Table. List of taxa recorded in the studied river basins during normal-flow and low-flow periods with minimum (Min), maximum (Max) and mean (x̄) relative abundances (%) and frequency (FQ) presented as percentage of samples in which each taxon was recorded for each flow period. Asterisks (*) indicate taxa new for Bulgarian diatom flora.

Taxon	STRUMA								ARDA								MARITSA								TUNDZHA							
	Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow			
	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	FQ	freq	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ
Achnanthidium affine (Grunow) Czarnecki									1	1	1	5					<1	<1	<1	13												
**Achnanthidium atomoides*Monnier, Lange-Bertalot et Ector					2	5	3	25																								
Achnanthidium bioretii (Germain) Monnier, Lange-Bertalot et Ector																	2	2	2	6	<1	<1	<1	20								
**Achnanthidium catenatum*(Bily et Marvan) Lange-Bertalot																				0									1	1	1	20
Achnanthidium cf. *affine* (Grunow) Czarnecki													42	42	42	14																
Achnanthidium cf. *nanum* (Meister) Novais &Jüttner													2	2	2	43	4	4	4	6	<1	7	3	60	<1	<1	<1	5				
Achnanthidium cf. *neocryptocephalum* Novais et Van de Vijver													1	1	1	14									<1	<1	<1	5				
Achnanthidium cf. *neomicrocephalum* Lange-Bertalot et Staab																	2	2	2	6												
Achnanthidium eutrophilum (Lange-Bertalot) Lange-Bertalot	<1	3	2	30	<1	1	<1	50	<1	2	<1	25	<1	7	3	57	<1	2	<1	38	<1	8	3	100	<1	3	1	47	1	3	2	60
Achnanthidium exiguum (Grunow) Czarnecki																	<1	<1	<1	6	<1	<1	<1	40					<1	<1	<1	20
Achnanthidium minutissimum (Kützing) Czarnecki	<1	16	7	80	<1	39	12	75	<1	33	9	90	<1	20	4	86	<1	58	26	94	3	4	3	80	<1	56	17	95	<1	19	7	80
A. minutissimum cf. *inconspicuum* (Østrup) Compère et Riaux-Gobin	<1	<1	<1	10													5	5	5	6												
Achnanthidium pyrenaicum (Hustedt) Kobayasi	<1	88	22	80	<1	62	18	75	7	7	7	5	<1	<1	<1	14	<1	5	1	25					<1	3	2	11	<1	<1	<1	20
Achnanthidium saprophilum (Kobayasi et Mayama) Round et Bukhtiyarova	<1	11	4	50	5	5	5	13	<1	14	5	55	<1	10	3	57	<1	2	1	25	1	1	1	20	<1	17	7	26	2	8	5	40
Achnanthidium subatomus (Hustedt) Lange-Bertalot									<1	<1	<1	15													<1	<1	<1	5				
Adlafia bryophila (Petersen) Moser, Lange-Bertalot et Metzeltin													<1	<1	<1	14					<1	<1	<1	20								
Adlafia minuscula (Grunow) Lange-Bertalot	<1	2	1	40	<1	<1	<1	38	<1	3	<1	70	<1	<1	<1	29	<1	1	<1	38					<1	7	1	42	<1	<1	<1	20
Adlafia minuscula var. *muralis* (Grunow) Lange-Bertalot									<1	10	3	20					<1	<1	<1	13					2	2	2	5				
Amphipleura pellucida (Kützing) Kützing									<1	<1	<1	10					<1	<1	<1	38	<1	2	1	40	<1	<1	<1	16	<1	4	2	60
Amphora cf. *indistincta* Levkov																									1	1	1	5				
Amphora copulata (Kützing) Schoeman et Archibald					<1	<1	<1	38	<1	1	<1	20	<1	1	<1	29	<1	<1	<1	38	<1	<1	<1	40	<1	<1	<1	32	<1	4	1	80

Taxon	STRUMA								ARDA								MARITSA								TUNDZHA							
	Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow			
	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	FQ	frq	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ
Amphora inariensis Krammer	<1	3	2	20	<1	<1	<1	63					<1	<1	<1	14	<1	3	<1	25	1	1	1	20	<1	<1	<1	37	<1	<1	<1	20
Amphora ovalis (Kützing) Kützing	<1	<1	<1	10					<1	<1	<1	5	1	1	1	14	<1	<1	<1	56	<1	1	<1	80	<1	<1	<1	16	<1	<1	<1	40
Amphora pediculus (Kützing) Grunow ex Schmidt	<1	39	12	70	<1	62	18	88	<1	11	3	55	<1	10	5	43	<1	23	8	94	1	9	5	100	<1	28	13	100	4	44	15	100
Aneumastus stroesei (Østrup) Mann													<1	<1	<1	29	<1	<1	<1	6	<1	<1	<1	60								
Aulacoseira ambigua (Grunow) Simonsen																									<1	<1	<1	5				
Aulacoseira granulata (Ehrenberg) Simonsen																					<1	<1	<1	20								
Bacillaria paxillifera (Müller) Marsson																	<1	<1	<1	6	<1	<1	<1	20								
