

# **ADDENDUM 3**

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## **Nematode habitat suitability models**

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NEMATODE HABITAT SUITABILITY MODELS

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This addendum supplies an overview of the final species models. Only those species models performing better than random are given (Chapter 5). This addendum holds three sections with species models passing the preferential sampling and cross-validation test (Chapter 5) according to the minimum distance between test and training set:

- no minimum distance between test and training set (designated by '0 km' in page header);
- a minimum distance of 5 km between test and training set (designated by '5 km' in page header);
- a minimum distance of 10 km between test and training set (designated by '10 km' in page header).

This resulted in respectively 111, 76 and 63 species models (Chapter 5). Since overfitting is still an issue, these models were further optimised by a backward and forward variable selection based on a fivefold cross-validation. On average the number of variables selected in the model decreases with increasing distance between the datasets.

Each of the three sections is subdivided in two parts:

- the first part holds a table with the variable contributions. The variable contribution is an estimate of the relative contribution (%) of the environmental variable to the Maxent model. These variable contributions should be interpreted with caution when the predictor variables are correlated.
- the second part shows the resulting habitat suitability maps. Although the models perform better than random, preferential sampling may still have an influence on the final model. In practice, the probability distribution should be interpreted more conservatively as a relative index of environmental suitability, where higher values represent a prediction of better conditions for the species (Phillips *et al.*, 2006) and the maps may represent an underestimation of the true geographical range of the species (Raes and ter Steege, 2007).

The response curves show the relation between the variable and the model output. In total there are 1017 response curves. These curves can be found on the DVD annexed to this thesis. Each html-file of a species shows the corresponding output of the Maxent model with the response curves, the AUC and the data points used in the analyses.

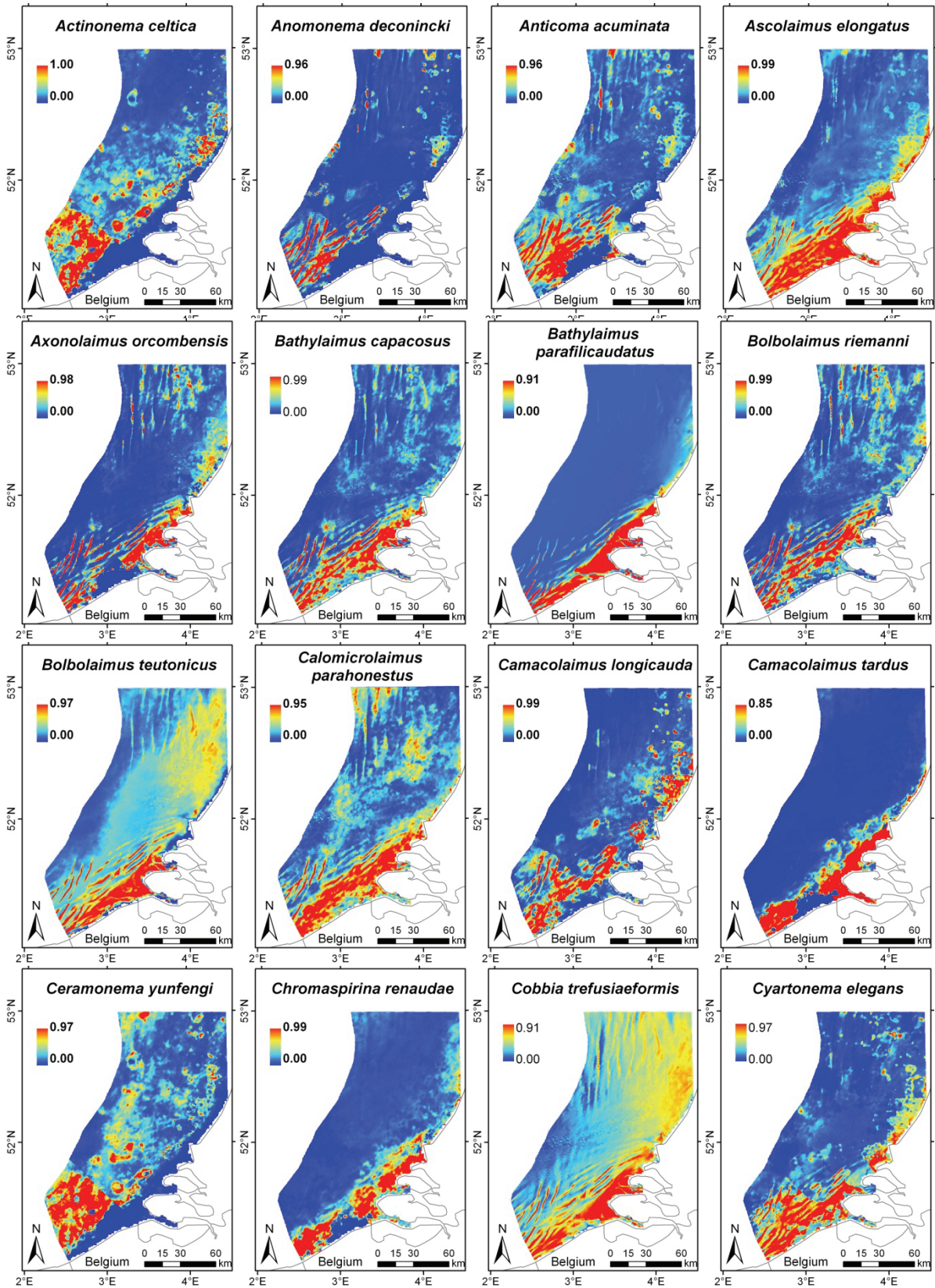
## 0 KM

	Average		Minimum		Median grain size	Water depth	Silt-clay content	Average		Maximum		Minimum	
	Chl <i>a</i>	Chl <i>a</i>	Chl <i>a</i>	Chl <i>a</i>				TSM	TSM	TSM	TSM	TSM	TSM
<i>Actinonema celtica</i>	0.6	0	23.7	17.2	0	48.8	0	0	0	0	0	9.6	
<i>Anomonema deconincki</i>	17.8	0	0	14.5	25.2	36.2	4.9	0	0	0	0	1.3	
<i>Anticoma acuminata</i>	18.3	2.7	0	10.9	19.7	39.8	4.9	0	0	0	0	3.6	
<i>Ascolaimus elongatus</i>	7.1	0	0	2.7	9.2	24.2	56.8	0	0	0	0	0	
<i>Axonolaimus orcombensis</i>	17.8	3.6	5.1	2.3	55.3	15.8	0	0	0	0	0	0	
<i>Bathylaimus capacosus</i>	17.3	3.3	10	4.3	57.4	0	5.8	1.8	0	0	0	0	
<i>Bathylaimus parafilicaudatus</i>	3.5	0	0	0.8	95.7	0	0	0	0	0	0	0	
<i>Bolbolaimus riemanni</i>	21.2	3.8	9	6.8	56.7	0	2.4	0	0	0	0	0	
<i>Bolbolaimus teutonicus</i>	30.8	0	0	0	69.2	0	0	0	0	0	0	0	
<i>Calomicrolaimus parahonestus</i>	10.4	4.2	7.1	0	13.8	0	49.4	9.1	0	0	0	5.9	
<i>Camacolaimus longicauda</i>	0	0	23.2	10.4	14.1	48.8	3.5	0	0	0	0	0	
<i>Camacolaimus tardus</i>	0	0	0	0	0	10.2	0	89.8	0	0	0	0	
<i>Ceramonema yunfengi</i>	27.4	0	10.1	0	0	50.9	5.3	0	0	0	0	6.2	
<i>Chromaspirina renaudae</i>	0	0	36	0	9.9	7.3	0	46.8	0	0	0	0	
<i>Cobbia trefusiaeformis</i>	9.5	0	0	0	87.9	2.6	0	0	0	0	0	0	
<i>Cyartonema elegans</i>	9.3	12	4.8	0	20.9	51.1	2	0	0	0	0	0	
<i>Daptonema fistulatum</i>	0	0.5	0	0	4	0	91.4	0	0	0	0	4.1	
<i>Daptonema hirsutum</i>	2.7	0	0	0	11.3	24.2	0	56.8	0	0	0	5	
<i>Daptonema kornoense</i>	0.9	99.1	0	0	0	0	0	0	0	0	0	0	
<i>Daptonema nanum</i>	11.2	7	0	0	0	45.7	36.1	0	0	0	0	0	
<i>Daptonema normandicum</i>	0	0	0	0	0	0	96.3	3.7	0	0	0	0	
<i>Daptonema proprium</i>	0	3.7	0	0	1.5	0	93	1.7	0	0	0	0	
<i>Daptonema riemanni</i>	0	91.9	0	0	0	8.1	0	0	0	0	0	0	
<i>Daptonema svalbardense</i>	5.1	81.2	0.5	0.1	12.9	0	0	0	0	0	0	0.1	
<i>Daptonema tenuispiculum</i>	0	0	0.4	2.3	0	20.6	76.7	0	0	0	0	0	
<i>Daptonema trichinus</i>	0	98.4	0	1.6	0	0	0	0	0	0	0	0	
<i>Daptonema xyaliforme</i>	0	10.5	0.7	0	0	4.6	84.2	0	0	0	0	0	
<i>Desmodora cephalata</i>	11.2	0	18	14.4	17.2	39.2	0	0	0	0	0	0	

