Table 1.

List and occurrence of diatom species in modern bottom sediments of Zapovednoye and Peyungda lakes.

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|  | **Отдел *Bacillariophyta*** | Zapovednoye | Peyungda |
| Класс *Centrophyceae* |  | |
| Порядок *Thalassiosirales* |
| Семейство *Stephanodiscaceae* Makarova |
| Род *Discostella* Houk & Klee 2004 |
| 1 | *Discostella stelligera* (Cleve & Grunow) Houk & Klee | Sd | Sd |
|  | Род *Lindavia* (Schütt) De Toni & Forti 1900 |  | |
| 2 | *Lindavia lemanensis* (Chodat) T.Nakov et al. | Sd | Sd |
|  | Род Cyclotella (Kützing) Brébisson 1838 |  | |
| 3 | *Cyclotella distinguenda* Hustedt | - | + |
|  | Порядок *Paraliales* |  | |
| Семейство *Paraliaceae* Crawford |
| Род *Ellerbeckia* Crawford 1988 |
| 4 | *Ellerbeckia arenaria* (D.Moore ex Ralfs) Dorofeyuk & Kulikovskiy | + | - |
| 5 | *Ellerbeckia arenaria* f. *teres* (Brun) R.M.Crawford | + | + |
|  | Порядок *Melosirales* R.M. Crawford |  | |
| Семейство *Melosiraceae* Kütz. |
| Род *Melosira* C. Agardh 1824 |
| 6 | *Melosira lineata* (Dillwyn) C.Agardh | + | + |
| 7 | *Melosira varians* C.Agardh | + | + |
|  | Порядок *Aulacosirales* |  | |
| Семейство *Aulacosiraceae* Moisseeva |
| Род *Aulacoseira* Thwaites 1848 |
| 8 | *Aulacoseira* spp. | + | - |
| 9 | *Aulacoseira ambigua* (Grunow) Simonsen | + | D, Sd |
| 10 | *Aulacoseira muzzanensis* (F.Meister) Krammer | - | + |
| 11 | *Aulacoseira subarctica* (O.Müller) E.Y.Haworth | Sd | + |
| 12 | *Aulacoseira valida* (Grunow) Krammer | + | + |
|  | Класс *Pennatophyceae* |  | |
| Порядок *Araphales* |
| Семейство *Fragilariaceae* (Kützing) De Toni |
| Род *Fragilaria* Lyngbye 1819 |
| 13 | *Fragilaria austriaca* (Grunow) Lange-Bertalot | + | + |
| 14 | *Fragilaria distans* (Grunow) Bukhtiyarova (Grunow) Lange-Bertalot | + | + |
| 15 | *Fragilaria* sp. | + | + |
| 16 | *Fragilaria vaucheriae* (Kützing) J.B.Petersen | Sd | Sd |
|  | Род *Fragilariforma* D.M.Williams & Round 1988 |  | |
| 17 | *Fragilariforma bicapitata* (A.Mayer) D.M.Williams & Round | + | - |
| 18 | *Fragilariforma virescens* (Ralfs) D.M.Williams & Round | + | + |
| 19 | *Fragilariforma virescens* var. *elliptica* (Hustedt) Aboal | + | - |
| 20 | *Fragilariforma virescens* var. *ovales* Bolobanshchikova | - | + |
| 21 | *Fragilariforma mesolepta* (Rabenhorst) Кharitonov | - | + |
|  | Род *Synedra* Ehrenberg |  | |
| 22 | *Synedra famelica* Kützing | + | + |
|  | Род *Odontidium* Kützing 1844 |  |  |
| 23 | *Odontidium hyemale* (Roth) Kützing | + | + |
| 24 | *Odontidium mesodon* (Kützing) Kützing | - | + |
|  | Род *Staurosira* Ehrenberg 1843 |  | |
| 25 | *Staurosira construens* Ehrenberg | + | + |
| 26 | *Staurosira incerta* E.Morales | Sd | + |
