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ZOOLOGICAL WATER QUALITY INDICATORS FOR ASSESSMENT OF ORGANIC POLLUTION AND TROPHIC STATUS OF CONTINENTAL WATER BODIES

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ABSTRACT

This paper presents data compilation for invertebrates and protists indicator taxa of organic pollution and trophic state of continental waters. Information was collected from research papers, monographs, electronic resources, and our own research. Altogether 1732 indicator taxa of Kingdoms Protista, Protozoa, Chromista, and Animalia from 19 taxonomical Phyla are represented with ecological preferences for saprobity with saprobity index (S) and trophic state. This comprehensive data can be used for the purpose of aquatic ecosystem assessment and monitoring of water quality based on bioindication methods.

ZUSAMMENFASSUNG: Zoologische Indikatoren für Wasserqualität zur Bewertung der organischen Verschmutzung und des trophischen Zustands kontinentaler Gewässer.

Dieser Beitrag stellt eine Datensammlung von Zeigerarten wirbelloser Tiere und Einzeller organischer Verschmutzung und des trophischen Zustands kontinentaler Gewässer. Die Informationen wurden aus Forschungsarbeiten, Monographien, elektronischen Quellen und unserer eigenen Forschung gesammelt. Insgesamt sind 1732 Indikatorarten aus den Reichen der Einzeller der Protozoa, der Chromista und Animalia 19 taxonomischer Stämmen mit ihren ökologischen Präferenzen für Saprobität, Saprobitätsindex (S) und trophischem Zustand vertreten. Diese umfassenden Daten können für die Bewertung aquatischer Ökosysteme und die Überwachung der Wasserqualität auf der Grundlage von Bioindikationsmethoden verwendet werden.

REZUMAT: Indicatori zoologici de calitate a apei pentru evaluarea poluării organice și a stării trofice a corpurilor de apă continentale.

Această lucrare prezintă compilarea datelor pentru taxoni indicatori de nevertebrate şi protiste ai poluarii organice şi a stării trofice a apelor continentale. Informațiile au fost colectate din lucrări de cercetare, monografii, surse electronice și cercetări proprii. În total, 1732 de taxoni indicatori ale regnurilor Protista, Protozoa, Chromista și Animalia din 19 încrengături taxonomice sunt reprezentate cu preferințe ecologice pentru saprobitate cu indice de saprobitate (S) și stare trofică. Aceste date cuprinzătoare pot fi utilizate în scopul evaluării ecosistemului acvatic și al monitorizării calității apei pe baza metodelor de bioindicație.

INTRODUCTION

The European Framework Directive (FWD) (European Parliament, 2000) proposed biological variables for the sorting of ecological status of aquatic organisms (Ponti et al., 2009). Bioindicators are organisms or a group of organisms whose presence or state give data on ecosystem's characteristics. According Burger (2006) "Monitoring ecosystem health requires the use of a suite of bioindicators that are biologically, methodologically, and societally relevant, and can be used over time to assess trends and provide early warning". Bioindicators can be used for assessing: 1. health status of aquatic ecosystems for spatio-temporal trends (Guidance, 2022; Burger, 2006); 2. the effects of natural or anthropogenic stressors (Bănăduc et al., 2022, 2023; Burger, 2006); and 3. evaluating the efficacy of deliberate anthropogenic measures such as remediation and restoration (Burger, 2006; Poikane, et al., 2016). With the help of bioindicators can be assessed two different types of properties of aquatic ecosystem: physico-chemical (organic pollution) or functional (trophic state) under impact of natural or anthropogenically induced environmental changes (Zaghloul et al., 2020).

Aquatic invertebrates relate to trophic states of water bodies (Pedi et al., 2020). Biological assessment based on the invertebrates is widely applied for indications of environmental quality, and more specifically water quality (Lenat, 1993; White and Brigham, 1996; Cummins and Merritt 2001; Frey et al., 2011; Cuffney et al., 2014). Invertebrates participate in basic ecological processes including in changes in trophic state and pollution by wastewater (Cairns and Pratt, 1993; Marvan et al., 2005; Shevchenko et al., 2007; Water quality, 2021). The bioindication, based on analyzing the response of biota to environmental conditions changes, is significant in estimating the effect of pollution on aquatic ecosystems (Friedrich et al., 1996; Oliveira and Callisto, 2010; Petrakis et al., 2018; Abdel Gawad, 2019). Saprobity index S can be calculated for the invertebrates' community and then incorporated to the system of the water quality assessment mainly for organic pollution (Uzunov et al., 1988; Sládeček, 1983; Chertoprud, 2007; Schmidt-Kloiber and Hering, 2015; Yermolaeva and Dvurechenskaya, 2016; Abukenova et al., 2016; Hegab and Khalifa, 2021). Assessment of human impact by invertebrates is more used for the lakes and wetlands (Alyabina and Sorokin, 1983; Fennessy et al., 2001; USEPA 2003; Lasukov, 2018). The systems with combined assessment methods for the invertebrates, diatoms, and other aquatic inhabitants are also developed (Friedrich et al., 1996; Hering et al., 2006; Beyene et al., 2009; Tachet et al., 2010).

We collected the environmental preferences of aquatic species during many years. First of all, we paid attention to the ecological characteristics of algae and cyanobacteria (Barinova et al., 2006, 2019), then collecting information about aquatic plants and mosses (Barinova, 2021), and in current time about macroinvertebrates from solid published works of reliable authors and combining information into a database. The work was carried out for more than three years and data was compiled for two groups of indicators in different indicator systems. The part of this array of data on the ecological preferences of algae and cyanobacteria includes 9,450 species (Barinova and Fahima, 2017) the indicator value tables are in English and are available via electronic link in references (Barinova et al., 2006, 2019). In this work, we have set the task to collect indicative data on other organisms inhabiting the aquatic environment such as invertebrates and some not photosynthetic protists. The material turned out to be so large that we considered it logical to divide it into two parts, each of which can be combined to different publication. Currently, the first part about plants and mosses was published (Barinova, 2021). The ecological preferences of aquatic invertebrates are presented in current paper. We summarized the material with descriptions and calculation that combine reference data on indicator species from different Phyla of aquatic invertebrates, but can serve as indicators of water quality to assess the impact of pollution on aquatic ecosystems.

We aimed to compile the list of inhabitants in continental water bodies from aquatic species of invertebrates, some protozoan, and non-photosynthetic protists with each species preferences for different level of organic pollution and trophic state.

MATERIAL AND METHODS

Data on ecological preferences of aquatic species of invertebrates and non-photosynthetic protists were taken from nine monographs, published papers and electronic resources (Marvan et al., 2005 [1]; Alyabina and Sorokin, 1983 [2]; Yermolaeva and Dvurechenskaya, 2016 [3]; Derevenskaya, 2015 [4]; Shevchenko et al., 2007 [5]; Golubkov et al., 2017 [6]; Lasukov, 2018 [7]; Ermolaeva and Dvurechenskaya, 2013 [8]; Abukenova et al., 2016 [9]; Bezmaternykh, 2007 [10]; Oleksiv, 1992 [11]; Unified methods, 1977 [12]; Uzunov et al., 1988 [13]; Schmidt-Kloiber and Hering, 2015 [14]; Chertoprud, 2007 [15]; Water quality, 2021 [16]; Naberezhny, 2007 [17]; Sládeček, 1983 [18]). The number in square brackets corresponds to the reference number in the environmental preferences table. The collected data about each of the species was inserted into a table, and then the data was classified according to categories of bioindication (Barinova, 2017a). The species' ecological characteristics were grouped according to the variables trophic state and water saprobity with self-purification zones according to Sládeček (1973), and species-specific Index saprobity S.

The ecological preferences of each taxon are described in different sources, from which we took all the available information and then summarized it for each indicator. In the process of data integration, we provided the indicator values mentioned in the reference and if there were several data, then the highest of them. For example, if there were different values of the species-specific index of saprobity, then the highest was given. On the other hand, if different values of the trophic category were indicated for the same species, then the highest was tacked, for example, from the mesotrophic and eutrophic, the eutrophic was chosen.

Integrated data about saprobity and self-purification can be defined in a scale of water quality with the relationship between saprobity index S and water quality category (Romanenko et al., 1990; Barinova, 2017a) (Tab. 1). We given EU Color code include five classes as common used colors and class 6 as black according SEQ (SEQ-water quality) because the invertebrates and protists are mostly heterotrophs, that often indicated class 6 of water quality and extremely polluted waters (Barinova, 2017b).

Table 1: Classification relations of Water Quality Class, Rank, Index of Saprobity S, and self-purification zones according to Romanenko et al. (1990) and Barinova (2017a).

Water quality	Water Quality Class	Self-purification zone	Rank	EU Color code	Saprobic zone	Index Saprobity S
Very clear	1	1	1	Blue	xenosaprobity	0-0.5
Clear	2	2a	2	Green	oligo-saprobity	0.5-1.0
	2	2b	3	Green		1.1-1.5
Moderate polluted	3	3a	4	Yellow	beta-meso-saprobity	1.6-2.0
	3	3b	5	Yellow		2.1-2.5
Polluted	4	4a	6	Orange	alpha-meso-saprobity	2.6-3.0
	4	4b	7	Orange		3.1-3.5
Very polluted	5	5a	8	Red	polysaprobity	3.6-4.0
	5	5b	9	Red		> 4.0
Extremally polluted	6	6	9	Black	transsaprobity	> 4.0

Index S community tolerance to the organic matter enrichments can be calculated on the base of collected data about species-specific index S with the following equation, where S is the index of saprobity for community; s_i is the species-specific saprobity index; a_i is the species frequency values (Eq. 1):

$$S = \sum_{i=1}^{n}(s_i.a_i) \Big/ \sum_{i=1}^{n}(a_i)$$

Equation 1

Data about trophic state preferences can be compared to the bioindicators category of this parameter (Barinova, 2017a) in the system started by Herman Van Dam in 1994 (Van Dam et al., 1994). Species-indicators names were adapted to modern taxonomic system with help of available electronic sources (GBIF; WoRMS).

RESULTS AND DISCUSSION

As a result of collecting and integrating of data about ecological preferences of aquatic invertebrates and non-photosynthetic protists were analyzed data from 18 sources of the references for 1732 species (Tab. 2). In Table 2 were used the abbreviations: Saprobity groups: x – xenosaprob, x–o – xeno–oligosaprob, o–x – oligo–xenosaprob, x–b – xeno–betamesosaprob, o – oligosaprob, o–b – oligo–beta–msosaprob, b–o – beta–oligosaprob, o–a – oligo–alpha–mesosaprob, b – beta–mesosaprob, b–a – beta–alpha–mesosaprob, a–o – alpha–oligosaprob, a – alpha-mesosaprob, i – i–eusaprob. Trophic state groups: ot – oligotraphentic; om – oligo–mesotraphentic; m – mesotraphentic; me – meso–eutraphentic; e – eutraphentic; o–e – oligo–eutraphentic; he – hypereutraphentic. "–" property is unknown. Their reference number is in square brackets and is the same in the reference list by bold.

Table 2: Index saprobity S, saprobic zone groups, and group of trophic state for taxa of aquatic invertebrate and non-photosynthetic protist indicators with numbered of source data.

No.	Indicator taxa	Index S	Saprobity zone	Trophic state	Reference
	Sarcomastigophora (Kingdom: Protista)				
1.	*Amphimonas fusiformis* Mereschkoysky, 1879	2.50	b-a	–	[1]
2.	*Amphimonas globosus* W. S. Kent 1881	2.50	b-a	–	[1]
	Amoebozoa (Kingdom Protozoa)				
3.	*Breviata anathema* Walker, Dacks, Embley, 2006	4.50	i	–	[1]
4.	*Mastigamoeba gigantea* Klug 1936	4.00	p	–	[1]
5.	*Mastigamoeba limax* Moroff, 1903	4.70	i	–	[1]
6.	*Mastigamoeba reptans* Stokes, 1890	3.90	b-p	–	[1]
7.	*Mastigamoeba trichophora* Lauterborn, 1901	4.70	i	–	[1]
8.	*Mastigella penardii* Lemmermann, 1913	4.00	p	–	[1]
9.	*Mastigella radicula* (Moroff) Goldschmidt, 1907	3.40	a	–	[1]
10.	*Multicilia lacustris* Lauterborn 1895	4.60	i	–	[1]
	Cercozoa (Kingdom Protozoa)				
11.	*Cercobodo agilis* (Moroff) Lemmermann, 1914	4.60	i	-	[1]
12.	*Cercobodo bodo* (H. Meyer) Lemmermann, 1910	2.50	b-a	-	[1]
13.	*Cercobodo crassicauda* Lemmermann 1913	4.00	p	-	[1]
14.	*Cercobodo digitalis* (H. Meyer) Lemmermann, 1910	2.50	b-a	-	[1]
15.	*Cercobodo grandis* Skvortsov, 1977	5.70	m	-	[1]
16.	*Cercobodo longicauda* (Dujardin) Senn 1900	4.70	i	–	[1]

17.	*Cercobodo ovatus* (Klebs) Lemmermann, 1908	2.50	b-a	–	[1]
18.	*Cercobodo radiatus* (Klebs) Lemmermann, 1908	3.50	p-a	–	[1]
19.	*Cercobodo simplex* (T. Moroff) Lemmermann, 1908	5.70	m	–	[1]
20.	*Cercobodo varians* Skuja, 1948	5.70	m	–	[1]
21.	*Spongomonas uvella* F. Stein 1878	1.50	o-b	–	[1]
	Choanozoa (Kingdom Protozoa)				
22.	*Astrosiga radiata* Zacharias, 1914	1.40	o-b	–	[1]
23.	*Codonosigopsis robinii* Senn 1900	2.00	b	–	[1]
24.	*Codosiga botrytis* (Ehrenberg) Bütschli, 1878	2.60	a-o	–	[1]
25.	*Codosiga furcata* W. S. Kent, 1881	2.00	b	–	[1]
26.	*Codosiga umbellata* (Tatem) W. S. Kent, 1881	2.10	b	–	[1]
27.	*Desmarella moniliformis* Kent, 1878	2.60	a-o	–	[1]
28.	*Diploeca flava* (Korshikov, 1926) Bourrelly, 1957	2.00	b	–	[1]
29.	*Diplosiga socialis* Frenzel, 1891	1.20	o	–	[1]
30.	*Diplosigopsis entzii* Francé, 1897	1.75	b-o	–	[1]
31.	*Lagenoeca globulosa* Francé, 1897	2.00	b	–	[1]
32.	*Lagenoeca obovata* Lemmermann, 1913	2.00	b	–	[1]
33.	*Monosiga ovata* W. S. Kent 1881	1.50	o-b	–	[1]
34.	*Pachysoeca ruttneri* (Bourrelly) Fott	2.00	b	–	[1]
35.	*Protospongia haeckelii* W. S. Kent, 1881	1.00	o	–	[1]
36.	*Salpingoeca amphoridium* H. J. Clark 1867	2.20	b	–	[1]
37.	*Salpingoeca brunnea* Stokes	2.00	b	–	[1]
38.	*Salpingoeca buetschlii* Lemmermann 1913	2.00	b	–	[1]
39.	*Salpingoeca frequentissima* (Zacharias) Lemmermann 1913	1.80	o-a	–	[1]
40.	*Salpingoeca fusiformis* W. S. Kent 1878	2.00	b	–	[1]
41.	*Salpingoeca globulosa* Zhukov 1993	2.00	b	–	[1]
42.	*Salpingoeca gracilis* H. J. Clark 1867	2.00	b	–	[1]
43.	*Salpingoeca macrostoma* Korshikov 1926	2.00	b	–	[1]
44.	*Salpingoeca massartii* De Saedeleer, 1927	2.50	b-a	–	[1]
45.	*Salpingoeca obliqua* (B. Fott) H. Heynig 1992	2.00	b	–	[1]
46.	*Salpingoeca oblonga* F. Stein 1878	2.40	b-a	–	[1]
47.	*Salpingoeca obovata* (Lemmermann) Bourelly	2.00	b	–	[1]
48.	*Salpingoeca riethii* Fott 1960	2.00	b	–	[1]
49.	*Salpingoeca ringens* W. S. Kent 1878	2.00	b	–	[2]
50.	*Salpingoeca ruttneri* Bourelly	2.00	b	–	[1]
51.	*Salpingoeca vaginicola* F. Stein 1878	2.00	b	–	[1]
52.	*Salpingoeca volvox* Lauterborn 1894	3.20	a	–	[1]
53.	*Stelexomonas dichotoma* Lackey 1942	1.50	o-b	–	[1]
	Metamonada (Kingdom Protozoa)				
54.	*Gyromonas* sp.	3.90	b-p	–	[1]
55.	*Thylacomonas compressa* Schewiakoff	2.30	b	–	[1]
56.	*Trepomonas agilis* Dujardin 1841	5.00	m	–	[1]
57.	*Trepomonas steinii* Klebs, 1892	4.00	p	–	[1]
58.	*Trigonomonas compressa* G. A. Klebs	5.00	m	–	[1]
59.	Trigonomonas cyrusii Cyrus et Sládeček	5.00	m	–	[1]
60.	*Trigonomonas inflata* Skuja	5.00	m	–	[1]
61.	*Trigonomonas tortuosa* Skuja	5.00	m	–	[1]
62.	*Urophagus caudatus* Skuja 1939	5.00	m	–	[1]
63.	*Urophagus rostratus* (F. Stein) Klebs 1892	5.00	m	–	[1]
	Percolozoa (Kingdom: Protozoa)				
64.	*Tetramitus descissus* Perty 1852	5.00	m	–	[1]
65.	*Tetramitus pyriformis* Klebs 1892	5.00	m	–	[1]
66.	*Tetramitus rostratus* Perty, 1852	4.00	p	–	[1]
67.	*Tetramitus sulcatus* Stein, 1878	4.00	p	–	[1]

