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Food web assembly at the landscape scale

Schrama, Maarten; Jouta, Jeltje; Berg, Matty P.; Olf, Han

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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 \pm SE)		Flooding freq. (yearly average 1998-2008 \pm SE)*		Sediment layer thickness (cm \pm SE)		Vegetation height (cm \pm 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	<i>Artemisia maritima</i>					5		5
	<i>Atriplex portulacoides</i>		5			5		5
	<i>Elytrigia atherica</i>							5
	<i>Festuca rubra</i>		5			5		5
	<i>Limonium vulgare</i>	5	5			5		
	<i>Puccinellia maritima</i>	5	5			5		
	<i>Salicornia europaea</i>	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
	<i>Fucus vesiculosus</i>	5	4			5		4
Herbivores								
	<i>Bledius sp.</i>	5	1					
	<i>Cassida vittata</i>	4	4	3	4			
	<i>Auchenorrhyncha spp.</i>							1
	<i>Chrysomelidae sp.</i>		1	1	1	3	1	1
	<i>Elateridae sp.</i>	1	1	1			2	
	<i>Curculionidea sp.</i>		2	1	3	2	4	
Carnivores								
	<i>Bembidion minimum</i>		3	2	3	5	2	5
	<i>Clubiona stagnatilis</i>	5	1	2	1	2	5	1
	<i>Coccinella sedecumpunctata</i>	5		3		2		1
	<i>Dyscherius globus</i>		3	5	4	2		2
	<i>Ichneumonoidea spp.</i>	1	1	1				1
	<i>Erigonidae spp.</i>	4	5	3	5	2	3	3
	<i>Pardosa pubeckensis</i>	5	4	5	4	5	5	4
	<i>Pogonus chalceus</i>			2		1		
	<i>Salda littoralis</i>		1	4	4	3	3	1
	<i>Tytthaspis sedecumpunctata</i>		2		2	4	5	1
Detrivores								
	<i>Helophorus brevipalpis</i>							4
	<i>Isotoma riparia</i>		1				2	
	<i>Platynothrus sp.</i>			1				
	<i>Symplecta stictica</i>		2	4				
	<i>Nemotelus sp.</i>		3	2	1	4	3	
	<i>Ochthebius marinus</i>		4	4	3	3	1	
	<i>Orchestia gammarellus</i>	4	5	4	5	5	5	5
	<i>Ovatella myosotis</i>		4	5	5	5	5	5
	<i>Phyllocia moscorum</i>							1
	<i>Fucellia maritima</i>	4						
	<i>Enchytraea sp.</i>	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.