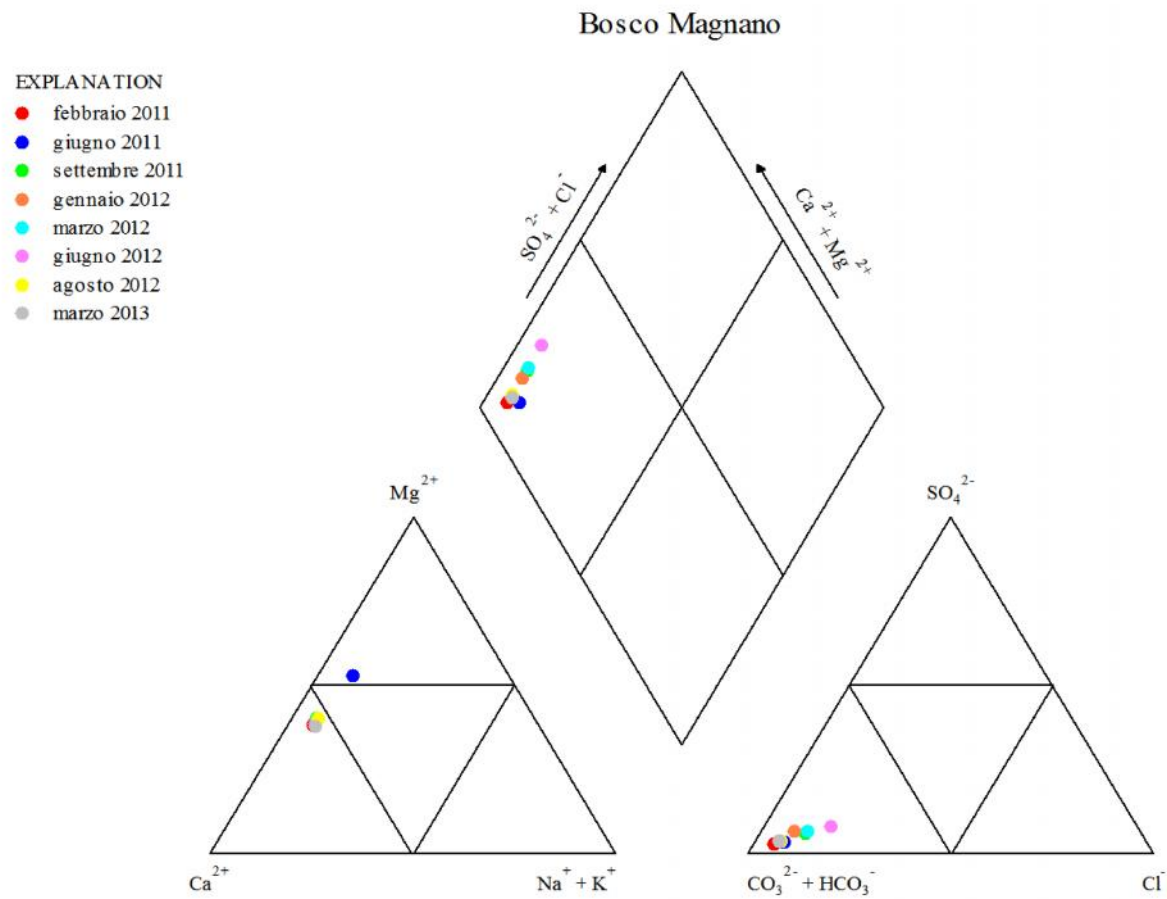


Diagramma 6 – Piper diagram della fontana Bosco Magnano (San Severino Lucano).

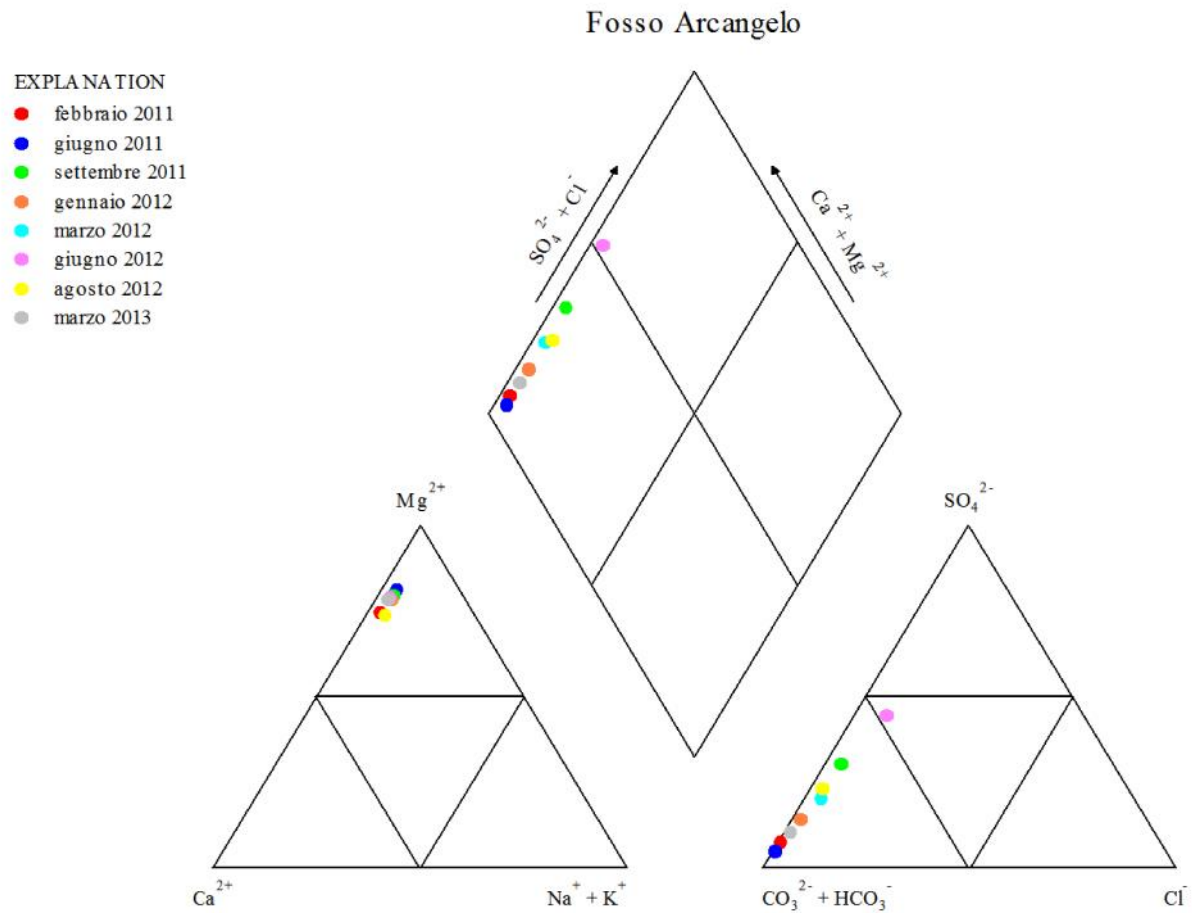


Diagramma 7 – Piper diagram della sorgente Fosso Arcangelo (San Severino Lucano).

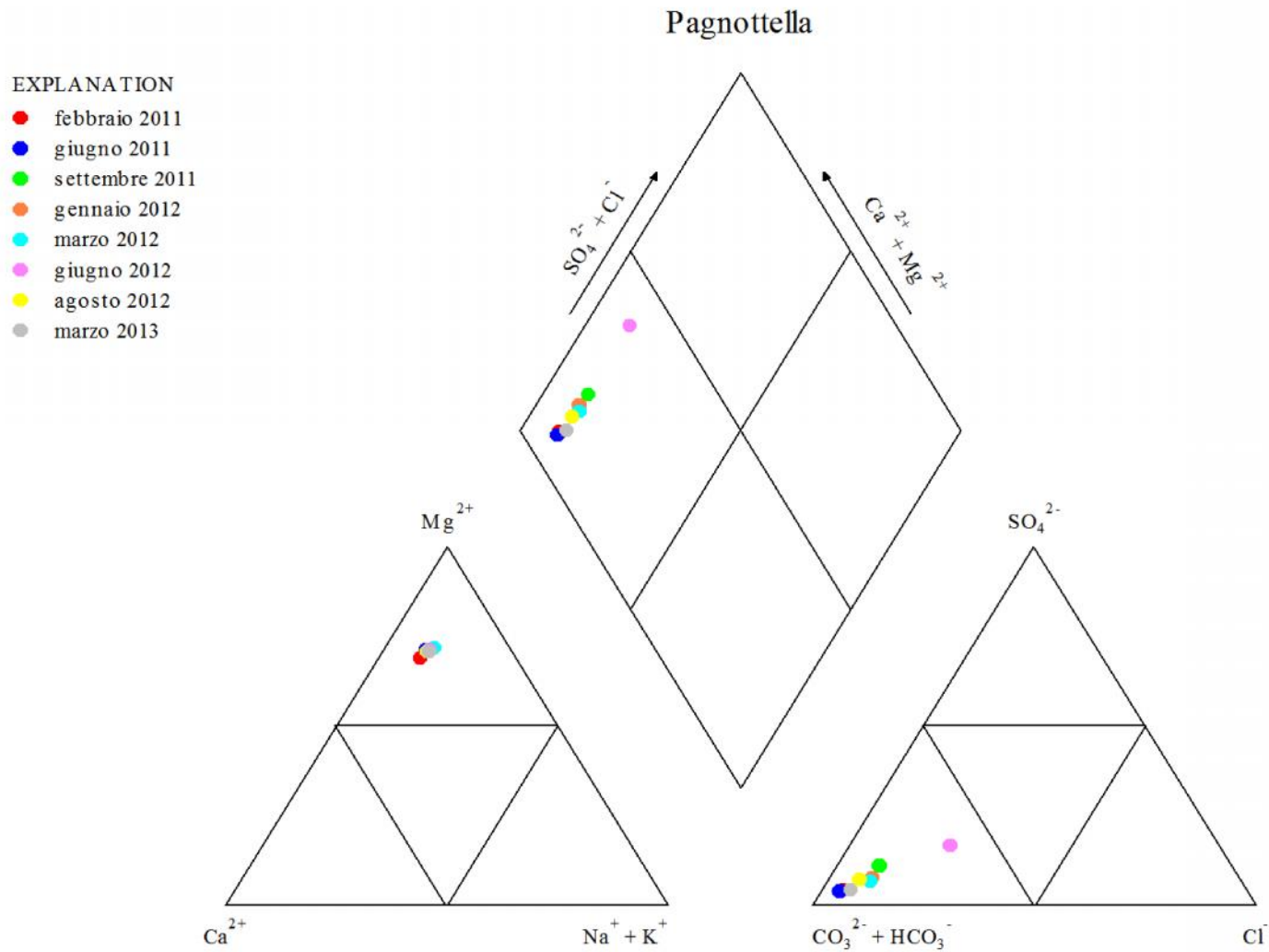


Diagramma 8 – Piper diagram della sorgente Pagnottella (San Severino Lucano).

