

Diatom Algae-Indicators of Water Quality in the Lower Zarafshan River, Uzbekistan

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Supplementary Materials

Table S1. Taxonomical list of diatom algae with abundance scores and autecology of species revealed in the Zarafshan River, 2009–2015.

Taxa	Khatirchi	Pakhtakor	Navoi	Gizhduvon	Bukhara	Karakul	Hab	T	Oxy	pH	Sal	D	Sap	S	Tro	Aut-Het
<i>Achmanthes coarctata</i> (Brébisson ex W.Smith) Grunow	0	3	0	0	0	3	B	-	ae	ind	hl	-	x	0.20	ot	-
<i>Achmanthes dispar</i> var. <i>angustissima</i> Jasnitsky	0	0	0	0	0	5	-	-	-	-	-	-	-	-	-	-
<i>Achmanthes neoskortzowii</i> Simonsen	0	0	0	0	3	3	B	-	-	ind	i	-	-	-	-	-
<i>Achmanthes profunda</i> Skvortzov	0	0	0	0	1	0	-	-	-	-	-	-	-	-	-	-
<i>Achmanthes striata</i> Skvortzov	0	0	0	0	0	3	B	-	-	ind	i	-	-	-	-	-
<i>Achmanthidium exile</i> (Kützing) Heiberg	0	0	0	0	1	0	B	-	str	alb	i	sx	o-a	1.80	o-m	ats
<i>Achmanthidium minutissimum</i> (Kützing) Czarnecki	3	0	0	3	0	0	P-B	eterm	st-str	ind	i	es	x-b	0.95	o-e	ate
<i>Achmanthidium nodosum</i> (Cleve) Tseplik & Chudaev	0	0	0	3	0	0	B	-	-	acf	hb		o	1.0	ot	-
<i>Achmanthidium pyrenaicum</i> (Hustedt) H.Kobayasi	0	1	0	1	0	0	B	-	-	alf	mh	sx	x-o	0.40	-	-
<i>Adlafia minuscula</i> (Grunow) Lange-Bertalotn.	0	0	1	0	0	0	P-B	-	st-str	ind	-	es	a-o	2.80	ot	-
<i>Amphora commutata</i> Grunow	0	0	0	0	0	3	B	-	-	-	hl	-	-	-	e	-
<i>Amphora libyca</i> Ehrenberg	0	0	0	0	0	1	P	-	-	-	-	-	b	2.20	-	-
<i>Amphora ovalis</i> (Kützing) Kützing var. <i>ovalis</i>	3	0	0	0	0	3	B	temp	st-str	alf	i	sx	o-b	1.50	me	ate
<i>Amphora ovalis</i> var. <i>gracilis</i> (Ehrenberg) Van Heurck	0	0	0	0	0	3	B	-	-	alf	i	sx	o-b	1.50	-	-
<i>Amphora pediculus</i> (Kützing) Grunow	0	0	0	0	0	3	B	temp	st	alf	i	es	b-o	1.70	o-m	ate
<i>Amphora proteus</i> var. <i>baicalensis</i> Skvortzov	0	0	0	0	3	0	-	-	-	-	-	-	-	-	-	-
<i>Amphora subconstricta</i> Levkov	0	0	0	0	0	3	B	-	-	alf	i	-	-	-	-	-
<i>Aneumastus tuscula</i> (Ehrenberg) D.G.Mann & A.J.Stickle	0	1	0	0	0	0	P-B	-	-	alf	i	-	x-b	0.90	o-e	-

<i>Anomooneis costata</i> (Kützing) Hustedt	0	0	3	0	0	0	B	-	-	-	mh	-	a-o	2.70	-	-
<i>Brachysira microcephala</i> (Grunow) Compère	5	0	0	0	0	0	B	-	-	-	-	-	o	1.00	o- m	-
<i>Caloneis amphisbaena</i> (Bory) Cleve	0	0	0	0	3	0	B	-	st-str	alf	i	-	b	2.30	me	ate