	Ciliophora (Kingdom: Chromista)				
68.	*Campanella umbellaria* (Linnaeus, 1758) Goldfuss, 1820	3.00	a-b	–	[9]
69.	*Carchesium polypinum* (Linnaeus, 1758)	2.90	b-p	–	[9]
70.	*Litonotus fasciola* (Wresniowski, 1870)	3.00	a	–	[9]
71.	*Litonotus lamella* Schewiakoff, 1896	2.20	b-a	–	[9]
72.	*Paramecium aurelia* Ehrenberg, 1838	2.50	a-p	–	[9]
73.	*Paramecium caudatum* Ehrenberg, 1834	3.30	a-p	–	[9]
74.	*Spirostomum ambiguum* (Müller, 1786) Ehrenberg, 1835	3.00	a	–	[9]
75.	*Spirostomum minus* Roux, 1901	2.60	a	–	[9]
76.	*Stentor roeseli* Ehrenberg, 1835	2.45	a-b	–	[9]
77.	*Stylonychia pustulata* (Müller, 1786) Ehrenberg, 1835	2.00	o	–	[9]
78.	*Vorticella campanula* Ehrenberg, 1831	2.20	b-a	–	[9]
79.	*Vorticella convallaria* Linnaeus, 1758	2.90	a	–	[9]
	Annelida (Kingdom: Animalia)				
80.	*Aelosoma tenebrarum* Vejdovský, 1880	–	b	–	[5],[10]
81.	*Aeolosoma hemprichi* Ehrenberg, 1828	–	o	–	[10],[5]
82.	*Aeolosoma* sp.	2.50	–	–	[13]
83.	*Aeolosoma hemprichi* Ehrenberg 1828	2.20	–	–	[13]
84.	*Alexandrovia onegensis* Hrabe, 1962	-	o	–	[5],[10]
85.	*Amphichaeta leydigi* Tauber, 1879	2.10	–	–	[13]
86.	*Amphichaeta* sp.	–	–	me	[14]
87.	*Aulodrilus limnobius* Bretscher, 1899	–	b	–	[5],[10]
88.	*Aulodrilus pluriseta* (Piguet, 1906)	2.20	b	–	[5],[10],[13]
89.	*Aulodrilus pigueti* Kowalewski, 1914	1.90	–	–	[13]
90.	*Aulophorus* sp.	-	–	e	[14]
91.	*Branchiobdella* sp.	–	–	ot	[14]
92.	*Branchiura sowerbyi* Beddard, 1892	2.40	–	e	[13],[14]
93.	*Chaetogaster diaphanus* (Gruithuisen, 1828)	2.30	b	–	[5],[10],[13]
94.	*Chaetogaster diastrophus* (Gruithuisen, 1828)	2.20	–	–	[13]
95.	*Chaetogaster limnaei* von Baer, 1827	1.45	b	–	[5],[10],[13]
96.	*Chaetogaster* sp.	2.30	–	me	[13],[14]
97.	*Dendrodrilus rubidus* subsp. *subrubicundus* (Eisen, 1874)	–	–	e	[14]
98.	*Dero digitata* Müller, 1773	2.80	b	–	[5],[10],[13]
99.	*Dero dorsalis* Ferronnière, 1899	1.20	–	–	[13]
100.	*Dero obtusa* d'Udekem, 1855	2.70	–	–	[13]
101.	*Dero* sp.	2.90	–	e	[13],[14]
102.	*Dina lineata* (O.F.Müller, 1774)	3.10	–	me	[14]
103.	*Dorydrilus michaelseni* Piquet, 1913	–	–	me	[14]
104.	*Eiseniella tetraedra* (Savigny, 1826)	2.10	–	ot	[13],[14]
105.	Enchytraeidae gen. sp.	2.90	–	e	[13],[14]
106.	*Erpobdella octoculata* (Linnaeus, 1758)	–	a	–	[5],[10]
107.	*Erpobdella* sp.	2.65	a	me	[14],[16]
108.	Erpobdellidae gen. sp.	3.00	–	–	[7],[15]
109.	*Glossiphonia paludosa* (Carena, 1824)	2.40	–	me	[14]
110.	*Glossiphonia* sp.	2.70	–	me	[14]
111.	*Glossiphonia verrucata* (Müller, 1844)	2.30	–	me	[14]
112.	Glossiphoniidae gen. sp.	2.50	b	–	[7],[15],[16]
113.	*Glossosiphonia complanata* (Linnaeus, 1758)	–	b-a	–	[5],[10]
114.	*Haemopis sanguisuga* (Linnaeus, 1758)	2.60	b	me	[6],[10],[14],[16]
115.	*Haplotaxis gordioides* (Hartmann, 1821)	2.20	–	ot	[14]
116.	*Helobdella stagnalis* (Linnaeus, 1758)	2.90	–	e	[14]
117.	*Hemiclepsis marginata* (O. F. Müller, 1774)	2.20	–	me	[14]
118.	Hirudinidae gen. sp.	3.00	–	–	[15]
119.	*Hirudo medicinalis* Linnaeus, 1758	2.10	–	me	[14]
120.	*Hypania invalida* (Grube, 1860)	2.50	–	e	[13],[14]

121.	*Isochaetides michaelseni* (Lastočkin, 1937)	2.80	–	–	[13]
122.	*Isochaetides newaensis* (Michaelsen, 1903)	–	o	–	[5]
123.	*Lamprodrilus achaetus* Izosimov, 1962	–	o	–	[5],[10]
124.	*Lamprodrilus isoporus* Michaelsen, 1901	–	b	–	[5],[10]
125.	*Limnodrilus claparedeianus* Ratzel, 1868	2.90	b	–	[5],[10],[13]
126.	*Limnodrilus hoffmeisteri* Claparède, 1862	3.60	p-a	–	[4],[5],[10],[13]
127.	*Limnodrilus profundicola* (Verrill, 1871)	3.00	b	–	[5],[10],[13]
128.	*Limnodrilus udekemianus* Claparède, 1862	3.80	b	–	[5],[10], [13]
129.	Lumbricidae gen. sp.	2.50	–	–	[13]
130.	Lumbriculidae gen. sp.	2.20	b	–	[16]
131.	*Lumbriculus variegatus* (Müller, 1774)	2.30	b	–	[5],[10],[13]
132.	Naididae gen. sp.	3.70	b	–	[13],[15],[16]
133.	*Nais alpina* Sperber, 1948	–	o	–	[5],[10]
134.	*Nais barbata* Müller, 1773	2.80	b	–	[5],[10],[13]
135.	*Nais behningi* Michaelsen, 1923	1.00	o	–	[5],[10],[13]
136.	*Nais bretscheri* Michaelsen, 1898	2.50	o	–	[5],[10],[13]
137.	*Nais communis* Piguet, 1906	2.90	b	–	[5],[10],[13]
138.	*Nais elinguis* Müller, 1774	2.90	o	–	[5],[10],[11]
139.	*Nais pardalis* Piguet, 1906	2.40	-	–	[13]
140.	*Nais pseudobtusa* Piguet, 1906	1.70	o	–	[10],[13]
141.	Nais pseudoobtusa Piguet, 1906	–	o	–	[5]
142.	*Nais simplex* Piguet, 1906	2.70	o	–	[5],[10],[13]
143.	*Nais* sp.	2.90	–	me	[13],[14]
144.	*Nais variabilis* Piguet, 1906	2.90	–	–	[13]
145.	*Ophidonais serpentina* Müller, 1773	3.00	–	e	[13],[14]
146.	*Paranais frici* Hrabe, 1941	2.30	–	–	[13]
147.	*Paranais* sp.	–	–	e	[14]
148.	*Piguetiella blanci* (Piguet, 1906)	–	b	me	[5],[10],[14]
149.	*Piscicola geometra* (Linneaus, 1758)	2.20	b	me	[5],[10],[14],[16]
150.	Piscicolidae gen. sp.	2.50	–	–	[15]
151.	*Placobdella costata* (Müller, 1846)	1.60	–	me	[14]
152.	*Potamothrix hammoniensis* (Michaelsen, 1901)	2.70	b	–	[5],[10],[13]
153.	Potamothrix moldaviensis (Vejdovský et Mrázek, 1903)	2.50	–	–	[13],[14]
154.	*Pristina aequiseta* Bourne, 1891	2.40	–	–	[13]
155.	*Pristina bilobata* (Bretscher, 1903)	2.80	–	–	[13]
156.	*Pristina longiseta* Ehrenberg, 1828	2.50	–	–	[13]
157.	*Pristina rosea* Piguet, 1906	2.60	–	–	[13]
158.	*Pristina* sp.	2.60	–	e	[13],[14]
159.	*Pristinella* sp.	–	–	e	[14]
160.	*Propappus volki* Michaelsen, 1916	1.90	b	m	[5],[10],[13],[14]
161.	*Psammoryctides albicola* (Michaelsen, 1901)	2.70	b	–	[5],[10],[13]
162.	*Psammoryctides barbatus* (Grube, 1891)	2.00	b	–	[5],[10],[13]
163.	*Rhyacodrilus coccineus* (Vejdovský, 1875)	1.80	–	–	[13]
164.	*Rhynchelmis limosella* Hoffmeister, 1843	–	b	–	[5],[10]
165.	*Rhynchelmus vagensis*	0.40	x-o	–	[4]
166.	*Ripistes parasita* (Schmidt, 1847)	1.60	–	me	[13],[14]
167.	*Slavina appendiculata* d'Udekem, 1855	2.20	–	e	[13],[14]
168.	*Sparganophilus tamesis* Benham, 1892	-	–	e	[14]
169.	*Specaria josinae* (Vejdovksy, 1883)	2.50	–	e	[14]
170.	*Spirosperma ferox* Eisen, 1879	2.30	–	–	[13]
171.	*Stylaria lacustris* Linnaeus, 1767	2.40	o-b	e	[5],[10],[13],[14]
172.	*Stylodrilus heringianus* Claparède, 1862	1.90	o	ot	[4],[5],[10],[13],[14]
173.	Stylodrilus parvus (Hrabe et Cernosvitov, 1927)	–	o	–	[5],[10]
174.	*Tatriella slovenica* Hrabě, 1939	–	o	–	[5],[10]

175.	*Theromyzon tessulatum* (O. F. Müller, 1774)	2.40	–	me	[14]
176.	*Trocheta* sp.	–	–	e	[14]
177.	*Tubifex newaensis* (Michaelsen, 1903)	1.60	–	–	[10],[13]
178.	*Tubifex* sp.	3.70	–	–	[13]
179.	*Tubifex tubifex* (Müller, 1774)	3.70	p	–	[4],[5],[10],[13]
180.	Tubificidae gen. sp.	4.00	a	–	[15],[16]
181.	*Uncinais uncinata* Ørsted, 1842	2.00	b	me	[5],[10],[13],[14]
182.	*Vejdovskyella* sp.	-	–	ot	[14]
183.	*Vejdovskyella comata* (Vejdovský, 1884)	1.70	b	–	[5],[10],[13]
	Arthropoda (Kingdom: Animalia)				
184.	*Ablabesmyia* sp.	–	b-a	–	[5],[10]
185.	*Acanthocyclops vernalis* (Fischer, 1853)	1.85	b	–	[4]
186.	*Acanthocyclops viridis* (Jurine, 1820)	1.50	o-b	–	[6]
187.	*Acanthodiaptomus denticornis* (Wierzejski, 1887)	2.33	–	–	[3],[8]
188.	*Acentrella sinaica* Bogoescu, 1931	–	–	ot	[14]
189.	*Acentria ephemerella* Olivier, 1791	2.00	–	me	[14]
190.	*Acentropus niveus* (Olivier, 1791)	–	o	–	[5],[10]
191.	*Acilius* sp.	2.00	–	e	[14]
192.	*Acroperus harpae* (Baird, 1834)	1.17	–	–	[3],[8]
193.	*Adicella* sp.	–	–	ot	[14]
194.	Aeschnidae gen sp.	3.00	–	–	[7],[15]
195.	*Aeshna isosceles* Muller, 1767	–	–	me	[14]
196.	*Aeshna* sp.	2.00	–	me	[14]
197.	*Agabus* sp.	2.00	–	e	[14]
198.	*Agapetus* sp.	1.50	x-o	ot	[5],[10],[14],[16]
199.	*Agraylea* sp.	1.70	o-b	ot	[5],[10],[14]
200.	*Agrion* sp.	1.30	o	–	[16]
201.	*Agriotypus* sp.	–	–	me	[14]
202.	*Agrypnia* sp.	–	–	me	[14]
203.	*Allogamus* sp.	0.30	–	ot	[14]
204.	*Allotrichia pallicornis* (Eaton, 1873)	–	–	e	[14]
205.	*Alona affinis* Leydig, 1860	1.44	–	–	[3],[8]
206.	*Alona guttata* G. O. Sars, 1862	1.60	–	–	[3],[8]
207.	*Alona quadrangularis* (O. F. Müller, 1776)	1.25	–	–	[3],[8]
208.	*Alona rectangula* Sars, 1861	1.00	–	–	[3],[8]
209.	*Alonella excisa* (Fischer, 1854)	1.00	–	–	[3],[8]
210.	*Alonella nana* (Baird, 1850)	1.50	o-b	–	[3],[6],[8]
211.	*Alonopsis elongata* Sars, 1862	0.80	o	-	[4]
212.	Ameletidae gen. sp.	0.50	–	–	[15]
213.	*Ameletus inopinatus* Eaton, 1887	0.50	–	ot	[14]
214.	*Amphinemura* sp.	1.50	–	ot	[14]
215.	*Amphinemura sulcicollis* (Stephens, 1836)	–	o	–	[5],[10]
216.	*Anabolia brevipennis* (Curtis, 1834)	–	–	ot	[14]
217.	*Anabolia laevis* Zetterstedt, 1840	–	b-a	–	[5],[10]
218.	*Anabolia nervosa* (Curtis, 1834)	–	o-b	–	[5],[10]
219.	*Anabolia* sp.	2.30	b	me	[14],[16]
220.	*Anacaena* sp.	–	–	e	[14]
221.	*Anax* sp.	2.00	–	ot	[14]
222.	Anisops sardeus subsp. sardeus Herrich-Schaeffer, 18[1]	–	–	e	[14]
223.	*Anomalopterygella chauviniana* (Stein, 1874)	1.50	–	ot	[14]
224.	*Anopheles* sp.	2.50	–	me	[14]
225.	*Anostraca* gen. sp.	–	–	e	[14]
226.	*Apatania* sp.	1.00	o	ot	[5],[10], [14]
227.	Apataniidae gen. sp.	0.50	–	–	[15]
228.	Aphelocheiridae gen. sp.	2.00	–	–	[15]