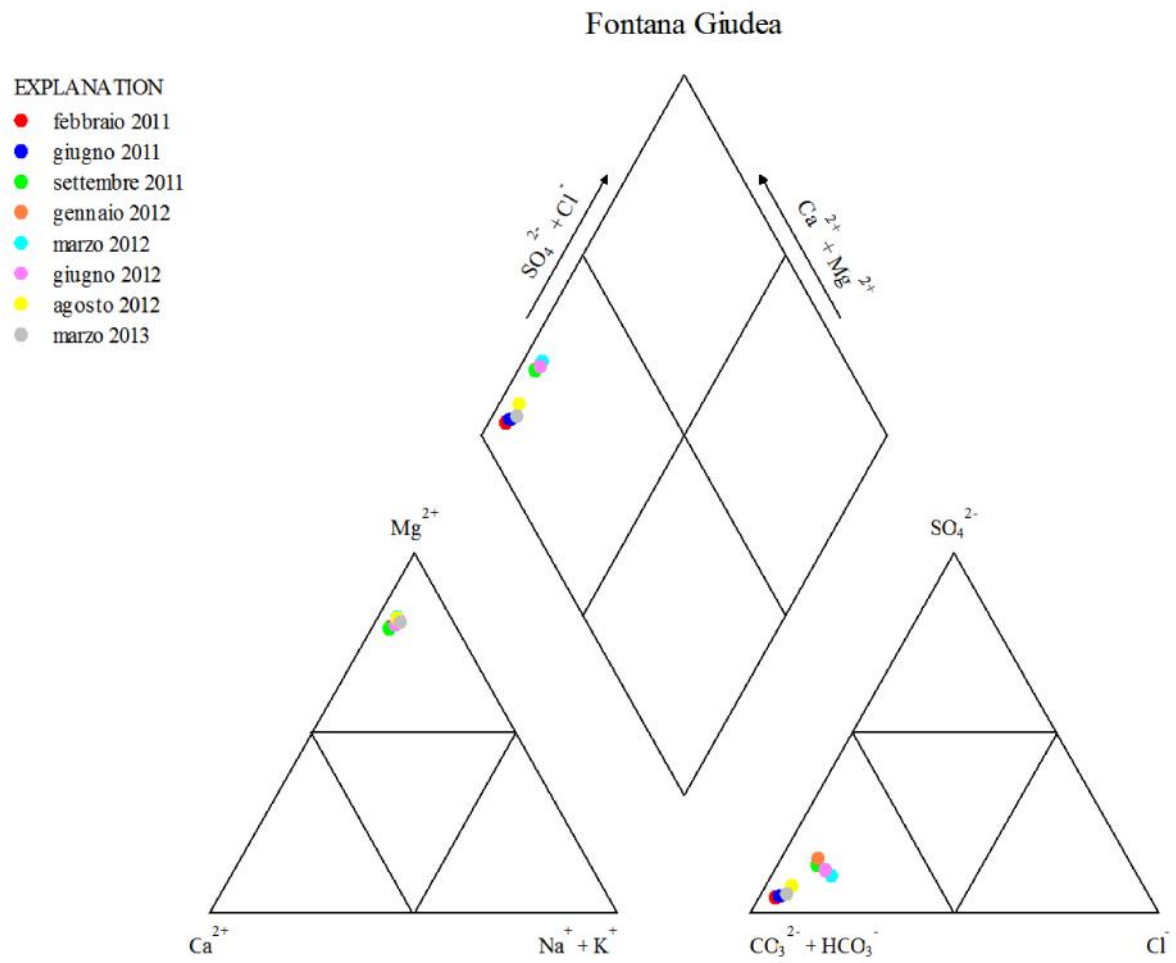


Diagramma 9 – Piper diagram della fontana Giudea (San Severino Lucano).

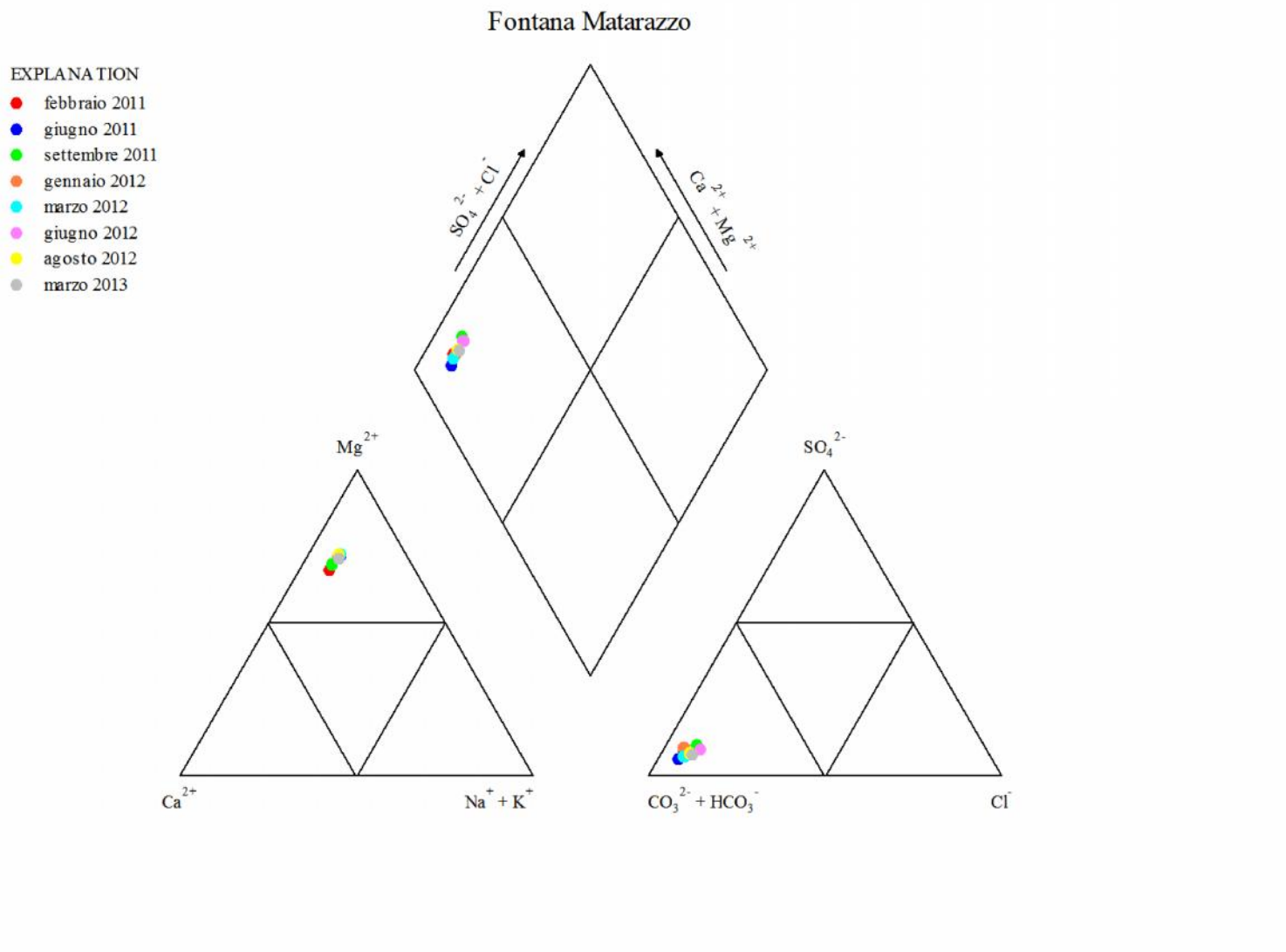


Diagramma 11 – Piper diagram della fontana Matarazzo (San Severino Lucano).

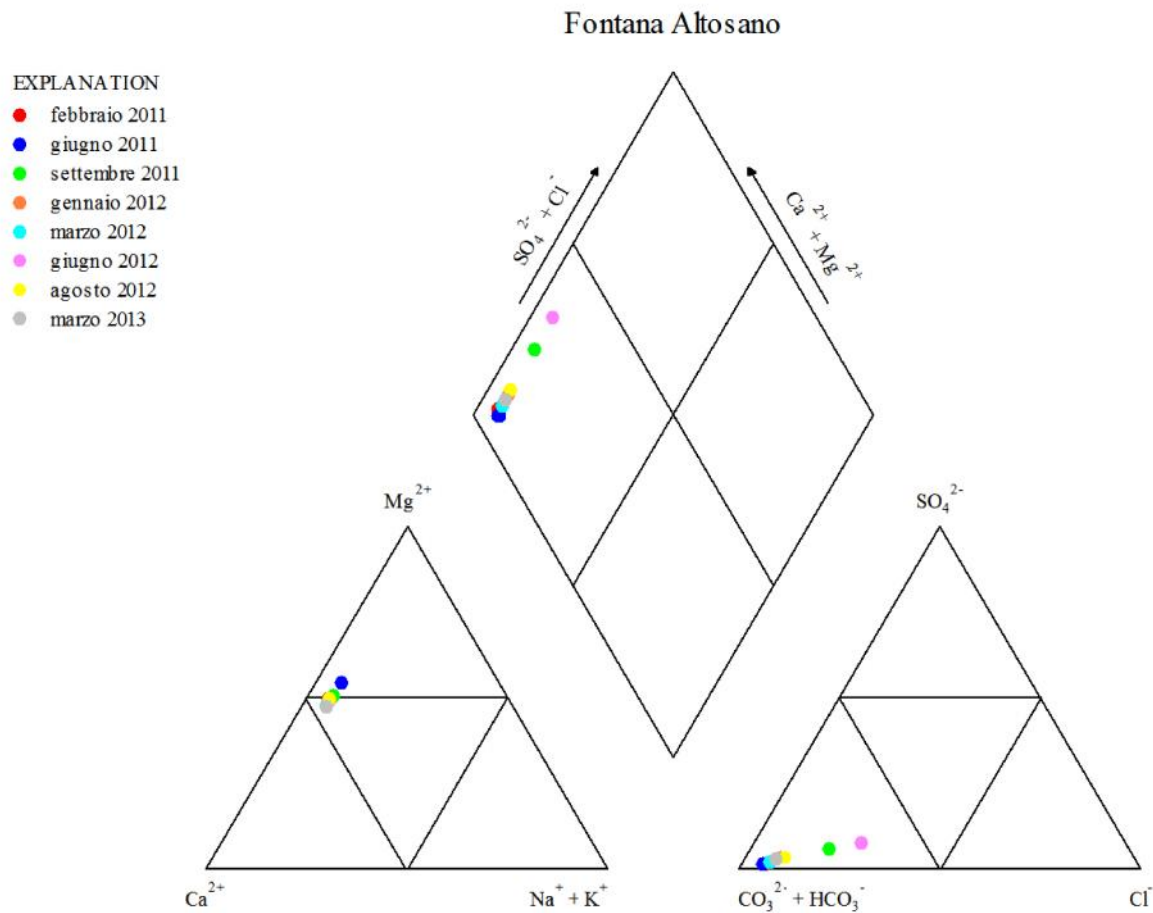


Diagramma 12 – Piper diagram della fontana Altosano (Francavilla in Sinni).