| 27 | *Staurosira pseudoconstruens* (Marciniak) Lange-Bertalot | + | + |
| 28 | *Staurosira* sp. Ehrenberg | + | + |
| 29 | *Staurosira subsalina* (Hustedt) Lange-Bertalot | - | + |
| 30 | *Staurosira venter* (Ehrenberg) Cleve & J.D.Möller | D, Sd | Sd |
|  | Род *Staurosirella* D.M. Williams & Round 1987 |  | |
| 31 | *Staurosirella pinnata* (Ehrenberg) D.M.Williams & Round | D, Sd | D, Sd |
|  | Род *Pseudostaurosira* D.M.Williams & Round 1988 |  | |
| 32 | *Pseudostaurosira brevistriata* (Grunow) D.M.Williams & Round | + | + |
| 33 | *Pseudostaurosira elliptica* (Schumann) Edlund, Morales & Spaulding | Sd | Sd |
| 34 | *Pseudostaurosira robusta* (Fusey) D.M.Williams & Round | + | - |
| 35 | *Pseudostaurosira subconstricta* (Grunow) Kulikovskiy & Genkal | + | + |
|  | Род *Hannaea* R.M.Patrick, 1966 |  | |
| 36 | *Hannaea arcus* (Ehrenberg) R.M.Patrick | + | + |
|  | Семейство *Ulnariaceae* |  | |
| Род *Ulnaria* Compére 2001 |
| 37 | *Ulnaria acus* (Kützing) Aboal | + | + |
| 38 | *Ulnaria* sp. | + | + |
| 39 | *Ulnaria ulna* (Nitzsch) Compère | D, Sd | Sd |
|  | Семейство *Tabellariaceae* Schütt |  | |
| Род *Diatoma* Bory 1824 |
| 40 | *Diatoma moniliformis* (Kützing) D.M.Williams | - | + |
|  | Род *Tabellaria* Ehrenberg 1844 |  | |
| 41 | *Tabellaria fenestrata* (Lyngbye) Kützing | D, Sd | D, Sd |
| 42 | *Tabellaria fenestrata* var. geniculata A.Cleve | + | + |
| 43 | *Tabellaria flocculosa* (Roth) Kützing | + | + |
| 44 | *Tabellaria quadriseptata* B.M.Knudson | + | + |
|  | Род *Meridion* C. Agardh 1824 |  | |
| 45 | *Meridion circulare* (Greville) C.Agardh | + | + |
| 46 | *Meridion constrictum* Ralfs | + | + |
|  | Род *Oxyneis* Round 1990 |  | |
| 47 | *Oxyneis binalis* (Ehrenberg) Round | + | - |
|  | Род *Tetracyclus* Ralfs 1843 |  | |
| 48 | *Tetracyclus glans* (Ehrenberg) F.W.Mills | - | + |
|  | Порядок *Raphales* |  | |
| Семейство *Mastogloiaceae* Mereschk 1903 |
| Род *Mastogloia* Thwaites ex W.Smith 1856 |
| 49 | Mastogloia sp. | - | + |
|  | Род *Decussiphycus* Guiry & K.Gandhi |  |  |
| 50 | *Decussiphycus placenta* (Ehrenberg) Guiry & Gandhi | - | + |
|  | Род *Aneumastus* D.G.Mann & A.J.Stickle 1990 |  |  |
| 51 | *Aneumastus tusculus* (Ehrenberg) D.G.Mann & A.J.Stickle | + | - |
|  | Семейство Anomoeoneidaceae D.G. Mann 1990 |  | |
| Род *Anomoeoneis* Pfitzer 1871 |
| 52 | *Anomoeoneis sphaerophora* Pfitzer | + | - |
|  | Семейство *Pleurosigmataceae* Mereschk 1903 |  | |
| Род *Gyrosigma* Hassall 1845 |
| 53 | *Gyrosigma acuminatum* (Kützing) Rabenhorst | + | + |
|  | Семейство *Naviculaceae* Kützing 1844 |  | |
| Род *Caloneis* Cleve 1894 |
| 54 | *Caloneis limosa* (Kützing) R.M.Patrick | + | + |
| 55 | *Caloneis silicula* (Ehrenberg) Cleve | - | + |
|  | Род *Cavinulaceae* D.G. Mann 1990 |  | |