Brachysira exilis (Kützing) Round et Mann									<1	<1	<1	5													<1	<1	<1	5				
Brebissonia lanceolata (Agardh) Mahoney et Reimer													<1	<1	<1	14	<1	<1	<1	13	<1	<1	<1	20	<1	<1	<1	16	<1	<1	<1	40
Caloneis bacillum (Grunow) Cleve	<1	<1	<1	10	<1	<1	<1	25	<1	<1	<1	10					<1	<1	<1	19	<1	<1	<1	20	<1	<1	<1	16				
Caloneis lancettula (Schulz) Lange-Bertalot et Witkowski	<1	<1	<1	20	<1	<1	<1	13	<1	1	<1	30	<1	<1	<1	29	<1	<1	<1	56	<1	<1	<1	40	<1	<1	<1	32	<1	<1	<1	60
Caloneis molaris (Grunow) Krammer	<1	<1	<1	10													<1	<1	<1	6												
Caloneis silicula (Ehrenberg) Cleve					<1	<1	<1	13					<1	<1	<1	14					<1	<1	<1	60	<1	<1	<1	5				
Cocconeis euglypta Ehrenberg	<1	8	3	60	<1	23	7	100	<1	3	<1	50	<1	8	3	86	<1	20	4	56	<1	18	7	100	<1	21	5	68	1	9	5	100
Cocconeis neodiminuta Krammer					<1	<1	<1	13									<1	<1	<1	6					<1	<1	<1	5	2	2	2	20
Cocconeis neothumensis Krammer	<1	2	<1	20	<1	6	2	63																	2	2	2	5	<1	<1	<1	20
Cocconeis pediculus Ehrenberg	<1	33	11	30	<1	6	2	88	<1	1	<1	40	<1	6	2	71	<1	13	3	63	<1	2	1	80	<1	10	2	58	<1	<1	<1	40
Cocconeis placentula var. *lineata* (Ehrenberg) Van Heurck	<1	<1	<1	10													<1	10	2	38					<1	5	1	26	2	2	2	20
Cocconeis pseudolineata (Geitler) Lange-Bertalot	<1	2	<1	30																					<1	<1	<1	5				
Conticribra weissflogii (Grunow) Stachura-Suchoples et Williams													<1	<1	<1	14									<1	<1	<1	5	2	2	2	20
Craticula accomoda (Hustedt) Mann									<1	<1	<1	10					<1	<1	<1	13	<1	<1	<1	20	<1	3	1	16				
Craticula ambigua (Ehrenberg) Mann									<1	<1	<1	5	<1	<1	<1	29									<1	<1	<1	5				
Craticula cuspidata (Kutzing) Mann																					<1	<1	<1	40					<1	<1	<1	20
Craticula halophila (Grunow) Mann																									2	2	2	5				
Craticula molestiformis (Hustedt) Mayama									<1	<1	<1	25					<1	<1	<1	13					<1	<1	<1	5				
Craticula subminuscula (Manguin) Wetzel et Ector	<1	5	2	30	<1	3	1	50	<1	4	1	60	<1	16	7	71	<1	54	9	69	<1	10	5	60	<1	9	2	58	<1	<1	<1	20
Craticula submolesta (Hustedt) Lange-Bertalot																	<1	<1	<1	6												
Cyclostephanos dubius (Hustedt) Round									<1	<1	<1	5					<1	<1	<1	25					<1	6	1	32	<1	3	1	40

Taxon	STRUMA								ARDA								MARITSA								TUNDZHA							
	Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow			
	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	FQ	frq	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ
Cyclotella meneghiniana Kützing									<1	<1	<1	5	<1	<1	<1	71	<1	<1	<1	13	<1	5	2	80	<1	2	<1	26	<1	<1	<1	60
Cyclotella ocellata Pantocsek									<1	<1	<1	10													<1	<1	<1	16	<1	<1	<1	40
Cymatopleura elliptica (Brébisson) Smith									<1	<1	<1	5	<1	<1	<1	14									<1	<1	<1	5				
Cymatopleura solea (Brébisson) Smith													<1	<1	<1	14	<1	<1	<1	6	<1	<1	<1	20	<1	<1	<1	11	<1	<1	<1	20
Cymatopleura solea var. *apiculata* (Smith) Ralfs									<1	<1	<1	5	<1	<1	<1	29	<1	<1	<1	13					<1	<1	<1	21	<1	<1	<1	40
Cymbella compacta Østrup	<1	3	<1	60	<1	3	1	50	<1	11	3	40	<1	<1	<1	14	<1	<1	<1	38	<1	<1	<1	40	<1	10	3	26				
Cymbella cymbiformis var. *nonpunctata* Fontell									<1	<1	<1	5																				
Cymbella excisa Kützing	<1	25	9	50	<1	36	11	75	<1	52	14	75	<1	21	12	71	<1	16	3	69	<1	3	1	60	<1	14	3	42	<1	25	10	60
Cymbella subcistula Krammer					<1	<1	<1	13	<1	6	2	35					<1	<1	<1	13	<1	<1	<1	20								
Cymbella tumida (Brébisson) van Heurck					<1	<1	<1	13					<1	<1	<1	29	<1	<1	<1	6	<1	<1	<1	80	<1	<1	<1	5	<1	1	<1	60
Cymbopleura amphicephala (Nägeli) Krammer																	<1	<1	<1	13												
Denticula tenuis Kützing																	<1	<1	<1	19	<1	<1	<1	20								
Diadesmis confervacea Kützing																					<1	<1	<1	20								
Diadesmis perpusilla (Grunow) Mann					<1	<1	<1	13																								
Diatoma ehrenbergii Kützing	2	5	4	30	<1	<1	<1	13																								
Diatoma mesodon (Ehrenberg) Kützing	<1	<1	<1	40					<1	<1	<1	5					<1	<1	<1	6												