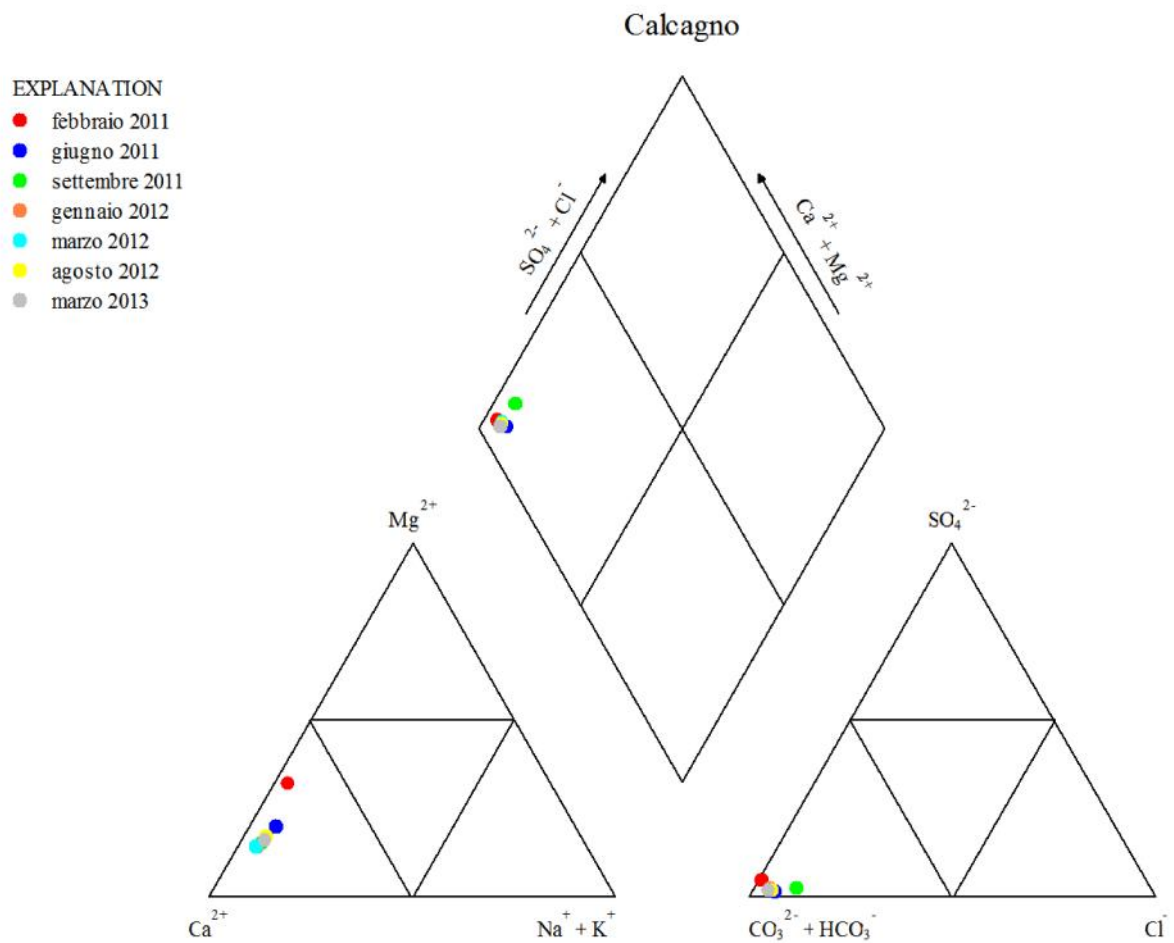


Diagramma 13 – Piper diagram della sorgente Calcagno (Latronico).

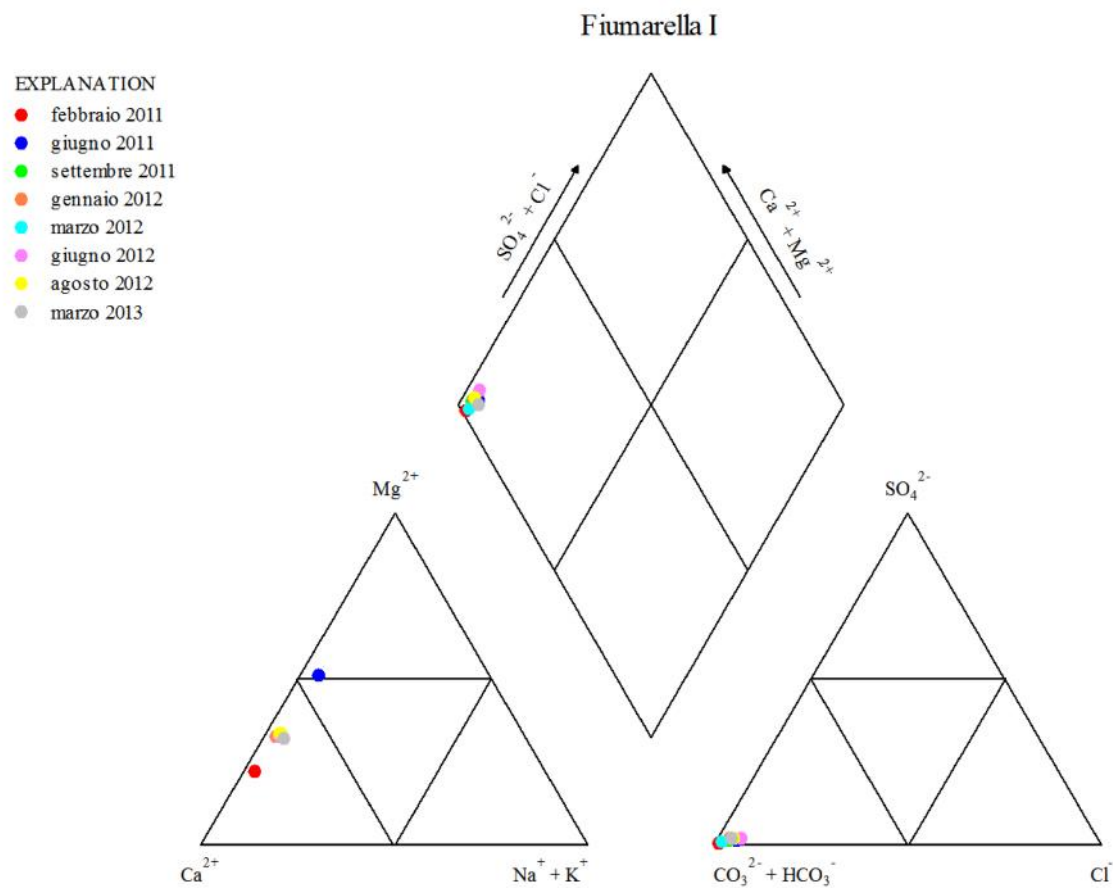


Diagramma 14 – Piper diagram della sorgente Fiumarella I (Castelluccio Superiore).

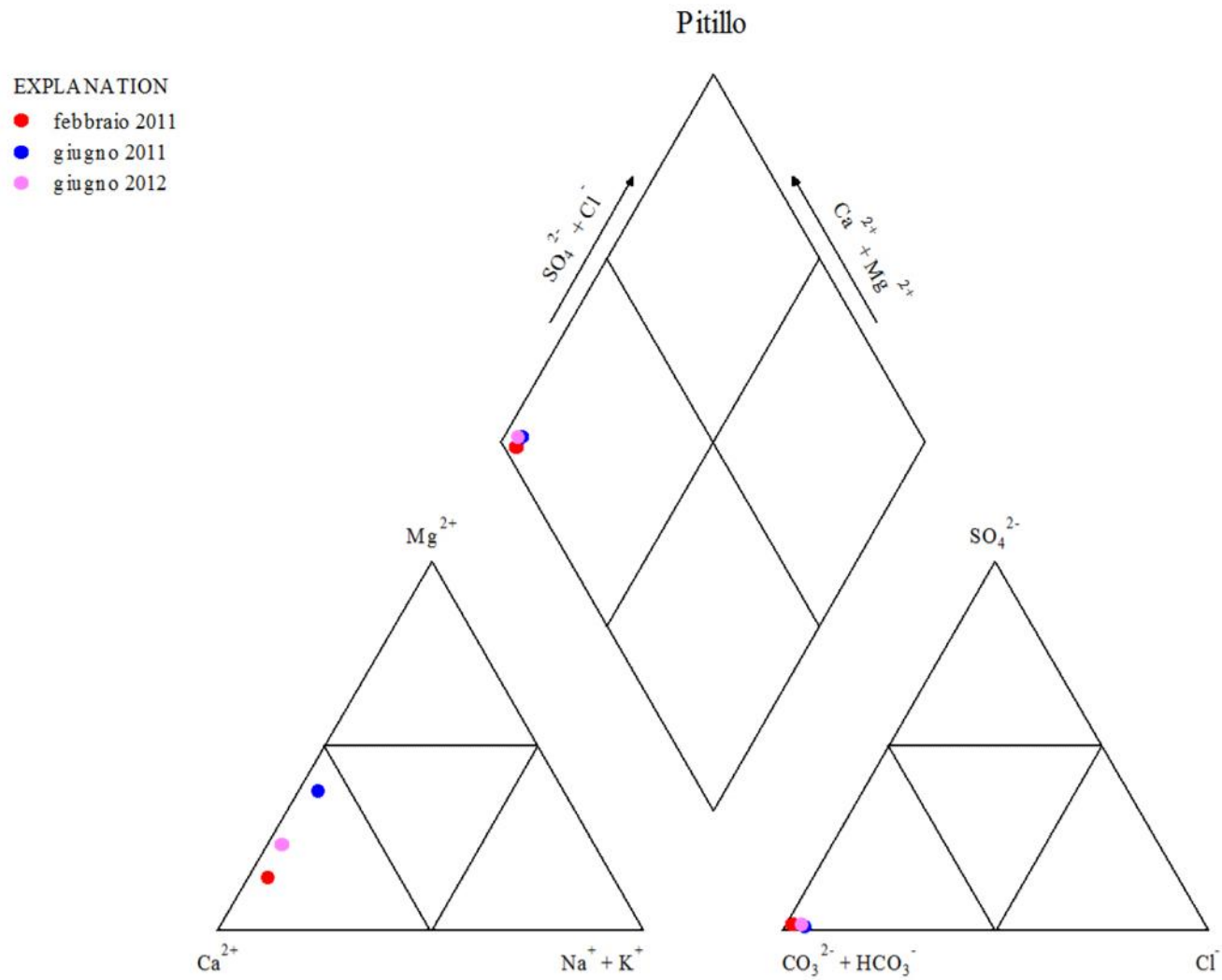


Diagramma 15 – Piper diagram della sorgente Pitillo (Castelluccio Superiore).

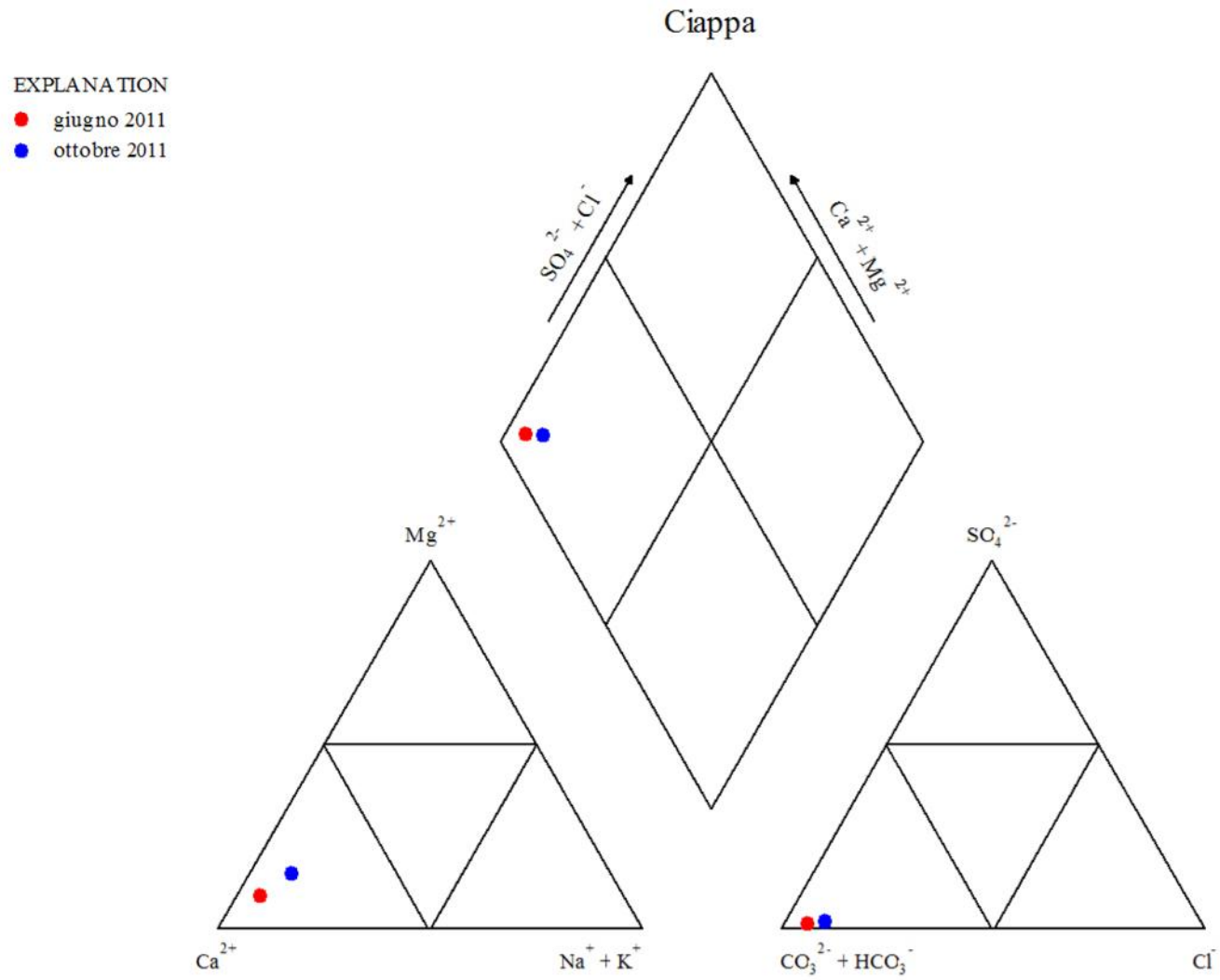


Diagramma 16 – Piper diagram della sorgente Ciappa (Noepoli).