229.	*Aphelocheirus aestivalis* (Fabricius, 1794)	2.00	o-b	ot	[5],[14],[16]
230.	*Apsectrotanypus trifascipennis* (Zetterstedt, 1838)	–	o-b	–	[5],[10]
231.	*Arctocorisa* sp.	–	–	ot	[14]
232.	Arctopsychidae gen. sp.	1.00	–	–	[15]
233.	*Arcynopteryx compacta* (McLachlan, 1872)	0.10	–	ot	[14]
234.	*Argulus* sp.	–	–	e	[14]
235.	*Arthroplea congener* Bengtsson, 1908	1.80	–	–	[14]
236.	Asellidae gen. sp.	3.00	o-b	–	[6],[7],[15]
237.	*Asellus aquaticus* (Linnaeus, 1758)	3.00	a	me	[5],[10],[14],[16]
238.	Astacidae gen. sp.	2.00	-	–	[15]
239.	*Astacus astacus* (Linnaeus, 1758)	2.00	–	ot	[14]
240.	*Astacus fluviatilis* Fabricius, 1775	–	o	–	[5],[10]
241.	*Astacus leptodactylus* (Eschscholz, 1823)	–	x-b	–	[5],[10]
242.	Athericidae gen. sp.	2.00	–	–	[15]
243.	*Atherix ibis* (Fabricius, 1798)	1.15	o	–	[4],[5],[10]
244.	*Atherix* sp.	1.10	o	ot	[14],[16]
245.	*Athripsodes* sp.	2.10	–	me	[14]
246.	*Atrichops crassipes* (Meigen, 1820)	–	–	ot	[14]
247.	*Atyaephyra desmaresti* (Millet, 1831)	2.30	–	e	[14]
248.	*Aulonogyrus* sp.	–	–	e	[14]
249.	*Austropotamobius* sp.	–	–	ot	[14]
250.	*Baetidac* sp.	2.10	b	–	[16]
251.	Baetidae gen. sp.	2.00	–	–	[7],[15]
252.	*Baetis bacillus* (Klu P.O., 1983)	–	b	–	[5],[10]
253.	*Baetis fuscatus* (Linnaeus, 1761)	–	b	–	[5],[10]
254.	*Baetis gemellus* Eaton, 1885	0.30	x	–	[4]
255.	*Baetis rhodani* (Pictet, 1843)	1.15	o-b	–	[5],[10],[16]
256.	*Baetis* sp.	1.70	–	e	[14]
257.	*Baetis tricolor* Tshernova, 1928	–	b	–	[5],[10]
258.	*Baetis ursinus* Kazlauskas, 1963	–	b	–	[5],[10]
259.	*Baetis vernus* Curtis, 1834	–	b	–	[5],[10]
260.	*Baetopus tenellus* (Albarda, 1878)	2.00	–	me	[14]
261.	*Beraea* sp.	0.50	–	–	[14]
262.	*Beraeamyia squamosa* Mosely, 1930	–	–	–	[14]
263.	Beraeidae gen. sp.	2.00	–	–	[15]
264.	*Beraeodes minutus* (Linnaeus, 1761)	2.00	–	e	[14]
265.	*Beraeodina palpalis* Mosely, 1931	–	–	–	[14]
266.	*Berosus* sp.	–	–	e	[14]
267.	*Besdolus* sp.	–	–	ot	[14]
268.	*Bezzia* sp.	2.20	b	–	[16]
269.	*Bidessus* sp.	–	–	me	[14]
270.	*Blepharicera fasciata* subsp. *fasciata* (Westwood 1842)	1.50	–	ot	[14]
271.	*Bosmina coregoni* Baird, 1857	1.50	o-b	–	[6]
272.	*Bosmina longirostris* (O. F. Müller, 1776)	1.53	o-b	–	[3],[8]
273.	*Bosmina thersites* Poppe, 1887	1.00	o	–	[6]
274.	*Boyeria irene* (Fonscolombe, 1838)	–	–	ot	[14]
275.	Brachycentridae gen. sp.	2.00	–	–	[15]
276.	*Brachycentrus maculatus* (Fourcroy, 1785)	1.90	o	ot	[10],[14]
277.	*Brachycentrus* sp.	–	–	ot	[14]
278.	*Brachycentrus subnubilus* Curtis, 1834	0.80	o	–	[16]
279.	*Brachycercus harrisella* Curtis, 1834	2.00	b	me	[5],[10], [14]
280.	*Brachyptera risi* (Morton, 1896)	–	x-o	–	[5],[10]
281.	*Brachyptera* sp.	1.20	–	ot	[14]
282.	*Brachytron pratense* Muller, 1764	–	–	e	[14]

283.	*Branchipus schaeferi* Fischer, 1934	–	o-b	–	[5],[10]
284.	*Brillia longifurca* Kieffer, 1921	–	o-b	–	[5],[10]
285.	*Brillia modesta* (Meigen, 1830)	–	o-b	–	[5],[10]
286.	*Brychius elevatus* (Panzer, 1794)	2.00	–	me	[14]
287.	*Bythotrephes cederströmii* Schödler, 1877	1.88	–	–	[3],[8]
288.	*Bythotrephes longimanus* Leydig, 1860	1.10	o	–	[3],[8]
289.	Caenidae gen. sp.	2.50	–	–	[7],[15]
290.	*Caenis horaria* (Linnaeus, 1758)	–	b-o	–	[5],[10]
291.	*Caenis miliaria* (Tshernova 1952)	–	b	–	[5],[10]
292.	*Caenis pseudorivulorum* Keffermüller, 1960	–	b	–	[5],[10]
293.	*Caenis robusta* Eaton, 1884	–	b	–	[5],[10]
294.	*Caenis* sp.	2.00	–	me	[14]
295.	*Calamoceras marsupus* Brauer, 1865	-	–	ot	[14]
296.	*Callicorixa praeusta praeusta* (Fieber, 1848)	2.30	–	e	[14]
297.	Calopterygidae gen. sp.	2.50	–	–	[7],[15]
298.	*Calopteryx* sp.	2.20	–	me	[14]
299.	*Candona eremita* (Vejdovsky, 1880)	–	x	–	[5]
300.	*Capnia bifrons* (Newman, 1838)	–	o	–	[5],[10]
301.	*Capnia* sp.	1.40	–	me	[14]
302.	Capniidae gen. sp.	1.00	–	–	[15]
303.	*Capnioneura* sp.	-	–	me	[14]
304.	*Capnopsis schilleri* subsp. *schilleri* (Rostock, 1892)	1.50	–	e	[14]
305.	*Carinogammarus roeselii* (Gervais, 1835)	–	x-b	–	[5],[10]
306.	*Cataclysta lemnata* (Linnaeus, 1758)	2.20	b	e	[5],[10], [14]
307.	*Catagapetus nigrans* McLachlan, 1884	–	–	ot	[14]
308.	*Centroptilum luteolum* (O. F. Müller, 1776)	2.10	b	me	[5],[10],[14]
309.	*Centroptilum pennulatum* Eaton, 1870	–	o-b	–	[5],[10]
310.	*Ceraclea* sp.	2.10	–	e	[14]
311.	Ceratopogoninae gen. sp.	–	–	e	[14]
312.	*Ceriagrion tenellum* (De Villers, 1789)	–	–	ot	[14]
313.	*Ceriodaphnia affinis* Lilljeborg, 1900	1.68	o-b	–	[3],[4],[8]
314.	*Ceriodaphnia pulchella* G. O. Sars, 1862	1.50	o-b	–	[6]
315.	*Ceriodaphnia quadrangula* (O. F. Müller, 1785)	2.00	b	–	[3],[6],[8]
316.	*Ceriodaphnia reticulata* (Jurine, 1820)	1.69	–	–	[3],[8]
317.	*Chaetarthria seminulum* (Herbst, 1797)	2.60	–	e	[14]
318.	*Chaetopteryx* sp.	–	o	–	[5],[10]
319.	*Chalcolestes viridis* (Van der Linden, 1825)	2.20	–	me	[14]
320.	*Chaoborus crystallinus* (De Geer, 1776)	2.25	b-a	–	[4],[5],[10]
321.	*Chaoborus* sp.	2.40	–	e	[14]
322.	*Cheumatopsyche lepida* (Pictet, 1834)	2.20	–	me	[14]
323.	*Chimarra marginata* (Linnaeus, 1767)	–	–	ot	[14]
324.	Chironomidae gen. sp.	2.00	b	–	[16]
325.	*Chironomiis plumosus*	3.70	p	–	[16]
326.	Chironomini gen. sp.	2.50	–	e	[14]
327.	Chironomus acutiventris Wulker et Ryser, 1983	–	a	–	[5],[10]
328.	*Chironomus cingulatus* Meigen, 1830	–	p-a	–	[5],[10]
329.	*Chironomus piger* Strenzke, 1959	–	p	–	[5],[10]
330.	*Chironomus plumosus* (Linnaeus, 1758)	–	p	–	[5],[10]
331.	*Chironomus semireductus* (Lenz, 1924)	–	b-a	–	[5],[10]
332.	*Chironomus thummi* (Kieffer, 1911)	3.65	p	–	[4],[5],[10]
333.	*Chitonophora krieghoffi* Ulmer, 1920	0.40	x-o	–	[4]
334.	*Chloroperla* sp.	1.50	–	ot	[14]
335.	*Chloroperla torrentium* (F. J. Pictet, 1841)	–	x-o	–	[5],[10]
336.	Chloroperlidae gen. sp.	1.00	–	–	[15]
337.	*Choroterpes picteti* (Eaton, 1871)	2.10	–	e	[14]

338.	*Choroterpes* sp.	–	b	–	[5],[10]
339.	Chrysomelidae gen. sp.	3.00	-	–	[15]
340.	*Chrysopilus* sp.	–	–	e	[14]
341.	*Chydorus ovalis* Kurz, 1874	1.63	–	–	[3],[8]
342.	*Chydorus sphaericus* (O. F. Mueller, 1785)	1.28	b-o	–	[3],[4],[6],[8]
343.	*Cladotanytarsus mancus* (Walker, 1856)	–	o-b	–	[5],[10]
344.	Clinocerinae gen. sp.	–	–	me	[14]
345.	*Cloeon bifidum* Bengtsson, 1912	–	b	–	[5],[10]
346.	*Cloeon dipterum* (Linnaeus, 1761)	–	b	–	[5],[10]
347.	Cloeon macronyx Kluge et Novikova, 1992	–	b	–	[5],[10]
348.	*Cloeon simile* Eaton, 1870	–	b	–	[5],[10]
349.	*Cloeon* sp.	2.30	–	e	[14]
350.	*Coenagrion* sp.	2.00	–	me	[14]
351.	Coenagrionidae gen. sp.	3.50	–	–	[7],[15]
352.	*Colymbetes* sp.	–	–	e	[14]
353.	*Conchapelopia melanops* (Meigen, 1818)	–	o-b	–	[5],[10]
354.	Conchostraca gen. sp.	–	–	e	[14]
355.	*Copelatus* sp.	–	–	e	[14]
356.	*Cordulegaster* sp.	1.50	–	ot	[14]
357.	Cordulegasteridae gen. sp.	1.50	–	–	[15]
358.	*Cordulia aenea* Linnaeus, 1758	1.60	–	me	[14]
359.	Corduliidae gen. sp.	2.00	–	–	[15]
360.	*Corixa* sp.	2.00	o-b	m	[5],[10],[14]
361.	Corixidae gen. sp.	2.50	–	–	[15]
362.	*Corophium* sp.	–	–	me	[14]
363.	*Crangonyx* sp.	–	–	me	[14]
364.	*Crenitis punctatostriata* (Letzner, 1840)	2.30	–	e	[14]
365.	*Cricotopus bicinctus* (Meigen, 1818)	–	b-o	–	[5],[10]
366.	*Cricotopus biformis* Edwards, 1929	–	x	–	[5],[10]
367.	*Cricotopus* gr. *algarum*	–	b-o	–	[5],[10]
368.	*Cricotopus* gr. *silvestris*	–	o-b	–	[5],[10]
369.	Cricotopus latidentatus Chernovskij, 19[1]	–	b-o	–	[5],[10]
370.	*Crocothemis erythraea* (Brullé, 1832)	–	–	me	[14]
371.	*Crunoecia* sp.	1.00	–	ot	[14]
372.	*Cryptochironomus defectus* (Kieffer, 1913)	–	b	–	[5],[10]
373.	*Cryptothrix* sp.	–	–	–	[14]
374.	*Culex* sp.	–	b-a	–	[5],[10]
375.	Culicinae gen. sp.	–	–	e	[14]
376.	*Cybister lateralimarginalis* (De Geer, 1774)	2.80	–	e	[14]
377.	*Cyclops furcifer* Claus, 1857	1.50	o	–	[3],[4],[8]
378.	*Cyclops serrulatus* Fischer, 1851	1.65	b	–	[4],[8]
379.	*Cyclops strenuus* Fischer, 1851	1.14	b-a	–	[3],[4],[8]
380.	*Cyclops vicinus* Ulyanin, 1875	1.38	b	–	[3],[8]
381.	*Cymatia* sp.	–	–	me	[14]
382.	*Cymbiodyta marginella* (Fabricius, 1792)	2.50	–	e	[14]
383.	*Cyphon* sp.	–	–	e	[14]
384.	*Cypria ophthalmica* (Jurine, 1820)	–	o-b	–	[5],[10]
385.	*Cypridopsis vidua* (Müller, 1776)	–	o-b	–	[5],[10]
386.	*Cyrnus* sp.	1.80	-	e	[14]
387.	*Cyzicus tetracerus* (Krynicki, 1830)	–	o-b	–	[5],[10]
388.	*Daphnia cristata cristata* G.O. Sars, 1862	1.00	o	–	[6]
389.	*Daphnia cucullata* G. O. Sars, 1862	1.88	b	–	[3],[6],[8]
390.	*Daphnia longispina* (Mueller, 1785)	1.58	b	–	[3],[4],[8]
391.	*Daphnia magna* Straus, 1820	1.58	a-p	–	[3],[4],[8]