| 56 | *Cavinula pseudoscutiformis* (Hustedt) D.G.Mann & Stickle | + | + |
|  | Род *Haslea* Simonsen 1974 |  | |
| 57 | *Haslea spicula* (Hickie) Bukhtiyarova | + | + |
|  | Род *Hippodonta* Lange-Bertalot, Witkowski & Metzeltin 1996 |  | |
| 58 | *Hippodonta capitata* (Ehrenberg) Lange-Bertalot, Metzeltin & Witkowski | + | + |
| 59 | *Hippodonta hungarica* (Grunow) Lange-Bertalot, Metzeltin & Witkowski | + | + |
|  | Род *Navicula* Bory 1822 |  | |
| 60 | *Navicula crucicula* var. *obtusata* Grunow | - | + |
| 61 | *Navicula cryptocephala* Kützing | - | + |
| 62 | *Navicula hasta* Pantocsek | - | + |
| 63 | *Navicula lanceolata* Ehrenberg | - | + |
| 64 | *Navicula lanceolata* var. *tenuirostris* Skvortsov | + | + |
| 65 | *Navicula menisculus* Schumann | + | + |
| 66 | *Navicula oblonga* (Kützing) Kützing | + | + |
| 67 | *Navicula peregrina* var. *lanceolata* Skvortsov | + | + |
| 68 | *Navicula radiosa* Kützing | + | + |
| 69 | *Navicula rhynchocephala* Kützing | + | + |
| 70 | *Navicula schroeteri* F.Meister | - | + |
| 71 | *Navicula semen* Ehrenberg | - | + |
| 72 | *Navicula* sp. Bory | + | + |
| 73 | *Navicula* spp. | + | + |
| 74 | *Navicula trivialis* Lange-Bertalot | + | + |
| 75 | *Navicula walkeri* Sovereign | - | + |
|  | Род *Naviculales incertae sedis* |  | |
| 76 | *Boreozonacola hustedtii* Lange-Bertalot, Kulikovskiy & Witkowski | - | + |
|  | Семейство *Witkowskiaceae* Kulikovskiy, Mironov, Maltsev & Kociolek |  | |
| Род *Geissleria* Lange-Bertalot & Metzeltin 1996 |
| 77 | *Geissleria schoenfeldii* (Hustedt) Lange-Bertalot & Metzeltin | - | + |
| 78 | *Witkowskia abiskoensis* (Hustedt) Kulikovskiy, Glushchenko, Mironov & Kociolek | - | + |
|  | Род *Frustulia* Rabenhorst 1853 |  | |
| 79 | *Frustulia saxonica* Rabenhorst | - | + |
| 80 | *Frustulia vulgaris* (Thwaites) De Toni | - | + |
|  | Семейство *Diploneidaceae* |  | |
| Род *Diploneis* Ehrenberg 1844 |
| 81 | *Diploneis boldtiana* Cleve | + | + |
| 82 | *Diploneis elliptica* (Kützing) Cleve | + | - |
| 83 | *Diploneis finnica* (Ehrenberg) Cleve | + | + |
| 84 | *Diploneis oblongella*(Nägeli ex Kützing) A.Cleve | + | + |
| 85 | *Diploneis ovalis* (Hilse) Cleve | + | + |
| 86 | *Diploneis parma* Cleve | + | + |
| 87 | *Diploneis subovalis* Cleve | + | - |
|  | Семейство *Neidiaceae* Mereschk |  | |
| Род *Neidium* Pfitzer 1871 |
| 88 | *Neidium dubium* (Ehenberg) Cleve | - | + |
| 89 | *Neidium productum* (W.Smith) Cleve | - | + |
|  | Семейство *Sellaphoraceae* Mereschk 1902 |  | |
| Род *Sellaphora* Mereschk 1902 |
| 90 | *Sellaphora americana* (Ehrenberg) D.G.Mann | - | + |
| 91 | *Sellaphora laevissima* (Kützing) D.G.Mann | + | + |
| 92 | *Sellaphora pupula* (Kützing) Mereschkovsky | + | + |
| 93 | *Sellaphora* sp. | + | \* |