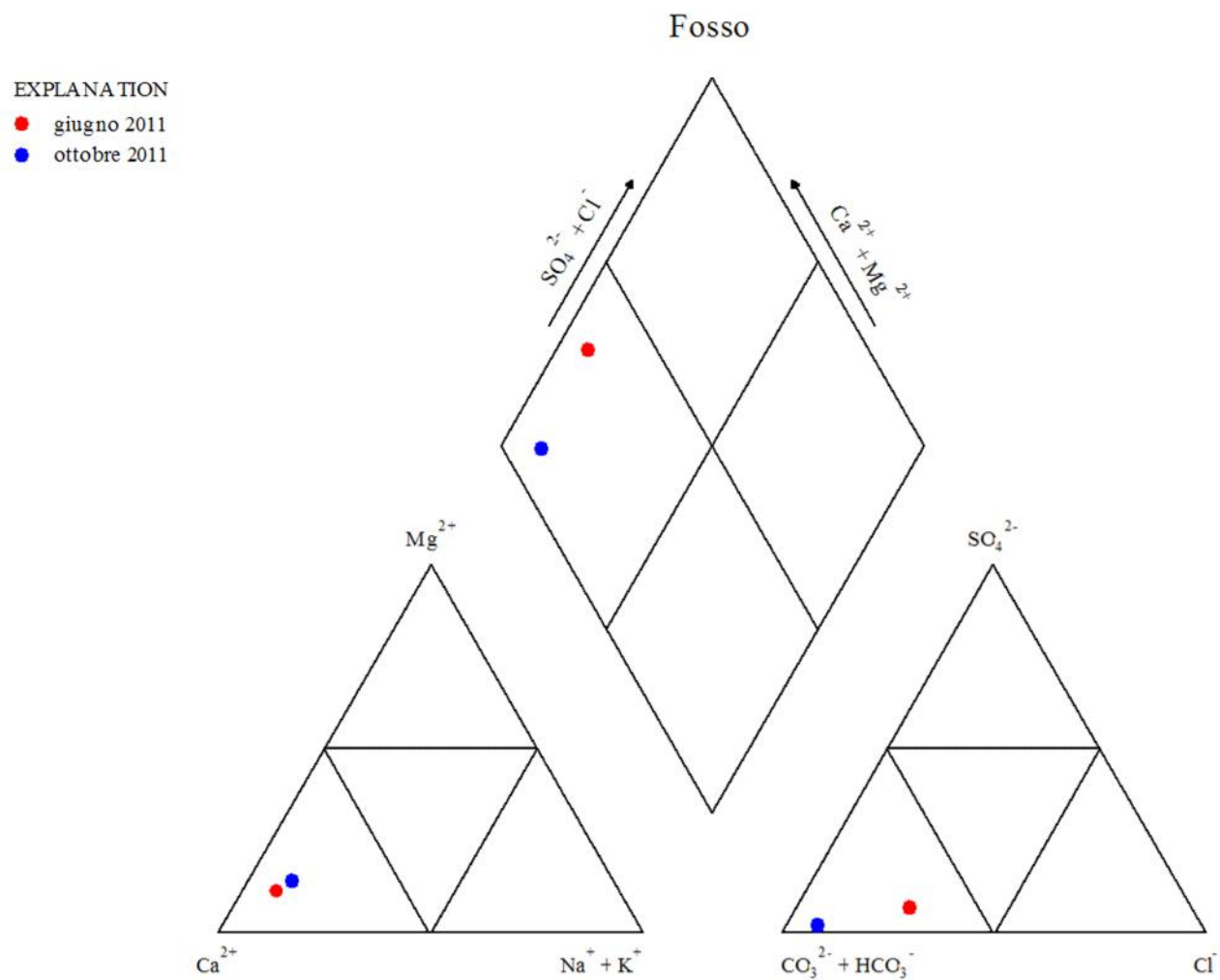


Diagramma 17 – Piper diagram della sorgente Fosso (Noepoli).

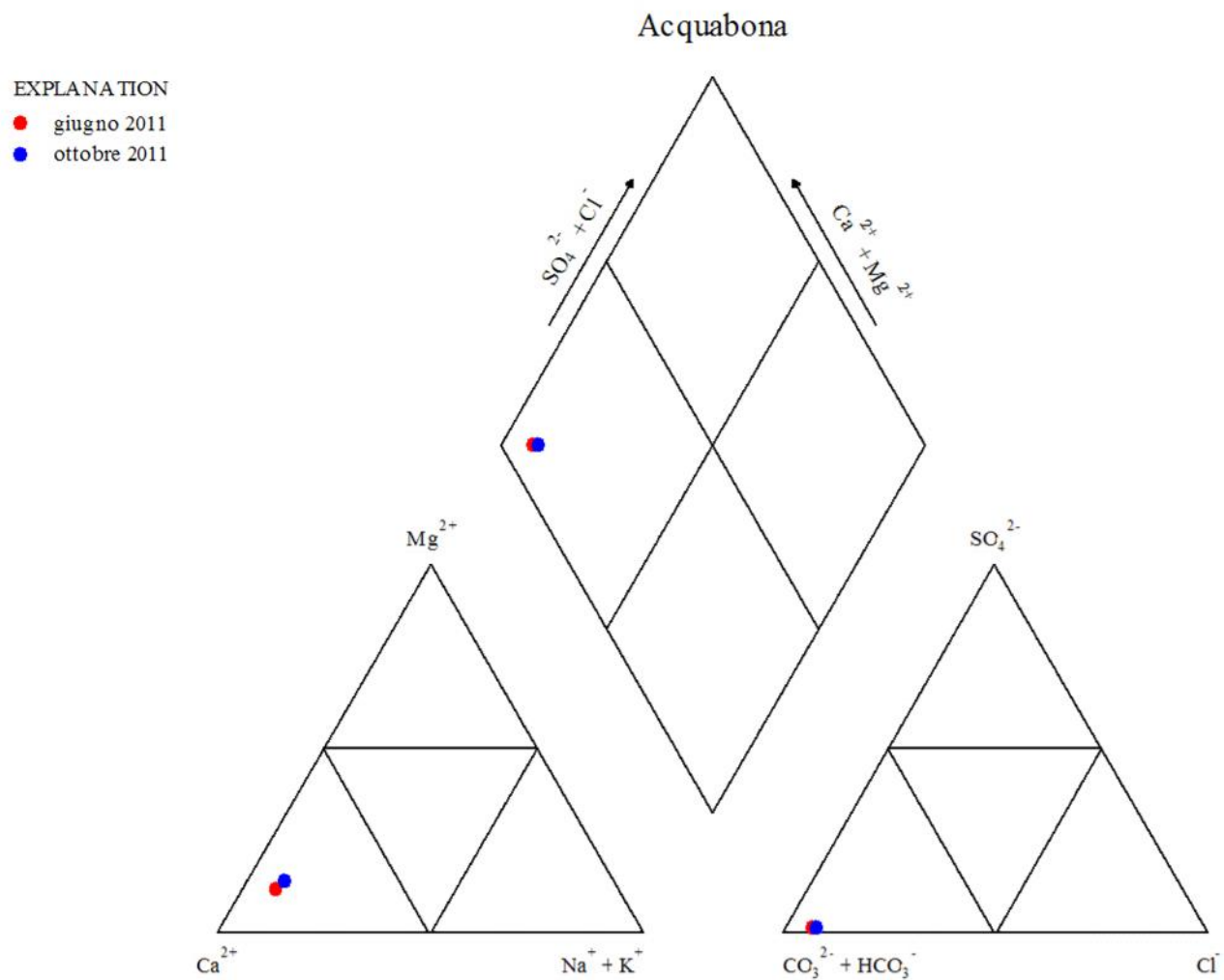


Diagramma 18 – Piper diagram della sorgente Acqua Bona (Noepoli).

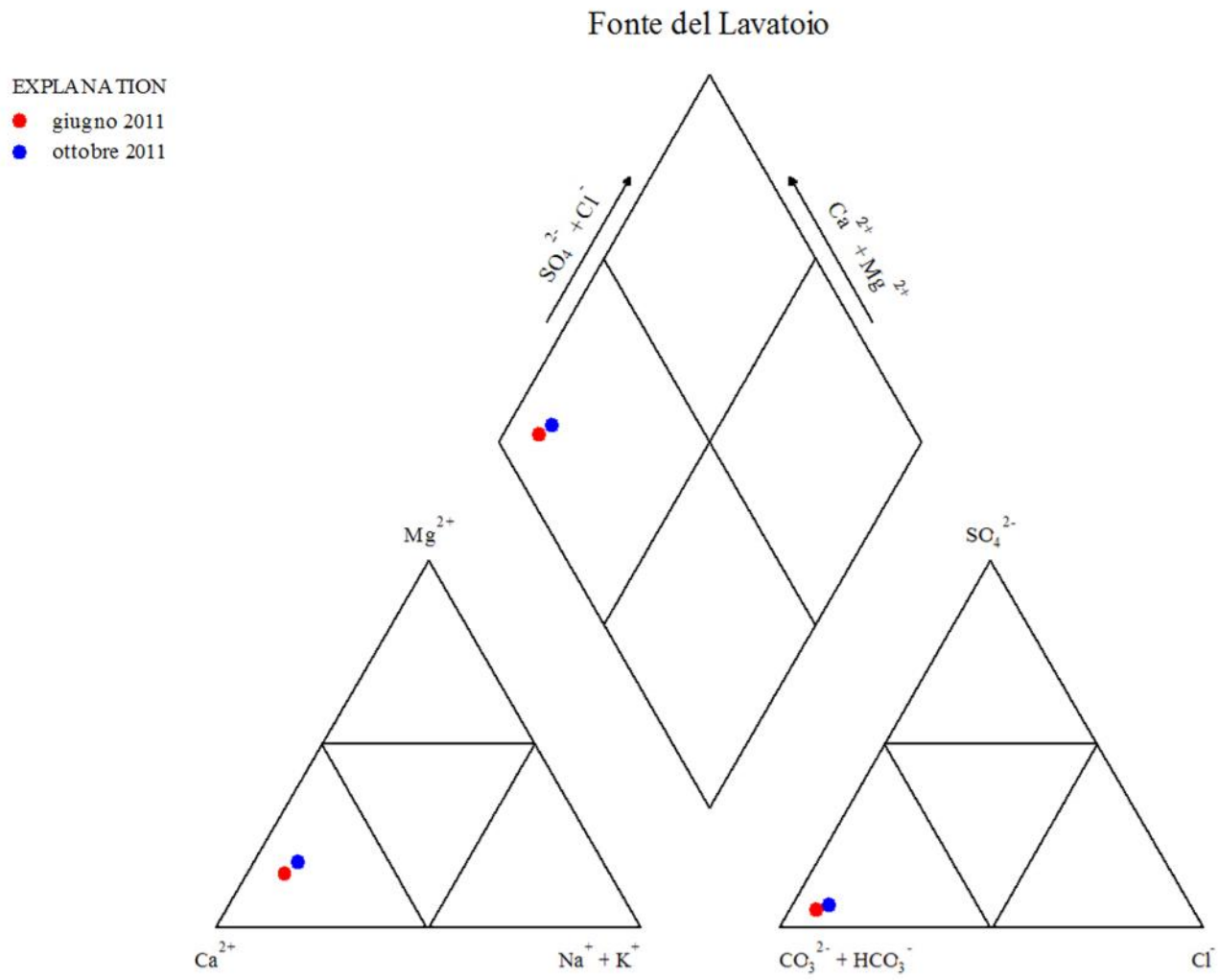


Diagramma 19 – Piper diagram della Fonte del Lavatoio (San Costantino Albanese).