Diatoma moniliformis (Kützing) Williams	<1	4	1	60	<1	1	<1	38	<1	1	<1	30					3	3	3	6					<1	20	4	32				
Diatoma vulgaris Bory	<1	4	2	20	<1	<1	<1	38	<1	<1	<1	50	<1	<1	<1	29	<1	9	5	13	<1	<1	<1	20	<1	6	1	32	<1	<1	<1	40
Diploneis fontanella Lange-Bertalot																									<1	<1	<1	5				
Diploneis krammeri Lange-Bertalot et Reichardt																					<1	<1	<1	20								
Diploneis marginestriata Hustedt																					<1	<1	<1	20	2	2	2	5	<1	<1	<1	20
Diploneis oblongella (Nägeli) Cleve																	<1	<1	<1	6					<1	<1	<1	21				
Diploneis puella (Schumann) Cleve																													<1	<1	<1	20
Encyonema auerswaldii Rabenhorst																	<1	<1	<1	6												
Encyonema caespitosum Kützing	<1	<1	<1	10					<1	1	<1	30	<1	<1	<1	14	<1	<1	<1	19	1	1	1	20	<1	<1	<1	5				
Encyonema minutum (Hilse) Mann	<1	8	3	70	<1	<1	<1	38	<1	21	4	45	<1	<1	<1	57	<1	<1	<1	56	<1	<1	<1	20	<1	1	<1	11				
Encyonema prostratum (Berkeley) Kützing																	<1	<1	<1	13					<1	<1	<1	5				
Encyonema silesiacum (Bleisch) Mann	<1	<1	<1	30					<1	3	<1	40					<1	<1	<1	31					<1	<1	<1	26				

Taxon	STRUMA								ARDA								MARITSA								TUNDZHA							
	Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow			
	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	FQ	frq	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ
Encyonema ventricosum (Agardh) Grunow	2	2	2	20					<1	9	2	60	<1	<1	<1	14	<1	1	<1	69	<1	<1	<1	40	<1	2	<1	58	<1	<1	<1	20
Encyonopsis microcephala (Grunow) Krammer									<1	<1	<1	20	2	3	3	29	<1	38	7	38	3	3	3	20	<1	<1	<1	5	<1	<1	<1	40
Encyonopsis subminuta Krammer et Reichardt									<1	<1	<1	5					1	1	1	6												
Epithemia adnata (Kützing) Brébisson					<1	<1	<1	13	1	1	1	5	<1	28	14	29	<1	6	3	19	2	4	3	60	<1	<1	<1	5	3	3	3	20
Epithemia sorex Kützing	<1	<1	<1	20	<1	5	3	38	<1	4	2	10	<1	22	8	43	<1	12	6	13	2	21	9	60	<1	<1	<1	5	<1	<1	<1	20
Eucocconeis laevis (Østrup) Lange-Bertalot																	<1	<1	<1	6												
Eunotia bilunaris (Ehrenberg) Schaarschmidt																									2	2	2	5	<1	<1	<1	20
Fallacia pygmaea (Kützing) Stickle et Mann													<1	<1	<1	14	<1	<1	<1	6					<1	<1	<1	5				
Fallacia subhamulata (Grunow) Mann																	<1	<1	<1	6	<1	<1	<1	20	<1	1	<1	47	<1	<1	<1	100
Fistulifera pelliculosa (Brébisson) Lange-Bertalot	<1	<1	<1	10					1	1	1	5																				
Fistulifera saprophila (Lange-Bertalot et Bonik) Lange-Bertalot	16	16	16	10	<1	38	13	38	<1	18	6	50	<1	<1	<1	14	6	40	18	19	<1	<1	<1	20	<1	12	7	11				
Fragilaria acus (Kützing) Lange-Bertalot									<1	<1	<1	5																				
Fragilaria capucina Desmazières	<1	<1	<1	20					<1	1	<1	15					<1	<1	<1	31					<1	<1	<1	42	<1	<1	<1	20
Fragilaria construens (Ehrenberg) Grunow																					<1	<1	<1	20								
Fragilaria gracilis Østrup																	<1	<1	<1	6					<1	<1	<1	5				
Fragilaria mesolepta Rabenhorst									4	4	4	5					<1	<1	<1	6					<1	<1	<1	5				
Fragilaria nanana Lange-Bertalot																	<1	<1	<1	6					2	2	2	5				
Fragilaria pararumpens Lange-Bertalot, Hofmann et Werum									<1	1	<1	10	<1	<1	<1	14	<1	<1	<1	6	<1	<1	<1	40								
Fragilaria recapitellata Lange-Bertalot et Metzeltin	<1	<1	<1	10					<1	<1	<1	15																				
Fragilaria rumpens (Kützing) Carlson	<1	<1	<1	10					<1	2	<1	15					4	14	7	19												
Fragilaria vaucheriae (Kützing) Petersen	<1	<1	<1	30	<1	<1	<1	13	<1	3	<1	35	<1	<1	<1	14	<1	3	<1	69	<1	<1	<1	40	<1	<1	<1	32				
Frustulia vulgaris (Thwaites) De Toni	<1	<1	<1	10													<1	<1	<1	6					<1	<1	<1	11				
Geissleria decussis (Østrup) Lange-Bertalot et Metzeltin	<1	<1	<1	30	<1	<1	<1	13	<1	1	<1	45	<1	2	<1	43	<1	<1	<1	38	<1	1	<1	40	<1	<1	<1	5	<1	<1	<1	20
Gomphonema acuminatum Ehrenberg																					<1	<1	<1	20					<1	<1	<1	20
