

Table S1 of the ESI. Water content, loss-on-ignition (LOI), and measured element concentrations in superficial sediments collected at 25 littoral stations located in 11 lakes of the Rouyn-Noranda mining area.

Lake	Station	Water content	LOI	Ag	Al	Au	Ca	Cd	Cu	Fe	Hg	Mn	Ni	P	Pb	Ti	Zn
		%	%	µg/g dw				ng/g dw				µg/g dw					
Bousquet	BO-1	63.1	6.2	0.38	58370	0.013	20160	1.4	14	20775	35.1	735	26.8	517	16.0	2433	71
	BO-2	80.1	8.4	0.42	61250	0.018	18700	2.0	23	36540	60.3	2196	46.7	707	33.3	2719	128
	BO-3	77.0	7.8	0.41	64075	0.017	18470	1.9	24	33210	59.8	1611	53.3	681	29.4	2716	137
	BO-4	55.2	5.8	0.35	58820	0.011	19100	1.0	11	20230	37.8	705	43.4	415	12.8	2179	70
Bouzan	BZ-1	90.5	22.9	1.58	54840	0.052	13620	24.5	895	28990	201.2	430	50.0	1105	424	2409	638
Caron	CA-1	55.8	11.1	0.39	67290	0.025	17430	2.6	41	36180	41.4	1250	52.4	674	20.5	2992	155
	CA-2	74.0	7.2	0.42	62320	0.038	18585	2.8	54	25420	52.0	828	40.2	745	25.3	2643	249
	CA-3	73.4	6.3	0.50	71220	0.085	18410	6.1	75	37300	75.5	2782	54.4	772	46.0	3069	453
Dufault	DT-1	88.1	17.3	2.47	53050	0.218	15770	35.9	2574	43400	299.5	1519	46.7	847	921	2362	2701
Dufay	DU-1	58.7	3.1	0.36	68450	0.012	18375	0.7	8	27390	55.0	1248	32.7	500	11.8	2357	63
	DU-2	65.6	5.0	0.37	60180	0.015	16890	0.8	12	21240	44.5	841	30.8	486	15.0	2280	71
	DU-3	62.1	4.4	0.36	60445	0.010	16460	0.8	9	18570	39.5	1132	24.5	373	17.2	2025	55
Evain	EV-1	73.1	6.8	0.42	65355	0.023	19940	1.1	31	35880	54.0	1562	87.6	689	20.4	3274	107
	EV-2	68.8	4.9	0.33	61570	0.025	17810	0.9	24	29020	34.9	1118	45.1	616	17.2	3207	80
Moore	MO-1	94.7	42.2	2.70	33740	0.089	14590	39.7	1636	22690	338.9	309	36.5	1601	912	1299	767
Ollier	OL-1	84.7	16.9	0.47	64720	0.204	14930	2.4	126	38120	160.6	1936	59.0	894	40.3	2933	211
	OL-2	86.1	10.3	0.48	61120	0.330	14055	2.8	147	35530	148.6	2837	62.1	955	50.2	2949	270
Opasatica	OP-1	51.7	3.8	0.35	68480	0.018	20840	0.6	16	41090	18.5	1197	94.8	701	8.4	3264	69
	OP-2	48.8	3.1	0.52	65570	0.016	20000	0.7	16	26790	22.2	1017	36.7	720	18.3	2397	65

Lake	Station	Water content	LOI	Ag	Al	Au	Ca	Cd	Cu	Fe	Hg	Mn	Ni	P	Pb	Ti	Zn
		%	%	µg/g dw				ng/g dw				µg/g dw					
Renaud Vaudray	OP-3	78.6	10.0	0.40	66260	0.024	18460	1.2	39	42940	57.7	3766	63.8	1067	20.6	3166	124
	OP-4	58.3	5.2	0.38	64910	0.024	22205	0.7	21	32160	29.2	972	45.8	704	8.8	3091	64
	RE-1	79.6	12.0	0.51	67680	0.344	15580	2.7	178	33250	114.1	523	51.8	784	50.9	2779	230
	VA-1	63.5	4.2	0.37	56740	0.012	18500	1.2	12	15510	19.5	462	20.9	311	18.7	1947	52
	VA-2	61.7	3.9	0.38	59370	0.013	19240	2.1	17	19530	28.6	952	27.4	407	28.6	2190	87
	VA-3	69.7	5.7	0.39	55100	0.012	17540	2.9	30	19560	61.4	1167	27.9	448	43.6	2094	111
Max:min		1.9	14	8.2	2.1	34	1.6	66	234	2.8	18	12	3.5	4.3	110	2.5	52

Table S2 of the ESI. Physical and chemical characteristics, as well as trace metal and major ion concentrations in water overlying sediments at 25 littoral stations located in 11 lakes of the Rouyn-Noranda mining area.