|  | Род *Fallacia* Stickle & D.G. Mann |  | |
| 94 | *Fallacia forcipata* (Greville) Stickle & D.G.Mann | - | + |
|  | Род *Chamaepinnularia* Lange-Bertalot & Krammer |  | |
| 95 | *Chamaepinnularia bremensis* (Hustedt) Lange-Bertalot | + | - |
|  | Семейство *Pinnulariaceae* D.G. Mann 1990 |  | |
| Род *Pinnularia* Ehrenberg 1843 |
| 96 | *Pinnularia borealis* Ehrenberg | + | + |
| 97 | *Pinnularia borealis* var. *minor* Schirschoff | + | - |
| 98 | *Pinnularia borealis* var. *rectangularis* G.W.F.Carlson | + | + |
| 99 | *Pinnularia brevicostata* Cleve | - | + |
| 100 | *Pinnularia cardinaliculus* Cleve | - | + |
| 101 | *Pinnularia cardinalis* (Ehrenberg) W.Smith | + | + |
| 102 | *Pinnularia dactylus* Ehrenberg | - | + |
| 103 | *Pinnularia gibba* (Ehrenberg) Ehrenberg | + | + |
| 104 | *Pinnularia interrupta* W.Smith | - | + |
| 105 | *Pinnularia karelica* Cleve | + | + |
| 106 | *Pinnularia lagerstedtii* (Cleve) A.Cleve | + | + |
| 107 | *Pinnularia major* (Kützing) Rabenhorst | + | + |
| 108 | *Pinnularia microstauron* (Ehrenberg) Cleve | - | + |
| 109 | *Pinnularia nobilis* (Ehrenberg) Ehrenberg | + | + |
| 110 | *Pinnularia nodosa* (Ehrenberg) W.Smith | + | + |
| 111 | *Pinnularia obscura* Krasske | - | + |
| 112 | *Pinnularia pulchra* Østrup | - | + |
| 113 | *Pinnularia rupestris* Hantzsch | - | + |
| 114 | *Pinnularia* sp. | + | + |
| 115 | *Pinnularia* spp. | + | + |
| 116 | *Pinnularia stomatophora* (Grunow) Cleve | - | + |
| 117 | *Pinnularia streptoraphe* Cleve | - | + |
| 118 | *Pinnularia subcapitata* W.Gregory | - | + |
| 119 | *Pinnularia viridis* (Nitzsch) Ehrenberg | + | + |
|  | Семейство *Stauroneidaceae* D.G. Mann |  |  |
| Род *Stauroneis* Ehrenberg 1843 |
| 120 | *Stauroneis acuta* f. *inflata* (Frenguelli) Hustedt | - | + |
| 121 | *Stauroneis nobilis* Schumann | + | + |
| 122 | *Stauroneis phoenicenteron* (Nitzsch) Ehrenberg | + | + |
| 123 | *Stauroneis siberica* (Grunow) Lange-Bertalot & Krammer | + | + |
| 124 | *Stauroneis smithii* Grunow | + | - |
|  | Семейство *Rhoicospheniaceae* Chen & Zhu |  |  |
| Род *Rhoicosphenia* Grunow 1860 |
| 125 | *Rhoicosphenia curvata* (Kützing) Grunow | + | + |
|  | Семейство *Eunotiaceae* Kützing |  | |
| Род *Eunotia* Ehrenberg 1837 |
| 126 | *Eunotia arcubus* var. *bidens* (Grunow) Lange-Bertalot | + | + |
| 127 | *Eunotia arcus* Ehrenberg | - | + |
| 128 | *Eunotia bidens* Ehrenberg | + | + |
| 129 | *Eunotia curtagrunowii* Nörpel-Schempp & Lange-Bertalot | + | + |
| 130 | *Eunotia incisa* W.Smith ex W.Gregory | + | + |
| 131 | *Eunotia mucophila* (Lange-Bertalot, Nörpel-Schempp & Alles) Lange-Bertalot | + |  |
| 132 | *Eunotia praerupta* Ehrenberg | - | + |
| 133 | *Eunotia pirla* J.R.Carter & Flower | - | + |