Gomphonema amoenum Lange-Bertalot																	<1	<1	<1	6					<1	<1	<1	11				
Gomphonema augur Ehrenberg																					<1	<1	<1	20								
Gomphonema clavatum Ehrenberg									<1	<1	<1	5					<1	<1	<1	19	3	3	3	20	<1	1	<1	21	<1	<1	<1	40
Gomphonema coronatum Ehrenberg																	<1	<1	<1	6												

Taxon	STRUMA								ARDA								MARITSA								TUNDZHA							
	Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow			
	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	FQ	frq	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ
Gomphonema drutelingense Reichardt																									<1	<1	<1	5				
Gomphonema exilissimum (Grunow) Lange-Bertalot et Reichardt																									<1	<1	<1	5				
Gomphonema gracile Ehrenberg									<1	<1	<1	15	<1	<1	<1	14	<1	<1	<1	13	<1	<1	<1	20	<1	<1	<1	5	<1	<1	<1	60
Gomphonema italicum Kützing													<1	<1	<1	14					<1	<1	<1	40	<1	<1	<1	5				
Gomphonema micropus Kützing	<1	<1	<1	20	<1	<1	<1	13	<1	3	1	20					<1	<1	<1	69					<1	7	1	63	<1	<1	<1	40
Gomphonema minutum (Agardh) Agardh	<1	2	<1	30	<1	<1	<1	50	<1	2	1	25	<1	3	2	57	<1	5	1	56	<1	3	<1	100	<1	6	2	53	2	28	10	80
Gomphonema olivaceoides Hustedt	<1	<1	<1	10																												
Gomphonema olivaceum (Hornemann) Brébisson	<1	6	2	70	<1	<1	<1	38	<1	28	6	60	<1	<1	<1	14	<1	8	2	100	<1	1	<1	60	<1	34	5	95	<1	<1	<1	20
Gomphonema parvulum (Kützing) Kützing	<1	<1	<1	20	<1	4	2	38	<1	1	<1	35	<1	1	<1	71	<1	2	<1	44	<1	2	<1	80	<1	2	<1	68	<1	4	2	80
Gomphonema parvulum f. *saprophilum* Lange-Bertalot et Reichardt									<1	3	1	30	1	6	4	29																
Gomphonema pumilum (Grunow) Reichardt et Lange-Bertalot	<1	<1	<1	30	<1	<1	<1	25	<1	17	8	10	<1	<1	<1	29	<1	9	3	19	<1	1	<1	40	<1	9	2	37	<1	3	1	60
Gomphonema pumilum var. *elegans* Reichardt et Lange-Bertalot	<1	<1	<1	10													<1	1	<1	19					4	4	4	5	<1	<1	<1	20
Gomphonema pumilum var. *rigidum* Reichardt et Lange-Bertalot					<1	<1	<1	13	1	1	1	5	<1	1	<1	29	<1	1	<1	13					<1	30	11	16	<1	2	1	40
Gomphonema subclavatum (Grunow) Grunow																									<1	<1	<1	5	<1	<1	<1	40
Gomphonema tergestinum (Grunow) Fricke	<1	38	14	90	<1	11	3	88	<1	83	16	80	<1	6	2	57	1	6	4	25					<1	<1	<1	26				
Gomphonema truncatum Ehrenberg									<1	<1	<1	15	<1	<1	<1	29	<1	<1	<1	13	<1	2	<1	60	<1	<1	<1	5	<1	<1	<1	20
Grunowia solgensis (Cleve) Aboal	<1	<1	<1	10					<1	<1	<1	9																				
Grunowia tabellaria (Grunow) Rabenhorst																					2	2	2	40								
Gyrosigma acuminatum (Kützing) Rabenhorst													<1	<1	<1	29	<1	<1	<1	13	<1	<1	<1	80	<1	<1	<1	21	<1	1	<1	40
Gyrosigma attenuatum (Kützing) Rabenhorst																									<1	<1	<1	5	<1	<1	<1	20
Gyrosigma nodiferum (Grunow) Reimer									<1	<1	<1	5					<1	<1	<1	6					<1	<1	<1	11	<1	<1	<1	20
Halamphora montana (Krasske) Levkov	<1	<1	<1	10													<1	<1	<1	6									<1	<1	<1	20
Halamphora veneta (Kützing) Levkov									<1	<1	<1	10					<1	<1	<1	19					<1	5	1	21	<1	<1	<1	40
Hannaea arcus (Ehrenberg) Patrick									<1	<1	<1	5																				
Hantzschia amphioxys (Ehrenberg) Grunow	<1	<1	<1	10	<1	<1	<1	25	<1	<1	<1	10	<1	<1	<1	14	<1	<1	<1	13	<1	<1	<1	40					<1	<1	<1	20
Hippodonta capitata (Ehrenberg) Lange-Bertalot, Metzeltin et Witkowski													<1	<1	<1	14	<1	<1	<1	19	<1	<1	<1	80	<1	<1	<1	21	<1	<1	<1	20
Hippodonta costulata (Grunow) Lange-Bertalot, Metzeltin et Witkowski																									<1	<1	<1	11				
**Hippodonta pumila* Lange-Bertalot, Hofmann et Metzeltin													1	4	3	43	<1	<1	<1	6	1	1	1	20								
Karayevia bottnica (Cleve) Lange-Bertalot																	<1	<1	<	6												

Taxon	STRUMA								ARDA								MARITSA								TUNDZHA							
	Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow			
	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	FQ	frq	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ
