

Appendix 1: UTM EU 89, zone 33 references for the localities:

Homla	N 7033308 E 288570
Sagelva	N 7027667 E 282181
Nidelva	N 7025243 E 272496
Trollabekken	N 7043830 E 265706

Appendix 2: Freshwater invertebrates found in 10 minute kick samples from the four localities.

Locality	Homla					Nidelva					Sagelva					Trollabekken				
Date	14.04.2016	25.05.2016	28.06.2016	06.09.2016	03.11.2016	12.04.2016	26.05.2016	28.06.2016	08.09.2016	03.11.2016	12.04.2016	25.05.2016	27.06.2016	06.09.2016	03.11.2016	14.04.2016	26.05.2016	28.06.2016	08.09.2016	03.11.2016
Turbellaria																1				
Crustacea																				
Gammarus sp.						400	400	2400	200	100										
Mollusca																				
Radix balthica	50	100		200	100	100	200	700	200	50								60		
Gyraulus acronicus					200	100	50		100	30								80		
Sphaeriidae		100			200	700	1300	1300	700			30								
Hirudinea																				
Glossiphonia complanata			1			50	10	50	50	50					10					
Oligochaeta	400	400	100	400	700	400	200	200	200	400	200	30	50	50	50	100	50		30	30
Hydrachnidae	50	200	100	100	200	400	100	100	200	50	30	50	100	50	50	30	50		30	50
Ephemeroptera																				
Ephemera danica				10			50	50	30			1		30						
Ameletus inopinatus		1				50	30	50			10	200								
Baetis muticus	700	100	100					50					200			100	50	1300		
B. niger		50		2400	400		30						100	200			100			200
B. rhodani	2400	2400	400	4800	4800	400	2400	100	50	30	700	1300	700	700	700	400	2400	2400	400	400
B. scambus			100										700						200	
Siphonurus lacustris		1	30					50					50							
Heptagenia spp.					4800					700										
H. dalecarlica	200		400	200	700						10		1300	50	200					
H. sulphurea	200	200		200	700			200	50	400						30	100		200	200
H. joermensis			400										1300					200		
H. fuscogrisea				100					50											
Ephemerella aroni						100		700		200		10	200	30						
E. mucronata	1300	200	50		1300	2400	2400	200		30					200					
Serratella ignita			100						50					30						
Leptophlebia sp			100						50	400				50						
Plecoptera																				
Diura nanseni	100	10	1	30	200		10		30		30		50	200	200	30		50	50	30
Isoperla spp.	100															100				
I. difformis				10																
I. grammica	50	100	10	50	200	1	30			100	30	100			100	30	30		50	30
Siphonoperla burmeisteri	50	30			100						100	100			50	100			30	30
Taeniopteryx nebulosa				50	50	30			50	100					100				30	50
Brachyptera risi	400	100									30	50			200	200	200			50
Amphinemura borealis	200	50		700		200	100	100		400	100	200			200					
A. sulcicollis	200	200	1		2400	10				100		100			200	100	200			
Nemoura sp.										200										

[illegible]

<i>Ceraclea</i> spp.									50											
<i>C. annulicornis</i>						10				10										
Diptera indet.	30	30									30									
Tipulidae	100	100	50	50	200		100	50	30	50	50	30	30	10	30	200	100	100	30	30
Simuliidae	100	2400	100		700	100			50		200	1300			200	2400	700	400	50	100
Chironomidae	200	700	200	200	1300	2400	100	400	100	400	200	400	400	50	700	400	100	200	100	100
Ceratopogonidae			30			30	10		10		10				30					10
<i>Pericoma</i> sp.																30				
Total in 1 min kick sample	767	860	393	1068	1778	1497	938	1033	304	657	196	489	585	208	424	474	483	518	159	202
Sorting time	1 t	2 t	1.5 t	1.5 t	2 t	2 t	2 t	2 t	1 t	1 t	0.5 t	1.5 t	1 t	1 t	1 t	1.5 t	1 t	1.5 t	1 t	1 t

Appendix 3. Example of notes from sorting and subsampling of abundances and species.

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