Food web assembly at the landscape scale

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Electronic appendix. **Food Web Assembly at the Landscape Scale: Using Stable Isotopes to Reveal Changes in Trophic Structure during Succession**

Table 1. General Characteristics for Each of the Sampling Sites

Age succ. stage (y)	Elevation (cm above NAP ±SE)		Flooding freq. (yearly average 1998-2008 ±SE)*		Sediment layer thickness (cm ±SE)		Vegetation height (cm ±SE)	
0	115.2	2.3	184.2	5.8	0.0	0.0	1.2	0.3
10	116.2	2.0	178.3	5.9	4.9	0.3	5.9	0.7
25	116.0	3.2	178.3	5.9	7.2	0.2	10.2	1.3
35	118.4	1.9	164.8	6.5	13.5	0.6	8.1	1.7
45	123.4	1.9	136.9	6.5	15.3	0.2	9.4	0.8
55	125.0	2.1	127.7	7.0	14.4	0.3	19.7	3.8
100	124.4	1.5	131.8	6.8	16.2	0.8	26.1	2.0

* Flooding data were taken from an online archive with freely available measurements, which can be downloaded from http://live.waterbase.nl/waterbase_wns.cfm?taal=en

Appendix 1: Photo's from Each of the Sites, July 2008

Site 1: 0 yrs of succession

Site 2: 10 yrs of succession

Site 3: 25 yrs of succession

Site 4: 35 yrs of succession

Site 5: 45 yrs of succession

Site 6: 55 yrs of succession

Site 7: 100 yrs of succession

Table 1. The Amount of Subsamples per Site for All the Species Collected

Group	Species	0	10	25	35	45	55	100
Primary production								
Terrestrial plants	Artemisia maritima					5		5
	Atriplex portulacoides		5			5		5
	Elytrigia atherica							5
	Festuca rubra		5			5		5
	Limonium vulgare	5	5			5		
	Puccinellia maritima	5	5			5		
	Salicornia europaea	5	5					
	Soil organic matter		2			5		5
	Terrestrial organic matter		5			5		6
Marine prim. prod	Bacillariophyceae (Diatoms)	5	5			5		4
	Particulate organic matter		5			4		3
	Fucus vesiculosus	5	4			5		4
Herbivores								
	Bledius *sp.*	5	1					
	Cassida vittata	4	4	3	4			
	Auchenorrhyncha *spp.*							1
	Chrysomelidae *sp.*		1	1	1	3	1	1
	Elateridae *sp.*	1	1	1			2	
	Curculionidea *sp.*		2	1	3	2	4	
Carnivores								
	Bembidion minimum		3	2	3	5	2	5
	Clubiona stagnatilis	5	1	2	1	2	5	1
	Coccinella sedecumpunctata	5		3		2		1
	Dyscherius globusus		3	5	4	2		2
	Ichneumonoidea spp.	1	1	1				1
	Erigonidae spp.	4	5	3	5	2	3	3
	Pardosa pubeckensis	5	4	5	4	5	5	4
	Pogonus chalceus			2		1		
	Salda littoralis		1	4	4	3	3	1
	Tytthaspis sedecumpunctata		2		2	4	5	1
Detrivores								
	Helophorus brevipalpis							4
	Isotoma riparia		1				2	
	Platynothrus *sp.*			1				
	Symplecta stictica		2	4				
	Nemotelus *sp.*		3	2	1	4	3	
	Ochthebius marinus		4	4	3	3	1	
	Orchestia gammarellus	4	5	4	5	5	5	5
	Ovatella myosotis		4	5	5	5	5	5
	Phyllocia moscorum							1
	Fucellia maritima	4						
	Enchytraea *sp.*	5						

Every subsample is composed of at least 5 individuals. Not all species were identified up to the species

level, those were given a 'sp.' behind the genus name. When more than one species was collected per taxa, 'spp.' is given behind the genus name.