<i>Caloneis bacillum</i> (Grunow) Cleve	0	0	0	0	0	5	B	temp	st-str	ind	i	es	o	1.30	me	ats
<i>Caloneis dubia</i> Krammer	0	0	0	0	0	3	P-B	-	st-str	-	hb	-	o	1.00	ot	-
<i>Caloneis fossilis</i> Cleve-Euler	0	0	0	0	1	0	-	-	-	-	-	-	-	-	-	-
<i>Caloneis leptosoma</i> (Grunow) Krammer	3	0	0	0	0	3	B	-	str	ind	i	-	o	1.00	ot	ats
<i>Caloneis molaris</i> (Grunow) Krammer	1	0	0	0	0	0	B	-	str	ind	i	es	o	1.00	ot	-
<i>Campylodiscus echeensis</i> Ehrenberg ex Kützing	0	0	0	0	3	0	P	-	st	-	hl	-	-	-	-	-
<i>Cocconeis lineata</i> Ehrenberg	0	0	3	0	0	3	P-B	-	st-str	alf	i	sx	o	1.20	o- m	ate
<i>Cocconeis neodiminuta</i> Krammer	3	3	0	0	3	0	P-B	temp	st-str	alf	i	sx	x-b	0.90	me	-
<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	1	0	0	0	0	5	P-B	temp	st-str	alf	i	sx	o	1.30	o- m	ate
<i>Cocconeis disculus</i> (Schumann) Cleve	0	0	3	0	0	0	B	-	st	alf	i	es	o-x	0.70	me	-
<i>Craticula halophila</i> (Grunow) D.G.Mann var. <i>halophila</i>	0	0	3	3	0	0	B	-	st-str	alf	mh	es	a	3.00	e	ate
<i>Craticula halophila</i> var. <i>subcapitata</i> (Østrup) Czarnecki	0	3	0	0	0	3	B	-	st-str	alf	mh	es	-	-	-	-
<i>Craticula simplex</i> (Krasske) Levkov	0	0	0	0	0	3	B	-	-	alb	i	-	-	-	-	-
<i>Crenotia thermalis</i> (Rabenhorst) Wojtal	0	0	0	0	5	0	B	eterm	st-str	ind	mh	sx	x	0.30	o- m	-
<i>Ctenophora pulchella</i> (Ralfs ex Kützing) D.M.Williams & Round var. <i>pulchella</i>	0	3	0	0	0	0	P-B	-	st-str	alf	i	-	b	2.30	o- m	ate
<i>Ctenophora pulchella</i> var. <i>lanceolata</i> (O'Meara) L.Bukhtiyarova	3	3	0	0	0	0	P-B	-	-	alf	I	-	b	2.00	-	-
<i>Cyclostephanos dubius</i> (Hustedt) Round	0	0	0	1	1	0	P-B	-	st-str	alf	I	es	b	2.00	o- m	ate
<i>Cyclostephanos mansfeldensis</i> Houk, Kleen & H.Tanaka	0	0	0	0	3	0	P	-	-	ind	i	-	-	-	-	-
<i>Cyclotella choctawhatcheeana</i> Prasad	0	0	0	0	0	3	P	-	-	-	hl	-	-	-	-	-
<i>Cyclotella comta</i> var. <i>spectabilis</i> Cleve-Euler	0	0	3	0	0	0	-	-	-	-	-	-	-	-	-	-
<i>Cyclotella distinguenda</i> Hustedt var. <i>distinguenda</i>	0	3	3	0	0	3	P	-	str	alf	hl	-	o	1.30	-	-
<i>Cyclotella distinguenda</i> var. <i>unipunctata</i> (Hustedt) Håkansson & J.R.Carter	0	3	0	0	3	0	P	-	-	ind	i	-	-	-	-	-
<i>Cyclotella melosiroides</i> (Kirchner) Lemmermann	0	3	0	0	3	0	P	-	-	-	i	-	-	-	-	-