Station	TP µg/L	Chl <i>a</i> µg/L	pH	DOC mg/L	Ca	Cl	CO ₃	K	Mg	Na	NO ₃	SO ₄	Al	Fe	Mn	Cd	Cu nM	Zn	Cd ²⁺	Cu ²⁺ nM	Zn ²⁺
BO-1	11.5	1.62	7.22	10.3	114	32.1	217	10.2	48.5	59.6	3.7	58.0	3.25	1.32	0.150	0.46	62.8	45.3	0.34	1.70	36
BO-2	4.9	1.52	6.89	11.3	97.6	28.2	117	9.5	44.0	60.0	2.0	57.3	3.53	1.28	0.066	0.52	51.6	39.3	0.39	1.80	33
BO-3	6.6	1.64	6.76	10.9	99.3	29.3	66.6	10.2	45.3	58.7	2.3	57.2	3.39	1.21	0.066	0.49	51.6	45.3	0.41	2.10	31
BO-4	7.7	1.59	6.79	12.0	87.8	35.6	108	9.2	42.0	60.5	1.5	57.8	2.79	1.78	0.383	0.52	43.9	69.4	0.43	1.50	34
BZ-1	39.9	6.52	9.8	8.0	178	31.8	350	2.6	100	103	0.7	110	1.76	0.24	0.050	0.41	162	21.9	0.21	1.10	8.3
CA-1	6.8	1.28	7.53	8.5	313	84.7	341	22.2	104	162	24.1	261	1.19	0.47	0.035	0.44	71.4	23.9	0.38	1.40	23
CA-2	6.8	1.28	7.46	8.2	300	81.1	366	22.8	98.7	149	25.3	243	1.61	0.52	0.036	0.45	69.9	41.3	0.44	1.50	29
CA-3	6.8	1.28	7.45	8.6	321	86.1	341	22.3	107	167	24.1	269	1.29	0.46	0.024	0.52	64.8	29.2	0.36	1.00	20
DT-1	1.9	0.88	7.55	4.3	419	142	383	18.8	123	186	0.2	410	0.40	0.17	0.174	2.97	128	419	1.80	10	219
DU-1	6.6	2.40	6.79	8.4	66.4	5.2	125	13.0	46.9	44.4	4.6	56.7	1.54	0.55	0.040	0.20	41.1	6.7	0.10	1.40	6.1
DU-2	5.4	2.92	6.64	8.8	67.1	5.1	108	12.8	49.4	45.2	3.9	57.7	1.80	0.50	0.079	0.20	30.4	6.3	0.10	0.80	7.1
DU-3	6.8	2.80	6.69	8.7	68.1	5.0	108	13.3	48.1	45.2	3.0	57.4	1.48	0.54	0.142	0.25	34.8	5.0	0.11	1.10	2.7
EV-1	7.4	3.81	7.62	6.7	165	45.4	383	21.2	90.9	188	0.7	70.8	0.80	0.29	0.042	0.05	62.2	4.4	0.02	1.90	6.0
EV-2	5.2	1.95	7.58	6.5	166	26.0	383	21.5	89.7	204	1.1	70.1	0.71	0.25	0.049	0.06	54.8	6.4	0.03	1.1	10
MO-1	10.8	2.84	7.06	6.2	247	37.0	566	10.7	93.0	227	1.1	81.2	0.27	0.78	0.199	0.72	83.2	67.3	0.53	--	48
OL-1	5.9	2.09	7.66	5.5	331	14.6	475	15.9	109	214	0.7	204	0.35	0.08	0.354	0.04	46.7	3.5	0.03	1.2	8.0
OL-2	5.1	1.49	7.5	5.4	328	14.6	491	16.1	107	217	0.7	202	0.20	0.11	2.374	0.13	56.0	7.8	0.10	2.0	15