Karayevia clevei (Grunow) Round et Bukhtiyarova																	<1	<1	<1	6	<1	<1	<1	20								
Karayevia ploenensis (Hustedt) Bukhtiyarova																									<1	<1	<1	11				
Kolbesia gessneri (Hustedt) Aboal																	<1	<1	<1	13	<1	<1	<1	20	<1	1	<1	11				
Lemnicola hungarica (Grunow) Round et Basson																					<1	<1	<1	20	<1	<1	<1	5	<1	<1	<1	20
Luticola goeppertiana (Bleisch ex Rabenhorst) Mann					<1	<1	<1	13																	<1	<1	<1	5	<1	<1	<1	20
Luticola mutica (Kützing) Mann																					<1	<1	<1	20	<1	<1	<1	5				
Luticola ventricosa (Kützing) Mann													<1	<1	<1	14																
**Mayamaea agrestis* (Hustedt) Lange-Bertalot													1	1	1	14					1	1	1	20								
Mayamaea atomus (Kützing) Lange-Bertalot									<1	<1	<1	5													<1	<1	<1	11	<1	<1	<1	20
Mayamaea permitis (Hustedt) Bruder et Medlin	<1	3	2	30	<1	4	2	63	<1	84	12	75	1	11	7	43	<1	15	4	75	<1	<1	<1	40	<1	15	4	47	<1	<1	<1	40
Melosira varians Agardh	<1	<1	<1	50	<1	2	<1	25	<1	22	3	65	<1	<1	<1	43	<1	2	<1	75	<1	3	1	80	<1	3	<1	58	<1	4	2	100
Meridion circulare (Greville) Agardh	<1	<1	<1	10					<1	2	<1	25					<1	<1	<1	75	<1	<1	<1	60	<1	35	5	47	<1	<1	<1	60
Meridion constrictum Ralfs																	<1	<1	<1	6												
Navicula amphiceropsis Lange-Bertalot et Rumrich					<1	<1	<1	13					<1	<1	<1	14					2	2	2	20					2	2	2	20
Navicula antonii Lange-Bertalot	<1	<1	<1	20	<1	2	<1	63	<1	3	<1	65	<1	<1	<1	57	<1	<1	<1	75	<1	<1	<1	80	<1	3	<1	79	<1	1	<1	80
Navicula capitatoradiata Germain	1	1	1	10	<1	5	3	25	<1	<1	<1	15	<1	2	<1	100	<1	<1	<1	50	<1	4	2	60	<1	3	<1	58	<1	2	1	80
Navicula cari Ehrenberg																									<1	<1	<1	5				
Navicula cariocincta Lange-Bertalot	<1	<1	<1	10																												
Navicula catalanogermanica Lange-Bertalot et Hofmann									<1	<1	<1	15					<1	<1	<1	6	<1	<1	<1	20	<1	<1	<1	11				
Navicula cataracta-rheni Lange-Bertalot																													<1	<1	<1	20
Navicula cincta (Ehrenberg) Ralfs					<1	<1	<1	13									<1	<1	<1	6	<1	<1	<1	40								
Navicula cryptocephala Kützing					<1	<1	<1	13	<1	<1	<1	15	<1	<1	<1	14	<1	<1	<1	44	<1	<1	<1	80	<1	1	<1	21	<1	<1	<1	20
Navicula cryptotenella Lange-Bertalot	<1	3	1	70	<1	4	1	88	<1	10	2	45	<1	15	5	71	<1	4	1	94	<1	7	3	80	<1	22	5	89	<1	5	3	100
Navicula cryptotenelloides Lange-Bertalot	<1	1	<1	40	<1	<1	<1	25	<1	<1	<1	5	<1	4	2	57	<1	<1	<1	19	3	7	5	40	<1	5	2	37	<1	2	2	60
**Navicula densilineolata* (Lange-Bertalot) Lange-Bertalot																													<1	<1	<1	20
Navicula erifuga Lange-Bertalot																	<1	<1	<1	6	<1	<1	<1	20					<1	<1	<1	20
Navicula escambia (Patrick) Metzeltin et Lange-Bertalot																					<1	<1	<1	20					<1	<1	<1	20

Taxon	STRUMA								ARDA								MARITSA								TUNDZHA							
	Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow			
	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	FQ	frq	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ
**Navicula gerloffii* Schimanski																									<1	<1	<1	5				
Navicula germainii Wallace									<1	<1	<1	5																				
Navicula gregaria Donkin	<1	6	2	50	<1	<1	<1	63	<1	2	<1	60	<1	4	2	71	<1	4	<1	50	<1	3	<1	80	<1	5	1	63	<1	<1	<1	40
Navicula kotschyi Grunow																													<1	<1	<1	20
Navicula lanceolata Ehrenberg	<1	2	1	70	<1	<1	<1	38	<1	<1	<1	5					<1	4	1	25					<1	2	<1	32	<1	<1	<1	20
Navicula libonensis Schoeman									<1	<1	<1	5																				
Navicula meniscus Schumann									<1	<1	<1	5																	<1	<1	<1	20
Navicula novaesiberica Lange-Bertalot	<1	<1	<1	20	<1	<1	<1	25	<1	1	<1	30	<1	<1	<1	14	<1	<1	<1	25	<1	<1	<1	20	<1	<1	<1	16				
Navicula oppugnata Hustedt																													<1	<1	<1	20
Navicula porifera var.*opportuna* (Hustedt) Lange-Bertalot									<1	<1	<1	5																				
Navicula radiosa Kützing									<1	<1	<1	5					<1	<1	<1	38	<1	<1	<1	40	<1	<1	<1	16	<1	<1	<1	40
