

Appendix 1. List of all taxa observed in this study.

Achnanthes sp.
Achnantheidium exiguum (Grunow) Czarnecki
Achnantheidium minutissimum (Kützing) Czarnecki
Amphora libyca Ehrenberg
Amphora normannii var. *undulata* Krasske
Aulacoseira alpigena (Grunow) Krammer
Aulacoseira ambigua (Grunow) Simonsen
Aulacoseira granulata (Ehrenberg) Simonsen
Caloneis bacillum (Grunow) Cleve
Caloneis silicula (Ehrenberg) Cleve
Cocconeis placentula Ehrenberg
Craticula cuspidata (Kützing) Mann in Round, Crawford and Mann
Craticula halophila (Grunow ex Van Heurck) Mann in Round, Crawford and Mann
Cyclostephanos dubius (Fricke) Round
Cyclostephanos tholiformis Stoermer, Håkansson and Theriot
Cyclotella atomus Hustedt
Cyclotella bodanica Eulenstein ex Grunow
Cyclotella meneghiniana Kützing
Cyclotella sp.
Cymatopleura solea (Brébisson) W. Smith
Cymbella affinis Kützing
Cymbella cistula (Hemprich in Hemprich and Ehrenberg) Kirchner
Cymbella cymbiformis C. Agardh
Cymbella sp.
Cymbella tumidula Grunow in Schmidt et al.
Diadensis contenta (Grunow ex Van Heurck) Mann in Round, Crawford and Mann
Diploneis elliptica (Kützing) Cleve
Diploneis minuta Petersen
Discostella pseudostelligera (Hustedt) Houk and Klee
Discostella stelligera (Cleve et Grunow) Houk and Klee
Encyonema minutum (Hilse in Rabenhorst) Mann in Round, Crawford and Mann
Eolimna minima (Grunow in Van Heurck) H. Lange-Bertalot in G. Moser, H. Lange-Bertalot and D. Metzeltin
Epithemia sp.
Eunotia arcus Ehrenberg
Eunotia formica Ehrenberg
Eunotia minor (Kützing) Grunow in Van Heurck
Eunotia sp.
Fragilaria capucina Desmazieres emend Lange-Bertalot
Fragilaria construens (Ehrenberg) Grunow
Fragilaria nanana Lange-Bertalot
Fragilaria sp.
Gomphonema exiguum Kützing
Gomphonema gracile Ehrenberg
Gomphoneis clevei (Fricke) Gil
Gomphonema parvulum (Kützing) Kützing
Gomphonema sp.
Gomphosphenia grovei (M. Schmidt) Lange-Bertalot
Gyrosigma acuminatum (Kützing) Rabenhorst
Halamphora montana (Krasske) Z. Levkov
Halamphora veneta (Kützing) Z. Levkov
Hantzschia amphioxys (Ehrenberg) Grunow in Cleve and Grunow
Homoeocladia frustulum (Kützing) Kuntze
Homoeocladia gracilis (Hantzsch) Kuntze
Homoeocladia sinuata (Thwaites ex W. Smith) Kuntze
Lemnicola hungarica (Grunow) Round et Basson
Luticola mutica (Kützing) Mann in Round, Crawford and Mann
Luticola paramutica (Bock) Mann in Round, Crawford and Mann
Meridion circulare (Greville) Agardh
Microcostatus maceria (H. Schimanski) H. Lange-Bertalot
Navicula confervacea (Kützing) Grunow in Van Heurck
Navicula cryptocephala Kützing
Navicula cryptotenella Lange-Bertalot in Krammer and Lange-Bertalot
Navicula detenta Hustedt

Navicula eligensis (Kützing)
Navicula pygmaea Kützing
Navicula sp.
Navicula subplacentula Hustedt in Schmidt et al.
Navicula trivialis Lange-Bertalot
Navicula veneta Kützing
Navicula viridula (Kützing) Ehrenberg
Neidium ampliatum (Ehrenberg) Krammer in Krammer and Lange-Bertalot
Neidium bisulcatum (Lagerstedt) Cleve
Neidium hercynicum Mayer
Neidium iridis (Ehrenberg) Cleve
Neidium sp.
Nitzschia linearis var. *subtilis* (Grunow) Hustedt
Nitzschia palea (Kützing) W. Smith
Nitzschia perminuta (Grunow in Van Heurck) M. Peragallo
Nitzschia sp.
Nitzschia subacicularis Hustedt in Schmidt et al.
Pinnularia appendiculata (Agardh) Cleve
Pinnularia borealis Ehrenberg
Pinnularia interrupta W. Smith
Pinnularia microstauron (Ehrenberg) Cleve
Pinnularia sp.
Pinnularia subcapitata Gregory
Pinnularia viridis (Nitzsch) Ehrenberg
Placoneis gastrum (Ehrenberg) Mereschkowsky
Planothidium lanceolatum (Brébisson ex Kützing) H. Lange-Bertalot
Rhopalodia gibba (Ehrenberg) Otto Müller
Rhopalodia sp.
Sellaphora pupula (Kützing) Mereschkowsky
Sellaphora stroemii (Hustedt) H. Kobayasi in Mayama, S., Idei, M., Osada, K. and T. Nagumo
Stauroneis borrichii (Boye Petersen) Lund
Stauroneis sp.
Surirella angusta Kützing
Surirella capronii Brébisson and Kitton
Surirella obtusangula Rabenhorst
Surirella ovata var. *minuta* (Schumann) Kirchner
Surirella sp.
Surirella splendida (Ehrenberg) Kützing
Surirella tenera Gregory
Thalassiosira visurgis Hustedt
Tryblionella levidensis W. Smith
Ulnaria ulna (C.L. Nitzsch) Compère