Station	TP μg/L	Chl <i>a</i> μg/L	pH	DOC mg/L	Ca	Cl	CO ₃	K	Mg	Na	NO ₃	SO ₄	Al	Fe	Mn	Cd	Cu nM	Zn	Cd ²⁺	Cu ²⁺ nM	Zn ²⁺
OP-1	6.5	1.59	7.76	6.1	212	84.9	474	23.0	99.2	121	1.0	91.0	2.25	1.03	0.089	0.11	59.0	8.4	0.08	3.0	30
OP-2	5.9	1.55	7.64	7.6	202	83.9	432	23.8	98.3	120	1.2	86.6	0.57	0.19	0.060	0.03	66.4	4.9	0.04	3.1	15
OP-3	7.3	1.66	7.43	6.4	215	88.3	450	23.8	102	127	1.7	91.3	0.54	0.20	0.314	0.05	40.8	3.8	0.05	1.4	7.0
OP-4	6.0	1.72	7.96	6.0	212	85.2	458	23.5	102	123	1.0	92.4	0.43	0.12	0.121	0.04	44.2	6.6	0.04	1.0	6.0
RE-1	10.4	2.63	9.42	6.1	486	429	649	15.3	160	459	0.8	295	0.75	0.04	0.018	0.04	37.9	4.4	0.01	0.10	4.0
VA-1	1.8	2.73	7.27	6.5	67.5	5.8	139	10.3	33.5	31.8	4.7	56.2	1.82	0.36	0.014	0.60	47.8	27.1	0.48	2.1	29
VA-2	1.8	2.73	7.27	7.2	71.4	6.0	158	9.2	33.7	33.1	3.8	56.5	1.86	0.25	0.013	0.65	59.2	27.4	0.46	2.8	34
VA-3	1.8	2.73	7.25	7.5	69.9	5.7	158	10.0	34.6	31.3	3.7	56.2	1.87	0.37	0.017	0.59	44.7	26.0	0.46	1.9	29
Max:	22	7.4	600	2.8	7.3	86	9.7	9.2	4.8	15	127	7.3	18	45	183	99	5.3	120	257	100	55
min																					

Acronyms: TP: Total phosphorus in water; Chl *a*: Chlorophyll 'A'; DOC: Dissolved organic carbon

Table S3 of the ESI. List of all the diatom taxa identified in the littoral cores collected in 25 sites located in 11 lakes of the Rouyn-Noranda mining region Quebec. Taxa in bold represented $\geq 1\%$ of the total abundance in at least one sample and were included in the RDA analysis..

Taxon	code
<i>Achnanthes aueri</i> Krasske	achau
<i>Achnanthes bioretii</i> Germain	achbio
<i>Achnanthes calcar</i> Cleve	achcal
<i>Achnanthes clevei</i> Grunow	achcle
<i>Achnanthes conspicua</i> Mayer	achcon
<i>Achnanthes depressa</i> (Cleve) Hustedt	achdep
<i>Achnanthes exigua</i> Grunow	achexi
<i>Achnanthes flexella</i> (Kützing) Brun	achfle
<i>Achnanthes flexella</i> var. <i>alpestris</i> Brun	achfva
<i>Achnanthes helvetica</i> (Hustedt) Lange-Bertalot	achhel
<i>Achnanthes joursacense</i> Heribaud	achjou
<i>Achnanthes lanceolata</i> (brébisson) Grunow	achlan
<i>Achnanthes lanceolata</i> ssp. <i>biporoma</i> (Hohn & Hellermann) Lange-Bertalot	achlbi
<i>Achnanthes lanceolata</i> ssp. <i>frequentissima</i> Lange-Bertalot	achlsf
<i>Achnanthes lanceolata</i> ssp. <i>robusta</i> var. <i>abbreviata</i> (Reimer) Lange-Bertalot	achlra
<i>Achnanthes lanceolata</i> ssp. <i>rostrata</i> (Oestrup) Lange-Bertalot	achlro
<i>Achnanthes laterostrata</i> Hustedt	achlat
<i>Achnanthes levanderi</i> Hustedt	achlev
<i>Achnanthes linearis</i> (W. Smith) Grunow	achlin
<i>Achnanthes marginulata</i> Grunow	achmar
<i>Achnanthes minutissima</i> Kützing	achmin
<i>Achnanthes minutissima</i> Kützing, linear elliptic	achmle
<i>Achnanthes minutissima</i> Kützing, slim	achsli
<i>Achnanthes minutissima</i> var. <i>scotica</i> (Carter) Lange-Bertalot	achmvs
<i>Achnanthes peragalli</i> Brun & Heribaud	achper
<i>Achnanthes rosenstockii</i> Lange-Bertalot	achroi
<i>Achnanthes rossii</i> Hustedt	achros
<i>Achnanthes stewartii</i> Patrik	achste
<i>Achnanthes subatomoides</i> (Hustedt) Lange-Bertalot	achsub
<i>Achnanthes suchlandtii</i> Hustedt	achsuc
<i>Achnanthes ventralis</i> (Krasske) Lange-Bertalot	achven
<i>Amphipleura pellucida</i> (Kützing) Kützing	amppel
<i>Amphora fogediana</i> Krammer	ampfog
<i>Amphora inariensis</i> Krammer	ampina
<i>Amphora libyca</i> Ehrenberg	amplib
<i>Amphora ovalis</i> (Kützing) Kützing	ampova
<i>Amphora pediculus</i> (Kützing) Grunow	ampped
<i>Anomoeoneis follis</i> Ehrenberg	anofol