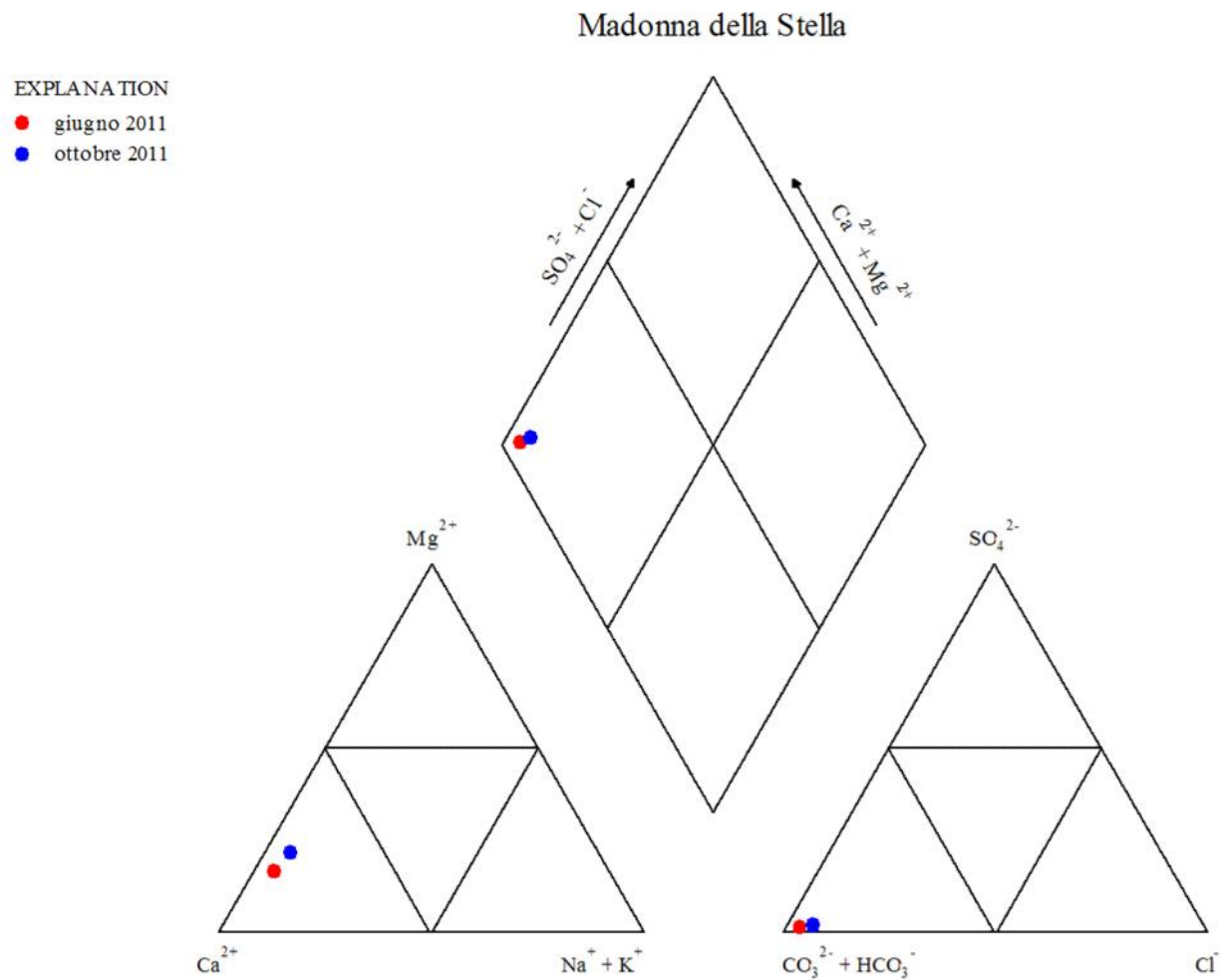


Diagramma 20 – Piper diagram della fontana Madonna della Stella (San Costantino Albanese).

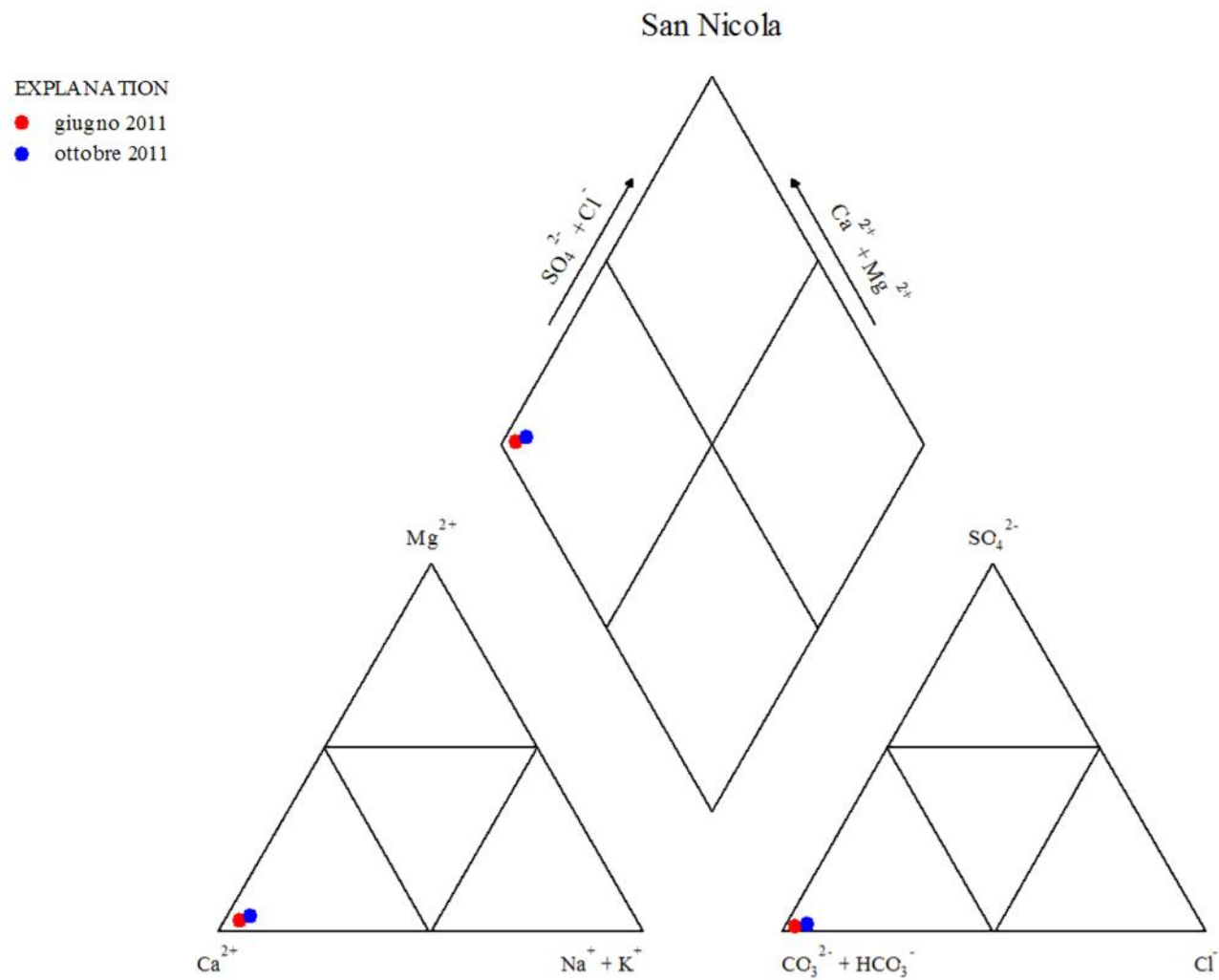


Diagramma 21 – Piper diagram della sorgente San Nicola (San Costantino Albanese).

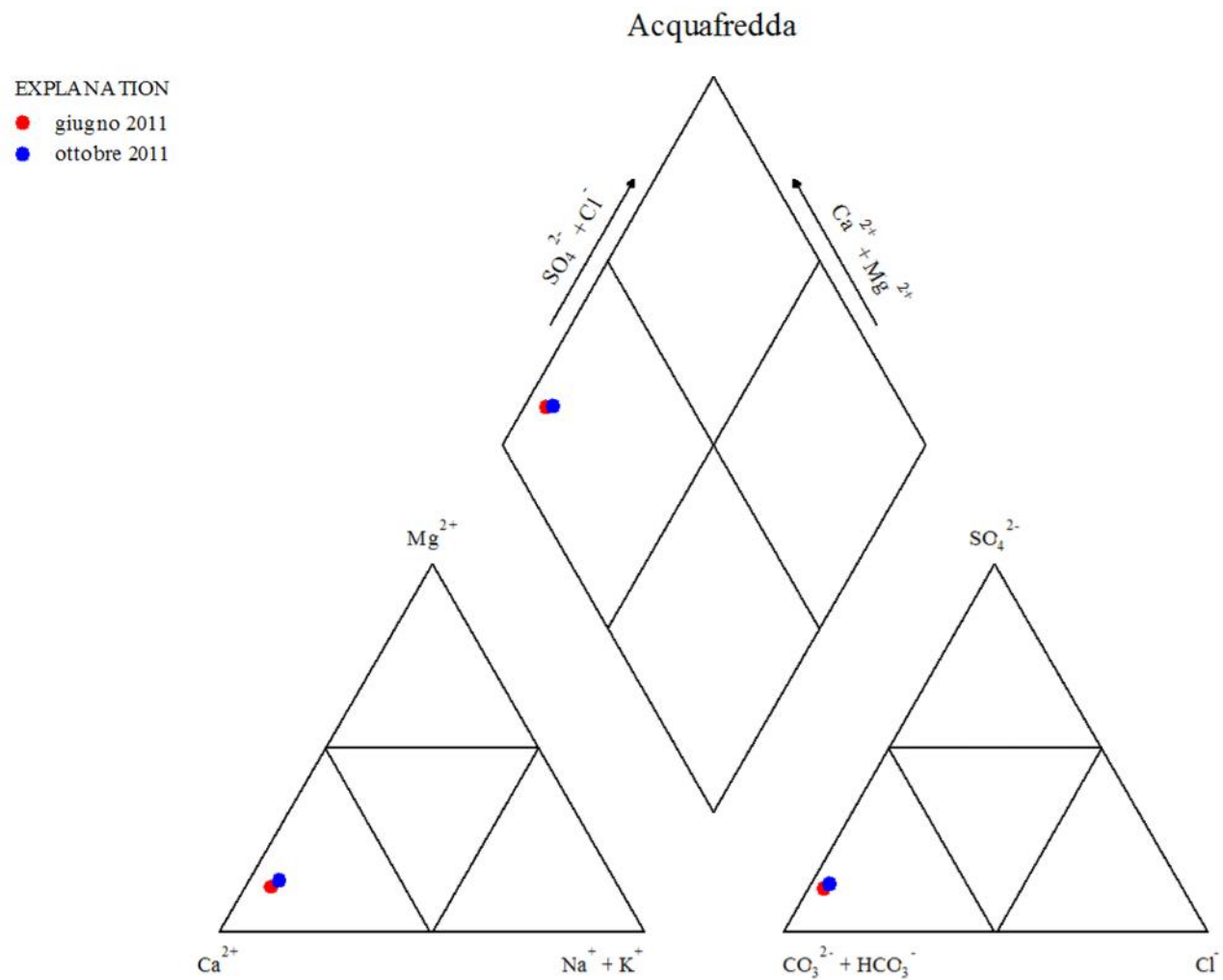


Diagramma 22 – Piper diagram della sorgente Acquafredda (San Costantino Albanese).