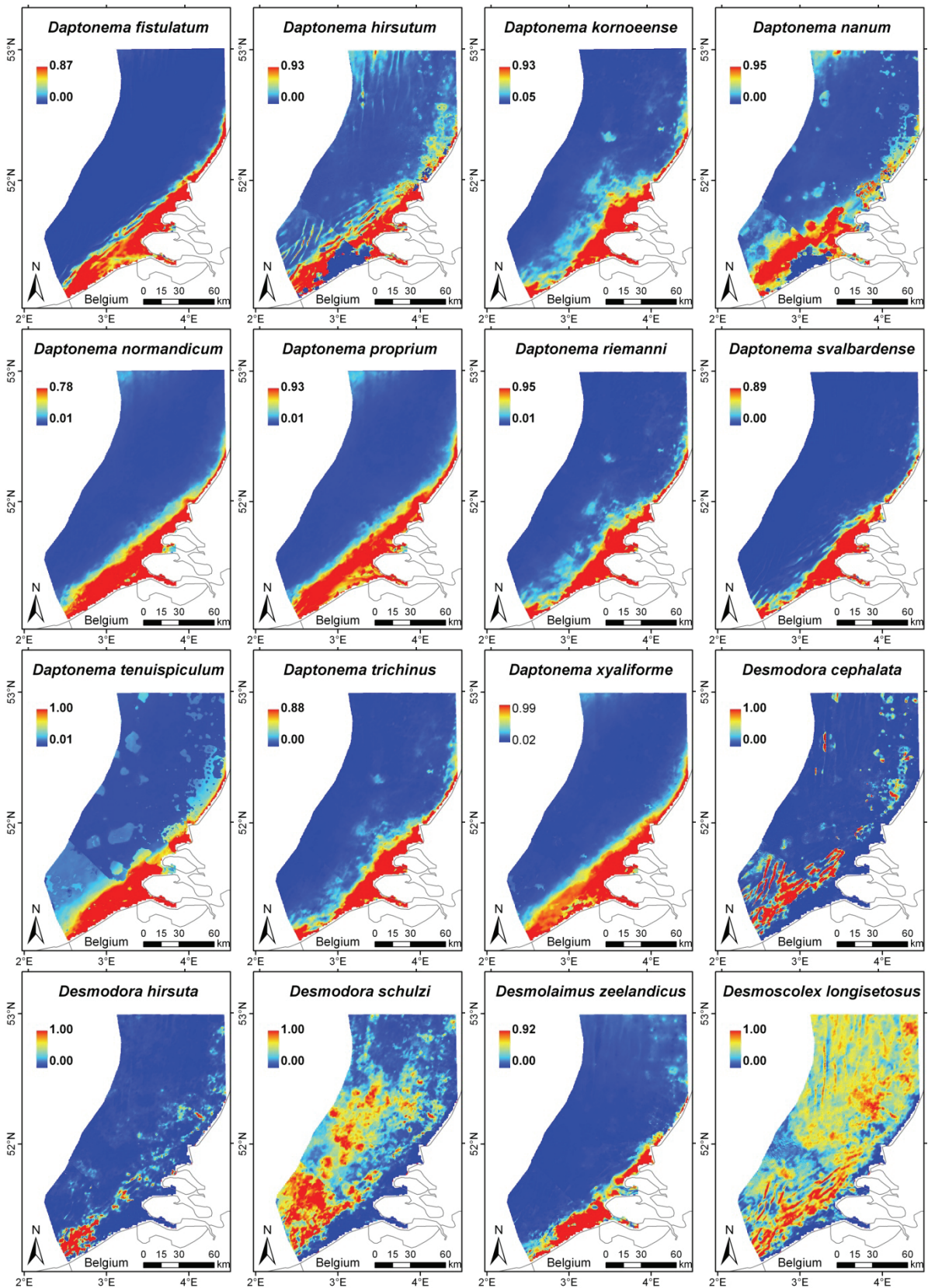
	Average Chl <i>a</i>	Maximum Chl <i>a</i>	Minimum Chl <i>a</i>	Median grain size	Water depth	Silt-clay content	Average TSM	Maximum TSM	Minimum TSM
<i>Desmodora hirsuta</i>	0	4.5	19.5	16.5	1.9	0.4	0.4	47.4	9.3
<i>Desmodora schulzi</i>	5.6	12.7	15.4	28.4	0	27.9	0	10	0
<i>Desmolaimus zeelandicus</i>	0	0	0	11	0	0	86.9	0	2
<i>Desmoscolex longisetosus</i>	28.7	0	56.5	4.4	10.4	0	0	0	0
<i>Dichromadora hyalocheile</i>	0	0	0	2.6	0	12.9	0	84.6	0
<i>Diplopeltula ostrita</i>	26	0	0	7.2	66.8	0	0	0	0
<i>Dracognomus tiniae</i>	21.4	0	0	0	13.6	51.7	6.1	0	7.2
<i>Enoploides delamarei</i>	45.1	0	13.4	12.9	28.5	0	0	0	0
<i>Enoplolaimus conicollis</i>	7.8	8.5	18.8	0	0	49.1	9.9	0	5.8
<i>Enoplolaimus denticulatus</i>	0.1	2.6	64.2	8.8	6.5	17.9	0	0	0
<i>Enoplolaimus litoralis</i>	10.3	1.5	0	0	9.6	18.8	59.8	0	0
<i>Epacanthion galeatum</i>	0	0	0	0	0	18.6	76.4	0	4.9
<i>Epacanthion gorgonocephalum</i>	2.6	46.2	0.3	0.1	50.3	0	0	0	0.4
<i>Epsilonema pustulatum</i>	24.6	0	0	7.7	51.4	8.5	0.2	1.6	5.9
<i>Gammanema rapax</i>	22.4	20.3	0	2.5	31.3	0	10.7	0	12.8
<i>Gonionchus cumbraensis</i>	11.3	10	10.1	0	0	54.9	7.6	1.5	4.6
<i>Gonionchus inaequalis</i>	19.9	1	0	11.1	59.7	0	8.2	0	0
<i>Gonionchus longicaudatus</i>	18.8	1.5	8.8	6.3	56.1	0	6.2	0	2.3
<i>Halichoanolaimus robustus</i>	16.5	12.5	31.3	14.4	0	0	14.2	0	11.1
<i>Ixonema sordidum</i>	15.8	10.8	8.4	7.1	13.2	33.9	3.1	6	1.7
<i>Leptolaimus venustus</i>	29.1	0	25.7	0	23.6	0	7	0	14.6
<i>Manunema annulatum</i>	11.1	8.8	8	0.6	21.2	46.2	2.1	0	1.9
<i>Mesacanthion diplochma</i>	8.3	36	0	0.1	47.1	0	0	0	8.5
<i>Metadesmolaimus aduncus</i>	7.5	3.9	0	3.2	85.4	0	0	0	0
<i>Metadesmolaimus gelana</i>	29.3	5.5	6	2.3	56.9	0	0	0	0
<i>Metadesmolaimus varians</i>	0	0	0	0	90.7	0	9.3	0	0
<i>Metalinhomoeus biformis</i>	0	99.9	0	0	0	0	0	0	0.1
<i>Metepsilonema emersum</i>	20.7	0	0	13.2	47	7.5	3.1	0	8.4