Taxon	code
<i>Asterionella formosa</i> Hasall	astfor
<i>Aulacoseira</i> aff. <i>italica</i> (Ehrenberg)	aulita
<i>Aulacoseira alpigena</i> (Grunow) Krammer	aulalp
<i>Aulacoseira ambigua</i> (Grunow) Simonen	aulamb
<i>Aulacoseira distans</i> (Ehrenberg) Simonsen	auldis
<i>Aulacoseira distans</i> var. <i>humilis</i>	auldi4
<i>Aulacoseira distans</i> var. <i>tenella</i> (Nygaard) Florin	auldi3
<i>Aulacoseira islandica</i> (O. Müller) Simonsen	aulisl
<i>Aulacoseira lacustris</i> (Grunow) Krammer	aullac
<i>Aulacoseira lirata</i> (Ehrenberg) Ross	aullir
<i>Aulacoseira perglabra</i> (Oestrup) Haworth	aulper
<i>Aulacoseira perglabra</i> fo. <i>floriniae</i> (Camburn) Haworth	aulpvf
<i>Aulacoseira</i> spp. (<i>distans</i> ?)	auldi1
<i>Aulacoseira subarctica</i> (O. Müller) Haworth	aulsub
<i>Brachysira brebissonii</i> Ross	brabre
<i>Brachysira vitrea</i> (Grunow) Ross	bravit
<i>Caloneis bacillum</i> (Grunow) Cleve, contains possibly also <i>C. hyalina</i>	calbac
<i>Caloneis lauta</i> Carter & Bailey-Watts	callau
<i>Caloneis schumannia</i> (Grunow) Cleve	calsch
<i>Caloneis schumannia</i> var. <i>biconstricta</i> (Grunow) Reichelt	ca3pe1
<i>Caloneis silicula</i> (Ehrenberg) Cleve	calsil
<i>Caloneis tenuis</i> (Gregory) Krammer	calten
<i>Caloneis undulata</i> (Gregory) Krammer	calund
<i>Cocconeis neothumensis</i> Krammer	cocneo
<i>Cocconeis pediculus</i> Ehrenberg	cocped
<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	cocpve
<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	cocpvl
<i>Cocconeis placentula</i> var. <i>placentula</i> Ehrenberg	cocpvp
<i>Cocconeis pseudothumensis</i> Reichardt	cocpse
<i>Craticula cuspidata</i> (Kützing) DG Mann	cracus
<i>Cyclotella bodanica</i> var. aff. <i>lemanica</i> (O. Müller ex Schröter)	cycbol
Bachmann	
<i>Cyclotella meneghiniana</i> Kützing	cycmen
<i>Cyclotella michiganiana</i> Skvortzow	cycmic
<i>Cyclotella radiosa</i> (Grunow) Lemmermann	cycrad
<i>Cyclotella stelligera</i> Cleve & Grunow	cycste
<i>Cyclotella stelligeroides</i> Hustedt	cycstg
<i>Cymbella aspera</i> (Ehrenberg) Cleve	cymasp
<i>Cymbella caespitosa</i> (Kützing) Brun	cymcae
<i>Cymbella cesatii</i> (Rabenhorst) Grunow	cymces
<i>Cymbella cistula</i> (Ehrenberg) Kirchner	cymcis
<i>Cymbella cymbiformis</i> Aghard	cymcym
<i>Cymbella elginensis</i> Krammer	cymelg
<i>Cymbella falaisiensis</i> (Grunow) Lange-Bertalot	cymfal
<i>Cymbella gracilis</i> (Ehrenberg) Kützing	cymgra