Navicula recens (Lange-Bertalot) Lange-Bertalot																									<1	<1	<1	5				
Navicula reichardtiana Lange-Bertalot	<1	6	2	70	<1	4	1	100	<1	8	3	85	<1	<1	<1	57	<1	10	2	94	1	2	2	40	<1	11	2	84	<1	2	1	80
Navicula reinhardtii (Grunow) Grunow																	<1	<1	<1	6												
Navicula rostellata Kützing													1	1	1	29													<1	<1	<1	40
**Navicula seibigiana* Lange-Bertalot																									1	1	1	5				
Navicula simulata Manguin																									<1	<1	<1	5	2	2	2	20
Navicula slesvicensis Grunow																									<1	<1	<1	5				
Navicula subplacentula Hustedt																									<1	<1	<1	5				
**Navicula tenelloides* Hustedt																									<1	<1	<1	5				
Navicula tripunctata (Müller) Bory	<1	4	1	90	<1	1	<1	88	<1	<1	<1	45	<1	<1	<1	14	<1	8	1	94	<1	1	<1	60	<1	5	2	89	<1	5	2	80
Navicula trivialis Lange-Bertalot									<1	1	<1	20					<1	<1	<1	25	<1	<1	<1	20	<1	<1	<1	26	<1	<1	<1	40
Navicula vandamii Schoeman et Archibald																					<1	<1	<1	40								
Navicula veneta Kützing	<1	<1	<1	10	1	1	1	13	<1	<1	<1	20	<1	<1	<1	14	<1	<1	<1	19	<1	<1	<1	20	<1	1	<1	32				
Navicula viridula (Kützing) Ehrenberg																	<1	<1	<1	6	<1	<1	<1	80					<1	<1	<1	20
**Navicula wiesneri* Lange-Bertalot																	<1	<1	<1	6												
Neidium binodeforme Krammer																									<1	<1	<1	11				
Neidium dubium (Ehrenberg) Cleve									<1	<1	<1	5					<1	<1	<1	6												
Neidium perforatum Schimanski																					<1	<1	<1	20								

Taxon	STRUMA								ARDA								MARITSA								TUNDZHA							
	Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow			
	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	FQ	fr q	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ
Nitzschia acicularis (Kützing) Smith					<1	8	4	25	<1	2	<1	40					<1	<1	<1	38	<1	<1	<1	20	<1	<1	<1	11	<1	<1	<1	20
Nitzschia agnita Hustedt																	<1	<1	<1	6									<1	<1	<1	20
Nitzschia amphibia Grunow	<1	<1	<1	20	<1	<1	<1	13	<1	<1	<1	25	1	12	6	43	<1	3	<1	44	14	37	25	40	<1	3	1	37	<1	10	7	60
Nitzschia angustatula Lange-Bertalot																													<1	<1	<1	20
Nitzschia archibaldii Lange-Bertalot	<1	<1	<1	10					7	12	9	15	1	1	1	14	1	1	1	6												
Nitzschia capitellata Hustedt					<1	<1	<1	13	<1	4	<1	40	1	1	1	14	<1	<1	<1	6					<1	14	3	32	<1	<1	<1	40
Nitzschia communis Rabenhorst	<1	<1	<1	10	1	1	1	13																	<1	<1	<1	5				
Nitzschia desertorum Hustedt																									<1	<1	<1	5				
Nitzschia dissipata (Kützing) Rabenhorst	1	4	2	70	<1	4	1	75	<1	14	2	65	<1	<1	<1	29	<1	9	2	94	<1	3	<1	80	<1	14	4	95	<1	6	2	100
Nitzschia dissipata var. *media* (Hantzsch) Grunow	<1	<1	<1	10													<1	<1	<1	25					<1	4	2	16				
Nitzschia draveillensis Coste et Ricard									<1	<1	<1	5					<1	1	<1	19	<1	<1	<1	20								
**Nitzschia elegantula* Grunow																					5	5	5	20								
Nitzschia fonticola (Grunow) Grunow	<1	52	10	70	<1	23	12	63	<1	20	4	80	<1	8	3	100	<1	8	2	94	<1	3	1	100	<1	6	1	79	<1	<1	<1	60
Nitzschia frustulum (Kützing) Grunow									<1	<1	<1	5													<1	2	1	16	2	2	2	20
Nitzschia gracilis Hantzsch																	<1	<1	<1	6												
Nitzschia hantzschiana Rabenhorst					<1	<1	<1	13	8	8	8	5													<1	<1	<1	5				
Nitzschia heufleriana Grunow									<1	<1	<1	5					<1	<1	<1	6					<1	<1	<1	11				
Nitzschia inconspicua Grunow	1	11	5	40	1	7	4	38	<1	3	1	65	2	27	7	71	<1	16	5	88	5	24	11	80	<1	11	3	68	<1	3	2	80
Nitzschia intermedia Hantzsch																					<1	<1	<1	20								
Nitzschia lacuum Lange-Bertalot																	<1	<1	<1	6												
Nitzschia linearis Smith	<1	<1	<1	30	<1	2	<1	63	<1	4	1	70	<1	<1	<1	14	<1	<1	<1	88	<1	<1	<1	40	<1	2	<1	89	<1	1	<1	60
Nitzschia microcephala Grunow													<1	<1	<1	14																
Nitzschia palea (Kützing) Smith	<1	1	<1	20	<1	3	1	63	<1	7	2	85	<1	1	<1	57	<1	4	<1	56	<1	1	<1	80	<1	13	2	47	<1	2	<1	100