392.	*Daphnia pulex* Leydig, 1860	1.72	a	–	[3],[4],[8]
393.	*Daphnia similis* Claus, 1876	1.88	–	–	[3],[8]
394.	Dasyheleinae gen. sp.	–	–	me	[14]
395.	*Deronectes* sp.	–	–	me	[14]
396.	*Diamesa insignipes* Kieffer, 1908	–	x-b	–	[5],[10]
397.	*Diamesa thienemanni* Kieffer, 1909	–	o-b	–	[5],[10]
398.	*Diaphanosoma brachyurum* (Liévin, 1848)	1.52	o-b	–	[3],[6],[8]
399.	*Diaptomus gracilis* Sars GO, 1863	1.00	o	–	[6]
400.	*Dictyogenus* sp.	1.00	–	ot	[14]
401.	*Dikerogammarus* sp.	2.20	–	e	[14]
402.	*Dinocras cephalotes* (Curtis, 1827)	–	x	–	[5],[10]
403.	*Dinocras* sp.	1.40	–	ot	[14]
404.	*Diplectrona felix* McLachlan, 1878	–	–	ot	[14]
405.	*Disparalona rostrata* (Koch, 1841)	1.13	–	–	[3],[8]
406.	*Diura bicaudata* (Linnaeus, 1758)	1.00	x	ot	[5],[10],[14]
407.	*Dixa* sp.	1.70	-	ot	[14]
408.	*Dixella* sp.	–	–	me	[14]
409.	*Dolerocypris fasciata* (O.F.Müller, 1776)	–	o	–	[5],[10]
410.	Dolichopodidae gen. sp.	–	–	e	[14]
411.	*Donacia* sp.	1.90	–	e	[14]
412.	*Drusus* sp.	1.00	x-o	ot	[5],[10],[14]
413.	Dryopidae gen. sp.	2.50	–	–	[15]
414.	*Dryops* sp.	–	–	e	[14]
415.	*Dupophilus brevis* Mulsant et Rey, 1873	–	–	ot	[14]
416.	Dytiscidae gen. sp.	2.50	–	–	[7],[15]
417.	*Dytiscus* sp.	2.10	–	e	[14]
418.	*Ecclisopteryx* sp.	1.10	–	ot	[14]
419.	*Ecdyonurus abracadabras* Kluge, 1983	–	b	–	[5]
420.	*Ecdyonurus russevi* Braasch et Soldán, 1985	–	b	–	[10]
421.	*Ecdyonurus* sp.	2.30	b	me	[14],[16]
422.	*Ecdyonurus vicinus* (Demoulin, 1964)	–	b	–	[5],[10]
423.	*Echinogammarus* sp.	1.50	–	me	[14]
424.	*Ecnomus* sp.	–	–	me	[14]
425.	*Electrogena* sp.	–	–	me	[14]
426.	Elmidae gen. sp.	1.50	–	–	[15]
427.	*Elmis* sp.	2.00	–	ot	[14]
428.	*Elodes* sp.	1.50	–	me	[14]
429.	Elodidae gen. sp.	2.00	–	–	[15]
430.	*Elophila nymphaeata* (Linnaeus, 1758)	2.00	–	me	[14]
431.	*Enallagma cyathigerum* Charpentier, 1840	2.10	–	me	[14]
432.	*Enchytraeus albidus* Henle, 1837	–	b	–	[5],[10]
433.	*Enochrus* sp.	1.50	–	e	[14]
434.	*Eoperla ochracea* (Kolbe, 1885)	–	–	ot	[14]
435.	*Epeorus assimilis* Eaton, 1865	–	x-o	–	[5],[10]
436.	*Epeorus pellucidus* (Brodsky, 1930)	–	b	–	[5],[10]
437.	*Epeorus* sp.	1.30	–	ot	[14]
438.	*Ephemera orientalis* McLachlan, 1875	–	b	–	[5],[10]
439.	*Ephemera* sp.	2.00	b	me	[14],[16]
440.	*Ephemera vulgata* Linnaeus, 1758	–	b	–	[5],[10]
441.	*Ephemerella ignita* Poda, 1761	–	b	–	[5],[10]
442.	*Ephemerella krieghoffi* (Ulmer, 1920)	–	x-o	–	[5],[10]
443.	*Ephemerella lenoki* Tshernova, 1952	–	b	–	[5],[10]
444.	Ephemerella lepnevae Tshernova, 19[1]	–	b	–	[5],[10]
445.	*Ephemerella major* Klapalek, 1905	–	o-b	–	[5],[10]
446.	*Ephemerella* sp.	1.80	–	me	[14]

447.	Ephemerella triacantha Tschernova, 19[1]	–	o	–	[5],[10]
448.	Ephemerellidae gen. sp.	2.00	–	–	[15]
449.	Ephemeridae gen. sp.	1.50	–	–	[15]
450.	*Ephoron virgo* (Olivier, 1791)	2.50	b	e	[5],[10],[14]
451.	Ephydridae gen. sp.	–	–	me	[14]
452.	*Epitheca bimaculata* Charpentier, 1825	–	–	me	[14]
453.	*Eretes sticticus* (Linnaeus, 1767)	–	–	e	[14]
454.	*Eriocheir sinensis* (Milne-Edwards, 1853)	1.50	o-b	e	[5],[10],[14]
455.	*Eristalis* sp.	4.00	p	–	[16]
456.	*Eristalis tenax* (Linnaeus, 1758)	–	p	–	[5],[10]
457.	*Ernodes* sp.	1.00	–	ot	[14]
458.	*Erotesis baltica* McLachlan, 1877	–	–	me	[14]
459.	*Erythromma* sp.	2.00	–	e	[14]
460.	*Esolus* sp.	–	–	ot	[14]
461.	*Eubosmina coregoni* (Baird, 1857)	1.54	o	-	[3],[8]
462.	*Eubosmina longispina* (Leydig, 1860)	1.50	–	–	[3],[8]
463.	*Eubria palustris* (Germar, 1818)	0.60	–	ot	[14]
464.	*Eucypris lutaria* (Koch, 1838)	–	o-b	–	[5],[10]
465.	*Eudiaptomus gracilis* (G. O. Sars, 1862)	1.50	o	–	[3],[8]
466.	*Eudiaptomus graciloides* (Lilljeborg, 1888)	1.50	–	–	[3],[8]
467.	*Eudiaptomus vulgaris* (Schmeil, 1896)	1.66	–	–	[3],[8]
468.	*Eukiefferiella bavarica* Goetghebuer, 1934	–	b-o	–	[5],[10]
469.	*Eukiefferiella brevicalcar* (Kieffer, 1911)	–	b-o	–	[5],[10]
470.	*Eukiefferiella clypeata* (Kieffer, 1923)	–	x	–	[5],[10]
471.	*Eukiefferiella coerulescens* (Kieffer in Zavřel, 1926)	–	b-o	–	[10]
472.	*Eukiefferiella hospita* (Edwards, 1929)	–	x	–	[5],[10]
473.	*Eukiefferiella longicalcar* Thienemann, 1926	–	b-o	–	[5],[10]
474.	Eukiefferiella longipes Chernovskij, 19[1]	–	b-o	–	[5],[10]
475.	*Eukiefferiella similis* Goetghebuer, 1939	–	b	–	[5],[10]
476.	*Eukiefferiella coerulescens* (Kieffer in Zavřel, 1926)	–	b-o	–	[5]
477.	*Eukiefferilla alpestris*	–	o	–	[5],[10]
478.	*Eurycercus lamellatus* (O. F. Mueller, 1776)	1.62	–	–	[3],[8]
479.	*Eylais infundibulifera* subsp. *meridionalis* (Thon 1899)	–	o-b	–	[10]
480.	*Eylais meridionalis* Thon, 1899	–	o-b	–	[5]
481.	*Feltria minuta* Koenike, 1892	0.20	x	–	[4]
482.	Gammaridae gen. sp.	2.50	-	–	[7],[15]
483.	*Gammarus pulex* (Linnaeus, 1758)	–	o-b	–	[5],[10],[16]
484.	*Gammarus pulex* subsp. *fossarum* Margalef, 1951	–	x-b	–	[5],[10]
485.	*Gammarus* sp.	–	–	me	[14]
486.	*Gerris* sp.	1.60	o-b	e	[5],[14]
487.	*Glaenocorisa propinqua* (Fieber, 1860)	0.70	–	ot	[14]
488.	*Glossosoma* sp.	1.50	–	ot	[14]
489.	Glossosomatidae gen. sp.	0.50	–	–	[15]
490.	*Glyphotaelius pellucidus* (Retzius, 1783)	2.20	–	me	[14]
491.	*Glyphotaelius* sp.	–	o-b	–	[5],[10]
492.	*Glyptotendipes barbipes* (Staeger, 1839)	–	p	–	[5],[10]
493.	*Glyptotendipes glaucus* (Meigen, 1818)	–	b	–	[5],[10]
494.	*Glyptotendipes gripekoveni* (Kieffer, 1913)	–	b	–	[5],[10]
495.	*Goera pilosa* (Fabricius, 1775)	2.10	o-b	me	[5],[10],[14]
496.	*Goera* sp.	1.50	o	–	[16]
497.	Goeridae gen. sp.	1.00	–	–	[15]
498.	Gomphidae gen. sp.	2.00	–	–	[15]
499.	*Gomphus* sp.	2.50	b	ot	[14],[16]
500.	*Grammotaulius* sp.	–	o	–	[5],[10]

501.	*Graphoderus* sp.	–	–	e	[14]
502.	*Graptodytes* sp.	–	–	e	[14]
503.	*Graptoleberis testudinaria* (Fischer, 1851)	1.21	o-b	–	[3],[6],[8]
504.	Gyrinidae gen. sp.	2.50	–	–	[15]
505.	*Gyrinus* sp.	2.00	–	e	[14]
506.	*Habroleptoides* sp.	–	–	ot	[14]
507.	*Habrophlebia* sp.	1.50	o-b	me	[5],[10],[14],[16]
508.	*Hagenella clathrata* (Kolenati, 1848)	1.10	–	e	[14]
509.	*Halesus* sp.	1.90	o	ot	[5],[10],[14]
510.	Haliplidae gen. sp.	2.50	–	–	[15]
511.	*Haliplus* sp.	1.80	–	e	[14]
512.	*Hapalothrix* sp.	–	–	ot	[14]
513.	*Helicopsyche* sp.	–	–	ot	[14]
514.	*Helochares* sp.	–	–	e	[14]
515.	Helophoridae gen. sp.	3.00	–	–	[15]
516.	*Helophorus* sp.	–	–	e	[14]
517.	Hemerodromiinae gen. sp.	–	–	me	[14]
518.	*Hemianax ephippiger* (Burmeister, 1839)	–	–	me	[14]
519.	*Hemimysis anomala* Sars, 1907	–	–	e	[14]
520.	*Hemisphaera guignoti* Schaefer, 1976	–	–	e	[14]
521.	*Heplagenia* sp.	2.00	b	–	[16]
522.	*Heptagenia flava* Rostock, 1878	–	b	–	[5],[10]
523.	*Heptagenia fuscogrisea* (Retzius, 1783)	–	b	–	[5],[10]
524.	*Heptagenia* sp.	2.00	-	me	[14]
525.	*Heptagenia sulphurea* (Müller, 1776)	–	b	-	[5],[10]
526.	Heptageniidae gen. sp.	2.00	–	–	[15]
527.	*Hesperocorixa* sp.	–	–	e	[14]
528.	*Heterocope appendiculata* Sars G. O., 1902	1.55	–	–	[3],[8]
529.	*Holocentropus* sp.	2.00	o	me	[5],[10],[14]
530.	*Hydaticus* sp.	1.90	-	e	[14]
531.	*Hydatophylax* sp.	–	–	–	[14]
532.	*Hydraena* sp.	2.00	–	me	[14]
533.	Hydraenidae gen. sp.	2.00	–	–	[15]
534.	*Hydrobius* sp.	–	–	e	[14]
535.	*Hydrochara* sp.	–	–	e	[14]
536.	Hydrochidae gen. sp.	3.00	–	-	[15]
537.	*Hydrochus* sp.	1.70	–	e	[14]
538.	*Hydrocyphon* sp.	–	–	me	[14]
539.	*Hydroglyphus* sp.	–	–	e	[14]
540.	*Hydrometra* sp.	–	–	me	[14]
541.	*Hydrometra stagnorum* (Linnaeus, 1758)	–	o-b	–	[5],[10]
542.	Hydrophilidae gen. sp.	3.00	–	–	[15]
543.	*Hydrophilus* sp.	1.50	–	e	[14]
544.	*Hydroporus* sp.	1.50	–	e	[14]
545.	*Hydropsyche instabilis* (Curtis, 1834)	–	x-o	–	[5],[10]
546.	*Hydropsyche* sp.	2.00	b	me	[5],[10],[14],[16]
547.	Hydropsychidae gen. sp.	2.00	–	–	[15]
548.	*Hydroptila* sp.	2.00	b	me	[5],[10],[14]
549.	Hydroptilidae gen. sp.	2.00	b	–	[15],[16]
550.	*Hydroscapha granulum* (Motschulsky, 1855)	–	–	me	[14]
551.	*Hydrovatus* sp.	1.80	–	e	[14]
552.	*Hygrobia hermanni* (Fabricius, 1775)	–	–	e	[14]
553.	*Hygrotus confluens* (Fabricius, 1787)	–	–	e	[14]
554.	*Hygrotus* sp.	1.70	–	e	[14]
555.	*Hyphydrus* sp.	–	–	e	[14]

556.	*Iliocryptus aequalis* Romijn, 1919	1.89	–	–	[3],[8]
557.	*Ilybius* sp.	2.00	–	e	[14]
558.	*Ilyocoris cimicoides* subsp. *cimicoides* (Linnaeus, 1758)	2.10	b	e	[5],[10],[14]
559.	*Ironoquia dubia* (Stephens, 1837)	2.00	–	e	[14]
560.	*Ischnura* sp.	2.00	–	me	[14]
561.	*Isogenus nubecula* Newman, 1833	2.00	–	me	[14]
562.	*Isonychia ussurica* Bajkova, 1970	–	b	–	[5],[10]
563.	*Isoperla grammatica* (Poda, 1761)	–	b	–	[5],[10]
564.	*Isoperla* sp.	1.60	–	ot	[14]
565.	*Isoptena serricornis* (Pictet, 1841)	1.70	–	–	[14]
566.	*Ithytrichia* sp.	–	–	ot	[14]
567.	*Jaera istri* Veuille, 1979	2.20	–	–	[14]
568.	*Laccobius* sp.	–	–	e	[14]
569.	*Laccophilus* sp.	–	–	e	[14]
570.	*Laccornis oblongus* (Stephens, 1835)	–	–	e	[14]
571.	*Lepidostoma basale* (Kolenati, 1848)	2.00	–	ot	[14]
572.	*Lepidostoma hirtum* (Fabricius, 1775)	2.00	–	ot	[14]
573.	Lepidostomatidae gen. sp.	1.50	–	-	[15]
574.	*Lepidurus apus* Linnaeus, 1758	1.50	–	e	[14]
575.	Leptoceridae gen. sp.	2.50	–	–	[15]
576.	*Leptocerus* sp.	2.50	–	me	[14]
577.	Leptoconopinae gen. sp.	–	–	me	[14]
578.	*Leptodora kindtii* (Focke, 1844)	1.75	b-o	–	[3],[6],[8]
579.	*Leptophlebia marginata* (Linnaeus, 1767)	–	b	–	[10]
580.	*Leptophlebia* sp.	1.80	–	me	[14]
581.	*Leptophlebia submarginata* (Stephens, 1835)	–	b	–	[5]
582.	Leptophlebiidae gen. sp.	1.50	–	–	[15]
583.	*Lestes* sp.	2.10	–	me	[14]
584.	Lestidae gen. sp.	3.00	–	–	[15]
585.	*Leucorrhinia dubia* Vander Linden, 1825	–	–	ot	[14]
586.	*Leuctra geniculata* Stephens, 1836	2.00	o	me	[5],[10],[14]
587.	*Leuctra hippopus* Kempny, 1899	–	x	–	[5],[10]
588.	*Leuctra nigra* (Olivier, 1811)	–	o-b	–	[5],[10]
589.	*Leuctra* sp.	1.50	–	ot	[14]
590.	Leuctridae gen. sp.	1.00	–	–	[15]
591.	*Libellula* sp.	2.20	–	e	[14]
592.	Libellulidae gen. sp.	3.00	–	–	[7],[15]
593.	*Limnebius* sp.	1.20	–	m	[14]
594.	Limnephilidae gen. sp.	2.00	–	–	[15]
595.	*Limnephilus decipiens* (Kolenati, 1848)	–	o-b	–	[5],[10]
596.	*Limnephilus extricatus* McLachlan, 1865	–	o-b	–	[5],[10]
597.	*Limnephilus flavicornis* (Fabricius, 1787)	–	o-b	–	[5],[10]
598.	*Limnephilus marmoratus* Curtis, 1834	–	o	–	[5],[10]
599.	*Limnephilus rhombicus* (Linnaeus, 1758)	–	o-b	–	[5],[10]
600.	*Limnephilus* sp.	1.75	b	–	[16]
601.	*Limnephilus stigma* Curtis, 1834	–	o-b	–	[5],[10]
602.	*Limnephilus vittatus* (Fabricius, 1798)	–	o-b	–	[5],[10]
603.	*Limnius* sp.	1.60	–	ot	[14]
604.	*Limnocythere inopinata* (Baird, 1843)	–	o-b	–	[5],[10]
605.	*Limnomysis benedeni* Czerniavsky, 1882	2.10	o	e	[5],[10], [14]
606.	*Limnosida frontosa* Sars 1862	1.00	o	–	[6]
607.	*Limnoxenus niger* (Gmelin, 1790)	2.70	–	e	[14]
608.	*Liponeura* sp.	1.00	–	ot	[14]
609.	*Lithax* sp.	0.60	–	ot	[14]