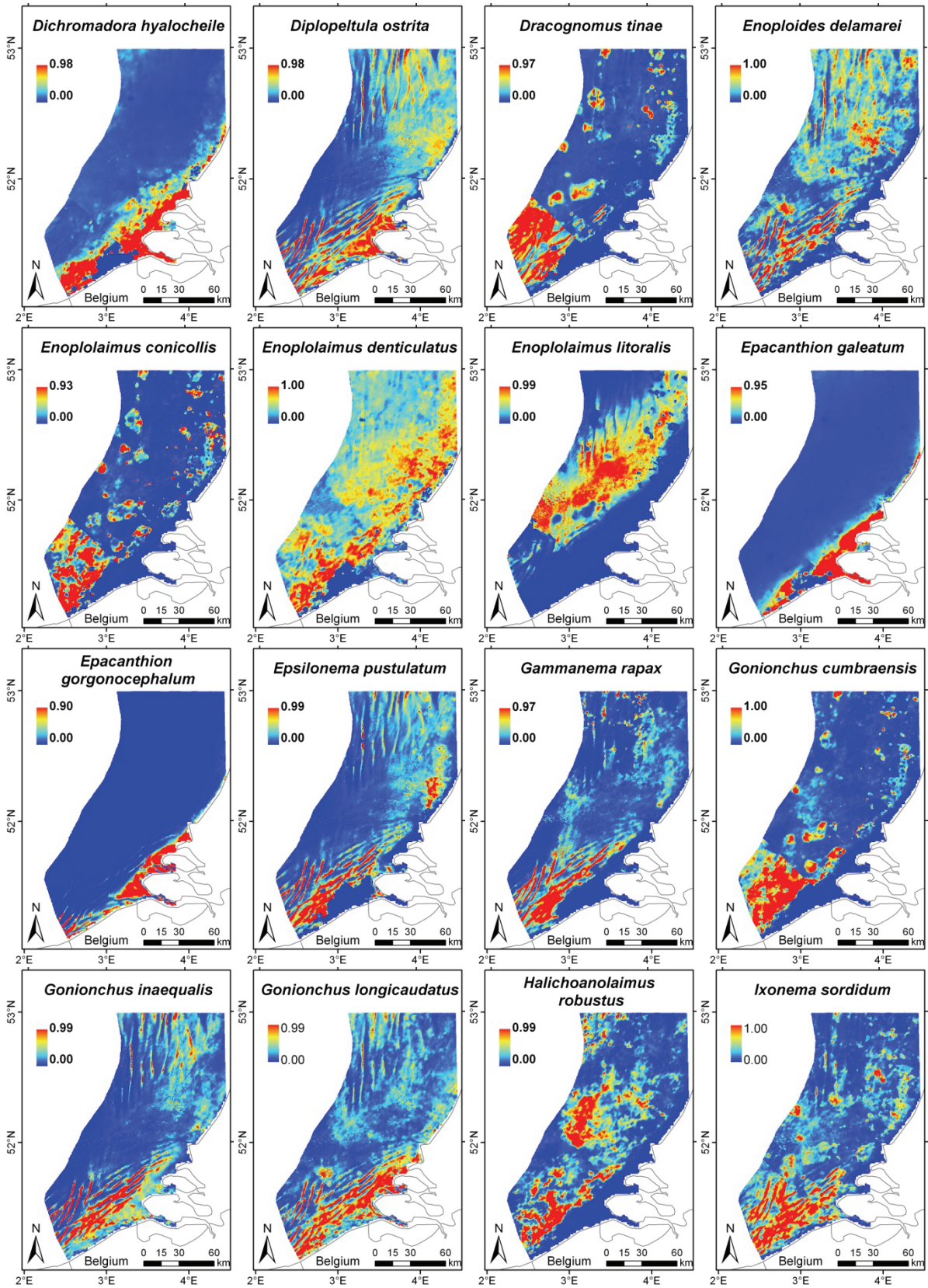
	Average	Maximum	Minimum	Median	Water	Silt-clay	Average	Maximum	Minimum
	Chl <i>a</i>	Chl <i>a</i>	Chl <i>a</i>	grain size	depth	content	TSM	TSM	TSM
<i>Metepsilonema hagmaeiri</i>	31.2	0	0	11.3	52.3	0	0	0	5.2
<i>Metoncholaimus scanicus</i>	0	0	0	0	0	0.2	0	0	99.8
<i>Microlaimus annelidae</i>	0	17.6	0	7.8	15.8	44	14.7	0	0
<i>Microlaimus arenicola</i>	24.5	0	23.2	0	32.8	0.5	6.6	0	12.3
<i>Microlaimus conothesis</i>	4.9	0	0	2.8	0	0	89.4	2.9	0
<i>Neochromadora angelica</i>	0	6.5	27.4	4.8	9.7	44.1	5.4	2.1	0
<i>Neochromadora poecilosoma</i>	0	0	0	12.8	73.8	0	0	13.5	0
<i>Odontophora exharena</i>	0	0	0	7	28.1	57.4	7.5	0	0
<i>Odontophora ornata</i>	0	0	0	0	0	33.5	0	66.5	0
<i>Odontophora rectangula</i>	8.2	19.4	0	0	18	0	54.4	0	0
<i>Oncholaimellus calvadosicus</i>	0	0	0	0	94.3	5.7	0	0	0
<i>Oxyonchus dentatus</i>	0	6.6	15.5	9.6	14.4	49.9	0	4	0
<i>Paracyntholaimoides labioetosus</i>	10.8	6.9	17	0	0	51	10.8	0	3.5
<i>Paracyntholaimoides multispinalis</i>	29.4	0	17.2	13.9	39.5	0	0	0	0
<i>Pareurystomina acuminata</i>	37.8	0	18.7	0	23.7	0	7.9	0	11.9
<i>Pomponema elegans</i>	0	0	31	6.4	25	37.5	0	0	0
<i>Pomponema multipapillatum</i>	13.7	0	0	13.7	14.4	42.5	12.8	0	2.9
<i>Pomponema tessellatum</i>	8.5	9.2	23.4	1	3.7	6.2	0.4	47.6	0
<i>Prochromadorella ditlevseni</i>	11	6.3	7.4	0	12.2	33.2	28.9	1.1	0
<i>Prochromadorella longicaudata</i>	0	98	2	0	0	0	0	0	0
<i>Prochromadorella septempapillata</i>	12	9.3	29.8	6.2	8.1	0	23	2.6	9.1
<i>Pseudonchus decempapillatus</i>	29.4	0	29.4	0	41.2	0	0	0	0
<i>Ptycholaimellus ponticus</i>	3.9	2.6	27.7	0	3	0.1	1.6	47.8	13.3
<i>Ptycholaimellus vincxae</i>	15	0	0	0	25.9	43.6	11.5	0	3.9
<i>Rhabdodemania imer</i>	0	13.5	7.1	0	27.4	40.6	0	11.4	0
<i>Rhynchonema ceramotos</i>	3.3	12	0	0	0	63.5	10.4	2.9	7.9
<i>Rhynchonema lyngei</i>	15.2	5	0	15.1	54.5	0	0	10.2	0
<i>Rhynchonema moorea</i>	2.8	15.7	35.8	0	0	45.7	0	0	0

	Average		Maximum		Minimum		Median grain size	Water depth	Silt-clay content	Average		Maximum		Minimum	
	Chl <i>a</i>	chl <i>a</i>	Chl <i>a</i>	chl <i>a</i>	Chl <i>a</i>	chl <i>a</i>				TSM	TSM	TSM	TSM	TSM	TSM
<i>Rhynchonema querner</i>	0	10.9	11.8	14.4	15.2	38.8	8.9	0	0	0	0	0			
<i>Rhynchonema scutatum</i>	14.8	0	13	0	10	54	4.5	0	0	0	3.7	0			
<i>Richtersia inaequalis</i>	8.8	0	3.4	4.4	0	0	53.8	10.6	19	0	0	0			
<i>Sabatieria elongata</i>	35	8.2	56.9	0	0	0	0	0	0	0	0	0			
<i>Sabatieria punctata</i>	0	0	0	0	0	0	0	96.8	3.2	0	0	0			
<i>Setosabatieria hilarula</i>	0	0	4.8	7.9	0	0	87.4	0	0	0	0	0			
<i>Sigmaphoranema rufum</i>	16.2	0	0	12.4	58.3	0	0	13.1	0	0	0	0			
<i>Siphonolaimus ewensis</i>	2.2	0	0	0	55.1	38.6	0	0	4.1	0	0	0			
<i>Sphaerolaimus gracilis</i>	0	0	0	0	0	0	0	100	0	0	0	0			
<i>Spilophorella paradoxa</i>	14.7	0	12.2	0	0	47.2	15.2	0	10.8	0	0	0			
<i>Stephanolaimus flevensis</i>	5	0	0	0	95	0	0	0	0	0	0	0			
<i>Stephanolaimus gandavensis</i>	22.5	0	0	37.1	31.1	0	0	9.3	0	0	0	0			
<i>Tarvaia angusta</i>	22.8	0	0	18.9	38.5	19.8	0	0	0	0	0	0			
<i>Terschellingia longicaudata</i>	0	0	0	0	0	100	0	0	0	0	0	0			
<i>Theristus acer</i>	0	0	0	0	0	0	100	0	0	0	0	0			
<i>Theristus balticus</i>	35	0	0	9.2	31.8	0	21.4	0	2.5	0	0	0			
<i>Theristus bastiani</i>	9.6	0	33.8	0	11.5	31.4	0	0	13.6	0	0	0			
<i>Theristus denticulatus</i>	22.2	0	15.2	0	16.6	44.3	1.7	0	0	0	0	0			
<i>Theristus longicollis</i>	6.4	8.5	28.3	0	2.6	2.7	0	51.5	0	0	0	0			
<i>Theristus maior</i>	11.3	6.3	20	2.8	16.9	38.4	2.4	0	2	0	0	0			
<i>Theristus pertenuis</i>	2	0	0	0	5.9	0	83.8	0	8.4	0	0	0			
<i>Theristus profundus</i>	3.5	0	21.6	15.3	2.6	0	1.1	44.1	11.8	0	0	0			
<i>Trefusia litoralis</i>	0	0	0	0	47.2	7.1	0	45.6	0	0	0	0			
<i>Trefusia longicaudata</i>	0	0	11.5	0	4.6	0	0.1	59.9	23.9	0	0	0			
<i>Viscosia langrunensis</i>	0	54.6	0	1	34.7	9.7	0	0	0	0	0	0			
<i>Viscosia separabilis</i>	0	100	0	0	0	0	0	0	0	0	0	0			
<i>Viscosia viscosa</i>	0	0	0	0	0	0	100	0	0	0	0	0			