<i>Cyclotella meneghiniana</i> Kützing	0	0	1	3	3	1	P-B	temp	st	alf	hl	sp	a-o	2.80	e	hne

<i>Cyclotella operculata</i> var. <i>mesoleia</i> Grunow	0	0	0	0	0	3	P	-	-	ind	i	-	-	-	-	-
<i>Cylindrotheca closterium</i> (Ehrenberg) Reimann & J.C.Lewin	0	0	0	0	0	3	B	-	-	alf	I	-	b	2.00	-	-
<i>Cymbella affinis</i> Kützing	0	0	0	0	0	3	B	temp	st-str	alf	i	sx	o	1.10	ot	ats
<i>Cymbella aspera</i> (Ehrenberg) Cleve	0	0	0	0	0	3	B	-	st-str	neu	i	es	x	0.30	o-e	ats
<i>Cymbella bergii</i> Kisselev	0	0	0	0	0	3	B	-	-	-	eu	-	-	-	-	-
<i>Cymbella cistula</i> (Ehrenberg) O.Kirchner	3	0	0	0	0	3	B	-	st-str	alf	i	sx	o	1.20	e	ats
<i>Cymbella cymbiformis</i> C.Agardh	0	0	0	0	5	0	B	temp	str	ind	i	sx	b	2.00	o-m	ats
<i>Cymbella helvetica</i> Kützing var. <i>helvetica</i>	0	0	0	0	3	3	B	-	str	ind	i	-	o-x	0.60	o-m	-
<i>Cymbella helvetica</i> var. <i>curta</i> Cleve	0	0	0	0	0	3	B	-	-	alf	i	-	-	-	-	-
<i>Cymbella helvetica</i> var. <i>punctata</i> Hustedt	0	0	0	0	0	3	B	-	-	-	i	-	-	-	-	-
<i>Cymbella laevis</i> Nägeli	0	0	0	0	3	0	B	cool	-	ind	i	sx	-	-	-	-
<i>Cymbella lanceolata</i> (C.Agardh) C.Agardh var. <i>lanceolata</i>	3	0	3	3	0	0	B	-	str	alf	i	sx	o-b	1.50	me	ats
<i>Cymbella lanceolata</i> var. <i>notata</i> Wislouch & Poretzky	0	0	0	0	0	0	B	-	-	-	hl	-	-	-	-	-
<i>Cymbella skvortzovii</i> Skabitshevsky	0	0	0	0	3	3	B	-	-	ind	i	-	-	-	-	-
<i>Cymbella tartuensis</i> Molder	0	0	3	0	3	0	B	-	-	ind	i	-	-	-	-	-
<i>Cymbella tumida</i> (Brébisson) Van Heurck	0	0	3	0	0	0	B	temp	str	alf	i	sx	b	2.20	me	ats
<i>Cymbella tumidula</i> Grunow	0	0	0	0	0	3	B	-	-	alf	i	-	x	-	-	ats
<i>Cymbella turgidula</i> Grunow	0	0	0	0	0	3	B	-	st-str	ind	-	es	-	-	-	-
<i>Cymbopleura austriaca</i> (Grunow) Krammer	0	0	0	0	0	3	B	-	-	ind	i	-	-	-	-	-
<i>Cymbopleura lata</i> (Grunow ex Cleve) Krammer	0	0	0	0	3	0	B	-	-	ind	i	sx	-	-	-	-
<i>Cymbopleura naviculiformis</i> (Auerswald ex Heiberg) Krammer	0	0	3	0	0	3	B	-	st-str	ind	i	es	o	1.20	o-m	ate
<i>Diatoma tenue</i> C.Agardh	0	0	0	0	0	0	P-B	-	st-str	ind	hl	sx	o	1.30	e	ate
<i>Diatoma vulgare</i> Bory	1	0	3	0	1	0	P-B	-	st-str	ind	i	sx	b	2.20	me	ate
<i>Diploneis smithii</i> (Brébisson) Cleve var. <i>smithii</i>	0	0	0	0	0	3	B	-	-	alf	i	-	b	2.00	o-m	-
<i>Diploneis smithii</i> var. <i>pumila</i> (Grunow) Hustedt	0	0	0	3	3	5	B	-	-	alf	mh	es	-	-	-	-