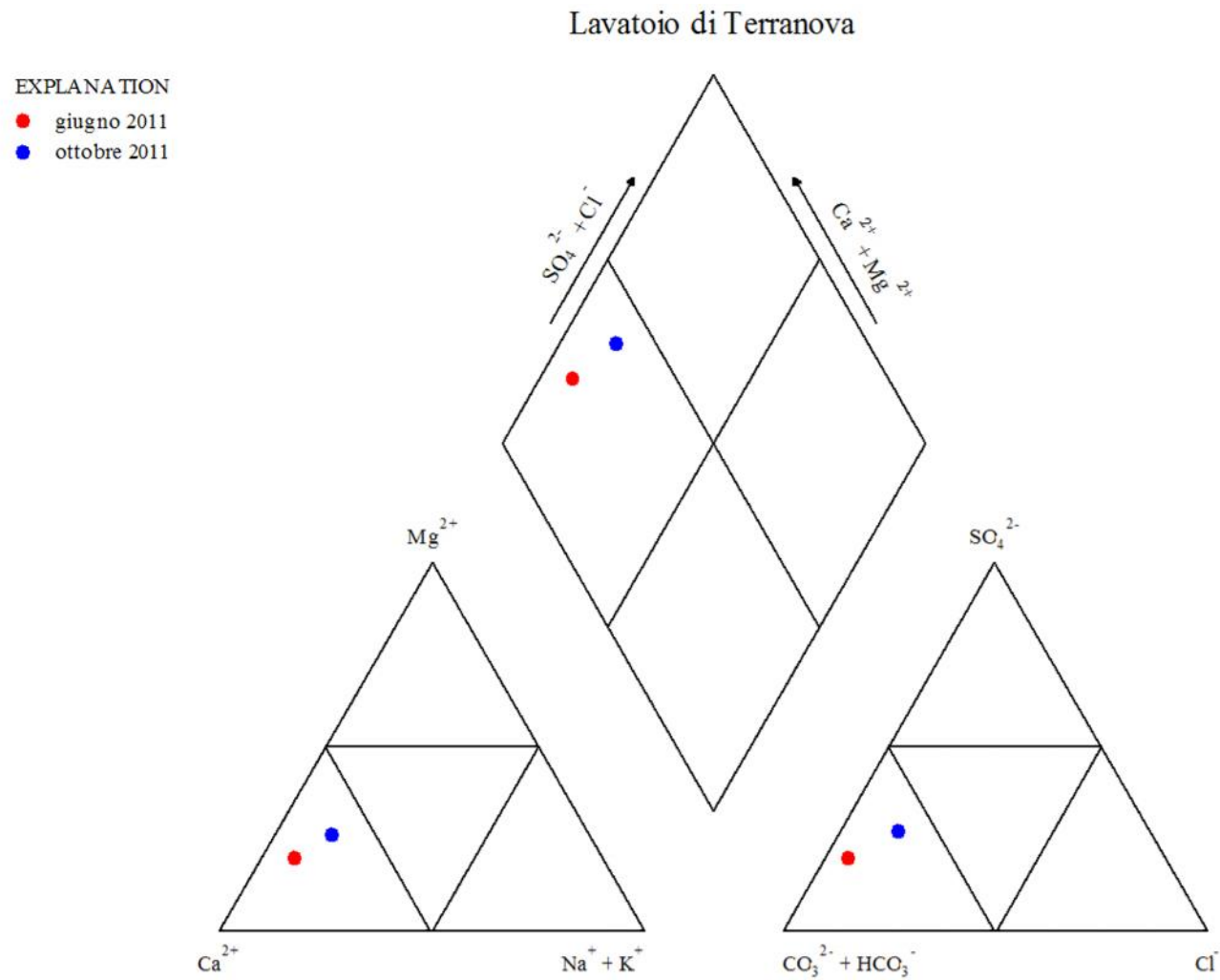


Diagramma 23 – Piper diagram della sorgente Lavatoio (Terranova del Pollino).

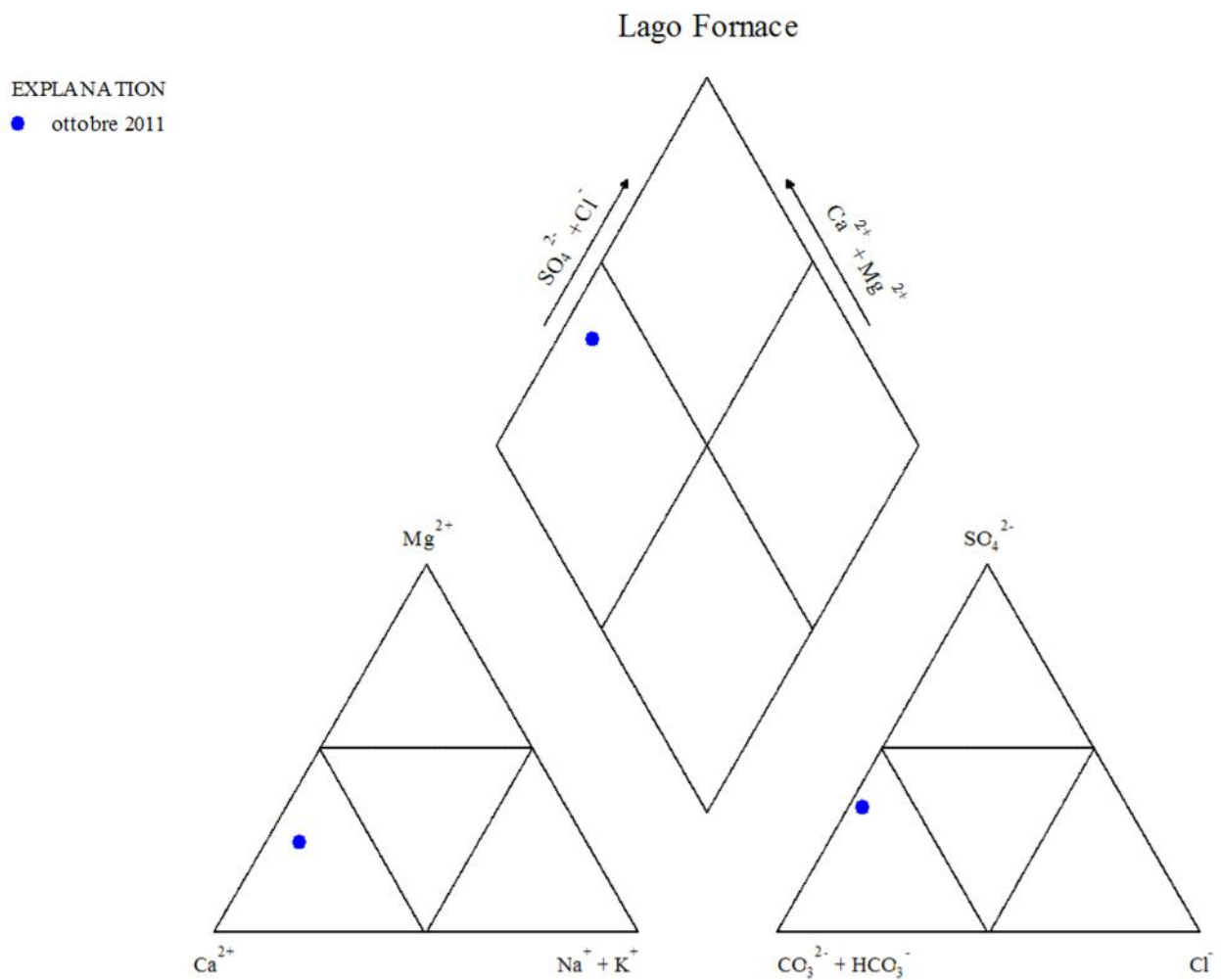


Diagramma 24 – Piper diagram della sorgente Lago Fornace (Terranova del Pollino).

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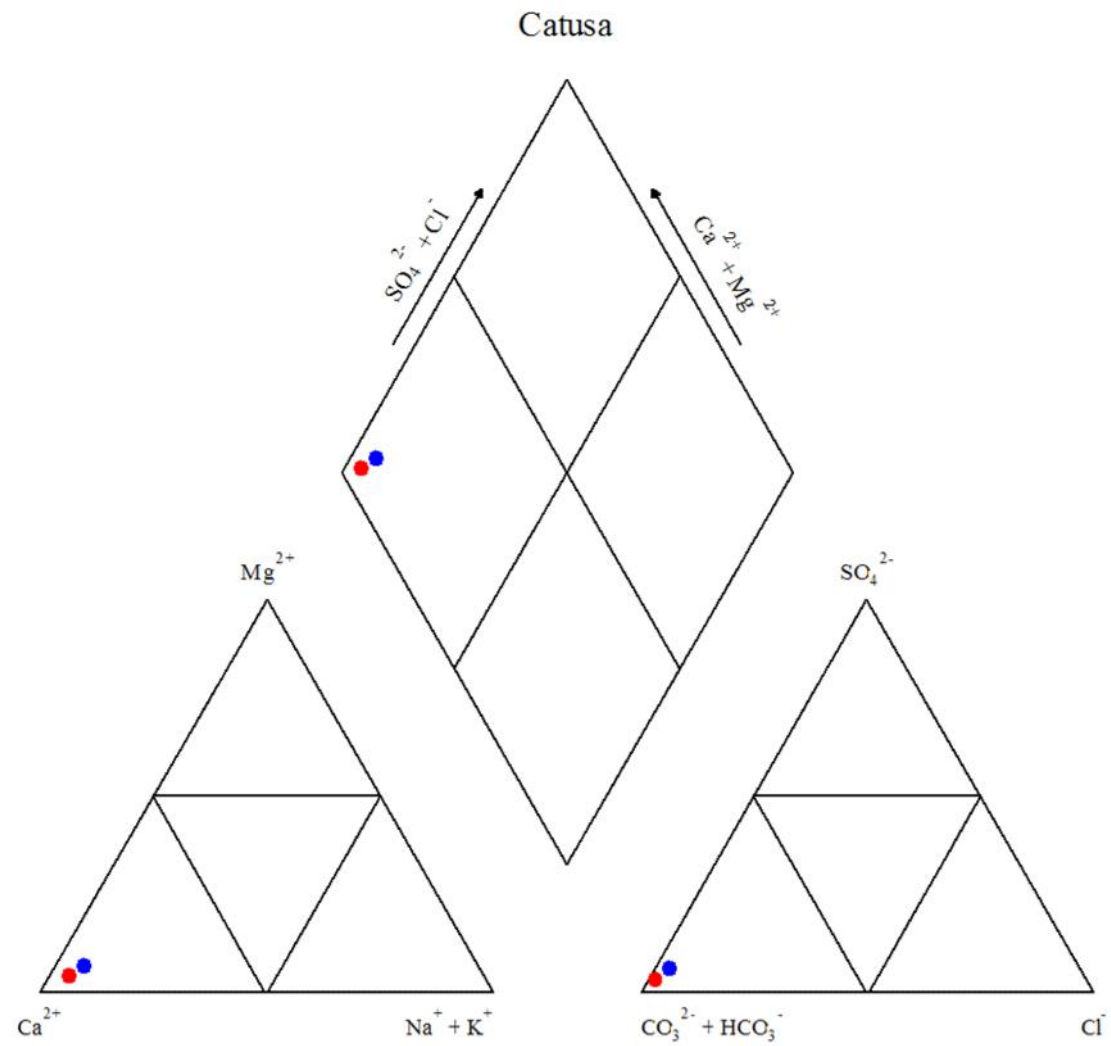


Diagramma 25 – Piper diagram della sorgente Catusa (Terranova del Pollino).

