

SUPPLEMENTAL MATERIAL 3: SAMPLING OF BRYOPHYTES

BRYOPHYTES IN LIGURIAN 4090 HABITAT: ENDEMIC ORO-MEDITERRANEAN HEATHS WITH GORSE (*GENISTA DESOLEANA*)

Gabriele Berta^{1*}, Claudia Turcato², Giuseppina Barberis¹, Davide Dagnino¹

¹ Department of Earth, Environment and Life Sciences (DISTAV), Genoa University, Viale Benedetto XV, 16132 Genova, Italy.

²Ce.S.Bi.N. s.r.l., Via San Vincenzo 2 - 20th floor, 16121 Genova, Italy

*Correspondence: gabrieleberta95@gmail.com

The results of the application of our new sampling method for Bryophytes are here presented. We applied our method in three Ligurian *Genista desoleana* hedhehog-heaths sites. Site 1: Masso (Castiglione Chiavarese), 44.270109; 9.492761. Site 2: Monte Croce dei Tozzi, W side (Casarza Ligure), 44.263086; 9.467245. Site 3: Monte Croce dei Tozzi, W side (Casarza Ligure), 44.263400; 9.474050. Coordinates are expressed in WGS84 EPSG:4326.

Site 1						
ROW	SAMPLED SPECIES	Exposed soil	Soil covered by vegetation or rocks	Exposed rocks	Rocks covered by vegetation	Wood covered by vegetation
1	<i>Cephaloziella divaricata</i> (Sm.) Schiffn. var. <i>divaricata</i>		x			
1	<i>Cephaloziella divaricata</i> (Sm.) Schiffn. var. <i>divaricata</i>		x			
1	<i>Bryum sp.</i>	x				
2	<i>Hypnum cupressiforme</i> Hedw. var. <i>cupressiforme</i>					x
2	<i>Hypnum cupressiforme</i> Hedw. var. <i>cupressiforme</i>					x
2	<i>Cephaloziella divaricata</i> (Sm.) Schiffn. var. <i>divaricata</i>		x			
3	<i>Bryum sp.</i>	x				
3	<i>Cephaloziella divaricata</i> (Sm.) Schiffn. var. <i>divaricata</i>		x			
3	<i>Bryum sp.</i>		x			
3	<i>Hypnum cupressiforme</i> Hedw. var. <i>cupressiforme</i>		x			
3	<i>Dicranum scoparium</i> Hedw.		x			
3	<i>Hypnum cupressiforme</i> Hedw. var. <i>cupressiforme</i>					x
4	<i>Bryum sp.</i>		x			
5	<i>Bryum sp.</i>		x			
5	<i>Bryum sp.</i>		x			

Tab. 1: Sampling of Bryophytes performed in site 1.

Site 1		
Sampled species	Frequency (Ni)	C = (Ni/Ntot)*100
<i>Bryum sp.</i>	6	40%
<i>Hypnum cupressiforme</i> Hedw. var. <i>cupressiforme</i>	4	27%
<i>Cephaloziella divaricata</i> (Sm.) Schiffn. var. <i>divaricata</i>	4	27%
<i>Dicranum scoparium</i> Hedw	1	6%
	Ntot = 15	

Tab. 2: Frequency and coverage of the Bryophytes sampled in site 1.

Site 2

ROW	SAMPLED SPECIES	Exposed soil	Soil covered by vegetation or rocks	Exposed rocks	Rocks covered by vegetation	Wood covered by vegetation
1	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>		x			
1	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>		x			
1	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>	x				
1	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>		x			
2	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>	x				
2	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>			x		
2	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>	x				
2	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>		x			
3	<i>Grimmia trichophylla</i> Grev			x		
4	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>		x			
4	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>		x			
5	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>		x			

Tab. 3: Sampling of Bryophytes performed in site 2.

Site 2		
Sampled species	Frequency (Ni)	C = (Ni/Ntot)*100
<i>Weissia controversa</i> Hedw. var. <i>controversa</i>	11	91,7%
<i>Grimmia trichophylla</i> Grev	1	8,3%
	Ntot = 12	

Tab. 4: Frequency and coverage of the Bryophytes sampled in site 2.

Site 3						
ROW	SAMPLED SPECIES	Exposed soil	Soil covered by vegetation or rocks	Exposed rocks	Rocks covered by vegetation	Wood covered by vegetation
2	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>		x			
2	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>		x			
3	<i>Grimmia trichophylla</i> Grev			x		
3	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>		x			
4	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>	x				
4	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>		x			
4	<i>Weissia controversa</i> Hedw. var. <i>controversa</i>		x			
5	<i>Fissidens dubius</i> P.Beauv. var. <i>dubius</i>	x				

Tab. 5: Sampling of Bryophytes performed in site 3.

Site 3		
Sampled species	Frequency (Ni)	C = (Ni/Ntot)*100
<i>Weissia controversa</i> Hedw. var. <i>controversa</i>	6	75%
<i>Grimmia trichophylla</i> Grev	1	12,5%
<i>Fissidens dubius</i> P.Beauv. var. <i>dubius</i>	1	12,5%
	Ntot = 8	

Tab. 6: Frequency and coverage of the Bryophytes sampled in site 3.