<i>Discostella stelligera</i> (Cleve & Grunow) Houk & Klee	0	3	3	0	0	0	P	-	-	ind	i	-	o-b	1.40	o-m	-
<i>Encyonema elginense</i> (Krammer) D.G.Mann	0	0	0	0	0	3	B	temp	st	acf	hb	sx	o-b	1.50	-	-
<i>Encyonema minutum</i> (Hilse ex Rabenh.) D.G.Mann	0	0	3	0	3	3	B	-	st-str	ind	i	sx	o	1.20	o-e	ate
<i>Encyonopsis falaisensis</i> (Grunow) Krammer	0	1	0	0	1	0	B	-	str	-	hb	es	o	1.00	o-m	ats
<i>Entomoneis alata</i> (Ehrenberg) Ehrenberg	0	0	0	0	1	3	P-B	-	st	alf	mh	-	b	2.00	-	-

<i>Entomoneis japonica</i> (Cleve) K.Osada	0	0	0	0	0	1	-	-	-	-	-	-	-	-	-	-
<i>Entomoneis ornata</i> (Bailey) Reimer	3	3	0	0	0	0	B	-	st-str	alf	i	-	o-b	1.50	o-m	ats
<i>Entomoneis paludosa</i> (W.Smith) Reimer var. <i>paludosa</i>	3	0	0	0	0	0	P-B	-	-	alf	hl	-	b-a	2.50	m	-
<i>Entomoneis paludosa</i> var. <i>duplex</i> (Donkin) Makarova & Achmetova	3	0	3	0	3	3	-	-	-	-	-	-	-	-	-	-
<i>Entomoneis paludosa</i> var. <i>subsalina</i> (Cleve) Krammer	0	0	3	0	0	3	B	-	-	-	hl	-	-	-	-	-
<i>Eolimna minima</i> (Grunow) Lange-Bertalot & W.Schiller	0	0	0	0	3	0	B	-	-	alf	hl	es	a-o	2.60	e	hne
<i>Eunotia glacialis</i> F.Meister	0	0	0	0	0	1	B	-	-	ind	hb	-	o-x	0.60	-	-
<i>Eunotia minor</i> (Kützing) Grunow	0	0	0	0	0	3	B	-	-	acf	hb	es	x-o	0.40	ot	-
<i>Eunotia pectinalis</i> (Kützing) Rabenhorst	0	0	0	0	0	1	B	-	str	ind	I	sx	x	0.30	m	ate
<i>Eunotia pseudopectinalis</i> Hustedt	0	0	0	0	0	1	B	cool	str	acf	hb	-	x-o	0.40	o-m	ats
<i>Eunotia vanheurckii</i> R.M.Patrick	0	0	0	0	0	3	B	temp	st-str	acf	i	sx	o	1.10	o-m	ats
<i>Fallacia reichardtii</i> (Grunow) Witkowski, Lange-Bertalot & Metzeltin 2000	0	0	0	0	3	0	P-B	-	st	alf	i	sx	b-o	1.7	o-m	ate
<i>Fallacia subhamulata</i> (Grunow) D.G.Mann	0	0	0	0	0	3	B	-	-	-	-	-	o-a	1.80	-	-
<i>Fragilaria capucina</i> Desmazières	0	0	0	0	1	0	P-B	-	-	ind	i	es	b-o	1.60	m	-
<i>Fragilaria vaucheriae</i> (Kützing) J.B.Petersen	0	0	3	0	3	0	P-B,Ep	-	st-str	alf	i	sx	o-a	1.95	e	ate
<i>Fragilariforma bicapitata</i> (A.Mayer) D.M.Williams & Round	0	0	3	3	0	0	P-B	-	str	ind	hb	-	o	1.30	o-e	ats
<i>Fragilariforma virescens</i> (Ralfs) D.M.Williams & Round	0	0	3	0	0	0	P-B	-	st	ind	i	es	x-o	0.40	o-m	ats
<i>Gomphonema acuminatum</i> var. <i>brebissonii</i> (Kützing) Cleve	0	0	0	0	1	3	B	-	st	ind	i	-	b	2.00	-	-