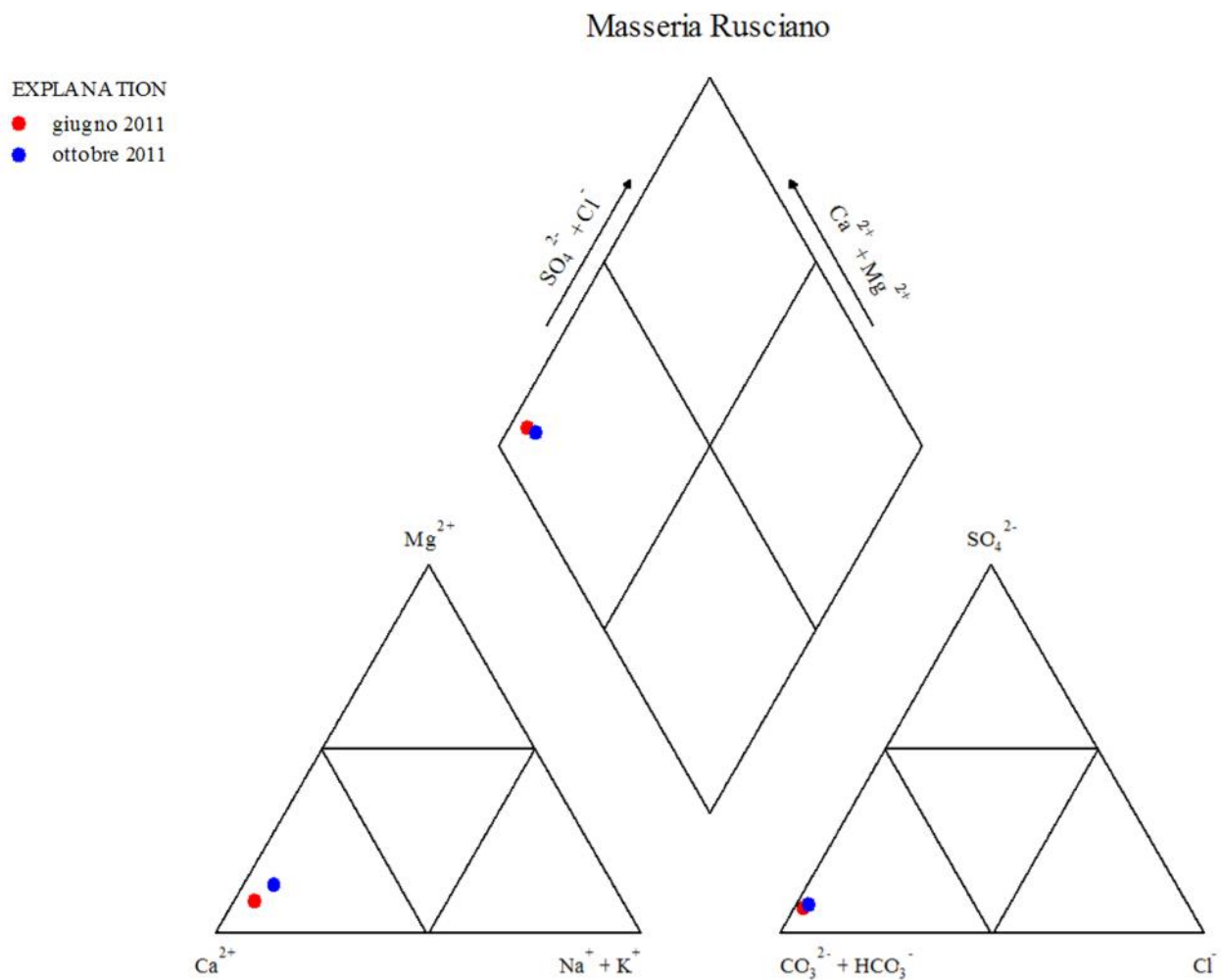


Diagramma 25 – Piper diagram della sorgente Masseria Rusciano (Terranova del Pollino).

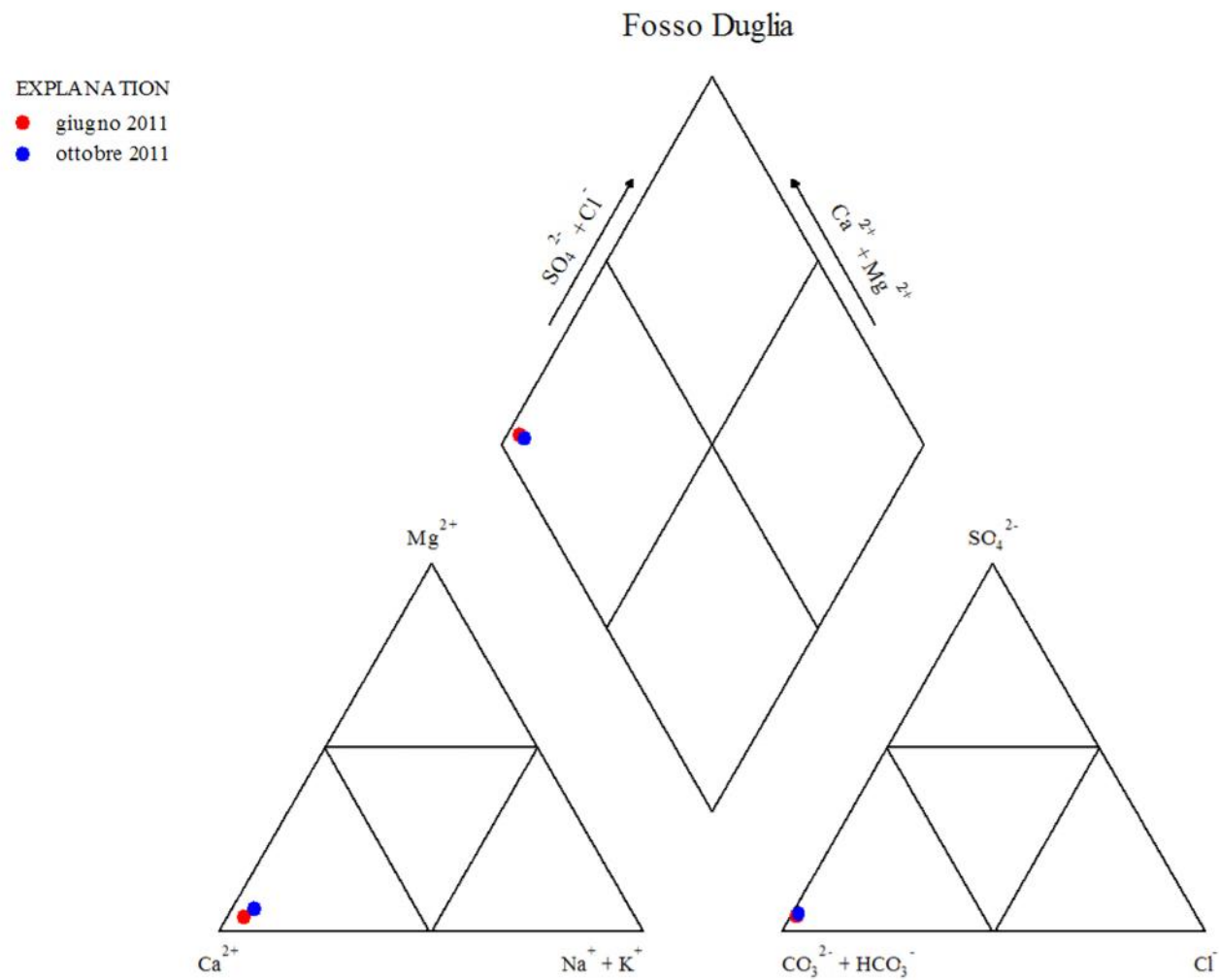


Diagramma 26 – Piper diagram del Fosso Duglia (Terranova del Pollino).

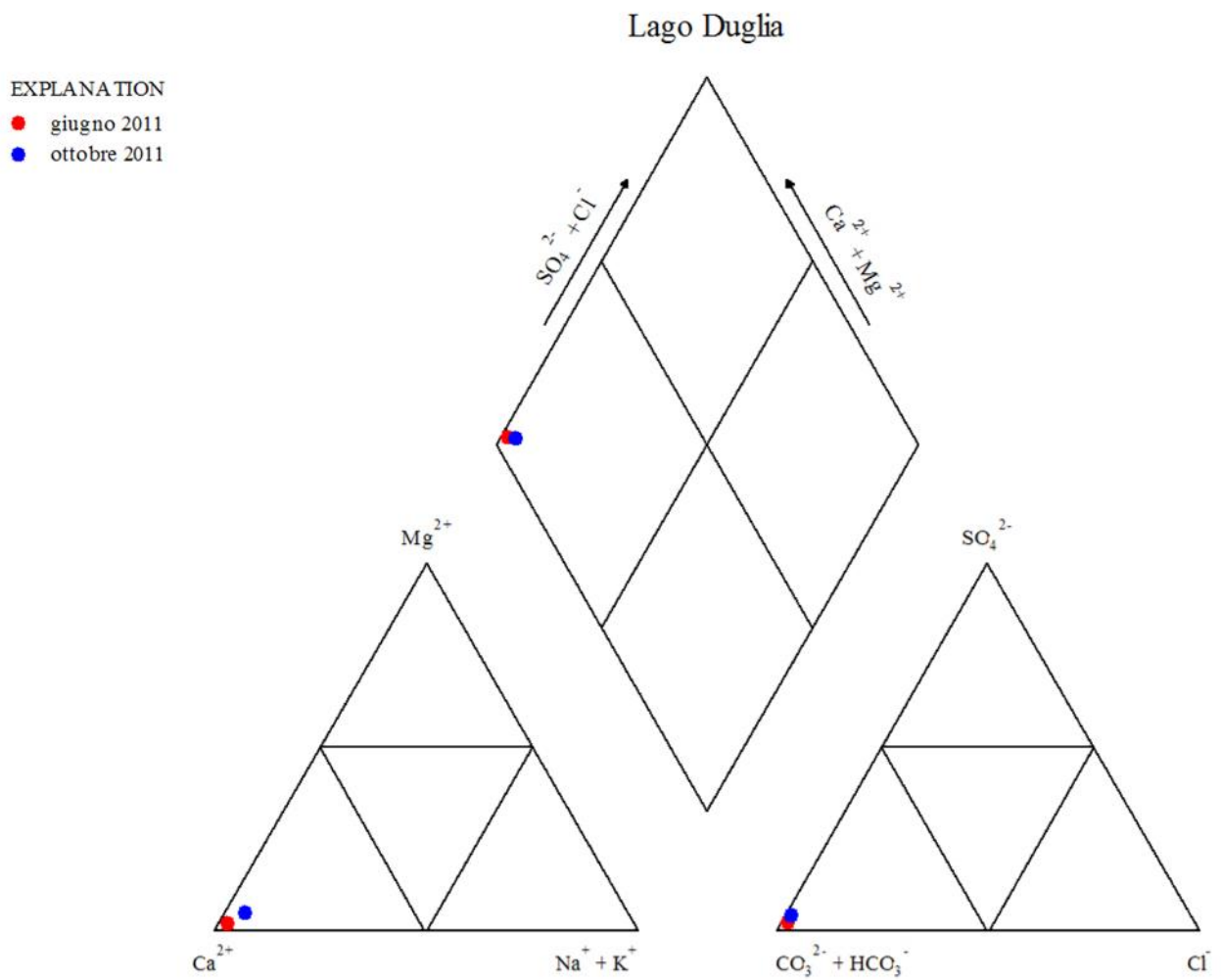


Diagramma 27 – Piper diagram della fontana Lago Duglia (Terranova del Pollino).

