

Appendix

Species list and population data for the Endalen sites, including soil core (C) and pitfall (P) samples in the OTC experiment and at four stations along the snowmelt transect. Where a species is sufficiently abundant to calculate a meaningful value, mean density m^{-2} or number of animals per pitfall is given. Alternatively, species with sporadic occurrence are indicated by (X) and absence is indicated by (0).

Sample type	OTC experiment				Snowmelt transect			
	OTC C	Control C	OTC P	Control P	1 C	2 C	3 C	4 C
Animals present	Mean density m^{-2}		Mean number per pitfall		Mean density m^{-2}			
Collembola								
<i>Lepidocyrtus lignorum</i>	83	147	33.1	21.4	1500	984	578	583
<i>Isotoma anglicana</i>	178	293	19.8	26.4	376	292	145	180
<i>Hypogastrura tullbergi</i>	976	3770	0.7	1.1	7709	6280	4308	4895
<i>Tetracanthella arctica</i>	22	153	X	X	118	60	125	316
<i>Micranurida pygmaea</i>	0	0	0	0	X	0	0	0
<i>Folsomia quadrioculata</i>	7453	7313	X	X	4732	15670	7249	1958
<i>Folsomia bisetosa</i>	4730	3854	0	0	1723	4534	3901	1588
<i>Oligophura ursi</i>	2202	1826	0	0	1111	1924	1573	1781
<i>Sminthurinus concolor</i>	0	0	0.3	0.3	X	X	X	X
<i>Arrhopalites principalis</i>	0	79	0	0	X	0	0	0
Acarina, Cryptostigmata								
<i>Diapterobates notatus</i>	543	779	X	X	1364	2629	1900	2098
<i>Camisia anomia</i>	276	244	X	X	786	563	367	2033
<i>Hermannia reticulata</i>	X	96	0.4	X	210	60	60	322
<i>Tectocephus velatus</i>	X	X	0	X	X	X	0	0
<i>Opiella nova</i>	X	1321	0	X	2352	2215	1785	1167
Acarina Gamasida	579	X	3.9	1.4	534	767	407	375
Acarina Prostigmata	1559	1882	24.6	17.5	5012	4476	2410	3689
Areneae (mainly juveniles)	0	X	10.0	8.2	87	125	0	X
Enchytraeidae	1749	371	0	0	1345	849	332	42
Hymenoptera Parasitica								
<i>Dendrocerus bifoveatus</i>	0	0	0.2	0.4	0	0	0	0
<i>Alloxysta</i> sp.	0	0	0.5	0.8	0	0	0	0
<i>Aclastus borealis</i>	0	0	0	X	0	0	0	0
<i>Atractodes pusillus</i>	0	0	X	0	0	0	0	0
<i>Plectiscidea hyperborea</i>	0	0	X	X	0	0	0	0
<i>Stenomacrus groenlandicus</i>	0	0	1.0	0.3	0	0	0	0
Hymenoptera Symphyta								
Larvae sp. Indet.	22	72	0	0.9	239	111	145	92
Diptera								
Chironomidae larvae	118	144	X	0	137	216	60	145
Syrphidae larvae	0	X	0	0	X	X	X	X
Hemiptera								
<i>Acyrtosiphon svalbardicum</i>	59	397	2.1	16.6	3287	2105	1390	1388

Coleoptera

Isochnus flagellum

0

0

0.3

0.5

0

0

29

50
