

Trophic dynamics of eight intertidal communities of the Sylt-Rømø Bight ecosystem, northern Wadden Sea

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Marine Ecology Progress Series 351:25–41 (2007)

Appendix 1. Biomass and energetics of all compartments in flow networks of the 9 intertidal subsystems of the Sylt-Rømø Bight. Biomass and standing stocks in mg C m⁻²; GPP, NPP, C, P, R, & E in mg C m⁻² d⁻¹. The effective trophic level position of each component is given in brackets below the compartment number

Comp #	Compartment name	Parameter (P)	Pelagic domain Compt #	P value	Mussel beds Compt #	P value	Arenicola flats Compt #	P value	Sparse Z. noltii Compt #	P value	Dense Z. noltii Compt #	P value	Mud flats Compt #	P value	Muddy-sand flats Compt #	P value	Sandy shoals Compt #	P value	Sandy beaches Compt #	P value
1	Phytoplankton	Biomass	1	1040.0	1		1		1		1		1		1		1		1	
		GPP		437.3																
		NPP		247.3																
		Respiration		190.1																
2	Microphytobenthos	Biomass	2		2	130.0	2	130.0	2	120.0	2	120.0	2	120.0	2	130.0	2	130.0	2	270
		GPP				98.6		991.8		901.4		972.6		972.6		972.6		991.78		901.37
		NPP				64.4		647.6		588.6		635.2		635.2		635.2		647.73		588.68
		Respiration				34.2		344.2		312.8		337.4		337.4		337.4		344.05		312.69
3	Macrophytes (Fucus vesiculosus)	Biomass	3		3	146236.0	3		3	14040.0	3	30890.0	3		3		3		3	
		GPP				5279.1				384.7		846.3								
		NPP				3933.8				169.3		372.4								
		Respiration				1345.4				215.4		473.9								
4	Free-living bacteria	Biomass	4	9.8	4		4		4		4		4		4		4		4	
		Production		76.1																
		Respiration		70.5																
		Egestion		5.6																
		Consumption		152.2																
5	Zooplankton	Biomass	5	11.2	5		5		5		5		5		5		5		5	
		Production		1.5																
		Respiration		0.4																
		Egestion		2.7																
		Consumption		4.6																
6	Hydrobia ulvae	Biomass	6		6		6	40.6	6	17475.4	6	7174.6	6	8004.0	6	4524.0	6		6	
		Production					[2.25]	0.12		77.5		31.8		24.1		13.6				
		Respiration						0.3		72.8		44.8		59.8		33.8				
		Egestion						1.18		509.0		209.0		233.2		131.8				
		Consumption						1.6		659.3		285.6		317.1		179.2				
7	Littorina littorea	Biomass	7		7	19337.2	7		7	464.0	7		7		7		7		7	
		Production				25.4				2.0										
		Respiration				139.9				1.3										
		Egestion				239.2				5.7										
		Consumption				404.5				9.1										
8	Arenicola marina	Biomass	8		8		8	5330.2	8	9135.0	8	12591.8	8	2354.8	8	8537.6	8	3224.8	8	