610.	*Lype* sp.	–	–	e	[14]
611.	*Macrocyclops albidus* (Jurine, 1820)	1.65	b	–	[3],[4],[6],[8]
612.	*Macrocyclops fuscus* (Jurine, 1820)	1.93	–	–	[3],[8]
613.	*Macromia splendens* (Pictet, 1843)	–	–	me	[14]
614.	*Macronychus quadrituberculatus* (Muller, 1806)	2.00	–	me	[14]
615.	*Macropelopia nebulosa* (Meigen, 1804)	–	b	–	[5],[10]
616.	*Macroplea appendiculata* (Panzer, 1794)	–	–	e	[14]
617.	Macrothrix hirsuticornis Norman et Brady, 1867	1.64	–	–	[3],[8]
618.	*Marthamea* sp.	–	–	ot	[14]
619.	*Megacyclops gigas* (Claus, 1857)	2.00	–	–	[3],[8]
620.	*Megacyclops viridis* (Jurine, 1820)	1.88	b-o	–	[3],[4],[8]
621.	*Melademа coriacea* Laporte, 1836	–	–	me	[14]
622.	*Melampophylax* sp.	–	–	–	[14]
623.	*Mesocyclops leukarti* (Claus, 1857)	1.69	o	–	[3],[4],[6],[8]
624.	*Mesophylax* sp.	2.00	–	–	[14]
625.	*Mesovelia* sp.	–	–	me	[14]
626.	*Metanoea* sp.	–	–	ot	[14]
627.	*Metaporus meridionalis* (Aube, 1838)	–	–	e	[14]
628.	*Metreletus balcanicus* (Ulmer, 1920)	0.90	–	e	[14]
629.	Metretopodidae gen. sp.	1.00	–	–	[15]
630.	*Metriocnemus* sp.	–	x-o	–	[5],[10]
631.	*Micrasema* sp.	1.50	–	ot	[14]
632.	*Microcara* sp.	–	–	e	[14]
633.	*Microchironomus tener* (Kieffer, 1918)	–	b	–	[5],[10]
634.	*Micronecta* sp.	–	–	ot	[14]
635.	*Microvelia* sp.	–	–	e	[14]
636.	*Mixodiaptomus theeli* (Lilljeborg in Guerne et Richard, 1889)	1.94	–	–	[3],[8]
637.	*Mochlonyx* sp.	–	–	me	[14]
638.	*Moina brachiata* (Jurine, 1820)	2.28	a-p	–	[3],[8]
639.	*Moina macrocopa* (Straus, 1820)	2.15	–	–	[3],[8]
640.	*Molanna albicans* (Zetterstedt, 1840)	–	o	–	[10]
641.	*Molanna angustata* Curtis, 1834	–	o	–	[5]
642.	*Molanna* sp.	1.00	o	e	[14],[16]
643.	Molannidae gen. sp.	2.00	–	–	[15]
644.	*Molannodes tinctus* (Zetterstedt, 1840)	–	–	ot	[14]
645.	Muscidae gen. sp.	3.00	–	e	[14],[15]
646.	*Mystacides* sp.	2.10	b	e	[5],[10],[14],[16]
647.	Naucoridae gen. sp.	3.00	–	–	[15]
648.	*Naucoris maculatus* subsp. *maculatus* Fabricius, 1798	–	–	ot	[14]
649.	*Nebrioporus* sp.	–	–	me	[14]
650.	*Nehalennia speciosa* Charpentier, 1840	–	–	me	[14]
651.	*Nemotaulius punctatolineatus* (Retzius, 1783)	–	–	ot	[14]
652.	*Nemoura erratica* Claassen, 1936	–	o	–	[5],[10]
653.	*Nemoura* sp.	1.50	–	me	[14]
654.	Nemouridae gen. sp.	2.00	–	–	[15]
655.	*Nemurella pictetii* (Klapálek, 1900)	1.00	x	ot	[5],[10],[14]
656.	*Nepa cinerea* Linnaeus, 1758	–	o-b	–	[5],[10]
657.	*Nepa* sp.	–	–	me	[14]
658.	Nepidae gen. sp.	2.50	–	–	[15]
659.	*Neureclipsis bimaculata* (Linnaeus, 1758)	2.10	o-b	e	[5],[10],[14]
660.	*Neurorthus fallax* (Rambur, 1842)	–	–	ot	[14]
661.	*Neutrodiaptomus incongruens* (Poppe, 1888)	1.94	–	–	[3],[8]
662.	*Niphargus aquilex* Schiödte, 1855	–	x	–	[5],[10]
663.	*Niphargus* sp.	0.10	–	ot	[14]
664.	*Nixe joernensis* (Bengtsson, 1909)	–	b	–	[5],[10]

665.	*Normandia* sp.	–	–	ot	[14]
666.	Noteridae gen. sp.	2.50	–	–	[15]
667.	*Noterus* sp.	–	–	e	[14]
668.	*Notidobia* sp.	–	–	ot	[14]
669.	*Notodromas monacha* (O. F. Müller, 1776)	–	o	–	[5],[10]
670.	*Notonecta* sp.	2.20	b	m	[5],[10],[14]
671.	Notonectidae gen. sp.	3.00	–	–	[7],[15]
672.	*Ochthebius* sp.	1.80	–	e	[14]
673.	*Odontocerum albicorne* (Scopoli, 1763)	1.30	–	ot	[14]
674.	*Oecetis* sp.	2.40	–	me	[14]
675.	*Oecismus monedula* (Hagen 1859)	1.50	–	ot	[14]
676.	*Oligoneuriella rhenana* (Imhoff, 1852)	2.00	b	me	[5],[10],[14]
677.	*Oligoplectrum maculatum* (Fourcroy, 1785)	–	o	–	[5]
678.	*Oligostomis reticulata* (Linnaeus, 1761)	2.10	–	–	[14]
679.	*Oligotricha striata* (Linnaeus, 1758)	1.80	o-b	me	[5],[14]
680.	*Onychogomphus* sp.	–	–	me	[14]
681.	*Ophiogomphus cecilia* (Fourcroy, 1785)	2.00	–	e	[14]
682.	*Orchestia* sp.	–	–	e	[14]
683.	*Orconectes limosus* (Rafinesque, 1817)	2.40	–	me	[14]
684.	*Orectochilus villosus* (O. F. Müller, 1776)	2.00	–	me	[14]
685.	*Oreodytes* sp.	1.60	–	ot	[14]
686.	*Orthetrum* sp.	–	–	e	[14]
687.	*Orthocladius rivulorum* Kieffer, 1909	–	x-o	–	[5],[10]
688.	*Orthocladius thienemanni* Kieffer et Thienemann, 1906	–	b	–	[5],[10]
689.	*Orthotrichia* sp.	2.10	–	e	[14]
690.	*Osmylus* sp.	–	–	ot	[14]
691.	*Oulimnius* sp.	–	–	ot	[14]
692.	*Oxyethira* sp.	1.80	o	ot	[5],[10],[14]
693.	*Oxygastra curtisii* (Dale, 1834)	–	–	me	[14]
694.	*Oxyurella tenuicaudis* (Sars, 1862)	1.50	–	–	[3],[8]
695.	*Pachyleuctra* sp.	–	–	ot	[14]
696.	*Pacifastacus* sp.	–	–	ot	[14]
697.	*Paduniella vandeli* Décamps 1965	–	–	–	[14]
698.	*Palingenia longicauda* (Olivier, 1791)	–	o	–	[5],[10]
699.	*Parachiona* sp.	–	–	ot	[14]
700.	*Paracorixa concinna* subsp. *concinna* (Fieber, 1848)	1.60	–	e	[14]
701.	*Paracyclops fimbriatus* (Fischer, 1853)	1.74	–	–	[3],[8]
702.	*Paracymus* sp.	–	–	e	[14]
703.	*Paragomphus genei* (Selys, 1841)	–	–	ot	[14]
704.	*Paraleptophlebia* sp.	1.80	–	me	[14]
705.	*Paraleptophlebia submarginata* (Stephens, 1835)	–	o-b	–	[5],[10]
706.	*Paraleptophlehia* sp.	1.50	o	–	[16]
707.	*Parapoynx stratiotata* (Linnaeus, 1758)	1.50	–	me	[14]
708.	*Parasigara* sp.	–	–	me	[14]
709.	*Paratrichocladius inaequalis* Kieffer, 1926	–	o-b	–	[5],[10]
710.	*Peltodytes* sp.	–	–	e	[14]
711.	*Peracantha truncata* (O. F. Müller, 1785)	1.54	o-b	–	[3],[6],[8]
712.	*Perla bipunctata* F. J. Pictet, 1833	–	o	–	[5],[10]
713.	*Perla burmeisteriana* Claassen, 1936	–	o-b	–	[5],[10]
714.	*Perla marginata* (Panzer, 1799)	–	x	–	[10]
715.	*Perla maxima* (Scopoli, 1763)	–	x	–	[5]
716.	*Perla* sp.	1.50	–	ot	[14]
717.	*Perlodes microcephalus* (F. J. Pictet, 1833)	–	o	–	[5],[10]
718.	*Perlodes* sp.	1.50	–	ot	[14]

719.	Perlodidae gen. sp.	1.00	–	–	[15]
720.	*Phalacrocera* sp.	–	–	e	[14]
721.	*Philopotamus* sp.	1.20	–	ot	[14]
722.	*Phryganea grandis* Linnaeus, 1758	–	o	–	[5],[10]
723.	*Phryganea* sp.	1.50	–	me	[14]
724.	Phryganeidae gen. sp.	2.50	–	–	[15]
725.	*Picripleuroxus striatus* (Schödler, 1862)	1.64	–	–	[3],[8]
726.	*Platambus maculatus* (Linnaeus, 1758)	2.30	–	me	[14]
727.	*Plateumaris* sp.	–	–	e	[14]
728.	Plathycnemididae gen. sp.	3.00	–	–	[15]
729.	*Platycnemis* sp.	–	–	me	[14]
730.	*Plea minutissima minutissima* Leach, 1817	2.00	–	me	[14]
731.	*Plecoptera* sp.	1.20	o	–	[16]
732.	*Plectrocnemia conspersa* (Curtis, 1834)	–	x-o	–	[5],[10]
733.	*Plectrocnemia* sp.	1.70	o	ot	[14],[16]
734.	Pleidae gen. sp.	2.50	–	–	[15]
735.	*Pleuroxus aduncus* (Jurine, 1820)	1.52	–	–	[3],[8]
736.	Podonominae gen. sp.	–	–	–	[14]
737.	*Podura aquatica* Linnæus, 1758	–	o-b	–	[5],[10]
738.	Polycentropodidae gen. sp.	1.50	–	–	[15]
739.	*Polycentropus* sp.	2.00	b	me	[5],[10],[14]
740.	Polymitarcyidae gen. sp.	2.00	–	–	[15]
741.	*Polypedilum bicrenatum* Kieffer, 1921	–	b	–	[5],[10]
742.	*Polypedilum nubeculosum* (Meigen, 1804)	–	b	–	[5],[10]
743.	*Polypedilum scalaenum* (Schrank, 1803)	–	b	–	[5],[10]
744.	*Polyphemus pediculus* (Linnaeus, 1761)	1.63	o	–	[3],[6],[8]
745.	*Pomatinus substriatus* (Müller, 1806)	2.20	–	me	[14]
746.	*Porhydrus lineatus* (Fabricius, 1775)	2.20	–	e	[14]
747.	Potamanthidae gen. sp.	2.00	–	–	[15]
748.	*Potamanthus luteus* (Linnaeus, 1767)	2.25	b	e	[5],[10],[14],[16]
749.	*Potamon* sp.	–	–	ot	[14]
750.	*Potamophilus acuminatus* (Fabricius, 1792)	2.00	–	me	[14]
751.	*Potamophylax latipennis* (Curtis, 1834)	–	o	–	[10]
752.	*Pottasia gaedei*	–	x	–	[5],[10]
753.	*Proasellus* sp.	–	–	me	[14]
754.	*Procambarus clarkii* (Girard, 1852)	–	–	e	[14]
755.	*Procladius choreus* (Meigen, 1804)	–	b-a	–	[5],[10]
756.	*Procladius ferrugineus* (Kieffer, 1918)	–	b-a	–	[5],[10]
757.	*Procloeon bifidum* (Bengtsson, 1912)	2.20	–	me	[14]
758.	*Procloeon pennulatum* (Eaton, 1870)	2.30	–	me	[14]
759.	*Prodiamesa olivacea* (Meigen, 1818)	–	b-a	–	[5],[10]
760.	*Prodiamesa* Kieffer, 1906	2.25	b-a	–	[4]
761.	*Prosopistoma pennigerum* (Müller, 1785)	–	o	me	[5],[10],[14]
762.	*Protonemura meyeri* (F. J. Pictet, 1841)	–	x	–	[10],[5]
763.	*Protonemura* sp.	1.50	–	ot	[14]
764.	*Psectrotanypus varius* (Fabricius, 1787)	–	b-a	–	[5],[10]
765.	*Pseudochydorus globosus* (Baird, 1843)	1.77	–	–	[3],[8]
766.	*Pseudoneureclipsis lusitanicus* Malicky, 1980	–	–	me	[14]
767.	*Psychoda* sp.	–	p	–	[5],[10]
768.	Psychodidae gen. sp.	–	–	e	[14]
769.	*Psychomyia fragilis* (Pictet, 1834)	–	–	e	[14]
770.	Psychomyia pusilla (Fabricius, 1781)	2.10	–	me	[14]
771.	Psychomyidae gen. sp.	2.00	–	–	[15]
772.	*Ptilocolepus granulatus* (Pictet, 1834)	1.00	–	ot	[14]
773.	Ptychopteridae gen. sp.	–	–	e	[14]