<i>Gomphonema capitatum</i> Ehrenberg	0	0	0	3	0	0	B	temp	-	alf	i	sx	o-b	1.40	-	-
<i>Gomphonema constrictum</i> Ehrenberg var. <i>constrictum</i>	3	0	0	0	0	3	B	-	-	-	i	-	-	-	-	-
<i>Gomphonema constrictum</i> var. <i>capitatum</i> (Ehrenberg) Grunow	0	0	0	0	3	0	B	-	-	-	i	-	-	-	-	-
<i>Gomphonema gracile</i> Ehrenberg	0	0	0	3	0	0	B	temp	st	alf	i	es	x-b	0.80	m	ats
<i>Gomphonema grunowii</i> R.M.Patrick & Reimer	0	0	3	0	0	3	B	temp	-	alf	i	-	b	2.00	-	-
<i>Gomphonema intricatum</i> Kützing	0	1	0	3	0	0	B	-	st-str	ind	i	es	o	1.10	-	-
<i>Gomphonema lagenula</i> Kützing	0	0	0	0	3	0	B	-	-	-	-	-	-	-	m	-
<i>Gomphonema parvulum</i> (Kützing) Kützing	0	0	3	3	0	0	B	temp	str	ind	i	es	b	2.35	o-m	hne
<i>Gomphonema tergestinum</i> (Grunow) Fricke	0	0	0	0	3	5	B	-	str	ind	i	es	o	1.30	o-m	ats

<i>Navicula rotaeana</i> (Rabenh.) Grunow	0	0	0	0	3	0	P-B	-	st	ind	i	-	o-x	0.70	ot	-
<i>Navicula slesvicensis</i> Grunow	0	0	0	0	1	0	P-B	-	st-str	alf	hl	es	a-o	2.60	o-m	ate
<i>Navicymbula pusilla</i> (Grunow) Krammer	0	3	3	0	0	0	B	-	-	alf	mh	es	-	-	-	-
<i>Neidium lanceolata</i> Skvortzov	0	0	0	3	0	0	B	-	-	-	-	-	-	-	-	-
<i>Nitzschia acicularis</i> (Kützing) W.Smith	0	3	3	0	0	0	P-B	temp	-	alf	i	es	a-o	2.70	e	hce
<i>Nitzschia angularis</i> W.Smith	3	0	0	0	5	3	B	-	-	-	eu	-	-	-	-	-
<i>Nitzschia angustata</i> var. <i>curta</i> Grunow in Van & Heurck	0	0	0	3	0	0	P-B	-	-	ind	i	-	-	-	-	-
<i>Nitzschia dissipata</i> (Kützing) Rabenhorst	0	3	3	3	0	0	B	-	st-str	alf	i	sx	b-o	1.70	me	ate
<i>Nitzschia intermedia</i> Hantzsch	0	0	0	0	0	3	B	-	-	-	hl	-	-	-	-	-
<i>Nitzschia lorenziana</i> var. <i>subtilis</i> Grunow	0	0	3	0	0	0	B	-	-	-	mh	-	-	-	-	-
<i>Nitzschia palea</i> var. <i>debilis</i> (Kützing) Grunow	3	0	0	0	0	0	B	-	-	neu	i	es	a-o	2.80	ot	-
<i>Nitzschia paleacea</i> (Grunow) Grunow	3	3	3	0	0	0	P-B	-	st-str	alf	i	es	b	2.20	e	hce
<i>Nitzschia recta</i> Hantzsch ex Rabenhorst	0	0	0	3	0	3	B	-	st	ind	i	es	o-b	1.50	o-m	ate
<i>Nitzschia regula</i> Hustedt	0	0	3	0	3	0	-	-	-	-	-	-	o	1.00	-	-
<i>Nitzschia sigma</i> (Kützing) W.Smith	3	0	3	0	0	0	B	temp	st-str	alf	mh	es	a	3.00	e	ate
<i>Nitzschia sublinearis</i> Hustedt	3	3	0	0	3	0	P-B	-	-	alf	i	es	a	3.00	me	-
<i>Nitzschia tubicola</i> Grunow	0	0	0	0	0	3	B	-	-	ind	hl	es	-	-	-	-