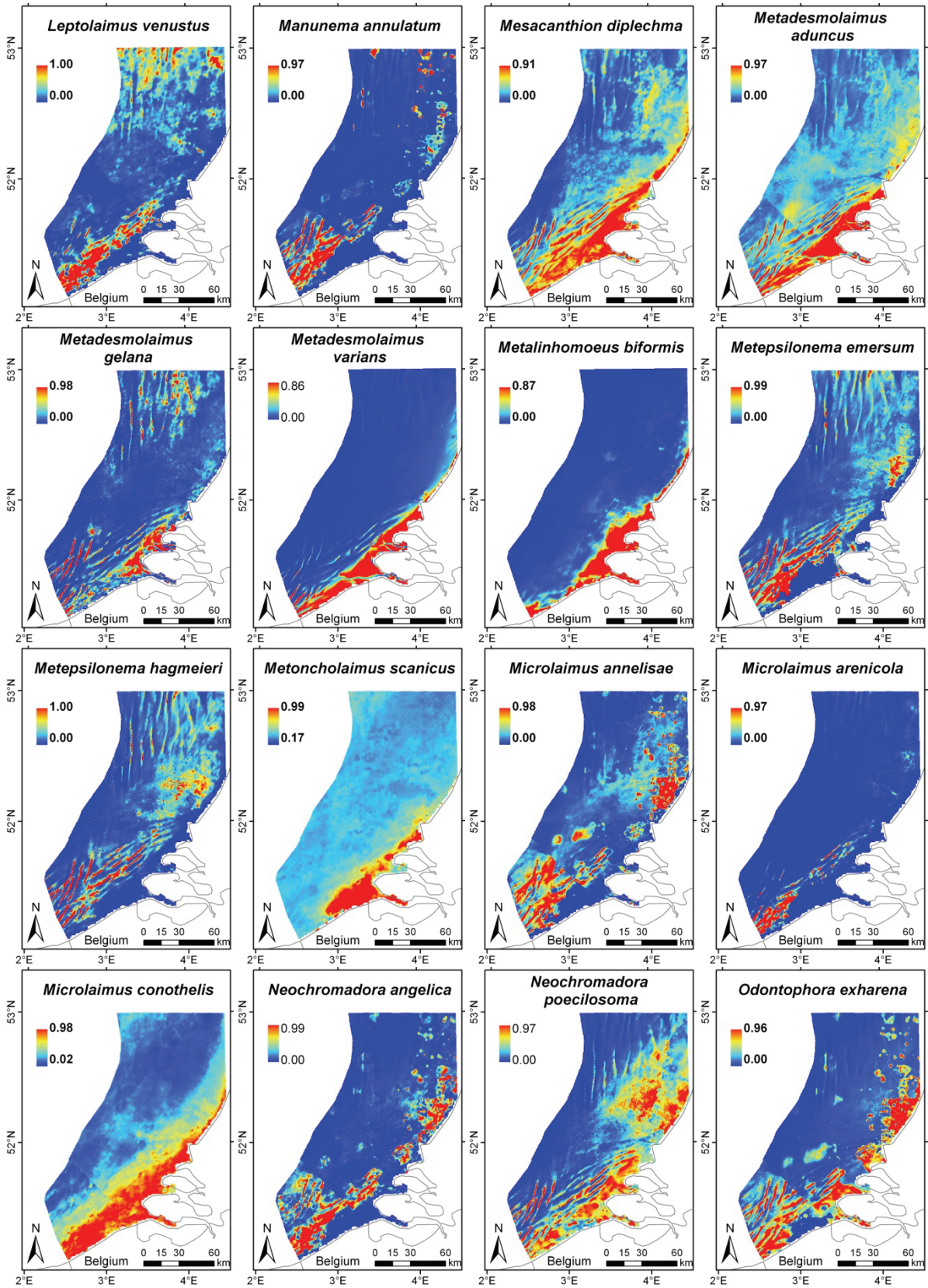


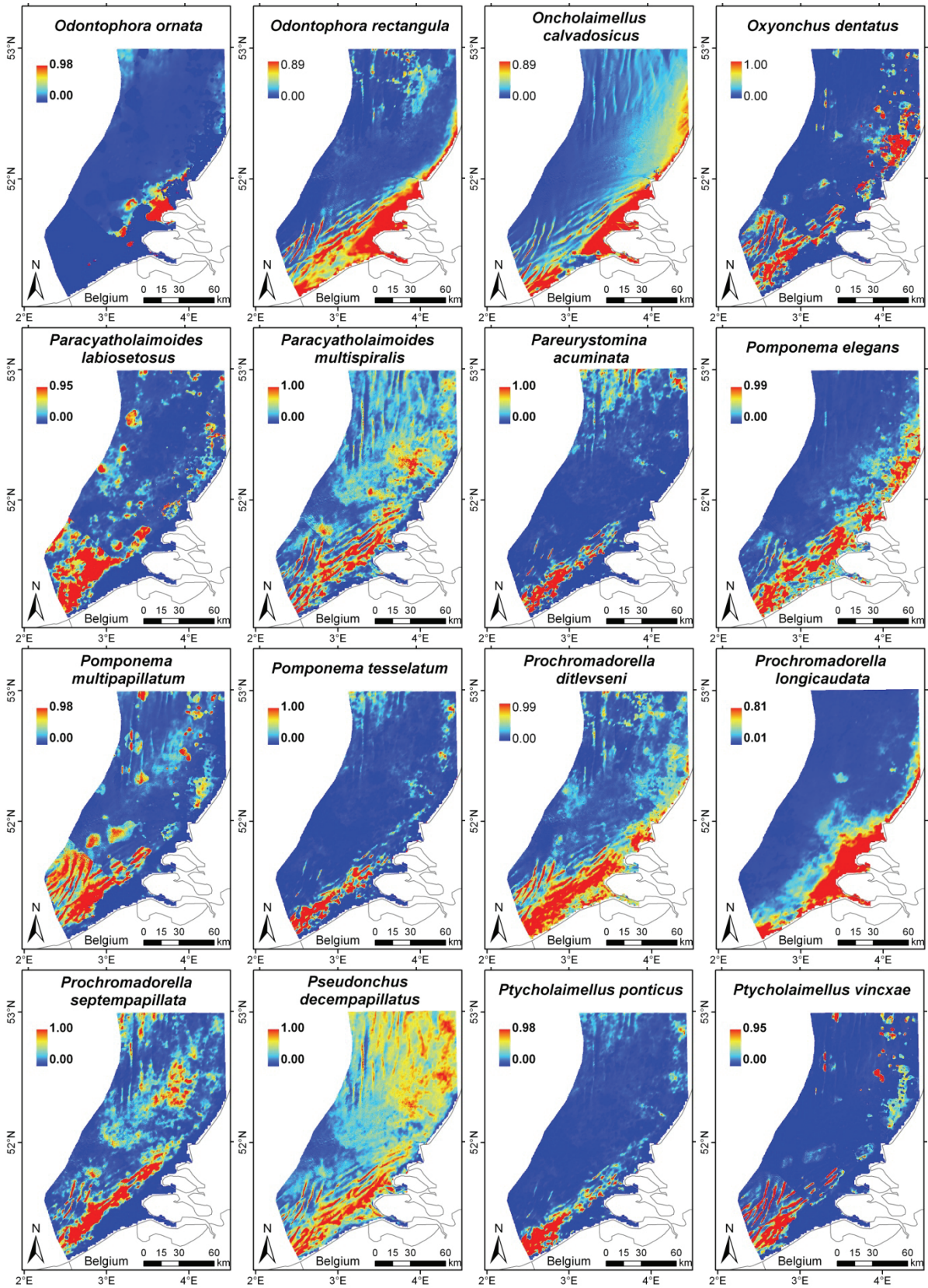




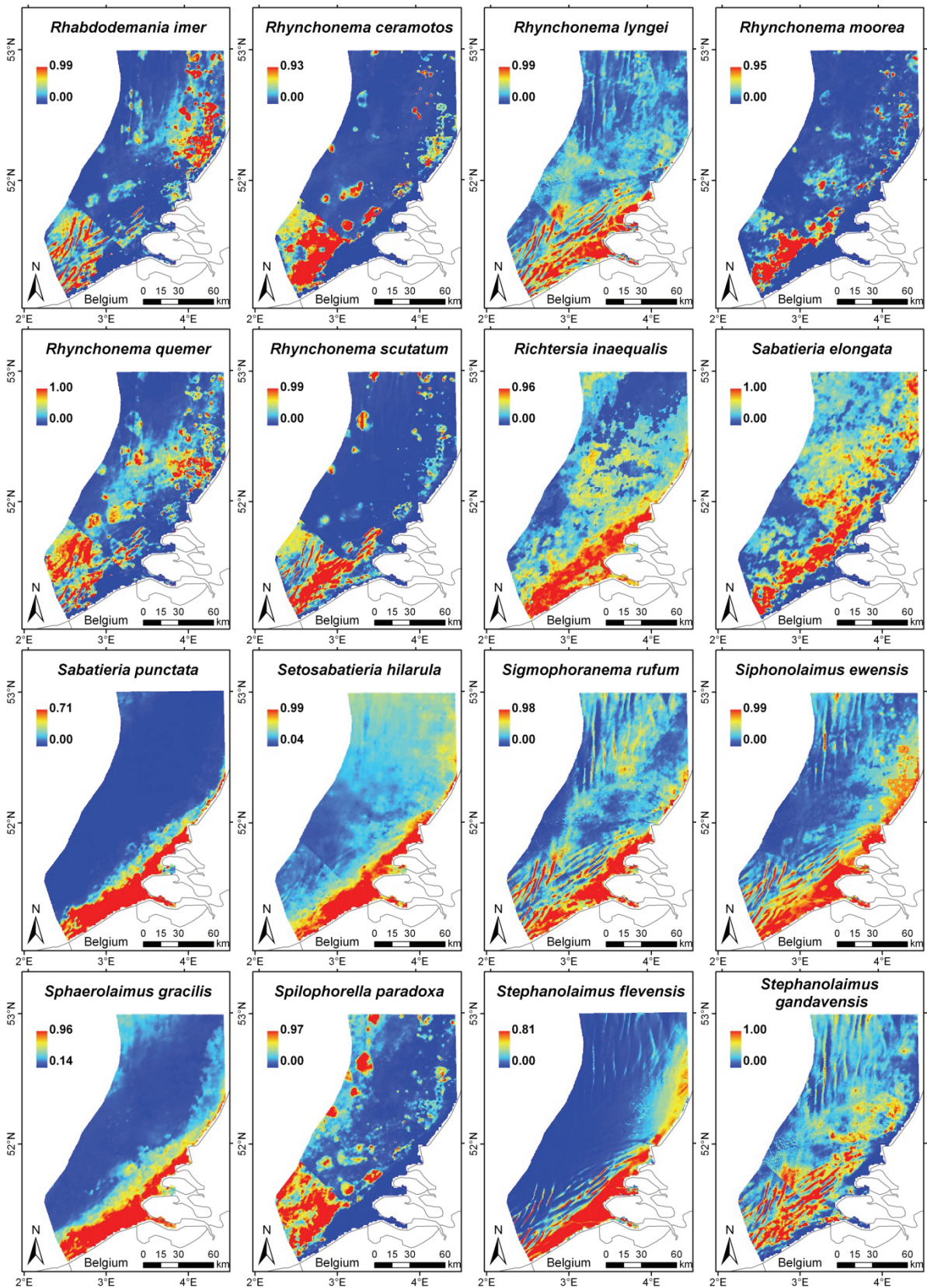


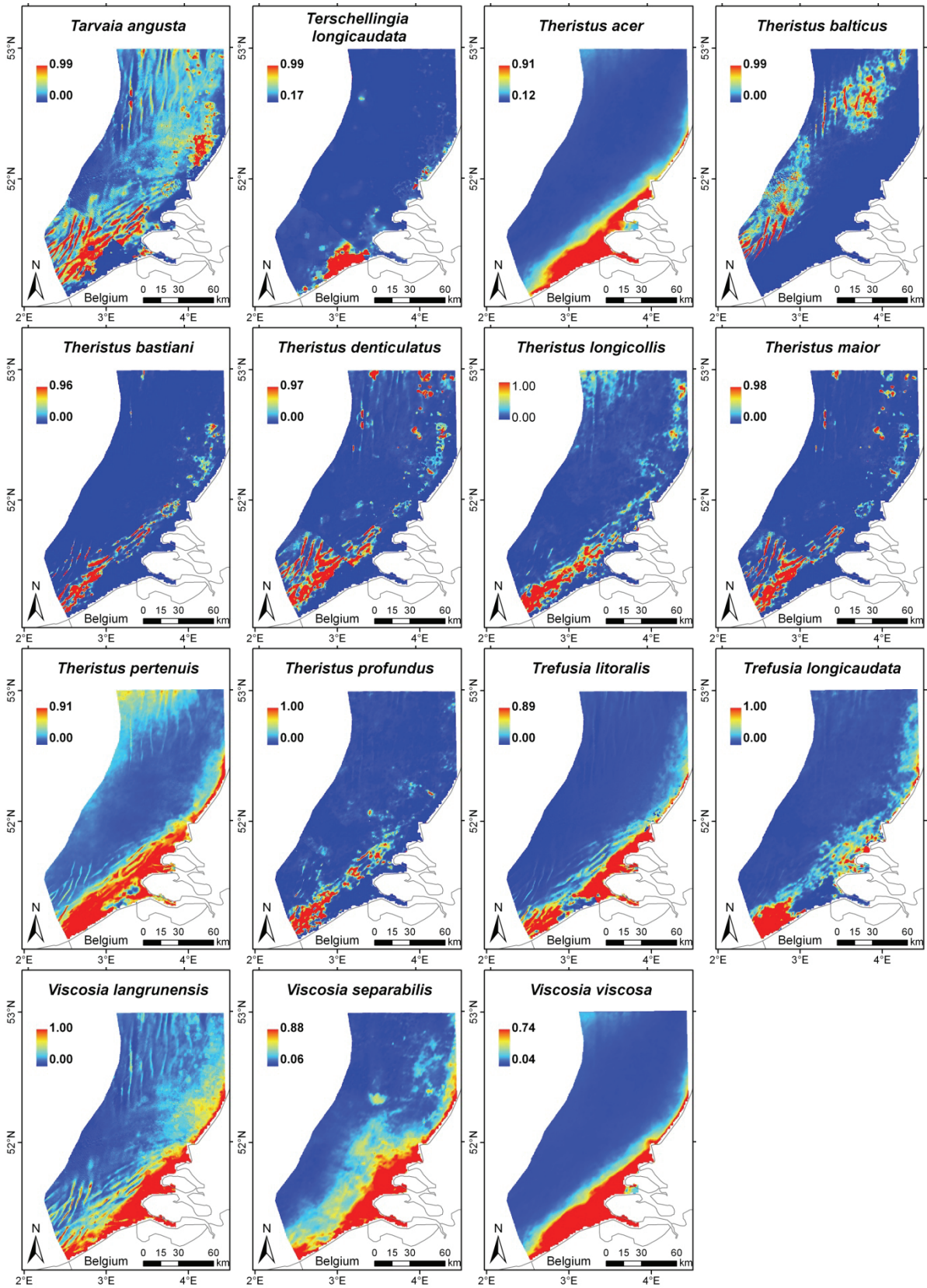












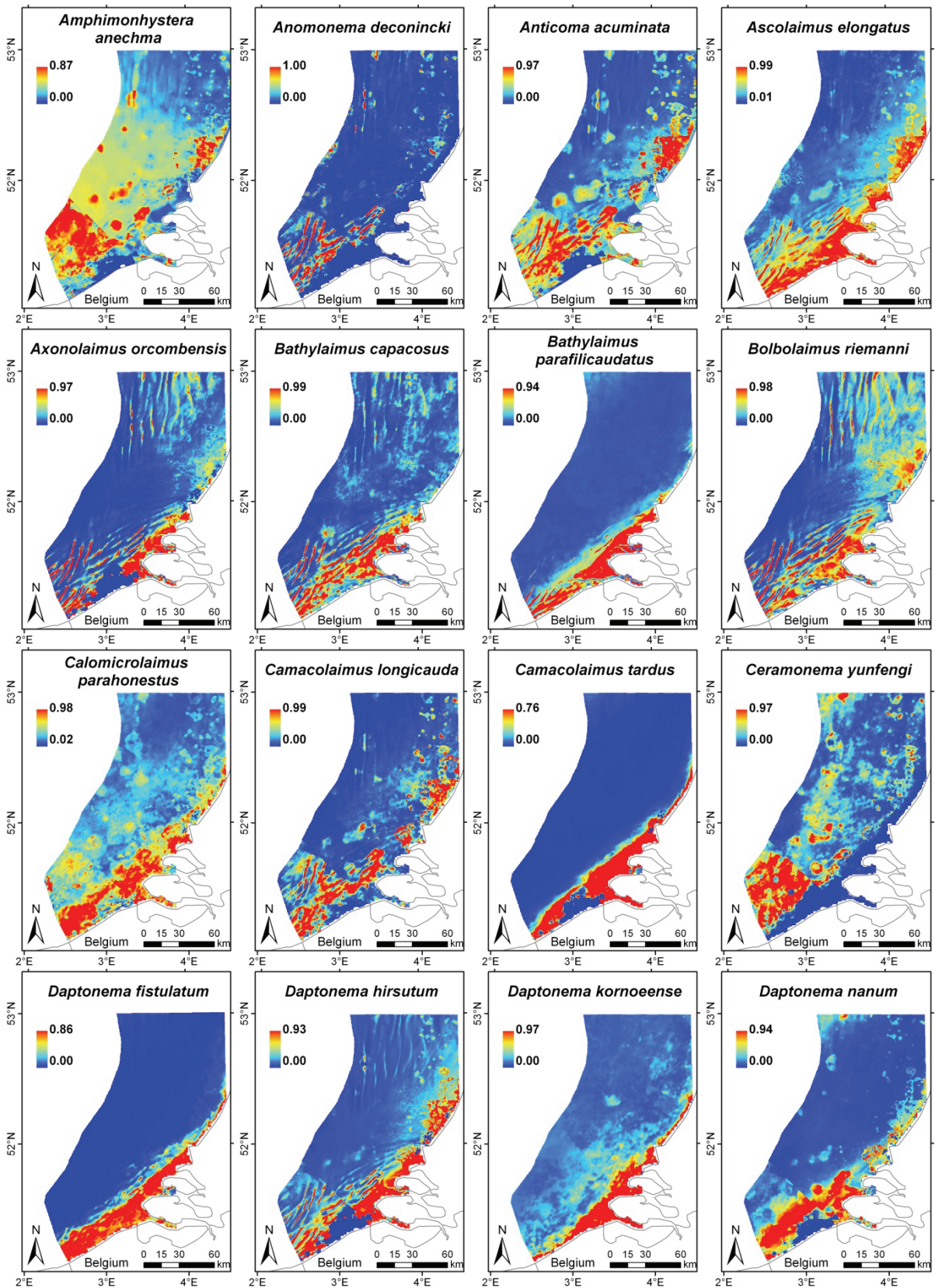
## 5 KM

	Average Chl <i>a</i>	Maximum Chl <i>a</i>	Minimum Chl <i>a</i>	Median grain size	Water depth	Silt-clay content	Average TSM	Maximum TSM	Minimum TSM
<i>Amphimonhystera anechma</i>	0	0	0	56	0	44	0	0	0
<i>Anomonema deconincki</i>	19.8	0	6.9	13.9	24.2	35.2	0	0	0
<i>Anticoma acuminata</i>	0	0	0	27.7	18	54.4	0	0	0
<i>Ascolaimus elongatus</i>	0	16.3	0	2.6	38.8	42.3	0	0	0
<i>Axonolaimus orcombensis</i>	12.4	0	0	2.2	61.7	18.6	0	5	0
<i>Bathylaimus capacosus</i>	17.3	3.3	10	4.3	57.4	0	5.8	1.8	0
<i>Bathylaimus parafilicaudatus</i>	4.8	0	2.5	0	56.8	0	35.8	0	0
<i>Bolbolaimus riemanni</i>	16.1	0	0	11.1	72.8	0	0	0	0
<i>Calomicrolaimus parahonestus</i>	0	0	13	4.3	0	32.7	0	50	0
<i>Camacolaimus longicauda</i>	0	0	22.4	9.6	13.9	50.3	3.8	0	0