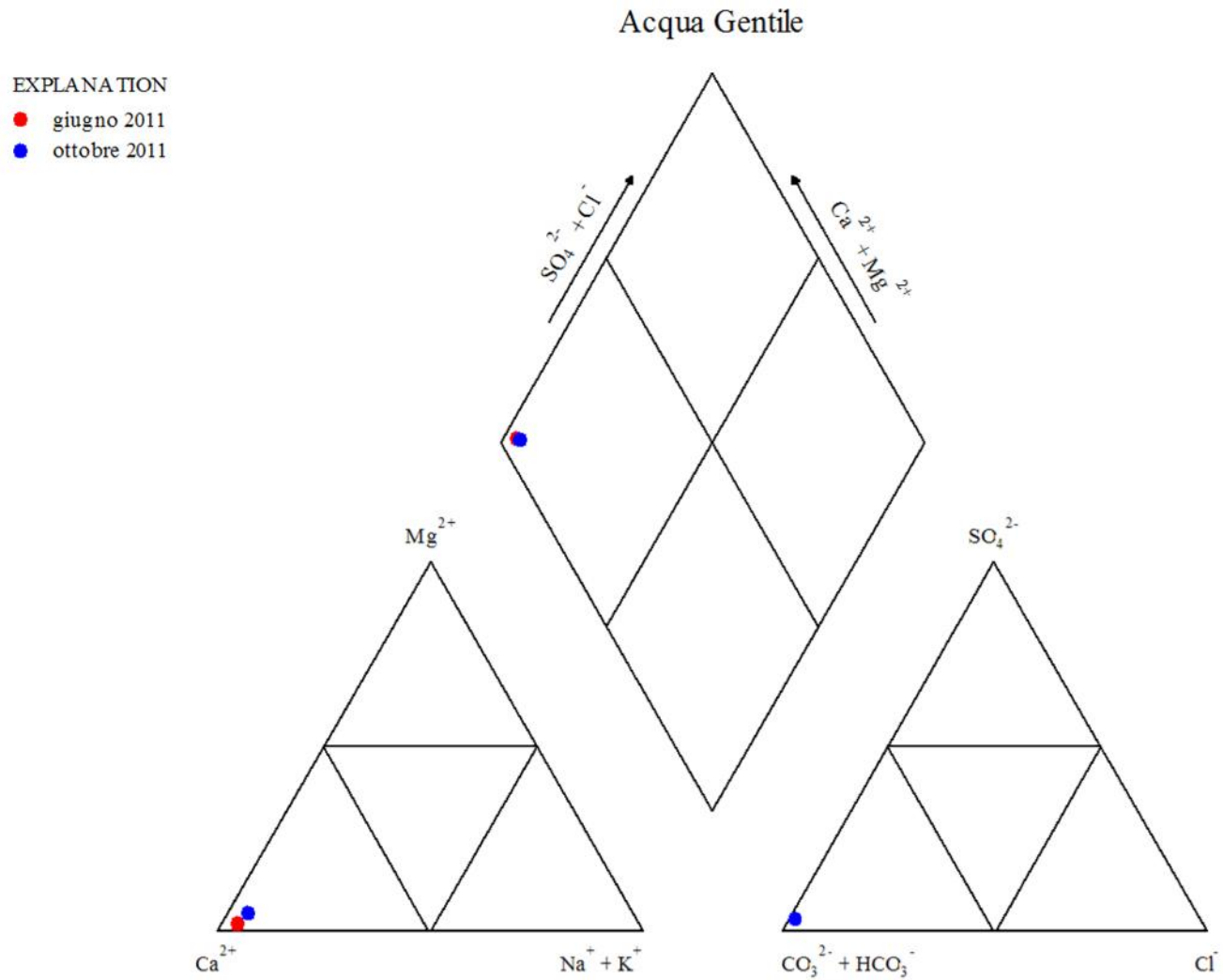


Diagramma 28 – Piper diagram della fontana Acquagentile (Terranova del Pollino).

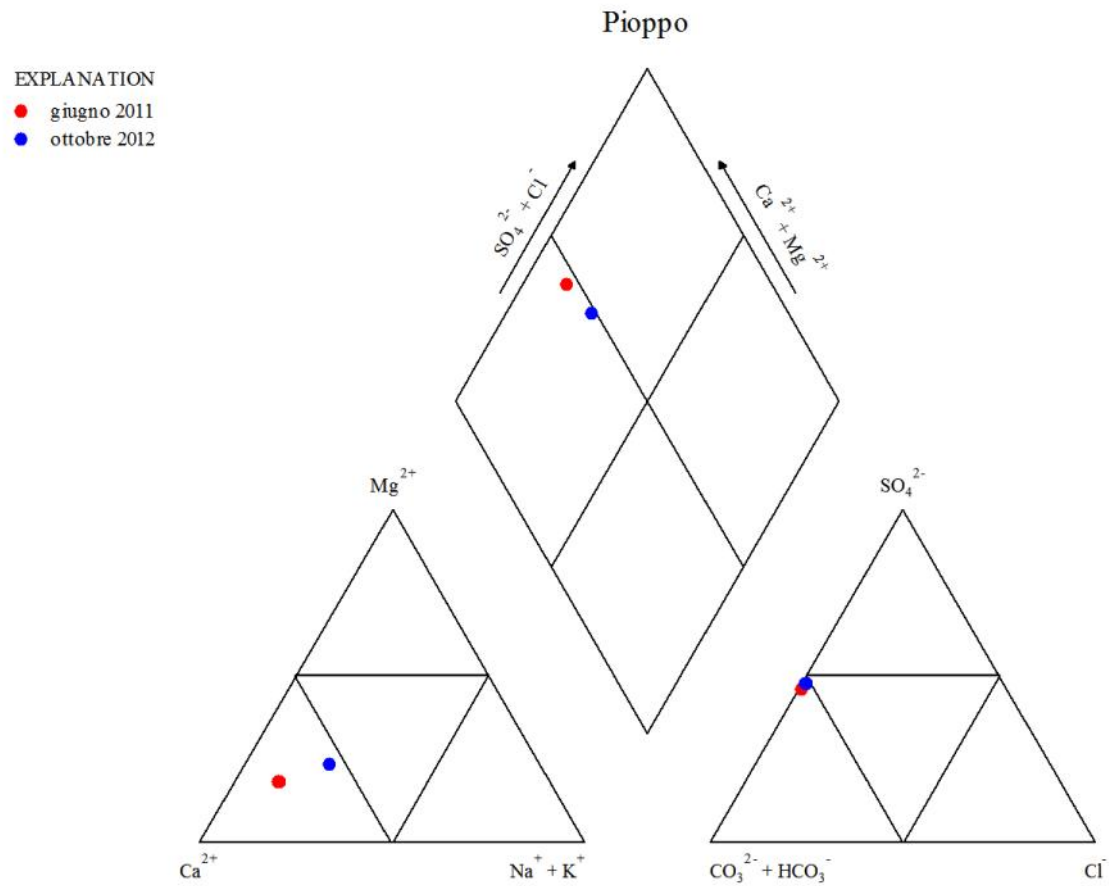


Diagramma 29 – Piper diagram della sorgente Pioppo (Terranova del Pollino).

EXPLANATION

● giugno 2011

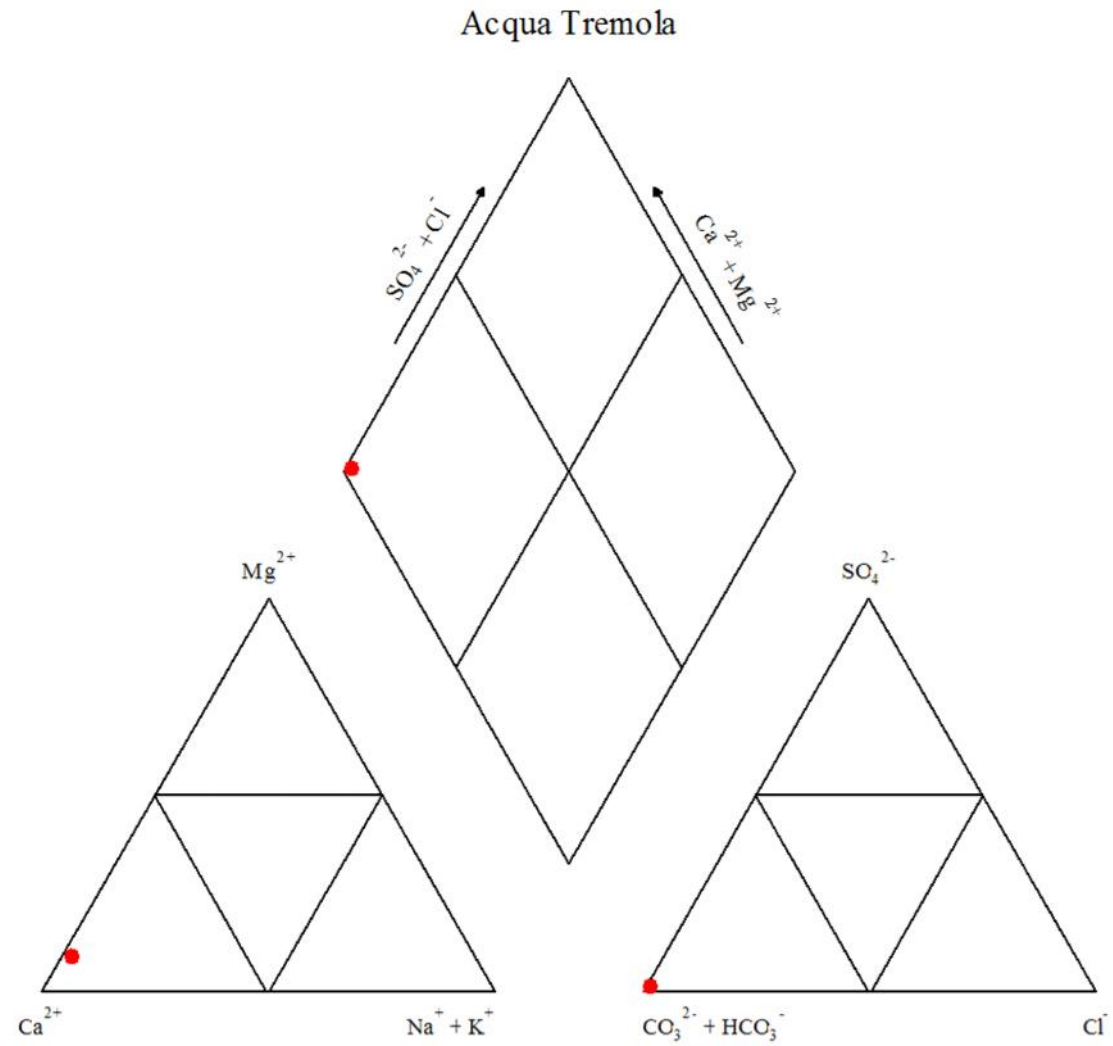


Diagramma 30 – Piper diagram della fontana Acqua Tremola.