<i>Nitzschia vermicularis</i> (Kützing) Hantzsch	0	0	3	0	3	3	P-B	-	str	alf	i	-	b	2.20	m	-
<i>Nitzschia vitrea</i> G.Norman	0	0	0	0	3	0	P-B	-	-	alf	mh	-	a-o	2.70	e	-
<i>Nupela neogracillima</i> Kulikovskiy & Lange-Bertalot	0	0	0	0	5	0	B	-	-	-	i	-	o	1.20	ot	-
<i>Odontidium anceps</i> (Ehrenberg) Ralfs	0	3	0	0	0	0	P-B	cool	st-str	neu	hb	sx	o-x	0.60	ot	-
<i>Odontidium hyemale</i> (Roth) Kützing	3	3	0	0	3	0	P-B	cool	st-str	ind	hb	sx	x	0.30	ot	ats
<i>Odontidium mesodon</i> (Kützing) Kützing	0	0	0	0	0	0	B	cool	st-str	neu	hb	sx	x-o	0.40	ot	ats
<i>Pantocsekiella kuetzingiana</i> (Thwaites) K.T.Kiss & E.Ács	3	3	1	0	0	0	P-B	temp	st	ind	I	sp	b	2.1	o-m	-
<i>Pantocsekiella rossii</i> (H.Håkansson) K.T.Kiss & E.Ács	0	0	0	0	0	6	P	-	st	ind	-	-	x-b	0.9	ot	-
<i>Paralia scabrosa</i> (Østrup) Moiseeva	3	3	0	0	0	0	B	-	-	ind	i	-	-	-	-	-
<i>Parlibellus protractus</i> (Grunow) Witkowski, Lange- Bertalot & Metzeltin	0	0	0	0	0	3	B	-	st-str	ind	mh	es	b-o	1.70	e	ate
<i>Peroniopsis heribaudii</i> (J.Brun & M.Peragallo) Hustedt	0	0	0	0	1	3	-	-	-	-	-	-	-	-	-	-
<i>Pinnularia angulosa</i> Krammer	0	0	0	0	0	3	B	-	-	ind	i	-	o	1.00	ot	-
<i>Pinnularia borealis</i> Ehrenberg	0	3	3	0	0	0	B	-	ae	ind	i	es	x-o	0.40	o-m	ate

<i>Pinnularia brebissonii</i> (Kützing) Rabenhorst	3	3	0	0	0	0	B	cool	st-str	ind	i	-	p-a	-	-	ats
<i>Pinnularia microstauron</i> (Ehrenberg) Cleve	0	0	0	3	3	0	P-B	temp	st-str	ind	i	sp	o-x	0.70	ot	ate
<i>Pinnularia oriunda</i> Krammer	0	0	3	0	0	0	B	-	-	neu	i	-	o	1.00	ot	-
<i>Pinnularia sudetica</i> Hilse	0	0	3	3	0	0	B	-	-	acf	I	-	x-o	0.40	o-m	-
<i>Pleurosira laevis</i> (Ehrenberg) Compère	5	5	0	0	0	0	B	temp	-	alf	mh	-	o	1.00	e	-
<i>Psammothidium marginulatum</i> (Grunow) Bukhtiyarova & Round	0	0	0	0	0	3	B	-	st-str	acf	hb	sx	x	0.20	ot	ats
<i>Rhoicosphenia abbreviata</i> (C.Agardh) Lange-Bertalot	0	0	5	3	0	3	B	-	st-str	alf	i	es	o-a	1.90	me	ate
<i>Sellaphora americana</i> (Ehrenberg) D.G.Mann	0	0	0	0	1	0	B	-	str	alf	i	-	o-b	1.50	ot	ats
<i>Sellaphora bacillum</i> (Ehrenberg) D.G.Mann	0	0	0	0	0	3	B	-	st-str	alf	i	sx	o-b	1.50	me	ats
<i>Sellaphora lambda</i> (Cleve) Metzeltin & Lange-Bertalot	0	0	3	0	0	0	B	-	-	-	i	-	-	-	-	-
<i>Sellaphora mutata</i> (Krasske) Lange-Bertalot	0	0	0	0	3	5	B	-	st	ind	hl	es	o-a	1.90	o-m	-