Nitzschia palea var. *debilis* (Kützing) Grunow																									<1	<1	<1	16				
Nitzschia paleacea (Grunow) Grunow	<1	5	1	70	<1	19	6	88	<1	58	10	85	<1	15	3	100	<1	15	3	81	<1	10	4	80	<1	14	3	84	1	12	4	80
Nitzschia perminuta (Grunow) Peragallo	<1	<1	<1	20	<1	<1	<1	13	<1	3	1	15	<1	<1	<1	14	<1	1	<1	13					<1	<1	<1	21	<1	<1	<1	40
Nitzschia pusilla Grunow	<1	<1	<1	10																					<1	<1	<1	5				
Nitzschia recta Hantzsch ex Rabenhorst	<1	<1	<1	10					<1	<1	<1	15	<1	<1	<1	14	<1	<1	<1	44					<1	1	<1	47	<1	1	<1	60

Taxon	STRUMA								ARDA								MARITSA								TUNDZHA							
	Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow			
	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	FQ	frq	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ
Nitzschia sigmoidea (Nitzsch) Smith																									<1	<1	<1	16	<1	<1	<1	20
Nitzschia sociabilis Hustedt	<1	<1	<1	20					<1	<1	<1	5					<1	<1	<1	13					<1	4	<1	32	<1	<1	<1	20
Nitzschia supralitorea Lange-Bertalot																	<1	<1	<1	6					2	2	2	5				
Nitzschia tryblionella Hantzsch																									<1	<1	<1	5				
Pinnularia borealis Ehrenberg																					<1	<1	<1	40	<1	<1	<1	11				
Pinnularia brebissonii (Kützing) Rabenhorst																									<1	<1	<1	11				
Pinnularia microstauron var. *nonfasciata* Krammer																													<1	<1	<1	20
Pinnularia rupestris Hantzsch	<1	<1	<1	10																												
Placoneis gastrum (Ehrenberg) Mereschkovsky																					<1	<1	<1	40								
Placoneis hambergii (Hustedt) Bruder																	<1	<1	<1	6												
Placoneis minor (Grunow) Lange-Bertalot													<1	<1	<1	14					<1	<1	<1	40					<1	<1	<1	20
Placoneis paraelginensis Lange-Bertalot	<1	<1	<1	10																												
Placoneis placentula (Ehrenberg) Mereschkowsky									<1	<1	<1	5									<1	<1	<1	20								
Placoneis pseudanglica Cox																					<1	<1	<1	20								
Planothidium delicatulum (Kützing) Round et Bukhtiyarova																									<1	<1	<1	5				
Planothidium frequentissimum (Lange-Bertalot) Lange-Bertalot	<1	<1	<1	30	<1	3	1	75	<1	1	<1	55	<1	5	2	43	<1	8	3	88	<1	6	2	100	<1	14	2	95	<1	4	2	100
Planothidium lanceolatum (Brébisson ex Kützing) Lange-Bertalot	<1	<1	<1	30	<1	<1	<1	63	<1	<1	<1	30					<1	1	<1	94	<1	<1	<1	20	<1	13	2	68	<1	1	<1	40
**Planothidium minutissimum* (Krasske) Lange-Bertalot													<1	<1	<1	14					<1	<1	<1	40								
Planothidium rostratum (Østrup) Lange-Bertalot	<1	<1	<1	10									<1	<1	<1	14	<1	<1	<1	13	<1	<1	<1	40	<1	1	<1	26	<1	2	1	40
Platessa conspicua (Ant.Mayer) Lange-Bertalot																	<1	<1	<1	6												
Prestauroneis protractoides (Hustedt) Liu et Kociolek	<1	<1	<1	10																												
Psammothidium cf. *grischunum* (Wuthrich) Bukhtiyarova et Round													<1	<1	<1	14	<1	1	<1	13					2	11	6	11				
Psammothidium cf. *rossii* (Hustedt) Bukhtiyarova et Round																	<1	<1	<1	6	1	1	1	20								
Pseudofallacia monoculata (Hustedt) Liu, Kociolek et Wang																									<1	<1	<1	5				
Pseudostaurosira brevistriata (Grunow) Williams et Round													13	13	13	14	<1	2	<1	19	<1	5	3	60	<1	<1	<1	5	<1	<1	<1	20
Pseudostaurosira parasitica (Smith) Morales																	<1	<1	<1	13					<1	<1	<1	11				
Reimeria sinuata (Gregory) Kociolek et Stoermer	<1	6	2	80	<1	5	2	75	<1	4	1	50	<1	46	14	86	<1	16	6	56	1	2	2	40	<1	5	2	42				
Reimeria uniseriata Sala, Guerrero et Ferrario					<1	<1	<	25	<1	<1	<1	5	<1	<1	<	43	<1	2	<	69	<1	3	1	60	<1	5	<	63	<1	<1	<	80

Taxon	STRUMA								ARDA								MARITSA								TUNDZHA							
	Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow			
	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	FQ	frq	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ
							1								1				1								1				1	