Taxon	code
<i>Cymbella hebridica</i> (Grunow) Cleve	cymheb
<i>Cymbella heteropleura</i> (Ehrenberg) Kützing	cymhet
<i>Cymbella hybrida</i> Grunow	cymhyb
<i>Cymbella incerta</i> (Grunow) Cleve	cyminc
<i>Cymbella muelleri</i> Hustedt	cymmue
<i>Cymbella naviculiformis</i> (Auerswald) Cleve	cymnav
<i>Cymbella obscura</i> Krasske	cymobs
<i>Cymbella perpusilla</i> A. Cleve	cymper
<i>Cymbella proxima</i> Reimer	cympro
<i>Cymbella reichhardtii</i> Krammer	cymrei
<i>Cymbella silesiaca</i> Bleisch, <i>Cymbella minuta</i> Hilse	cymsil
<i>Cymbella sinuata</i> Gregory	cymsin
<i>Cymbella</i> spp. unidentifiable fragments	cymspp
<i>Denticula kützingii</i> Grunow	denkue
<i>Diademesis templiniana</i> Lange-Bertalot & Rumrich	diatem
<i>Diatoma mesodon</i> (Ehrenberg) Kützing	diames
<i>Diatoma tenuis</i> Agardh	diaten
<i>Diploneis</i> aff. <i>elliptica</i>	dipael
<i>Diploneis boldtiana</i> Cleve	dipbol
<i>Diploneis finnica</i> (Ehrenberg) Cleve	dipfin
<i>Diploneis marginestriata</i> Hustedt	dipmar
<i>Diploneis ovalis</i> (Hilse) Cleve	dipova
<i>Diploneis parma</i> Cleve	dippar
<i>Diploneis puella</i> (Schumann) Cleve	dippue
<i>Diploneis smithii</i> var. <i>dilatata</i> (Peragallo) Terry	dipsvd
<i>Entomoneis ornata</i> (Bailey) Reimer	entor
<i>Epithemia adnata</i> (Kützing) Brebisson	epiadn
<i>Epithemia cistula</i> (Ehrenberg) Ralfs	epicis
<i>Epithemia sorex</i> Kützing	episor
<i>Epithemia turgida</i> (Ehrenberg) Kützing	epitur
<i>Epithemia turgida</i> var. <i>granulata</i> (Ehrenberg) Brun	epitvg
<i>Eunotia arculus</i> (Grunow) Lange-Bertalot & Nörpel	eunarc
<i>Eunotia bilunaris</i> (Ehrenberg) Mills	eunbil
<i>Eunotia bilunaris</i> var. <i>mucophila</i> Lange-Bertalot & Nörpel	eunbvm
<i>Eunotia circumborealis</i> Lange-Bertalot & Nörpel	euncir
<i>Eunotia diodon</i> Ehrenberg	eundio
<i>Eunotia elegans</i> Oestrup	eunele
<i>Eunotia exigua</i> (Brebisson) Rabenhorst	eunexi
<i>Eunotia faba</i> Ehrenberg	eunfab
<i>Eunotia fallax</i> A. Cleve	eunfal
<i>Eunotia flexuosa</i> (Brebisson) Kützing	eunfle
<i>Eunotia formica</i> Ehrenberg	eunfor
<i>Eunotia implicata</i> Nörpel & Lange-Bertalot	eunimp
<i>Eunotia incisa</i> Gregory	euninc
<i>Eunotia lapponica</i> Grunow	eunlap

Taxon	code
<i>Eunotia meisteri</i> Hustedt	eunmei
<i>Eunotia microcephala</i> Krasske	eunmic
<i>Eunotia minor</i> (Kützing) Grunow	eunmin
<i>Eunotia naegelii</i> Migula	eunnae
<i>Eunotia nymanniana</i> Grunow	eunnym
<i>Eunotia paludosa</i> Grunow	eunpal
<i>Eunotia pectinalis</i> (Dillwyn) Rabenhorst	eunpec
<i>Eunotia praerupta</i> Ehrenberg	eunpra
<i>Eunotia rhomboidea</i> Hustedt	eunrho
<i>Eunotia rhychnocephala</i> Hustedt	eunrhy
<i>Eunotia septentrionalis</i> Oestrup	eunsep
<i>Eunotia serra</i> var. <i>tetraodon</i> (Ehrenberg) Nörpel	eunsvt
<i>Fallacia</i> aff. <i>cryptolyra</i> (Brockmann) Stickle & Mann	falcry
<i>Fragilaria brevistriata</i> Grunow var. 1 pointed, protruded ends	frabr1
<i>Fragilaria brevistriata</i> Grunow var. 2, broadly protruded ends	frabr2
<i>Fragilaria brevistriata</i> Grunow var. 3, pointed ends	frabr3
<i>Fragilaria brevistriata</i> Grunow var.4, rhomboide	frabr4
<i>Fragilaria capucina</i> Desmazieres var. <i>capucina</i>	fracap
<i>Fragilaria capucina</i> var. <i>distans</i> (Grunow) Lange-Bertalot	fracvd
<i>Fragilaria capucina</i> var. <i>gracilis</i> (Oestrup) Hustedt	fracfg
<i>Fragilaria capucina</i> var. <i>mesolepta</i> (Rabenhorst) Rabenhorst	fracvm
<i>Fragilaria capucina</i> var. <i>rumpens</i> (Kützing) Lange-Bertalot	fracvr
<i>Fragilaria capucina</i> var. <i>vaucheriae</i> (Kützing) Lange-Bertalot	frcvp
<i>Fragilaria</i> cf. <i>tenera</i>	fracft
<i>Fragilaria constricta</i> Ehrenberg	fracst
<i>Fragilaria construens</i> (Ehrenberg) Grunow var. 0	fraafn
<i>Fragilaria construens</i> (Ehrenberg) Grunow var. 1	fraco1
<i>Fragilaria construens</i> (Ehrenberg) Grunow var. <i>construens</i>	fracvc
<i>Fragilaria construens</i> aff. var. <i>pumila</i> Grunow	fracva
<i>Fragilaria construens</i> var. <i>binodis</i> (Ehrenberg) Grunow	fracfb
<i>Fragilaria construens</i> var. <i>subsalina</i> Hustedt	fracvs
<i>Fragilaria construens</i> var. <i>venter</i> (Ehrenberg) Hustedt	fracov
<i>Fragilaria crotonensis</i> Kitton	fracro
<i>Fragilaria delicatissima</i> (W. Smith) Lange-Bertalot	fradel
<i>Fragilaria exigua</i> Grunow	fraexi
<i>Fragilaria fasciculata</i> (Agardh) Lange-Bertalot	fracfas
<i>Fragilaria lapponica</i> Grunow	fralap
<i>Fragilaria leptostauron</i> (Ehrenberg) Hustedt	fralep
<i>Fragilaria leptostauron</i> var. <i>dubia</i> (Grunow) Hustedt	fralvd
<i>Fragilaria leptostauron</i> var. <i>martyi</i> (Heribaud) Lange-Bertalot	fralvm
<i>Fragilaria microstriata</i> Marciniak	framic
<i>Fragilaria nanana</i> Lange-Bertalot	franan
<i>Fragilaria neoproducta</i> Lange-Bertalot	franeo
<i>Fragilaria nitzschoides</i> Grunow	franiz
<i>Fragilaria oldenburgiana</i> Hustedt	fraold