<i>Camacolaimus tardus</i>	0	0	0	0	0	9.7	90.3	0	0
<i>Ceramonema yunfengi</i>	27.4	0	10.1	0	0	50.9	5.3	0	6.2
<i>Daptonema fistulatum</i>	0	0	3.5	0	5.3	0	0	91.2	0
<i>Daptonema hirsutum</i>	1.1	0	0	2	59.4	37.5	0	0	0
<i>Daptonema kornoeense</i>	0.1	90.1	7.6	0	0	2.2	0	0	0
<i>Daptonema nanum</i>	10.9	6.6	0	0	0	42.9	39.6	0	0
<i>Daptonema normandicum</i>	0	17.7	0	2	3.8	0	0	76.5	0
<i>Daptonema proprium</i>	0	3.3	0	0	0	0	96.7	0	0
<i>Daptonema riemanni</i>	0	91.9	0	0	0	8.1	0	0	0
<i>Daptonema svalbardense</i>	0	95.4	0	0	0	0	0	4.6	0
<i>Daptonema tenuispiculum</i>	0	0	1.8	0	0	21.3	76.9	0	0
<i>Daptonema trichinus</i>	0	100	0	0	0	0	0	0	0
<i>Daptonema xyaliforme</i>	0	0	0	0	10.8	0	89.2	0	0
<i>Desmodora cephalata</i>	11.2	0	18	14.4	17.2	39.2	0	0	0
<i>Desmodora schulzi</i>	9	15.3	17.1	30.5	0	28	0	0	0
<i>Desmolaimus zeelandicus</i>	0	0	0	11	0	0	86.9	0	2
<i>Dichromadora hyalocheile</i>	0	0	0	2.2	0	13.4	84.5	0	0