Rhoicosphenia abbreviata (Agardh) Lange-Bertalot	<1	6	3	20	<1	<1	<1	50					<1	<1	<1	14	<1	4	<1	75	<1	9	3	80	<1	7	2	89	<1	32	8	100
Rhopalodia gibba (Ehrenberg) Müller					<1	<1	<1	13	<1	<1	<1	10	<1	6	3	29	<1	<1	<1	19	<1	8	3	60	<1	<1	<1	11	<1	<1	<1	20
Rhopalodia parallela (Grunow) Müller																					1	1	1	20								
Sellaphora atomoides (Grunow) Wetzel et Van de Vijver																									1	1	1	5				
Sellaphora bacillum (Ehrenberg) Mann	<1	<1	<1	10	<1	<1	<1	13	<1	<1	<1	5	<1	1	<1	43	<1	<1	<1	25	<1	<1	<1	60					<1	<1	<1	20
Sellaphora mutatoides Lange-Bertalot et Metzeltin																	<1	<1	<1	13	<1	<1	<1	40								
Sellaphora nigri (De Notaris) Wetzel et Ector	<1	2	<1	50	<1	2	1	63	<1	43	5	75	<1	9	3	86	<1	4	1	63	<1	11	4	100	<1	8	2	47	<1	9	3	80
Sellaphora pupula (Kützing) Mereschkovsky	<1	<1	<1	10					<1	1	<1	10	<1	<1	<1	57	<1	<1	<1	6	<1	<1	<1	40	<1	<1	<1	21	<1	<1	<1	40
Sellaphora seminulum (Grunow) Mann																	<1	<1	<1	13	<1	<1	<1	20	<1	<1	<1	5	<1	<1	<1	20
Simonsenia delognei (Grunow) Lange-Bertalot																	<1	<1	<1	6	<1	<1	<1	20	<1	<1	<1	11	<1	<1	<1	40
Stauroneis cf. *agrestis* Petersen																									<1	<1	<1	5				
Stauroneis smithii Grunow	<1	<1	<1	20					<1	<1	<1	5																	<1	<1	<1	40
Staurosira construens f. *venter* (Ehrenberg) Bukhtiyarova																					3	3	3	20					<1	<1	<1	20
Staurosira construens var. *binodis* (Ehrenberg) Hamilton									<1	<1	<1	5	2	2	2	14	21	21	21	6	<1	<1	<1	20								
Staurosirella leptotauron (Ehrenberg) Williams et Round													<1	<1	<1	14	<1	<1	<1	25	<1	1	<1	40	<1	<1	<1	5	<1	<1	<1	20
Stephanodiscus hantzschii f. *tenuis* (Hustedt) Håkansson et Stoermer																					<1	<1	<1	20	5	5	5	5				
Stephanodiscus invisitatus Hohn et Hellermann																	<1	<1	<1	13	<1	<1	<1	20	<1	<1	<1	5				
Stephanodiscus minutulus (Kützing) Cleve et Möller																	<1	<1	<1	6					<1	<1	<1	5	<1	<1	<1	20
Stephanodiscus parvus Stoermer et Håkansson									<1	<1	<1	15	<1	<1	<1	14	<1	2	1	13	<1	<1	<1	20	<1	3	<1	21				
Surirella angusta Kützing					<1	<1	<1	25	<1	<1	<1	45					<1	<1	<1	31	<1	<1	<1	40	<1	<1	<1	42	<1	1	<1	60
Surirella brebissonii Krammer et Lange-Bertalot									<1	3	<1	30					<1	<1	<1	25					<1	6	2	32				
Surirella brebissonii var. *kuetzingii* Krammer et Lange-Bertalot	<1	<1	<1	20	<1	<1	<1	25	<1	<1	<1	15					<1	<1	<1	13					<1	3	<1	63	<1	4	2	60
Surirella brightwellii Smith									<1	<1	<1	5	<1	<1	<1	14																
Surirella helvetica Brun																									<1	<1	<1	5				
Surirella minuta Brébisson ex Kützing	<1	<1	<1	20					<1	<1	<1	20					<1	<1	<1	44					<1	1	<1	32				
Synedrella subconstricta (Grunow) Round et Maidana	<1	<1	<1	10													<1	<1	<1	13												
Thalassiosira pseudonana Hasle et Heimdal																	1	1	1	6	<1	<1	<1	20	<1	3	1	11				
Thalassiosira visurgis Hustedt																									<1	<1	<	5				

Taxon	STRUMA								ARDA								MARITSA								TUNDZHA							
	Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow				Normal-Flow				Low-Flow			
	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	FQ	frq	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ	Min	Max	x̄	FQ
																											1					
Tryblionella apiculata Gregory									<1	<1	<1	10	<1	<1	<1	14	<1	<1	<1	25	<1	<1	<1	20	<1	1	<1	26	<1	<1	<1	40
Tryblionella calida (Grunow) Mann																					<1	<1	<1	40					<1	1	<1	40
Tryblionella debilis Arnott ex O'Meara																									<1	<1	<1	11	<1	<1	<1	20
Tryblionella hungarica (Grunow) Frenguelli																									<1	<1	<1	5				
Tryblionella levidensis Smith																									<1	<1	<1	5				
Ulnaria delicatissima (Smith) Aboal et Silva									<1	<1	<1	5																				
Ulnaria ulna (Nitzsch) Compère	<1	<1	<1	70	<1	4	1	100	<1	43	4	85	<1	6	2	71	<1	5	<1	94	<1	4	2	80	<1	5	1	47	<1	<1	<1	100