Taxon	code
<i>Fragilaria parasitica</i> (W. Smith) Grunow	frapar
<i>Fragilaria pinnata</i> Ehrenberg	frapin
<i>Fragilaria pinnata</i> var. <i>intercedens</i> (Grunow) Hustedt	frapvi
<i>Fragilaria pinnata</i> var. <i>lancettula</i> (Schumann) Hustedt	frapvl
<i>Fragilaria pseudoconstruens</i> Marciniak	frapse
<i>Fragilaria robusta</i> Manguin	frarob
<i>Fragilaria</i> sp. 2 PIRLA	frasp2
<i>Fragilaria ulna</i> var. <i>acus</i> (Kützing) Lange-Bertalot	synuva
<i>Frustulia rhomboides</i> (Ehrenberg) de Toni	frurho
<i>Frustulia rhomboides</i> var. <i>amphipleuroides</i> (Grunow) Cleve	frurva
<i>Frustulia rhomboides</i> var. <i>crassinerva</i> (Brebisson) Ross	frurvc
<i>Frustulia rhomboides</i> var. <i>saxonica</i> (Ehrenberg) de Toni	frurvs
<i>Frustulia vulgaris</i> (Thwaites) De Toni	fruvul
<i>Frustulia weinholdii</i> Hustedt	fruwei
<i>Gomphonema acuminatum</i> Ehrenberg	gomacu
<i>Gomphonema angustum</i> Agardh	gomang
<i>Gomphonema clavatum</i> Ehrenberg	gomcla
<i>Gomphonema clevei</i> Fricke sensu Hustedt	gomcle
<i>Gomphonema gracile</i> Ehrenberg	gomgra
<i>Gomphonema grovei</i> var. <i>ligulatum</i> (Hustedt) Lange-Bertalot	gomgvl
<i>Gomphonema olivaceum</i> var. <i>minutissimum</i> Hustedt	gomovm
<i>Gomphonema parvulum</i> (Kützing) Kützing	gompar
<i>Gomphonema pseudotenellum</i> Lange-Bertalot	gompse
<i>Gomphonema subtile</i> Ehrenberg	gomsub
<i>Gomphonema truncatum</i> Ehrenberg	gomtru
<i>Gomphonema</i> sp. unidentified	gomuni
<i>Gyrosigma acuminatum</i> (Kützing) Rabenhorst	gyracu
<i>Hantzschia amphioxys</i> (Ehrenberg) Grunow	hanamp
<i>Melosira nygaardii</i> (Camburn) Camburn	melnyg
<i>Meridion circulare</i> (Greville) Agardh	mercir
<i>Navicula aboensis</i> (Cleve) Hustedt	navabo
<i>Navicula</i> aff. <i>cocconeiformis</i>	navafc
<i>Navicula americana</i> Ehrenberg	navame
<i>Navicula atomus</i> (Kützing) Grunow	navato
<i>Navicula atomus</i> var. <i>permitis</i> (Hustedt) Lange-Bertalot	navavp
<i>Navicula bacillum</i> Ehrenberg	navbac
<i>Navicula capitata</i> var. <i>capitata</i> Ehrenberg	navcvc
<i>Navicula capitata</i> var. <i>hungarica</i> (Grunow) Ross	navcvh
<i>Navicula clementis</i> Grunow	navcle
<i>Navicula cocconeiformis</i> Gregory ex Greville	navcoc
<i>Navicula concentrica</i> Carter	navcon
<i>Navicula constans</i> var. <i>symmetrica</i> Hustedt	navcvs
<i>Navicula costulata</i> Grunow	navcos
<i>Navicula cryptocephala</i> Kützing	navcrc
<i>Navicula cryptotenella</i> Lange-Bertalot	navcry