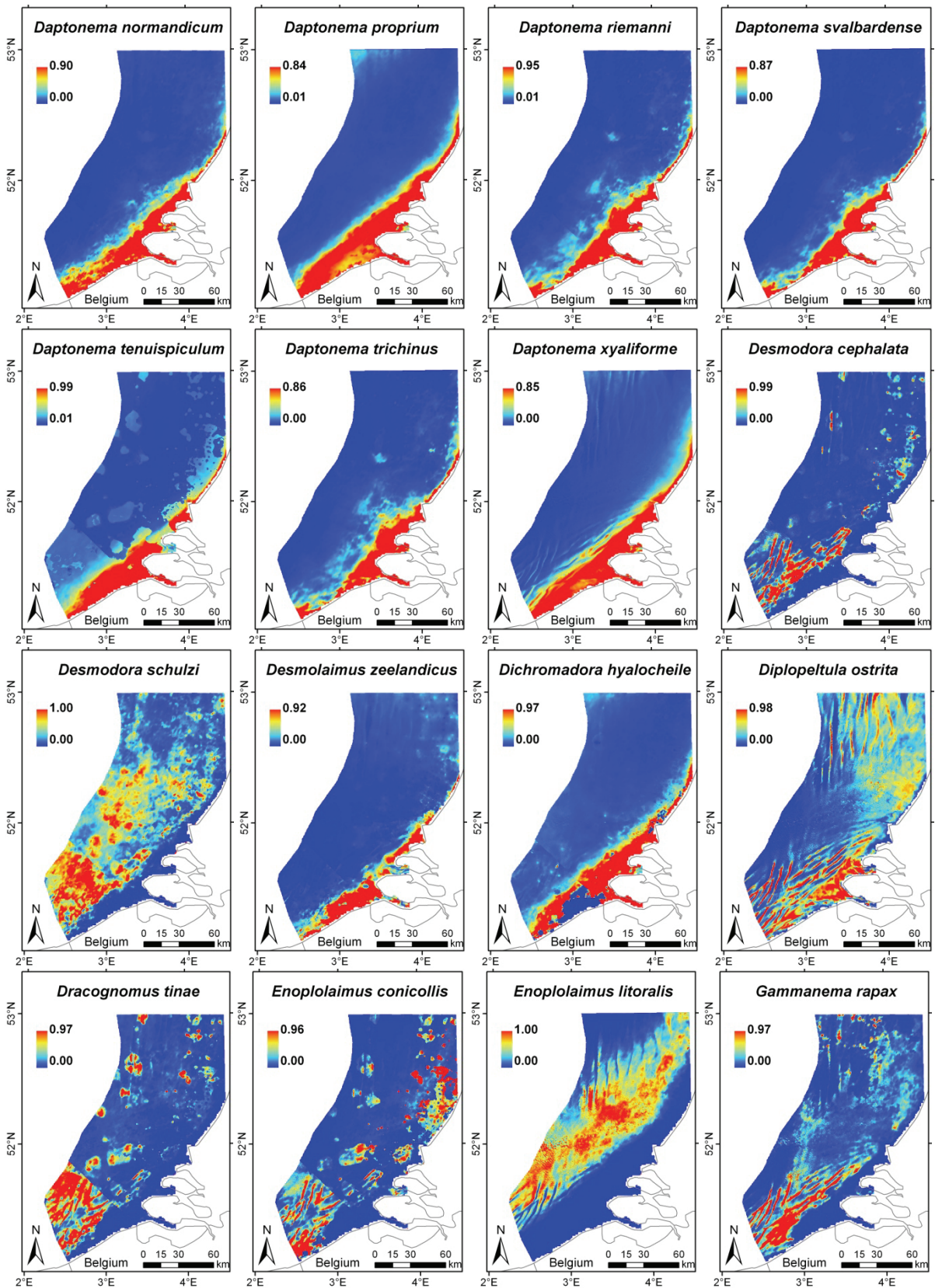
	Average Chl <i>a</i>	Maximum Chl <i>a</i>	Minimum Chl <i>a</i>	Median grain size	Water depth	Silt-clay content	Average TSM	Maximum TSM	Minimum TSM
<i>Diplopeltula ostrita</i>	26	0	0	7.2	66.8	0	0	0	0
<i>Dracognomus tinae</i>	23.7	0	6.2	0	11	46.8	4.9	1.7	5.6
<i>Enoploaimus conicollis</i>	0	0	12.5	0	16.2	47.1	12.2	0	12
<i>Enoploaimus litoralis</i>	12.6	1.7	0	0	14.6	0	71.2	0	0
<i>Gammanema rapax</i>	22.4	20.3	0	2.5	31.3	0	10.7	0	12.8
<i>Gonionchus cumbraensis</i>	19.2	0	0	0	18.8	61.9	0	0	0
<i>Gonionchus inaequalis</i>	19.4	0	0	12.1	68.5	0	0	0	0
<i>Gonionchus longicaudatus</i>	18.9	0	9.2	7.8	59.4	0	4.7	0	0
<i>Halichoanaimus robustus</i>	23.1	14.6	25.4	0	22.1	0	3.5	1.4	9.8
<i>Ixonema sordidum</i>	15	11.5	7.7	6.9	16.5	38.4	3.9	0	0
<i>Manunema annulatum</i>	15.5	0	0	0.6	21.7	49	9.8	0	3.3
<i>Mesacanthion diplochma</i>	0	0	2.8	0	97.2	0	0	0	0
<i>Metadesmolaimus aduncus</i>	0	0	10.7	4.9	54.8	29.6	0	0	0
<i>Metadesmolaimus gelana</i>	29.7	5.4	0	2.7	62.3	0	0	0	0
<i>Metepsilonema emersum</i>	22.6	0	0	14.6	52.3	9.7	0.8	0	0
<i>Metoncholaimus scanicus</i>	0	0	0	0	0	0	0	0	100
<i>Microlaimus annelisiae</i>	16.3	16.8	10	0	13.9	43	0	0	0
<i>Microlaimus conothesis</i>	0	0	0	0	0	0	100	0	0
<i>Microlaimus conspicuus</i>	0	0	0	0	83.1	0	16.9	0	0
<i>Neochromadora angelica</i>	0	7.6	26.4	3.9	10.3	45.7	6.1	0	0
<i>Odontophora exharena</i>	0	0	0	9.8	24.8	65.4	0	0	0
<i>Odontophora rectangula</i>	7.6	25.6	0	0	14.8	0	52	0	0
<i>Oxyonchus dentatus</i>	0	6.6	15.5	9.6	14.4	49.9	0	4	0
<i>Paralongicyatholaimus macramphus</i>	0	0	0	0	0	8.5	0	0	91.5
<i>Pomponema elegans</i>	0	0	40.7	0	59.3	0	0	0	0
<i>Pomponema multipapillatum</i>	14.3	0	0	16.2	14.3	47	0	8.3	0
<i>Prochromadorella ditlevseni</i>	0	0	11.1	5.4	32.7	50.9	0	0	0
<i>Prochromadorella longicaudata</i>	0	100	0	0	0	0	0	0	0