| 134 | *Eunotia* sp. | - | + |
| 135 | *Eunotia subarcuatoides* Alles, Nörpel & Lange-Bertalot | - | + |
| 136 | *Eunotia sudetica* var.*bidens* Hustedt | - | + |
| 137 | *Eunotia tetraodon* Ehrenberg | - | + |
|  | Семейство *Cymbellaceae* (Kützing) Grunow |  | |
|  | Род *Cymbella* Agardh 1830 |  | |
| 138 | *Cymbella aspera* (Ehrenberg) Cleve | + | - |
| 139 | *Cymbella cistula* (Ehrenberg) O.Kirchner | + | + |
| 140 | *Cymbella cymbiformis* var.*nonpunctata* Fontell | - | + |
| 141 | *Cymbella helvetica* Kützing | - | + |
| 142 | *Cymbella lanceolata* (C.Agardh) Kirchner | + | + |
| 143 | *Cymbella proxima* Reimer | + | + |
| 144 | *Cymbella* sp. | - | + |
|  | Род *Cymbellafalsa* Lange-Bertalot & Metzeltin, 2009 |  | |
| 145 | *Cymbellafalsa diluviana* (Krasske) Lange-Bertalot & Metzeltin | + | - |
|  | Род *Cymbopleura* (Krammer) Krammer 1997 |  | |
| 146 | *Cymbopleura cuspidata* (Kützing) Krammer | - | + |
| 147 | *Cymbopleura inaequalis* (Ehrenberg) Krammer | + | + |
| 148 | *Cymbopleura subcuspidata* (Kützing) Krammer | + | + |
|  | Род *Encyonema* Kützing (1833) |  | |
| 149 | *Encyonema cespitosum* Kützing | + | + |
| 150 | *Encyonema elginense* (Krammer) D.G.Mann | + | + |
| 151 | *Encyonema hintzii* Krammer | + | - |
| 152 | *Encyonema lacustre* (C.Agardh) Pantocsek | - | + |
| 153 | *Encyonema minutum* (Hilse) D.G.Mann | + | + |
| 154 | *Encyonema norvegicum* (Grunow) Mayer | - | + |
| 155 | *Encyonema silesiacum* (Bleisch) D.G.Mann | + | + |
|  | Род *Placoneis* Mereschkovsky 1903 |  | |
| 156 | *Placoneis amphibola* (Cleve) E.J.Cox | - | + |
| 157 | *Placoneis elginensis* (W.Gregory) E.J.Cox | - | + |
| 158 | *Placoneis explanata* (Hustedt) A.Mamaya | + | + |
| 159 | *Placoneis gastrum* (Ehrenberg) Mereschkowsky | + | + |
| 160 | *Placoneis sovereignae* (Hustedt) Torgan & Donadel | - | + |
|  | Семейство *Achnanthidiaceae* Kützing |  | |
| Род *Achnanthidium* Kützing 1844 |
| 161 | *Achnanthidium exiguum* var.*elliptica* (Hustedt) M.A.Harper | - | + |
| 162 | *Achnanthidium gracillimum* (F.Meister) Lange-Bertalot | - | + |
| 163 | *Achnanthidium macrocephalum* (Hustedt) Round & Bukhtiyarova | - | + |
| 164 | *Achnanthidium minutissimum* (Kützing) Czarnecki | - | + |
| 165 | *Achnanthidium saprophilum* (H.Kobayashi & Mayama) Round & Bukhtiyarova | - | + |
| 166 | *Achnanthidium* sp. Kützing | + | + |
|  | Род *Achnanthes* Bory 1822 |  | |
| 167 | *Achnanthes* sp. | - | - |
| 168 | Род *Karayevia* Round & L. Bukhtiyarova 1996 |  | |
| 169 | *Karayevia carissima* (Lange-Bertalot) Bukhtiyarova | - | + |
| 170 | *Karayevia clevei* (Grunow) Bukhtiyarova | - | + |
| 171 | *Karayevia kolbei* (Hustedt) Bukhtiyarova | - | + |
| 172 | Род *Gogorevia* Kulikovskiy, Glushchenko, Maltsev & Kociolek , 2020 |  | |