Taxon	code
<i>Navicula decussis</i> Oestrup	navdec
<i>Navicula difficillima</i> Hustedt	navdif
<i>Navicula digitulus</i> Hustedt	navdig
<i>Navicula eidgeiana</i> Carter	navei
<i>Navicula elginensis</i> (Gregory) Ralfs	navelg
<i>Navicula exigua</i> (Gregory) Grunow	navexi
<i>Navicula exigua sensu</i> Hustedt	navexh
<i>Navicula explanata</i> Hustedt	navexp
<i>Navicula fossalis</i> Krasske	navfos
<i>Navicula globulifera</i> Hustedt	navglo
<i>Navicula goeppertiana</i> (Bleisch) H.L. Smith	navgoe
<i>Navicula heimansoides</i> Lange-Bertalot	navhei
<i>Navicula helensis</i> Schulz	navhel
<i>Navicula jaagii</i> Meister	navjaa
<i>Navicula jaernefeltii</i> Hustedt, Cavinula	navjae
<i>Navicula jentzschii</i> Grunow	navjen
<i>Navicula joubaudii</i> Germain	navjou
<i>Navicula laevissima</i> Kützing	navlae
<i>Navicula lenzii</i> Hustedt	navlen
<i>Navicula leptostriata</i> Jorgensen	navlep
<i>Navicula medioconvexa</i> Hustedt	navmed
<i>Navicula menisculus</i> Schumann	navmen
<i>Navicula minima</i> Grunow	navmin
<i>Navicula minuscula</i> Grunow	navmus
<i>Navicula modica</i> Hustedt	navmod
<i>Navicula mutica</i> Kützing	navmut
<i>Navicula occulta</i> Krasske	navocc
<i>Navicula peregrina</i> (Ehrenberg) Kützing	navper
<i>Navicula placentula</i> (Ehrenberg) Grunow	navpla
<i>Navicula porifera</i> var. <i>opportuna</i> Lange-Bertalot	navpvo
<i>Navicula praeterita</i> Hustedt	navpra
<i>Navicula pseudanglica</i> Lange-Bertalot	navpsa
<i>Navicula pseudoscutiformis</i> Hustedt	navpse
<i>Navicula pupula</i> (Kützing) Grunow	navpup
<i>Navicula radiosa</i> Kützing	navrad
<i>Navicula rhychnocephala</i> Kützing	navrhy
<i>Navicula schmassmannii</i> Hustedt	navsch
<i>Navicula schoenfeldii</i> Hustedt	navsco
<i>Navicula seminuloides</i> Hustedt	navsei
<i>Navicula seminulum</i> Grunow	navsem
<i>Navicula similis</i> Krasske	navsim
<i>Navicula</i> sp. 38 Quebec	navq38
<i>Navicula</i> spp. unidentified and/or fragment	navspp
<i>Navicula subalpina</i> Reichhardt?	navsua
<i>Navicula subminuscula</i> Manguin	navsla