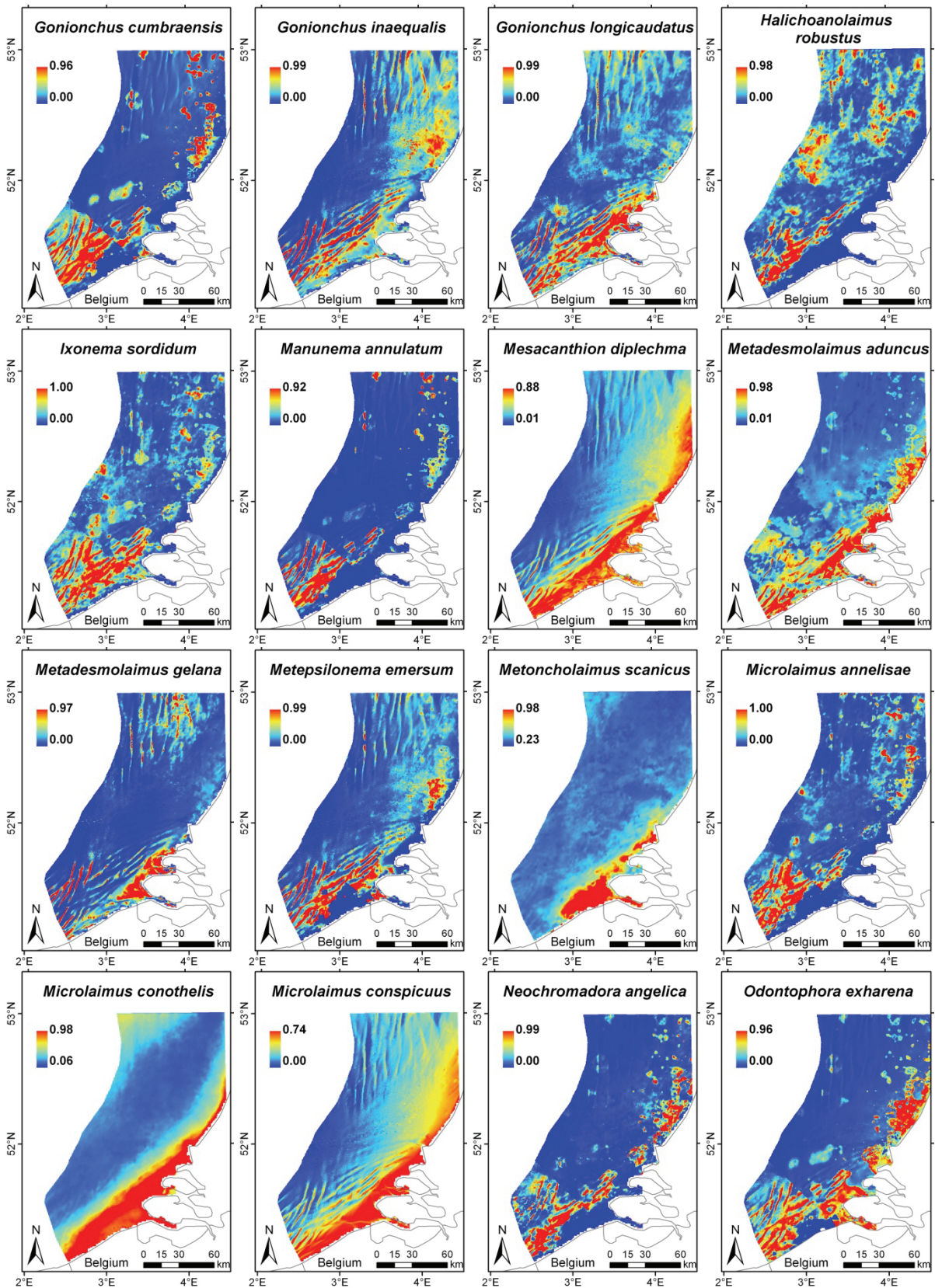


	Average Chl <i>a</i>	Maximum Chl <i>a</i>	Minimum Chl <i>a</i>	Median grain size	Water depth	Silt-clay content	Average TSM	Maximum TSM	Minimum TSM
<i>Ptycholaimellus vincxae</i>	14.1	0	0	3.7	27.4	41.7	9.2	0.4	3.6
<i>Rhynchonema ceramotos</i>	0	10.3	23.1	3.3	0	57.2	0	0	6.1
<i>Rhynchonema lyngei</i>	15.1	6.7	0	12.6	65.6	0	0	0	0
<i>Rhynchonema moorea</i>	9.3	34.1	56.6	0	0	0	0	0	0
<i>Rhynchonema quemer</i>	16.4	0	13.7	16.9	12.4	40.7	0	0	0
<i>Rhynchonema scutatatum</i>	13.2	0	14.4	4.4	12.6	55.4	0	0	0
<i>Sabatieria punctata</i>	0	0	0	0	0	0	0	100	0
<i>Sigmophoranema rufum</i>	11.5	0	0	8	43.4	24.8	0	12.3	0
<i>Siphonolaimus ewensis</i>	0	5.3	13.7	1.1	42.9	36.9	0	0	0
<i>Spilophorella paradoxa</i>	0	0	0	18.3	0	64.3	0	0	17.4
<i>Spirinia parasitifera</i>	0	0	0	0	0	0	86.2	8.8	5
<i>Stephanolaimus bicornatus</i>	0	92.4	0	0	0	7.6	0	0	0
<i>Stephanolaimus elegans</i>	0	0	10	25.1	17.8	37.6	0	9.5	0
<i>Tarvaia angusta</i>	21	0	0	22.1	36.9	20.1	0	0	0
<i>Terschellingia longicaudata</i>	0	0	0	0	0	100	0	0	0
<i>Theristus denticulatus</i>	20.9	0	15.5	5.1	16.8	41.6	0	0	0
<i>Theristus maior</i>	12.9	0	22.3	3.7	17.2	41.8	0	2.2	0
<i>Theristus pertenuis</i>	0	0	0	0	0	40.1	0	59.9	0
<i>Viscosia langrunensis</i>	0	0	0	0.6	20.5	0	75.3	3.5	0
<i>Viscosia separabilis</i>	0.1	99.9	0	0	0	0	0	0	0
<i>Viscosia viscosa</i>	0	0	0	0	0	0	93.2	0	6.8