| 173 | *Gogorevia exilis* (Kützing) Kulikovskiy & Kociolek | - | + |
|  | Род *Planothidium* Round & Bukhtiyarova 1996 |  | |
| 174 | *Planothidium amphibium* C.E.Wetzel, Ector & L.Pfister | - | + |
| 175 | *Planothidium biporomum* (M.H.Hohn & Hellerman) Lange-Bertalot | - | + |
| 176 | *Planothidium borneolanceolatum* (Lange-Bertalot) Lange-Bertalot | - | + |
| 178 | *Planothidium ellipticum* (Cleve) M.B.Edlund | + | + |
| 179 | *Planothidium lanceolatum* (Brébisson ex Kützing) Lange-Bertalot | + | + |
| 180 | *Planothidium rostratoholarcticum* Lange-Bertalot & Bak | - | + |
|  | Род *Platessa* Lange-Bertalot 2004 |  | |
| 181 | *Platessa holsatica* (Hustedt) Lange-Bertalot | + | + |
|  | Род *Psammothidium* L.Buhtkiyarova & Round 1996 |  | |
| 182 | *Psammothidium grischunum* Bukhtiyarova & Round | - | + |
| 183 | *Psammothidium ventrale* (Krasske) Bukhtiyarova & Round | + | + |
|  | Род *Skabitschewskia* Kuliskovskiy & Lange-Bertalot 2015 |  |  |
| 184 | *Skabitschewskia peragalloi* (Brun & Héribaud) Kuliskovskiy & Lange-Bertalot | - | + |
| Семейство *Cocconeidaceae* Kützing |
| Род *Cocconeis* Ehrenberg 1838 |  |  |
| 185 | *Cocconeis disculus* (Schumann) Cleve | - | + |
| 186 | *Cocconeis lineata* Ehrenberg | + | + |
| 187 | *Cocconeis pediculus* Ehrenberg | + | + |
| 188 | *Cocconeis placentula* Ehrenberg | + | + |
| 189 | *Cocconeis placentula* var. *euglypta* (Ehrenberg) Grunow | + | + |
|  | Род *Eucocconeis* Cleve ex F.Meister 1912 |  |  |
| 190 | *Eucocconeis laevis* (Østrup) Lange-Bertalot | - | + |
|  | Семейство *Gomphonemataceae* (Kützing) Grunow |  | |
| Род *Gomphonema* Ehrenberg 1824 |  | |
| 191 | *Gomphonema acuminatum* Ehrenberg | + | + |
| 192 | *Gomphonema angustum* C.Agardh | + | - |
| 193 | *Gomphonema angustatum* var. *lineare* Hustedt | + | - |
| 194 | *Gomphonema affine* Kützing | + | + |
| 195 | *Gomphonema brebissonii* Kützing | + | + |
| 196 | *Gomphonema contraturris* Lange-Bertalot & E.Reichardt | - | + |
| 197 | *Gomphonema coronatum* Ehrenberg | + | + |
| 198 | *Gomphonema dichotomum* Kützing | + | + |
| 199 | *Gomphonema helveticum* Brun | + | + |
| 200 | *Gomphonema lagerheimii* A.Cleve | - | + |
| 201 | *Gomphonema micropus* Kützing 1844 | - | + |
| 202 | *Gomphonema minutum* (C.Agardh) C.Agardh | - | + |
| 203 | *Gomphonella olivacea* (Hornemann) Rabenhorst | - | + |
| 204 | *Gomphonema productum* (Grunow) Lange-Bertalot & E.Reichardt | + | + |
| 205 | *Gomphonema parvulius* (Lange-Bertalot & E.Reichardt) Lange-Bertalot & E.Reichardt | - | + |
| 206 | *Gomphonema pusillum* (Grunow) Kulikovskiy & Kociolek | + | + |
| 207 | *Gomphonema* sp. | + | - |
| 208 | *Gomphonema trigonocephalum* Ehrenberg | - | + |
| 209 | *Gomphonema truncatum* Ehrenberg | + | + |