Taxon	code
<i>Navicula submolesta</i> Hustedt	navsmo
<i>Navicula submuralis</i> Hustedt	navsum
<i>Navicula tenelloides</i> Hustedt	navten
<i>Navicula tenera</i> Hustedt	navter
<i>Navicula viridula</i> (Kützing) Ehrenberg	navvir
<i>Navicula viridula</i> var. <i>rostellata</i> (Kützing) Cleve	navvvr
<i>Neidium</i> spp.	neispp
<i>Nitzschia amphibia</i> Grunow	nitamp
<i>Nitzschia angustata</i> (W. Smith) Grunow	nitang
<i>Nitzschia angustatula</i> Lange-Bertalot	nit anl
<i>Nitzschia bremensis</i> Hustedt	nitbre
<i>Nitzschia dissipata</i> (Kützing) Grunow	nitdis
<i>Nitzschia fossilis</i> Grunow	nitfos
<i>Nitzschia hungarica</i> Grunow	nithun
<i>Nitzschia inconspicua</i> Grunow	nitinc
<i>Nitzschia intermedia</i> Hantzsch	nitint
<i>Nitzschia levidensis</i> (W. Smith) Grunow	nitlev
<i>Nitzschia levidensis</i> var. <i>salinarum</i> Grunow	nitlvs
<i>Nitzschia lorenziana</i> Grunow	nitlor
<i>Nitzschia palea</i> (Kützing) W. Smith	nitpal
<i>Nitzschia paleacea</i> Grunow	nitpae
<i>Nitzschia perminuta</i> (Grunow) M. Peragallo	nitper
<i>Nitzschia recta</i> Hantzsch	nitrec
<i>Nitzschia sinuata</i> (Thwaites?) Grunow	nitsin
<i>Nitzschia</i> spp. unidentified and/or fragment	nitspp
<i>Nitzschia vermicularis</i> (Kützing) Hantzsch	nitver
<i>Nupela impexiformis</i> Lange-Bertalot	nupimp
<i>Nupela</i> sp. 1 ANS NEW JERSEY KCP= <i>Cavinula</i> aff. <i>cocconeiformis</i>	nupans
<i>Nupela</i> sp. 3 NAWQA MP	nupnaw
<i>Nupela</i> spp.	nupspp
<i>Orthoseira roseana</i> (Rabenhorst) O'Meara	ortros
<i>Pinnularia appendiculata</i> (Aghard) Cleve	pinapp
<i>Pinnularia borealis</i> Ehrenberg	pinbor
<i>Pinnularia brandelii</i> Cleve	pinbra
<i>Pinnularia brebissonii</i> (Kützing) Rabenhorst	pinbre
<i>Pinnularia gibba</i> Ehrenberg	pingib
<i>Pinnularia infirma</i> Krammer	pininf
<i>Pinnularia interrupta</i> W. Smith	pinint
<i>Pinnularia legumen</i> (Ehrenberg) Ehrenberg , <i>P. subsolaris</i> Cleve	pinleg
<i>Pinnularia major</i> (Kützing) Rabenhorst	pinmaj
<i>Pinnularia microstauron</i> (Ehrenberg) Cleve	pinmic
<i>Pinnularia nodosa</i> (Ehrenberg) W. Smith	pinnod
<i>Pinnularia sinistra</i> Krammer	pinsin
<i>Pinnularia</i> spp. unidentified/and or fragment	pinspp
<i>Pinnularia subcapitata</i> Gregory	pinsuc

Taxon	code
<i>Pinnularia subrostrata</i> (Cleve) Cleve-Euler	pinsub
<i>Pinnularia viridis</i> (Nitzsch) Ehrenberg	pinvir
<i>Rhopalodia gibba</i> (Ehrenberg) O. Müller	rhogib
<i>Skeletonema subsalsum</i> (Cleve-Euler) Bethge	skesub
<i>Stauroneis anceps</i> Ehrenberg	staanc
<i>Stauroneis kriegerii</i> Patrick	stakri
<i>Stauroneis neohyalina</i> Lange-Bertalot	staavh
<i>Stauroneis phoenicenteron</i> (Nitzsch) Ehrenberg	stapho
<i>Stauroneis prominula</i> (Grunow) Hustedt	stapro
<i>Stauroneis schimanskii</i> Krammer	stasch
<i>Stauroneis smithii</i> Grunow	stasmi
<i>Stauroneis</i> spp.	staspp
<i>Stauroneis tackei</i> (Hustedt) Krammer & Lange-Bertalot	statac
<i>Stauroneis thermicola</i> (Petersen) Lund	stathe
<i>Staurosira parasitoides</i>	frapao
<i>Stephanodiscus</i> cf. <i>oregonicus</i>	stecfm
<i>Stephanodiscus medius</i> Hakansson	stemed
<i>Stephanodiscus minutulus</i> Kützing	stemin
<i>Stephanodiscus niagarae</i> Ehrenberg	stenia
<i>Surirella angusta</i> Kützing	surang
<i>Surirella robusta</i> Ehrenberg	surrob
<i>Surirella tenera</i> Gregory/ <i>Surirella nervosa</i> Hustedt	surten
<i>Synedra pulchella</i> (Ralfs) Kützing	synpul
<i>Tabellaria fenestrata</i> (Lyngbye) Kützing	tabfen
<i>Tabellaria flocculosa</i> (Roth) Kützing	tabflo
<i>Tetracyclus glans</i> (Ehrenberg) Mills	tetgla