<i>Sellaphora pupula</i> (Kützing) Mereschkovsky	0	0	0	0	3	0	B	eterm	st	ind	hl	sx	o-a	1.90	me	ate
<i>Sellaphora rostrata</i> (Hustedt) J.R.Johansen	0	0	0	0	0	3	B	temp	-	ind	hl	-	o-a	1.90	-	-
<i>Sellaphora wummensis</i> J.R.Johansen.	0	0	0	0	5	0	B	-	-	ind	hl	es	o-a	1.90	me	-
<i>Stauroneis anceps</i> Ehrenberg	1	3	0	3	0	0	P-B	-	st-str	ind	i	sx	o	1.30	o-m	ate
<i>Stauroneis parvula</i> (Grunow) Cleve	3	0	0	0	3	0	B	-	st	ind	mh	sx	o	1.00	-	-
<i>Stauroneis smithii</i> var. <i>karelica</i> Wislouch & Kolbe	0	0	0	3	0	0	B	cool	-	-	i	-	o	1.00	ot	-
<i>Stausosira subsalina</i> (Hustedt) Lange-Bertalot	0	0	3	0	0	0	P-B	-	-	alf	i	-	o	1.00	o-m	-
<i>Stausosirella martyi</i> (Héribaud) E.A.Morales & K.M.Manoylov	0	0	0	0	1	1	P-B	-	st-str	alf	i	es	o	1.10	o-m	-
<i>Stenopterobia intermedia</i> (Lewis) Van Heurck	0	0	0	3	0	0	B	-	-	acf	hb	-	x-o	0.40	-	-
<i>Surirella angustata</i> Kützing	0	0	0	0	3	3	P-B	-	st-str	alf	i	-	b-o	1.70	e	-
<i>Surirella didyma</i> var. <i>minor</i> Skvortzov	0	0	0	0	3	0	B	-	-	-	i	-	-	-	-	-
<i>Surirella grunowii</i> Kulikovskiy, Lange-Bertalot & Witkovski	0	0	0	0	0	1	B	-	-	ind	i	sx	b	2.00	o-m	-
<i>Surirella ovalis</i> Brébisson	0	0	3	0	0	0	P-B	-	st-str	alf	I	es	a	3.00	me	ate
<i>Surirella salina</i> W.Smith	0	0	0	3	0	0	B	-	st-str	ind	i	es	o-a	1.85	-	-
<i>Surirella splendida</i> (Ehrenberg) Kützing	3	0	3	0	3	0	P-B	-	st-str	alf	i	-	o-x	0.70	me	-
<i>Surirella turgida</i> var. <i>skvortzowii</i> (Meyer) Kisselev	0	0	0	0	0	3	-	-	-	-	-	-	-	-	-	-
<i>Synedra famelica</i> Kützing	0	0	5	0	0	0	P-B	-	str	alf	i	es	o	1.30	m	ats
<i>Tabellaria fenestrata</i> (Lyngbye) Kützing	0	0	3	3	0	0	P-B	-	st-str	ind	i	es	x	0.30	o-m	ats

<i>Tabellaria flocculosa</i> (Roth) Kützing	0	0	3	0	3	0	P-B	eterm	st-str	acf	i	es	o-x	0.60	ot	ats
<i>Tabularia tabulata</i> (C.Agardh) Snoeijis	0	1	0	0	0	1	-	-	-	-	mh	-	-	-	-	-
<i>Tryblionella debilis</i> Arnott ex O'Meara	0	3	0	0	0	0	P-B	-	ae	alf	i	es	a-o	2.60	-	ate
<i>Ulnaria delicatissima</i> var. <i>angustissima</i> (Grunow) Aboal & P.C.Silva	0	0	0	0	3	0	P	-	-	alf	i	es	b-o	1.70	o-m	-
<i>Ulnaria ulna</i> (Nitzsch) Compère var. <i>ulna</i>	3	3	3	3	3	0	P-B	temp	st-str	ind	i	es	b	2.25	o-e	ate
<i>Ulnaria ulna</i> var. <i>aequalis</i> (Kützing) Aboal	0	0	0	0	3	0	P-B	-	-	alf	i	sp	b	2.00	o-m	-