|  | Семейство *Catenulaceae* Mereschk. |  | |
|  | Род *Amphora* Ehrenberg 1840 |
| 210 | *Amphora libyca* Ehrenberg | + | + |
| 211 | *Amphora ovalis* (Kützing) Kützing | + | + |
| 212 | *Amphora sibirica* Skvortsov & K.I.Meyer | + | + |
|  | Семейство *Bacillariaceae* Ehrenberg |  | |
| Род *Hantzschia* Grunow |  | |
| 213 | *Hantzschia amphioxys* (Ehrenberg) Grunow | + | + |
|  | Род *Nitzschia* Hassal 1845 |  | |
| 214 | *Nitzschia acula* (Kützing) Hantzsch | - | + |
| 215 | *Nitzschia amphibia* Grunow | - | + |
| 216 | *Nitzschia behrei* Hustedt | - | + |
| 217 | *Nitzschia brevissima*Grunow | - | + |
| 218 | *Nitzschia filiformis* (W.Smith) Van Heurck | - | + |
| 219 | *Nitzschia monachorum* Lange-Bertalot | - | + |
| 220 | *Nitzschia recta* Hantzsch | - | + |
| 221 | *Nitzschia sigma* (Kützing) W.Smith | + | + |
| 222 | *Nitzschia sigmoidea* (Nitzsch) W.Smith | + | + |
| 223 | *Nitzschia* sp. | + | + |
| 224 | *Nitzschia* spp. | + | + |
|  | Семейство *Surirellaceae* Kützing |  | |
| Род *Cymatopleura* W.Smith 1851 |
| 225 | *Cymatopleura brunii* Petit | + | + |
| 226 | *Cymatopleura elliptica* (Brébisson) W.Smith | - | + |
|  | Род *Iconella* Jurilj 1949 |  | |
| 227 | *Iconella acuminata* (Hustedt) Cocquyt & R.Jahn | - | + |
| 228 | *Iconella bifrons* (Ehrenberg) Ruck & Nakov | + | + |
| 229 | *Iconella biseriata* (Brébisson) Ruck & Nakov | - | + |
| 230 | *Iconella elegans* (Ehrenberg) Bukhtiyarova | - | + |
| 231 | *Iconella linearis* (W.Smith) Ruck & Nakov | - | + |
| 232 | *Iconella tenera* (W.Gregory) Ruck & Nakov | + | + |
|  | Род *Surirella* Turpin 1828 |  | |
| 233 | *Surirella amphioxys* W.Smith | - | + |
| 234 | *Surirella hibernica* (W.Smith) D.Kapustin & O.Kryvosheia | + | + |
| 235 | *Surirella librile* (Ehrenberg) Ehrenberg | + | + |
| 236 | *Surirella robusta* Ehrenberg | - | + |
| 237 | *Surirella* sp. | + | + |
|  | Семейство *Rhopalodiaceae* (Karsten) Topachevs'kyj & Oksiyuk |  |  |
| Род *Epithemia* Kützing 1844 |
| 238 | *Epithemia adnata*(Kützing) Brébisson | - | + |
| 239 | *Epithemia adnata* var. *saxonica* (Kützing) R.M.Patrick | + | + |
| 240 | *Epithemia frickei* Krammer | Sd | + |
| 241 | *Epithemia gibba* (Ehrenberg) Kützing | D, Sd | + |
| 242 | *Epithemia porcellus* Kützing | Sd | + |
| 243 | *Epithemia sorex* Kützing | + | + |
| 244 | *Epithemia* spp. | + | + |
| 245 | *Epithemia turgida* (Ehrenberg) Kützing | + | + |
| 246 | *Epithemia turgida* var. *granulata* (Ehrenberg) Brun | + | + |
| 247 | *Epithemia turgida* var. *westermannii* (Ehrenberg) Grunow | + | + |
|  | Род *Rhopalodia* O.Müller 1895 |  | |
| 248 | *Rhopalodia musculus* (Kützing) O.Müller | + | + |
| *Total:* | | 150 | 223 |

Note: D — dominant species, Sd — subdominant species.