774.	*Pyrrhosoma nymphula* (Sulzer, 1776)	2.10	–	me	[14]
775.	*Ranatra linearis* (Linnaeus, 1758)	2.00	b	m	[5],[10],[14]
776.	*Rhabdiopteryx* sp.	1.40	–	me	[14]
777.	*Rhantus grapii* (Gyllenhal, 1808)	2.50	–	e	[14]
778.	*Rhantus* sp.	–	–	e	[14]
779.	*Rheocricotopus bruensis* Goetghebuer, 1937	–	b	–	[12],[10]
780.	*Rheotanytarsus exiguus* (Johannsen, 1905)	–	o-b	–	[5],[10]
781.	*Rhithrogena bajkovae* Sowa, 1973	–	o-b	–	[5],[10]
782.	*Rhithrogena semicolorata* (Curtis, 1834)	–	x	–	[5],[10]
783.	*Rhithrogena* sp.	0.50	–	ot	[14]
784.	*Rhyacophila (Pararhyacophila)* sp.	1.10	–	ot	[14]
785.	*Rhyacophila dorsalis* (Curtis, 1834)	–	o	–	[5],[10]
786.	*Rhyacophila laevis* Pictet, 1834	1.00	–	ot	[14]
787.	*Rhyacophila* sp.	1.40	o-b	ot	[5],[10],[14],[16]
788.	Rhyacophilidae gen. sp.	1.00	–	–	[15]
789.	*Riolus* sp.	1.70	–	ot	[14]
790.	*Scapholeberis microcephala* Sars, 1890	1.00	o	–	[4]
791.	*Scapholeberis mucronata* (O. F. Müller, 1776)	1.79	–	–	[3],[8]
792.	*Scarodytes halensis* (Fabricius, 1787)	1.90	–	e	[14]
793.	*Schizopelex furcifera* McLachlan, 1880	–	–	ot	[14]
794.	Sciomyzidae gen. sp.	–	–	e	[14]
795.	*Scirtes* sp.	–	–	e	[14]
796.	*Sericostoma personatum* (Kirby et Spence, 1826)	–	o	–	[5],[10]
797.	*Sericostoma* sp.	1.50	o	ot	[14],[16]
798.	Sericostomatidae gen. sp.	1.50	–	–	[15]
799.	*Serratella* sp.	–	–	me	[14]
800.	*Setodes* sp.	–	–	e	[14]
801.	Sialidae gen. sp.	2.00	–	–	[7],[15]
802.	*Sialis lutaria* (Linnaeus, 1758)	–	b-a	–	[5],[10]
803.	*Sialis* sp.	2.35	b	me	[14],[16]
804.	*Sida crystallina* (O. F. Müller, 1776	1.50	o	–	[3],[8]
805.	*Siettitia* sp.	–	–	ot	[14]
806.	*Sigara* sp.	2.00	–	me	[14]
807.	Silo pallipes (Fabricius, 1781)	–	o	-	[5],[10]
808.	*Silo* sp.	1.50	o	ot	[14],[16]
809.	*Silonella aurata* (Hagen, 1864)	–	–	ot	[14]
810.	*Simocephalus vetulus* (O. F. Müller, 1776)	1.80	o-b	–	[3],[8]
811.	Simuliidae gen. sp.	1.15	o-b	–	[4],[15],[16]
812.	*Simulium* sp.	–	o-b	–	[5],[10]
813.	Siphlonuridae gen. sp.	2.50	–	–	[15]
814.	*Siphlonurus alternatus* (Say, 1824)	–	b	–	[5],[10]
815.	*Siphlonurus* sp.	2.00	–	e	[14]
816.	*Siphonoperla* sp.	1.40	–	ot	[14]
817.	*Sisyra* sp.	–	–	e	[14]
818.	*Sminthurides aquaticus* (Bourlet, 1842)	–	o-b	-	[5],[10]
819.	*Somatochlora* sp.	–	–	ot	[14]
820.	*Spercheus emarginatus* (Schaller, 1783)	2.10	–	e	[14]
821.	*Stactobia* sp.	–	–	e	[14]
822.	Stactobiella risi (Felber 1908)	–	–	ot	[14]
823.	*Stenelmis* sp.	1.80	–	me	[14]
824.	*Stenophylax* sp.	–	o-b	–	[5],[10]
825.	*Stenophylax stellatus* Curtis, 1834	–	o	–	[5]
826.	*Stictonectes* sp.	–	–	me	[14]
827.	*Stictotarsus duodecimpustulatus* (Fabricius, 1792)	2.00	–	me	[14]

828.	Stratiomyidae gen. sp.	–	–	ot	[14]
829.	*Stratiomys chamaeleon* (Linnaeus, 1758)	–	a	–	[5],[10]
830.	*Sympecma* sp.	–	–	ot	[14]
831.	*Sympetrum* sp.	2.10	–	me	[14]
832.	*Synagapetus* sp.	1.00	–	ot	[14]
833.	Syrphidae gen. sp.	–	–	e	[14]
834.	Tabanidae gen. sp.	–	–	e	[14]
835.	*Tabanus* sp.	2.35	b-a	-	[5],[10],[16]
836.	Taeniopterigidae gen. sp.	1.50	–	–	[15]
837.	*Taeniopteryx nebulosa* (Linnaeus, 1758)	–	o-b	–	[5],[10]
838.	*Taeniopteryx* sp.	1.50	–	me	[14]
839.	Tanypodinae gen. sp.	–	–	e	[14]
840.	*Tanypus punctipennis* Meigen, 1818	–	b-a	-	[5],[10]
841.	Tanytarsini gen. sp.	–	–	me	[14]
842.	*Tanytarsus gregarius* Kieffer, 1909	–	o	–	[5],[10]
843.	Thaumaleidae gen. sp.	–	–	ot	[14]
844.	*Thermocyclops oithonoides* (Sars G. O., 1863)	1.65	o	–	[3],[6],[8]
845.	*Thienemanniella clavicornis* (Kieffer, 1911)	–	o	–	[5],[10]
846.	*Thraulus bellus* Eaton, 1881	–	–	ot	[14]
847.	*Thremma gallicum* McLachlan, 1880	–	x-o	–	[5],[10]
848.	*Thremma* sp.	–	–	ot	[14]
849.	*Tinodes* sp.	1.20	–	e	[14]
850.	*Tipula* sp.	–	o-p	–	[5],[10]
851.	Tipulidae gen. sp.	–	–	ot	[14]
852.	*Torleya major* (Klapálek, 1905)	2.00	–	ot	[14]
853.	*Triaenodes bicolor* (Curtis, 1834)	–	o	–	[5],[10]
854.	*Triaenodes* sp.	1.70	–	e	[14]
855.	*Tricholeiochiton fagesii* (Guinard, 1879)	–	–	me	[14]
856.	*Trichostegia minor* (Curtis, 1834)	1.50	–	ot	[14]
857.	*Triogma* sp.	–	–	me	[14]
858.	*Triops cancriformis* (Bosc, 1801)	1.50	o-b	e	[5],[10],[14]
859.	*Typhlocypris eremita* (Vejdovský, 1882)	–	x	–	[10]
860.	*Velia* sp.	1.00	–	ot	[14]
861.	*Wormaldia* sp.	1.40	–	ot	[14]
862.	*Xanthoperla apicalis* (Newman, 1836)	0.30	–	ot	[14]
863.	*Ylodes simulans* (Tjeder, 1929)	–	–	e	[14]
864.	*Yola bicarinata* (Latreille, 1804)	–	–	me	[14]
	Bryozoa (Kingdom: Animalia)				
865.	*Cristatella mucedo* Cuvier, 1798	2.10	o	me	[5],[10], [14]
866.	*Fredericella sultana* (Blumenbach, 1779)	2.00	–	me	[14]
867.	*Hyalinella punctata* (Hancock, 1850)	2.20	–	e	[14]
868.	*Lophopus crystallinus* (Pallas, 1768)	1.00	–	ot	[14]
869.	*Paludicella articulata* (Ehrenberg, 1831)	2.20	o-b	me	[5],[10],[14]
870.	*Pectinatella magnifica* (Leidy 1851)	1.60	–	ot	[14]
871.	*Plumatella fungosa* (Pallas, 1768)	–	b	–	[5],[10]
872.	*Plumatella repens* (Linnaeus, 1758)	–	b	–	[5],[10]
873.	*Plumatella* sp.	2.30	–	e	[14]
	Cnidaria (Kingdom: Animalia)				
874.	*Chlorohydra viridissima* (Pallas, 1766)	–	o	–	[5],[10]
875.	*Cordylophora caspia* (Pallas, 1771)	2.20	o-b	me	[11],[14]
876.	*Craspedacusta sowerbyi* Lankester, 1880	–	–	me	[14]
877.	*Hydra attenuata* Pallas, 1766	–	o-b	–	[5],[10]
878.	*Hydra oligactis* Pallas, 1766	–	b	–	[10]
879.	*Hydra* sp.	1.80	o-b	ot	[12],[14]
880.	*Hydra vulgaris* Pallas, 1766	–	o-b	–	[5],[10]

881.	*Pelmatohydra oligactis* (Pallas, 1766)	–	b	–	[5]
	Ecdysozoa (Kingdom: Animalia)				
882.	*Gordiidae* gen. sp.	–	–	ot	[14]
883.	Nematoda gen. sp.	1.55	o-b	–	[12]
	Gastrotricha (Kingdom: Animalia)				
884.	*Aspidiophorus paradoxus* (Voigt, 1902)	–	b	–	[5],[10]
885.	*Chaetonotus arquatus* Voigt, 1903	–	b-a	–	[5],[10]
886.	*Chaetonotus brevispinosus* Zelinka, 1889	–	o-b	–	[5],[10]
887.	*Chaetonotus chuni* Voigt, 1901	–	o	–	[5],[10]
888.	*Chaetonotus heideri* Brehm, 1917	–	o	–	[5],[10]
889.	*Chaetonotus hystrix* Metschnikoff, 1865	–	o-b	–	[5],[10]
890.	*Chaetonotus linguaeformis* Voigt, 1902	–	b	–	[5],[10]
891.	*Chaetonotus macrochaetus* Zelinka, 1889	–	o	–	[5],[10]
892.	*Chaetonotus maximus* Ehrenberg, 1838	–	o	–	[5],[10]
893.	*Chaetonotus multispinosus* Grünspan, 1908	–	o	–	[5],[10]
894.	*Chaetonotus octonarius* Stokes, 1887	–	o-b	–	[5],[10]
895.	*Chaetonotus ploenensis* Voigt, 1909	–	o	–	[5],[10]
896.	*Chaetonotus schultzei* Metschnikoff, 1865	–	o	–	[5],[10]
897.	*Chaetonotus simrothi* Voigt, 1909	–	a	–	[5],[10]
898.	*Dasydytes dubius* Voigt, 1909	–	b	–	[5],[10]
899.	*Dasydytes festinans* Voigt, 1909	–	a	–	[5],[10]
900.	*Dasydytes longisetosus* Metschnikoff, 1865	–	b-a	–	[5],[10]
901.	*Dasydytes ornatus* Voigt, 1909	–	a	–	[5],[10]
902.	*Dasydytes saltitans* Stokes, 1887	–	a	–	[5],[10]
903.	*Heterolepidoderma ocellatum* (Metschnikoff, 1865)	–	b	–	[5],[10]
904.	*Ichthydium forcipatum* Voigt, 1901	–	o	–	[5],[10]
905.	*Ichthydium podura* (Müller, 1773)	–	b	–	[5],[10]
906.	*Lepidodermella squamata* (Dujardin, 1841)	–	o	–	[10]
907.	*Neogossea antennigera* (Gosse, 1851)	–	a	–	[5],[10]
908.	*Polymerurus nodicaudus* (Voigt, 1901)	–	a	–	[5],[10]
909.	*Stylochaeta fusiformis* (Spencer, 1890)	–	o	–	[5],[10]
910.	*Stylochaeta stylifera* (Voigt, 1901)	–	o	–	[5],[10]
	Mollusca (Kingdom: Animalia)				
911.	Acroloxidae gen. sp.	2.50	–	–	[15]
912.	*Acroloxus lacustris* (Linnaeus, 1758)	2.20	o-b	me	[5],[10],[14]
913.	*Ampullaceana balthica* (Linnaeus, 1758)	–	b	–	[10]
914.	*Ampullaceana intermedia* (Lamarck, 1822)	–	b	–	[10],[5]
915.	*Ampullaceana lagotis* (Schrank, 1803)	–	b	–	[5],[10]
916.	Ancylidae gen. sp.	1.50	–	–	[15]
917.	*Ancylus fluviatilis* O. F. Müller, 1774	2.00	o-b	ot	[4],[5],[10],[14],[16]
918.	*Anisus septemgyratus* (Rossmässler, 1835)	–	o	–	[5],[10]
919.	*Anisus* sp.	2.20	–	ot	[14]
920.	*Anisus vortex* (Linnaeus, 1758)	–	o-b	–	[5],[10]
921.	*Anodonta cygnea* (Linnaeus, 1758)	–	b	–	[5],[10]
922.	*Anodonta* sp.	2.20	–	me	[14]
923.	*Aplexa hypnorum* (Linnaeus, 1758)	1.60	o-b	me	[10],[14]
924.	*Armiger crista* (Linnaeus, 1758)	–	o	–	[5],[10]
925.	*Bathyomphalus contortus* (Linnaeus, 1758)	2.20	–	ot	[14]
926.	*Belgrandia* sp.	–	–	ot	[14]
927.	*Bithynia leachi* (Sheppard, 1823)	–	o-b	–	[5],[10]
928.	*Bithynia* sp.	–	–	me	[14]
929.	*Bithynia tentaculata* (Linnaeus, 1758)	2.20	b	–	[5],[10],[16]
930.	Bithyniidae gen. sp.	2.50	–	–	[7],[15]
931.	Bulinidae gen. sp.	2.50	–	–	[15]

932.	*Bythinella austriaca* (Frauenfeld, 1857)	–	x	–	[5],[10]
933.	*Bythinella* sp.	1.00	–	ot	[14]
934.	*Bythiospeum* sp.	1.00	–	ot	[14]
935.	*Congeria* sp.	–	–	me	[14]
936.	*Corbicula* sp.	2.20	–	e	[14]
937.	*Dreissena polymorpha* (Pallas, 1771)	2.10	o-b	me	[4],[5],[10],[14],[16]
938.	Dreissenidae gen. sp.	2.50	–	–	[15]
939.	*Euglesa casertana* (Poli, 1791)	–	o	–	[10]
940.	*Euglesa* sp.	2.10	b	–	[16]
941.	Euglesidae gen. sp.	2.50	–	–	[15]
942.	*Ferrissia* sp.	–	–	ot	[14]
943.	*Galba truncatula* (O. F. Müller, 1774)	2.10	o-b	e	[10],[14]
944.	*Gyraulus acronicus* (Férussac, 1807)	2.20	b	e	[5],[10],[14]
945.	*Gyraulus albus* (O. F. Müller, 1774)	–	b	–	[5],[10]
946.	*Gyraulus crista* (Linnaeus, 1758)	2.20	–	e	[14]
947.	*Gyraulus* sp.	2.00	–	me	[14]
948.	*Hippeutis complanatus* Linnaeus, 1758	1.80	–	e	[14]
949.	Lithoglyphidae gen. sp.	2.50	–	–	[15]
950.	*Lithoglyphus naticoides* (C. Pfeiffer, 1828)	2.20	–	e	[14]
951.	*Lymnaea auricularia* (Linnaeus, 1758)	–	b	–	[5],[10]
952.	*Lymnaea ovata* (Draparnaud, 1805)	–	b	–	[5]
953.	*Lymnaea palustris* (O. F. Müller, 1774)	–	b	–	[5]
954.	*Lymnaea peregra* (O. F. Müller, 1774)	–	o-a	–	[5]
955.	*Lymnaea stagnalis* (Linnaeus, 1758)	2.00	b	me	[5],[10],[14],[16]
956.	*Lymnaea truncatula* (O. F. Müller, 1774)	–	o-b	–	[5]
957.	Lymnaeidae gen. sp.	2.50	b	–	[7],[15],[16]
958.	*Margaritifera margaritifera* (Linnaeus, 1758)	1.50	o	ot	[5],[10],[14]
959.	*Menetus* sp.	–	–	e	[14]
960.	*Musculium* sp.	–	–	me	[14]
961.	*Myxas glutinosa* (O. F. Mueller, 1774)	1.90	o	me	[5],[10],[14]
962.	Neritidae gen. sp.	2.50	–	–	[7],[15]
963.	*Peregriana peregra* (O. F. Müller, 1774)	2.00	b	–	[4],[10]
964.	*Physa fontinalis* (Linnaeus, 1758)	2.00	o-b	e	[5],[10],[14]
965.	*Physella acuta* (Draparnaud, 1805)	–	b	–	[5],[10]
966.	*Physella* sp.	–	–	me	[14]
967.	Physidae gen. sp.	3.00	–	–	[7],[15]
968.	*Pisidium obtusale* (Lamarck, 1818)	–	o	–	[5],[10]
969.	*Pisidium* sp.	2.40	–	ot	[14]
970.	*Planorbarius corneus* (Linnaeus, 1758)	2.35	b	–	[16]
971.	Planorbidae gen. sp.	3.00	–	–	[7],[15]
972.	*Planorbis planorbis* (Linnaeus, 1758)	–	b	–	[5],[10]
973.	*Planorbis* sp.	–	–	me	[14]
974.	*Potamopyrgus antipodarum* (Gray, 1843)	3.00	–	e	[14]
975.	*Potomida littoralis* (Cuvier, 1798)	–	–	ot	[14]
976.	*Pseudanodonta* sp.	–	–	ot	[14]
977.	*Radix* sp.	2.30	–	me	[14]
978.	*Segmentina nitida* (O. F. Muller, 1774)	1.50	–	me	[14]
979.	Sphaeriidae gen. sp.	2.50	–	–	[7],[15]
980.	*Sphaerium corneum* (Linnaeus, 1758)	–	b-a	–	[5],[10]
981.	*Sphaerium* sp.	2.60	b	me	[14],[16]
982.	*Stagnicola palustris* (O. F. Müller, 1774)	–	b	–	[10]
983.	*Stagnicola* sp.	2.00	–	me	[14]
984.	*Theodoxus fluviatilis* (Linnaeus, 1758)	2.00	o	me	[5],[10],[14],[16]
985.	*Unio pictorum* (Linnaeus, 1758)	–	b	–	[5],[10]
986.	*Unio* sp.	1.80	–	me	[14]