<i>Ulnaria ulna</i> var. <i>spathulifera</i> (Grunow) Aboal	3	0	0	0	3	0	B	-	-	alf	i	-	b-o	1.70	-	-

Note: Khatirchi, Pakhtakor, Navoi, Gizhduvon, Bukhara, Karakul – sampling sites. Abbreviation for ecological groups: Habitat preferences (Hab): B, benthic; P-B, planktonic-benthic; P, planktonic. Water temperature (T): cool, cool-loving species; temp, temperate temperature water inhabitants; eterm, eurythermic species, warm, warm water inhabitants. Streaming and Oxygenation (Oxy): aer, aerophiles, str, streaming waters inhabitant; st-str, low streaming waters inhabitant; st, standing water inhabitant. Water pH (pH): acf, acidophilic species; ind, indifferent; alf, alkaliphilic species; alb, alkalibiontes. Water salinity (Sal): hb, halophobe; i, oligohalobious-indifferent; hl, oligohalobious-halophilous; mh, mesohalobious. Organic pollution, Watanabe (D): sx, saproxenes, es, eury saprobes; sp, saprophiles. Organic pollution and self-purification zones by Sládeček (Sap): indicators of Class of Water Quality I: x – 0.0 – xenosaprobiont; x-o – 0.4 – xeno-oligosaprobiont; Class of Water Quality II: o-x – 0.6 – oligo-xenosaprobiont; x-b – 0.8 – xeno-beta-mesosaprobiont; o – 1.0 – oligosaprobiont; o-b – 1.4 – oligo-beta-mesosaprobiont; Class of Water Quality III: b-o – 1.6 – beta-oligosaprobiont; o-a – 1.8 – oligo-alpha-mesosaprobiont; b – 2.0 – beta-mesosaprobiont; b-a – 2.4 – beta-alpha-mesosaprobiont; Class of Water Quality IV: a-o – 2.6 – alpha-oligosaprobiont; a – 3.0 – alpha-mesosaprobiont. Index saprobity s (S): species-specific index saprobity according Sládeček. Trophic state (Tro): ot, oligotraphentic; o-m, oligo-mesotraphentic; m, mesotraphentic; me, meso-eutraphentic; e, eutraphentic; o-e, oligo- to eutraphentic. Nutrition type as Nitrogen uptake metabolism (Aut-Het): ats, nitrogen-autotrophic taxa, tolerating very small concentrations of organically bound nitrogen; ate, nitrogen-autotrophic taxa, tolerating elevated concentrations of organically bound nitrogen; hne, facultatively nitrogen-heterotrophic taxa, needing periodically elevated concentrations of organically bound nitrogen; hce, nitrogen-heterotrophic taxa, needing elevated concentrations of organically bound nitrogen.