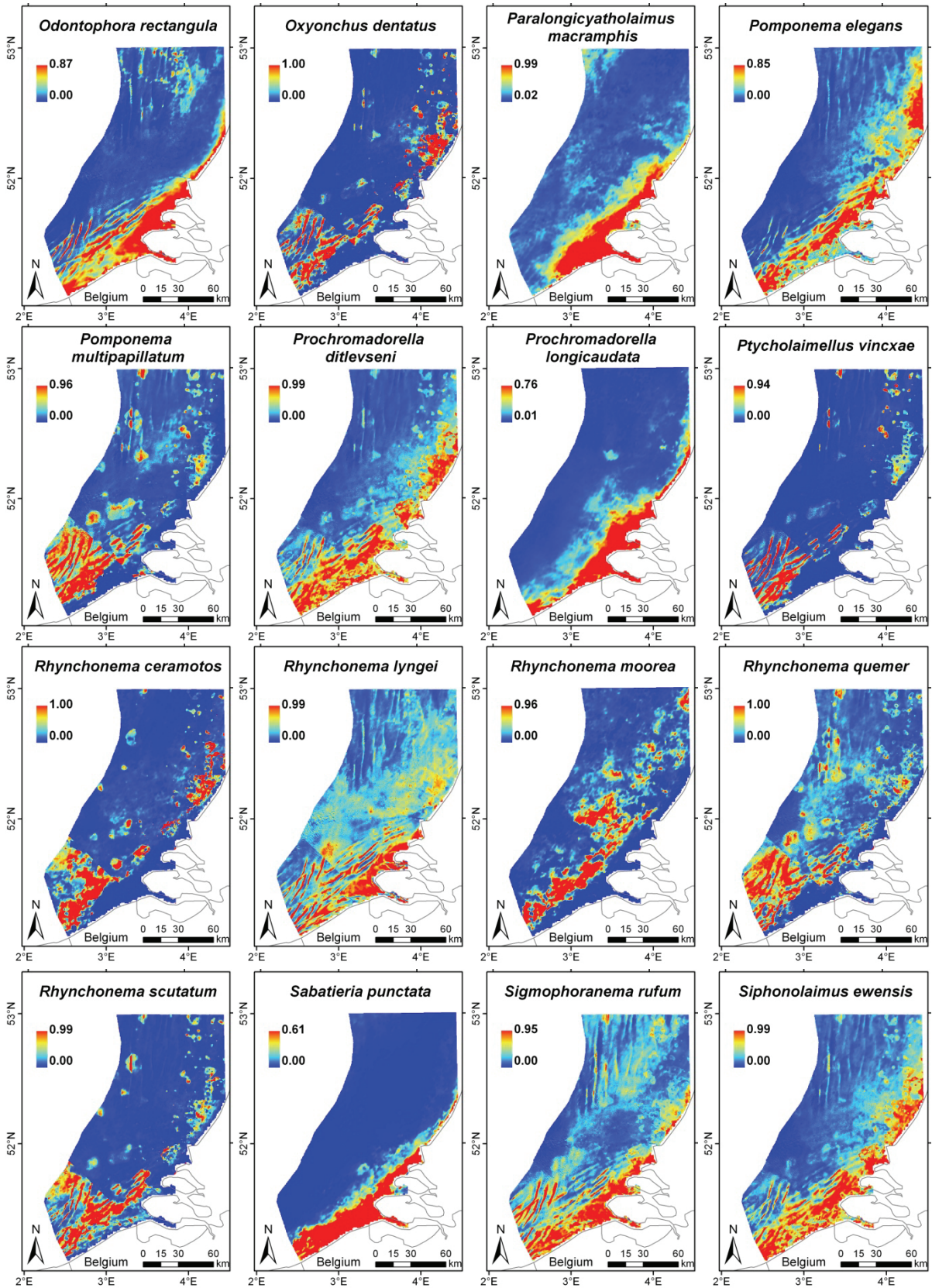


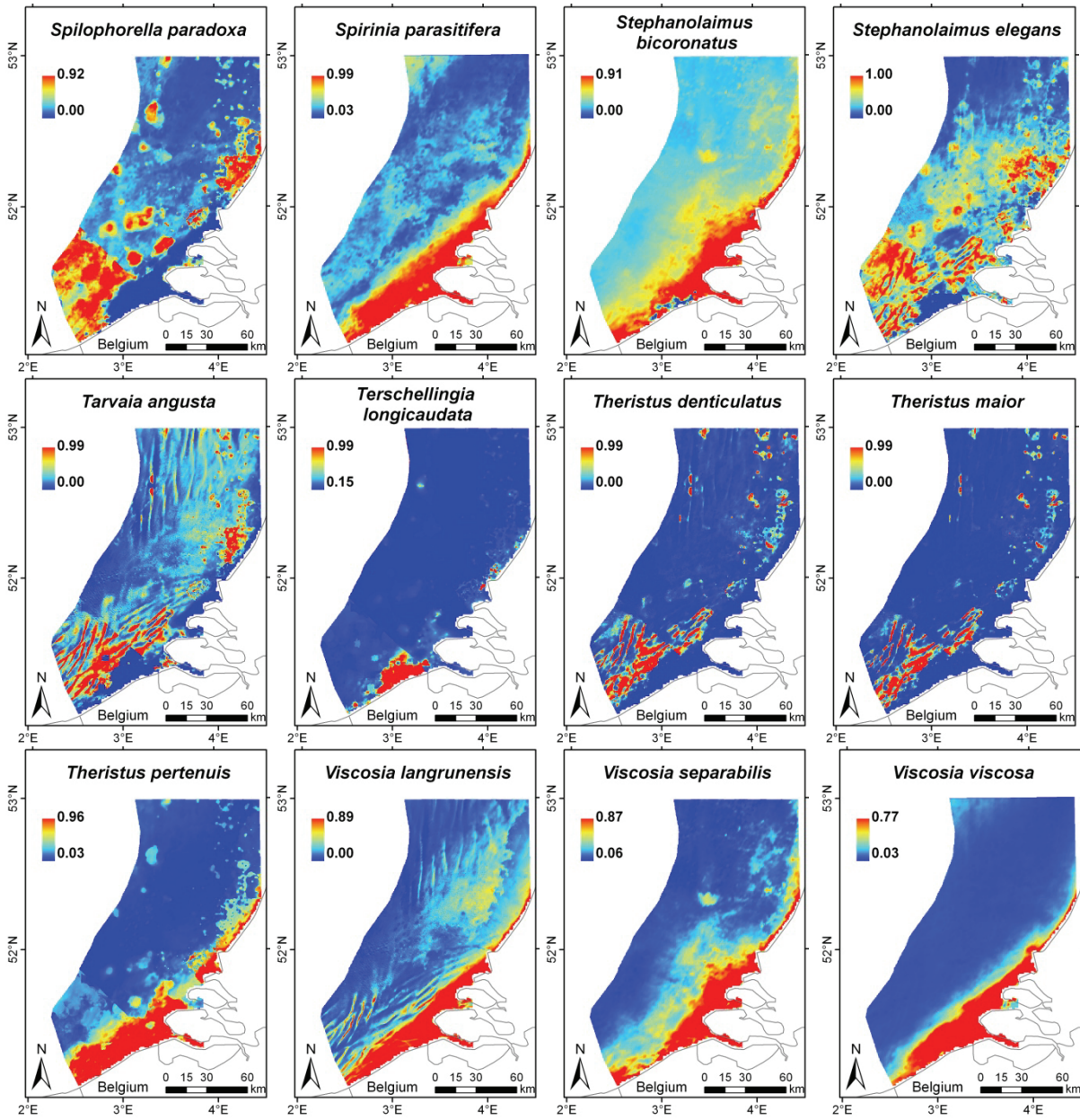












## 10 KM

	Average Chl <i>a</i>	Maximum Chl <i>a</i>	Minimum Chl <i>a</i>	Median grain size	Water depth	Silt-clay content	Average TSM	Maximum TSM	Minimum TSM
<i>Amphimonhystera anechma</i>	18.7	0	12.6	33.3	8.5	26.9	0	0	0
<i>Anomonema deconincki</i>	0	0	0	26.8	25.5	47.7	0	0	0
<i>Anticoma acuminata</i>	0	0	0	27.7	18	54.4	0	0	0
<i>Ascolaimus elongatus</i>	0	0	0	4.4	43.2	52.3	0	0	0
<i>Axonolaimus orcombensis</i>	15.7	0	0	4.4	61.2	18.7	0	0	0
<i>Bathylaimus capacosus</i>	15.5	0	10.8	5.2	65.3	0	0	3.1	0
<i>Bathylaimus parafilicaudatus</i>	3.5	0	0	0.8	95.7	0	0	0	0
<i>Bolbolaimus riemanni</i>	0	0	0	12.4	33.3	54.3	0	0	0
<i>Camacolaimus longicauda</i>	0	0	22.2	9.4	14.2	49.3	3.4	0	1.5
<i>Camacolaimus tardus</i>	0	0	0	0	0	9.7	90.3	0	0
<i>Ceramonema yunfengi</i>	28.3	0	9.2	0	0	53.2	0	3.4	5.9
<i>Daptonema fistulatum</i>	0	0	0	0	0	0	0	100	0
<i>Daptonema hirsutum</i>	0	0	0	0	6.6	20	69.9	0	3.5
<i>Daptonema kornoeense</i>	0	90.3	7.6	0	0	2.1	0	0	0
<i>Daptonema nanum</i>	11.1	0	10.4	0	0	0	78.5	0	0
<i>Daptonema normandicum</i>	0	0	0	0	0	0	0	100	0
<i>Daptonema proprium</i>	0	0	0	0	0	0	0	100	0
<i>Daptonema riemanni</i>	0	100	0	0	0	0	0	0	0
<i>Daptonema tenuispiculum</i>	0	0	0	1.6	0	19	79.4	0	0
<i>Daptonema xyaliforme</i>	0	0	0.2	0	99.8	0	0	0	0
<i>Dasynemoides albaensis</i>	0	0	0	18.9	75.6	0	0	5.6	0
<i>Desmodora schulzi</i>	18.1	0	13.7	34	10.3	23.9	0	0	0
<i>Dichromadora hyalocheile</i>	0	0	0	0	0	33.2	0	0	66.8
<i>Diplopetitula ostrita</i>	26	0	0	7.2	66.8	0	0	0	0
<i>Dracognomus tiniae</i>	23.7	0	7.3	0	11.9	46.5	4.8	0	5.8
<i>Enoplolaimus conicollis</i>	13.4	0	0	7.9	23.2	38.1	9	0	8.5
<i>Gammanema rapax</i>	0	16.8	8.1	6.7	12.6	45.5	7	0	3.3
<i>Gonionchus cumbraensis</i>	10.6	12.4	13.8	2.1	0	61.1	0	0	0

	Average Chl <i>a</i>	Maximum Chl <i>a</i>	Minimum Chl <i>a</i>	Median grain size	Water depth	Silt-clay content	Average TSM	Maximum TSM	Minimum TSM
<i>Gonionchus inaequalis</i>	19.4	0	0	12.1	68.5	0	0	0	0
<i>Gonionchus longicaudatus</i>	15.3	0	0	10	74.7	0	0	0	0
<i>Halichoanolaimus robustus</i>	17.3	0	44.7	21.5	0	0	0	0	16.5
<i>Ixonema sordidum</i>	15.4	11.1	7.4	5.5	15.3	36.6	5.1	0	0
<i>Manunema annulatum</i>	17.3	0	0	0	23.4	49.3	10	0	0
<i>Mesacanthion diplochma</i>	0	0	2.8	0	97.2	0	0	0	0
<i>Metadesmolaimus gelana</i>	26.5	0	6.4	5.2	61.9	0	0	0	0
<i>Microloaimus anneliseae</i>	16.9	13.5	8.1	0	13.3	40.6	7.6	0	0
<i>Microloaimus conothesis</i>	0	9.5	0	0	0	0	76.3	14.3	0
<i>Microloaimus conspicuus</i>	0	0	0	0	99.7	0	0	0	0.3
<i>Odontophora exharena</i>	0	0	0	9.8	24.8	65.4	0	0	0
<i>Odontophora rectangula</i>	0	0	0	0	62.2	0	0	0	37.8
<i>Oxyonchus dentatus</i>	0	6.7	15.2	10.6	14.9	49.3	3.4	0	0
<i>Paralongicyatholaimus macramphis</i>	0	0	0	0	0	0	0	0	100
<i>Pomponema multipapillatum</i>	15.8	0	8	14.2	11.8	42.6	7.6	0	0
<i>Prochromadorella ditlevseni</i>	0	0	24.5	0	0	75.5	0	0	0
<i>Prochromadorella longicaudata</i>	0.9	63.4	2.7	0	0	0	0	33	0
<i>Prochromadorella septempapillata</i>	15.4	0	84.6	0	0	0	0	0	0
<i>Ptycholaimellus vincxae</i>	16.1	0	0	5.4	30.3	47.1	0	1.2	0
<i>Rhynchonema lyngei</i>	15.1	6.7	0	12.6	65.6	0	0	0	0
<i>Rhynchonema megamphida</i>	5	23.7	0	0	0	0	57.8	0	13.5
<i>Rhynchonema quemer</i>	0	23.3	9.4	0	11.4	55.9	0	0	0
<i>Richtersia inaequalis</i>	0	100	0	0	0	0	0	0	0
<i>Sabatieria punctata</i>	0	0	0	0	0	0	0	100	0
<i>Sigmophoranema rufum</i>	16.2	0	0	12.4	58.3	0	0	13.1	0
<i>Siphonolaimus ewensis</i>	0	0	12.7	1.1	86.2	0	0	0	0
<i>Spilophorella paradoxa</i>	21.1	0	10	0	13.7	43.8	11.4	0	0
<i>Stephanolaimus bicornatus</i>	0	93	0	0	0	7	0	0	0

	Average Chl <i>a</i>	Maximum Chl <i>a</i>	Minimum Chl <i>a</i>	Median grain size	Water depth	Silt-clay content	Average TSM	Maximum TSM	Minimum TSM
<i>Stephanolaimus elegans</i>	17.2	0	10.5	20.1	22.5	29.7	0	0	0
<i>Tarvaia angusta</i>	30.6	0	0	16.2	52.3	0	0.9	0	0
<i>Theristus denticulatus</i>	19.3	0	0	0	22.3	48.4	9.9	0	0
<i>Theristus maior</i>	16.1	0	20.8	0	16.7	40.4	6	0	0
<i>Theristus pertenuis</i>	1.2	0	0	0	34.9	60.6	0	0	3.2
<i>Viscosia separabilis</i>	0	100	0	0	0	0	0	0	0
<i>Viscosia viscosa</i>	0	0	0	0	0	0	100	0	0