987.	Unionidae gen. sp.	2.50	b	–	[15],[16]
988.	*Valvata piscinalis* (O. F. Müller, 1774)	–	b	–	[5],[10]
989.	*Valvata* sp.	2.20	b	me	[14],[16]
990.	Valvatidae gen. sp.	3.00	–	–	[15]
991.	Viviparidae gen. sp.	2.50	–	–	[7],[15]
992.	*Viviparus* sp.	–	–	me	[14]
993.	*Viviparus viviparus* (Linnaeus, 1758)	1.65	b	–	[5],[10],[16]
	Nemertea (Kingdom: Animalia)				
994.	*Gordius aquaticus* Linnaeus, 1758	0.80	o	–	[5],[10],[16]
995.	*Prostoma graecense* (Böhmig, 1892)	1.50	–	e	[14]
	Platyhelminthes (Kingdom: Animalia)				
996.	*Bdellocephala punctata* (Pallas, 1774)	–	–	e	[14]
997.	*Crenobia alpina* (Dana, 1766)	1.10	x	ot	[5],[10],[14]
998.	*Cura foremanii* (Girard, 1852)	–	o-b	–	[10]
999.	*Dendrocoelum lacteum* (Müller, 1774)	2.70	b	e	[5],[10],[14],[16]
1000.	*Dugesia* sp.	–	–	e	[14]
1001.	*Euplanaria lugubris* (Schmidt, 1861)	1.60	b	–	[16]
1002.	*Phagocata vitta* (Duges, 1830)	–	–	ot	[14]
1003.	*Planaria gonocephala* Duges, 1830	–	x-o	–	[5],[10]
1004.	*Planaria lugubris* Schmidt, 1861	–	o-b	–	[5]
1005.	*Planaria polychroa* Schmidt, 1861	–	b-a	–	[5]
1006.	*Planaria* sp.	–	–	me	[14]
1007.	*Planaria torva* (O. F. Müller, 1774)	2.40	b-a	–	[5],[10],[12],[16]
1008.	*Polycelis felina* (Dalyell, 1814)	0.80	o	–	[5],[10],[16]
1009.	*Polycelis nigra* (Müller, 1774)	2.15	b	–	[5],[10],[16]
1010.	*Polycelis* sp.	–	–	me	[14]
1011.	*Schmidtea polychroa* (Schmidt, 1861)	–	b-a	–	[10]
	Porifera (Kingdom: Animalia)				
1012.	*Ephydatia fluviatilis* (Linnaeus, 1759)	–	b	–	[5],[10]
1013.	*Heteromeyenia baileyi* (Bowerbank, 1863)	–	–	ot	[14]
1014.	*Spongia* sp.	1.80	b	–	[16]
1015.	*Spongilla lacustris* (Linnaeus, 1758)	2.20	b	me	[5],[10],[12],[14]
1016.	*Trochospongilla horrida* Weltner, 1893	2.00	–	ot	[14]
	Protozoa *incertae sedis* (Kingdom: Animalia)				
1017.	*Phyllomitus amylophagus* G. A. Klebs 1892	3.00	a	–	[1]
	Rotifera (Kingdom: Animalia)				
1018.	*Acyclus trilobus* (Lucks, 1911)	1.00	o	–	[18]
1019.	*Adineta barbata* Janson, 1893	1.00	o	–	[17],[18]
1020.	*Adineta elongata* Rodewald, 1935	1.00	o	–	[18]
1021.	*Adineta glauca* Wulfert, 1942	0.20	o	–	[18]
1022.	*Adineta gracilis* Janson, 1893	1.50	o-b	–	[18]
1023.	*Adineta oculata* (Milne, 1886)	2.30	b	–	[18]
1024.	*Adineta vaga* subsp. *minor* Bryce, 1873	1.00	o	–	[18]
1025.	*Adineta vaga* subsp. *vaga* (Davis, 1873)	1.90	o-b	–	[18]
1026.	*Albertia typhlina* Harring et Myers, 1928	1.00	o	–	[18]
1027.	*Anuraeopsis fissa* (Gosse,1851)	1.20	o	–	[17],[18]
1028.	*Anuraeopsis fissa* subsp. *fissa* Gosse, 1851	1.20	o	–	[17],[18]
1029.	*Ascomorpha ecaudis* Perty, 1850	1.30	o	–	[17],[18]
1030.	*Ascomorpha minima* von Hofsten, 1909	1.70	b	–	[18]
1031.	*Ascomorpha ovalis* (Bergendal, 1892)	1.20	o	–	[17],[18]
1032.	*Ascomorpha saltans* Bartsch, 1870	1.00	o	–	[18]
1033.	*Ascomorphella volvocicola* (Plate, 1886)	1.50	o-b	–	[18]
1034.	*Aspelta circinator* (Gosse, 1886)	1.00	o	–	[17],[18]
1035.	*Aspelta lestes* Harring et Myers, 1928	1.00	o	–	[18]

1036.	*Asplanchna brightwelli* Gosse, 1850	2.50	a	–	[17],[18]
1037.	*Asplanchna girodi* de Guerne, 1888	1.50	b	–	[17],[18]
1038.	*Asplanchna herrickii* De Guerne, 1888	1.61	o	–	[3],[8],[17],[18]
1039.	*Asplanchna intermedia* Hudson, 1886	1.50	o-b	–	[18]
1040.	*Asplanchna priodonta* Gosse, 1850	1.50	b	–	[3],[6],[8],[17],[18]
1041.	*Asplanchna sieboldii* (Leydig, 1854)	1.50	b	–	[17],[18]
1042.	*Asplanchnopus multiceps* (Schrank, 1793)	1.50	b	–	[17],[18]
1043.	*Atrochus tentaculatus* Wierzejski, 1893	1.50	b	–	[17]
1044.	Bdelloidea Donner, 1951	2.20	b	–	[18]
1045.	*Beauchampia crucigera* (Dutrochet, 1812)	1.90	b	–	[17],[18]
1046.	*Beauchampiella eudactylota* (Gosse, 1886)	1.50	b	–	[17]
1047.	*Beauchampiella eudactylota* (Gosse, 1886)	1.20	o	–	[18]
1048.	*Brachionus angularis* f. *aestivus* Skorikov, 1914	1.90	b	–	[17]
1049.	*Brachionus angularis* subsp. *angularis* Gosse, 1851	2.50	a	–	[6],[17],[18]
1050.	*Brachionus angularis* subsp. *bidens* Plate, 1886	1.74	b-a	–	[3],[8],[18]
1051.	*Brachionus angularis* Gosse, 1851	2.50	a	–	[6],[17],[18]
1052.	*Brachionus bennini* Leissling, 1924	2.20	b	–	[17],[18]
1053.	*Brachionus bidentatus* Anderson, 1889	2.00	b	–	[17],[18]
1054.	*Brachionus bidentatus* subsp. *bidentatus* Anderson, 1889	2.00	b	–	[17],[18]
1055.	*Brachionus budapestinensis* Daday, 1885	2.00	b	–	[17],[18]
1056.	*Brachionus calyciflorus* subsp. *calyciflorus* Pallas, 1766	2.50	a	–	[3],[4],[8],[17],[18]
1057.	*Brachionus calyciflorus* Pallas, 1766	2.50	a	–	[3],[4],[8],[17],[18]
1058.	*Brachionus diversicornis* (Daday, 1883)	2.00	b	–	[3],[8],[17],[18]
1059.	*Brachionus diversicornis* subsp. *diversicornis* (Daday, 1883)	2.00	b	–	[3],[8],[17],[18]
1060.	*Brachionus falcatus* Zacharias, 1898	2.00	b	–	[17],[18]
1061.	*Brachionus forficula* Wierzejski, 1891	2.00	b	–	[17],[18]
1062.	*Brachionus leydigii* subsp. *rotundus* Rousselet, 1862	2.20	b	–	[17]
1063.	*Brachionus leydigii* Cohn, 1862	2.20	b	–	[3],[8],[17],[18]
1064.	*Brachionus nilsoni* Ahlstrom, 1940	3.00	a	–	[17]
1065.	*Brachionus plicatilis* (Müller, 1786)	2.00	b	–	[3],[8],[17]
1066.	*Brachionus plicatilis* subsp. *longicornis* Fadeev, 1925	2.00	b	–	[17]
1067.	*Brachionus plicatilis* subsp. *plicatilis* Müller, 1786	2.00	b	–	[3],[8],[17]
1068.	*Brachionus quadridentatus* Hermann, 1783	2.00	b	–	[3],[8],[17],[18]
1069.	*Brachionus quadridentatus* subsp. *ancylognathus* Schmarda, 1859	2.00	b	–	[17]
1070.	*Brachionus quadridentatus* subsp. *cluniorbicularis* Skorikov, 1894	1.83	–	–	[8]
1071.	*Brachionus quadridentatus* subsp. *melheni* Barrois et Daday, 1894	2.00	b	–	[3],[8],[17]
1072.	*Brachionus quadridentatus* subsp. *quadridentatus* Hermann, 1783	2.00	b	–	[3],[8],[17],[18]
1073.	*Brachionus quadridentatus* subsp. *rhenanus* Lauterborn, 1893	2.00	b	–	[17]
1074.	*Brachionus quadridentatus* subsp. *zernovi* Voronkov, 1907	2.00	b	–	[17]
1075.	*Brachionus rubens* Ehrenberg, 1838	3.25	a	–	[4],[17],[18]
1076.	*Brachionus sericus* Rousselet, 1907	1.00	o	–	[4],[18]
1077.	*Brachionus sessilis* Varga, 1951	1.30	b	–	[18]
1078.	*Brachionus urceolaris* subsp. *urceolaris* Müller, 1773	2.20	b	–	[17],[18]
1079.	*Brachionus urceus* (Linnaeus, 1758)	2.00	b	–	[3],[8]
1080.	*Brachionus variabilis* Hempel, 1896	2.00	b	–	[3],[8],[17]
1081.	*Bryceella stylata* (Milne, 1886)	1.00	o	–	[18]
1082.	*Bryceella tenella* (Bryce, 1897)	1.00	o	–	[18]
1083.	*Cephalodella apocolea* Myers, 1924	1.00	o	–	[18]
1084.	*Cephalodella auriculata* (Müller, 1773)	1.50	b	–	[17],[18]
1085.	*Cephalodella biungulata* Wulfert, 1937	1.50	o-b	–	[18]
1086.	*Cephalodella catellina* (Müller, 1786)	1.70	b-o	–	[17],[18]
1087.	*Cephalodella crassipes* (Lord, 1903)	1.50	b	–	[17]
1088.	*Cephalodella delicata* Wulfert, 1937	1.00	o	–	[17],[18]
1089.	*Cephalodella derbyi* (Dixon-Nuttall et Freeman, 1903)	1.00	o	–	[18]
1090.	*Cephalodella eva* (Gosse, 1887)	1.50	b	–	[17],[18]

1091.	*Cephalodella exigua* (Gosse, 1886)	1.50	b	–	[17],[18]
1092.	*Cephalodella fluviatilis* (Zawadowsky, 1926)	1.50	b	–	[17]
1093.	*Cephalodella forceps* Donner, 1949	2.00	b	–	[18]
1094.	*Cephalodella forficata* (Ehrenberg, 1832)	1.80	b	–	[17],[18]
1095.	*Cephalodella forficula* (Ehrenberg, 1831)	1.50	b	–	[17]
1096.	*Cephalodella gibba* (Ehrenberg, 1832)	2.10	b	–	[3],[8],[17],[18]
1097.	*Cephalodella gibboides* Wulfert, 1950	0.50	x-o	–	[18]
1098.	*Cephalodella globata* (Gosse, 1887)	2.00	b	–	[17],[18]
1099.	*Cephalodella glypha* Wulfert, 1950	1.50	o-b	–	[18]
1100.	*Cephalodella gracilis* (Ehrenberg, 1832)	1.80	b	–	[17],[18]
1101.	*Cephalodella gusuleaci* Rodewald, 1935	1.50	b	–	[17]
1102.	*Cephalodella hoodii* (Gosse, 1886)	2.00	o	–	[17],[18]
1103.	*Cephalodella hyalina* Myers, 1924	1.00	o	–	[18]
1104.	*Cephalodella incila* Wulfert, 1937	2.00	b	–	[18]
1105.	*Cephalodella intuta* Myers, 1924	1.00	o	–	[18]
1106.	*Cephalodella jakubskii* Wiszniewski, 1953	1.50	b	–	[17],[18]
1107.	*Cephalodella limosa* Wulfert, 1937	1.60	b-o	–	[18]
1108.	*Cephalodella megalochephala* (Glasscott, 1893)	1.90	b	–	[17],[18]
1109.	*Cephalodella misgurnus* Wulfert, 1937	2.00	b	–	[17],[18]
1110.	*Cephalodella nana* Myers, 1924	1.00	o	–	[17],[18]
1111.	*Cephalodella obvia* Donner, 1951	2.00	b	–	[18]
1112.	*Cephalodella pachydactyla* Wulfert, 1937	1.50	b	–	[17]
1113.	*Cephalodella panarista* Myers, 1924	1.50	b	–	[17]
1114.	*Cephalodella plicata* Myers, 1924	1.00	o	–	[18]
1115.	*Cephalodella reimanni* Donner, 1949	2.00	b	–	[18]
1116.	*Cephalodella rigida* Donner, 1949	1.50	o-b	–	[18]
1117.	*Cephalodella stenroosi* Wulfert, 1937	2.00	b	–	[17],[18]
1118.	*Cephalodella sterea* (Gosse, 1887)	2.00	b	–	[17],[18]
1119.	*Cephalodella tantilla* Myers, 1924	1.00	o	–	[18]
1120.	*Cephalodella tecta* Donner, 1950	2.00	b	–	[18]
1121.	*Cephalodella tenuior* (Gosse, 1886)	2.00	o	–	[17],[18]
1122.	*Cephalodella tenuiseta* subsp. *americana* Donner, 1949	2.00	b	–	[18]
1123.	*Cephalodella tinca* Wulfert, 1937	2.00	b	–	[18]
1124.	*Cephalodella trigona* (Rousselet, 1895)	1.00	o	–	[17]
1125.	*Cephalodella trigona* (Rousselet, 1895)	1.00	o	–	[18]
1126.	*Cephalodella ventripes* (Dixon-Nuttall, 1901)	1.50	o-b	–	[18]
1127.	*Cephalodella volvocicola* (Zavadovsky, 1916)	1.80	b	–	[18]
1128.	*Cephalodella tenuiseta* (Burn, 1890)	2.00	b	–	[17]
1129.	*Ceratotrocha cornigera* (Bryce, 1893)	1.00	O	–	[18]
1130.	*Collotheca ambigua* (Hudson, 1883)	1.50	o-b	–	[18]
1131.	*Collotheca atrochoides* (Wierzejski, 1893)	1.80	b	–	[17],[18]
1132.	*Collotheca balatonica* Varga, 1936	1.50	o	–	[18]
1133.	*Collotheca calva* (Hudson, 1885)	1.00	o	–	[18]
1134.	*Collotheca campanulata* (Dobie, 1849)	1.50	o-b	–	[18]
1135.	*Collotheca coronetta* (Cubitt, 1869)	1.00	o	–	[18]
1136.	*Collotheca edentata* (Collins, 1872)	1.00	o	–	[18]
1137.	*Collotheca heptabrachiata* (Schoch, 1869)	1.00	o	–	[18]
1138.	*Collotheca libera* (Zacharias, 1894)	1.00	o	–	[18]
1139.	*Collotheca mutabilis* (Hudson, 1885)	1.00	o	–	[17],[18]
1140.	*Collotheca ornata* (Ehrenberg, 1832)	2.30	b-a	–	[18]
1141.	*Collotheca pelagica* (Rousselet, 1893)	1.00	o	–	[17],[18]
1142.	*Collotheca trifidlobata* (Pittock, 1895)	1.00	o	–	[18]
1143.	*Collotheca undulata* Sládecek, 1969	1.50	o-b	–	[18]
1144.	*Colurella adriatica* Ehrenberg, 1931	1.80	b-o	–	[17],[18]

1145.	*Colurella colurus* (Ehrenberg, 1830)	1.30	o	–	[17],[18]
1146.	*Colurella colurus* subsp. *colurus* (Ehrenberg, 1830)	1.30	o	–	[17],[18]
1147.	*Colurella colurus* subsp. *compressa* (Lucks, 1830)	1.15	o	–	[17]
1148.	*Colurella dicentra* (Gosse, 1887)	2.50	b-a	–	[18]
1149.	*Colurella geophila* Donner, 1951	2.00	b	–	[18]
1150.	*Colurella hindenburgi* Steinecke, 1916	1.50	b	–	[17],[18]
1151.	*Colurella oblonga* Donner, 1943	1.50	o-b	–	[18]
1152.	*Colurella obtusa* subsp. *obtusa* (Gosse, 1886)	1.65	o	–	[3],[8],[17],[18]
1153.	*Colurella paludosa* Carlin, 1939	1.50	o-b	–	[18]
1154.	*Colurella tesselata* (Glascott, 1893)	1.10	o	–	[18]
1155.	*Colurella uncinata* (Müller, 1773)	1.30	o	–	[17],[18]
1156.	*Colurella uncinata* subsp. *bicuspidata* (Ehrenberg, 1832)	1.70	b	–	[17],[18]
1157.	*Colurella uncinata* subsp. *deflexa* (Ehrenberg, 1773)	1.70	b	–	[17],[18]
1158.	*Colurella uncinata* subsp. *uncinata* (Müller, 1773)	1.30	o	–	[17],[18]
1159.	*Conochilus coenobasis* (Skorikov, 1914)	1.30	o	–	[17]
1160.	*Conochilus deltaicus* (Rodewald-Rudescu, 1960)	1.30	o	–	[17]
1161.	*Conochilus dossuarius* Hudson, 1885	1.30	o	–	[17],[18]
1162.	*Conochilus hippocrepis* (Schrank, 1803)	1.15	o	–	[17],[18]
1163.	*Conochilus natans* (Seligo, 1900)	1.30	o	–	[17],[18]
1164.	*Conochilus unicornis* Rousselet, 1892	1.30	o	–	[6],[17],[18]
1165.	*Cupelopagis vorax* (Leidy, 1857)	1.40	o-b	–	[18]
1166.	*Cyrtonia tuba* (Ehrenberg, 1834)	1.50	o-b	–	[18]
1167.	*Dicranophorus artamus* Harring et Myers, 1928	2.00	b	–	[17]
1168.	*Dicranophorus caudatus* (Ehrenberg, 1834)	2.30	b	–	[17],[18]
1169.	*Dicranophorus epicharis* Harring et Myers, 1928	1.50	b	–	[17]
1170.	*Dicranophorus forcipatus* (Müller, 1786)	1.50	b	–	[17],[18]
1171.	*Dicranophorus grandis* (Ehrenberg, 1832)	1.50	b	–	[17],[18]
1172.	*Dicranophorus hauerianus* subsp. *brachygnatus* Wiszniewski, 1939	1.50	b	–	[17],[18]
1173.	*Dicranophorus hauerianus* Wiszniewski, 1939	1.50	b	–	[17],[18]
1174.	*Dicranophorus hercules* Wiszniewski, 1932	1.20	o	–	[18]
1175.	*Dicranophorus luetkeni* (Bergendal, 1892)	1.10	o	–	[18]
1176.	*Dicranophorus prionacis* Harring et Myers, 1928	2.00	b	–	[17]
1177.	*Dicranophorus proclestes* Harring et Myers, 1928	1.50	b	–	[17]
1178.	*Dicranophorus rosa* (Gosse, 1887)	1.50	b	–	[17]
1179.	*Dicranophorus rostratus* (Dixon-Nuttall et Freeman, 1902)	1.10	o	–	[18]
1180.	*Dicranophorus siedleckii* Wiszniewski, 1953	1.00	o	–	[18]
1181.	*Dicranophorus sigmoides* Wulfert, 1950	1.00	o	–	[18]
1182.	*Dicranophorus uncinatus* (Milne, 1886)	1.00	o	–	[18]
1183.	*Dipleuchlanis propatula* (Gosse, 1886)	2.00	b	–	[17],[18]
1184.	*Diplois daviesiae* Gosse, 1886	2.70	a	–	[17],[18]
1185.	*Dissotrocha aculeata* subsp. *aculeata* (Ehrenberg, 1832)	1.60	b	–	[17],[18]
1186.	*Dissotrocha aculeata* subsp. *crystallina* (Murray, 1832)	1.10	o	–	[18]
1187.	*Dissotrocha macrostyla* subsp. *macrostyla* (Ehrenberg, 1838)	1.20	o	–	[17],[18]
1188.	*Dissotrocha macrostyla* subsp. *tuberculata* (Gosse, 1838)	0.50	x-o	–	[18]
1189.	*Dorystoma caudata* (Bilfinger, 1894)	1.00	o	–	[18]
1190.	*Drilophaga judayi* Harring et Myers, 1922	1.00	o	–	[18]
1191.	*Elosa worrallii* Lord, 1891	1.50	b	–	[17],[18]
1192.	*Embata commensalis* (Western, 1893)	2.40	b-a	–	[18]
1193.	*Embata laticeps* (Murray, 1905)	1.00	o	–	[18]
1194.	*Embata parasitica* (Giglioli, 1863)	1.00	o	–	[18]
1195.	*Encentrum armatum* Donner, 1943	2.00	b	–	[18]
1196.	*Encentrum arvicola* Wulfert, 1936	1.30	o	–	[18]
1197.	*Encentrum asellicola* Bartoš, 1959	2.80	a	–	[17],[18]
1198.	*Encentrum belluinum* Harring et Myers, 1928	1.50	b	–	[17]
1199.	*Encentrum diglandula* (Zavadovsky, 1926)	1.50	o-b	–	[18]

1200.	*Encentrum fluviatile* Wulfert, 1939	1.50	b	–	[17]
1201.	*Encentrum gulo* Wulfert, 1936	1.50	b	–	[17]
1202.	*Encentrum kulmatyckii* Wiszniewski, 1953	2.50	b-a	–	[18]
1203.	*Encentrum longidens* Donner, 1943	1.50	o-b	–	[18]
1204.	*Encentrum lupus* Wulfert, 1936	2.40	a-b	–	[18]
1205.	*Encentrum lutra* Wulfert, 1936	1.10	o	–	[18]
1206.	*Encentrum mariae* Koniar, 1957	1.00	o	–	[18]
1207.	*Encentrum marinum* (Dujardin, 1841)	2.00	b	–	[18]
1208.	*Encentrum martes* Wulfert, 1939	1.50	o-b	–	[18]
1209.	*Encentrum martoides* Fott, 1960	1.50	b	–	[17],[18]
1210.	*Encentrum minax* Donner, 1943	1.50	o-b	–	[18]
1211.	*Encentrum moldavicum* Sládecek, 1961	1.90	b	–	[18]
1212.	*Encentrum mucronatum* Wulfert, 1936	0.80	o	–	[18]
1213.	*Encentrum mustela* (Milne, 1885)	1.90	b	–	[18]
1214.	*Encentrum parvum* Donner, 1952	2.00	b	–	[18]
1215.	*Encentrum putorius* Wulfert, 1936	2.00	b	–	[18]
1216.	*Encentrum rapax* Donner, 1943	1.50	o-b	–	[18]
1217.	*Encentrum saundersiae* (Hudson, 1885)	2.50	b-a	–	[18]
1218.	*Encentrum semiplicatum* Wulfert, 1936	1.60	o-b	–	[18]
1219.	*Encentrum sorex* Wulfert, 1950	1.50	o-b	–	[18]
1220.	*Encentrum sutor* Wiszniewski, 1936	1.00	o	–	[18]
1221.	*Encentrum sutoroides* Wulfert, 1940	1.10	o	–	[18]
1222.	*Encentrum uncinatum* (Milne, 1886)	0.40	x-o	–	[18]
1223.	*Enteroplea lacustris* Ehrenberg, 1830	1.30	o	–	[18]
1224.	*Eosphora ehrenbergi* Weber, 1918	1.50	b	–	[17],[18]
1225.	*Eosphora najas* Ehrenberg, 1830	1.70	b	–	[17],[18]
1226.	*Eothinia elongata* (Ehrenberg, 1832)	1.00	o	–	[18]
1227.	*Epiphanes brachionus* (Ehrenberg, 1837)	1.50	b	–	[17],[18]
1228.	*Epiphanes brachionus* subsp. *spinosa* (Rousselet, 1837)	2.00	b	–	[17],[18]
1229.	*Epiphanes clavulata* (Ehrenberg, 1832)	1.50	b	–	[17],[18]
1230.	*Epiphanes macroura* (Barrois et Daday, 1894)	1.50	b	–	[17]
1231.	*Epiphanes senta* (Müller, 1773)	3.50	a	–	[17],[18]
1232.	*Erignatha clastopis* (Gosse, 1886)	1.40	o-b	–	[18]
1233.	*Euchlanis alata* Voronkov, 1912	1.50	b	–	[18]
1234.	*Euchlanis arenosa* Myers, 1936	1.50	b	–	[17]
1235.	*Euchlanis calpidia* (Myers, 1930)	1.50	b	–	[17]
1236.	*Euchlanis contorta* (Wulfert, 1939)	1.00	o	–	[17]
1237.	*Euchlanis deflexa* Gosse	1.65	b	–	[3],[8],[17],[18]
1238.	*Euchlanis dilatata* Ehrenberg, 1832	1.90	b	–	[3],[8],[17],[18]
1239.	*Euchlanis dilatata* subsp. *dilatata* Ehrenberg,1832	1.90	b	–	[3],[8],[17],[18]
1240.	*Euchlanis dilatata* subsp. *lucksiana* Hauer, 1832	1.50	b	–	[17],[18]
1241.	*Euchlanis dilatata* subsp. *macrura* Ehremberg,1832	1.50	b	–	[17]
1242.	*Euchlanis dilatata* subsp. *unisetata* Leydig, 1854	1.50	b	–	[17]
1243.	*Euchlanis incisa* Carlin, 1939	1.50	b	–	[6],[17],[18]
1244.	*Euchlanis lyra* Hudson, 1886	1.50	b	–	[3],[8],[17]
1245.	*Euchlanis lyra* subsp. *larga* Kutikova, 1959	1.50	-	–	[3],[8]
1246.	*Euchlanis meneta* Myers, 1930	1.00	o	–	[17],[18]
1247.	*Euchlanis oropha* Gosse, 1887	1.90	b	–	[18]
1248.	*Euchlanis parva* Rousselet, 1892	1.90	b	–	[17],[18]
1249.	*Euchlanis phryne* Myers, 1930	1.50	b	–	[17]
1250.	*Euchlanis pyriformis* Gosse, 1851	1.50	b	–	[17],[18]
1251.	*Euchlanis triquetra* Ehrenberg, 1838	1.50	o	–	[17],[18]
1252.	*Filinia brachiata* (Rousselet, 1901)	1.00	o	–	[17],[18]
1253.	*Filinia cornuta* (Weisse, 1848)	1.00	o	–	[17],[18]

1254.	*Filinia longiseta* (Ehrenberg, 1834)	2.50	a	–	[3],[4],[8],[17],[18]
1255.	*Filinia maior* Carlin, 1943	2.00	b	–	[3],[8],[18]
1256.	*Filinia minuta* (Smirnov, 1928)	1.50	b	–	[17]
1257.	*Filinia opoliensis* (Zacharias, 1898)	1.60	b	–	[17],[18]
1258.	*Filinia passa* (Müller, 1786)	1.80	b	–	[17],[18]
1259.	*Filinia terminalis* (Plate, 1886)	2.00	b	–	[3],[6],[8],[17],[18]
1260.	*Floscularia conifera* (Hudson, 1886)	1.00	o	–	[18]
1261.	*Floscularia janus* (Hudson, 1881)	1.10	o	–	[18]
1262.	*Floscularia melicerta* (Ehrenberg, 1832)	1.90	b	–	[17],[18]
1263.	*Floscularia ringens* (Linnaeus, 1758)	1.90	b	–	[17],[18]
1264.	*Gastropus stylifer* Imhof, 1891	1.00	o	–	[17],[18]
1265.	*Habrotrocha angusticollis* subsp. *angusticollis* (Murray, 1905)	1.20	o	–	[17],[18]
1266.	*Habrotrocha angusticollis* subsp. *attenuata* (Murray, 1905)	1.20	o	–	[18]
1267.	*Habrotrocha annulata* (Murray, 1905)	1.00	o	–	[18]
1268.	*Habrotrocha bidens* (Gosse, 1851)	2.10	b	–	[17],[18]
1269.	*Habrotrocha collaris* (Ehrenberg,1832)	1.90	b	–	[17],[18]
1270.	*Habrotrocha constricta* (Dujardin, 1841)	1.90	b	–	[17],[18]
1271.	*Habrotrocha crenata* subsp. *sphagnicola* Pawlowski, 1905	1.00	o	–	[18]
1272.	*Habrotrocha elegans* (Milne, 1886)	1.00	o	–	[18]
1273.	*Habrotrocha flava* Bryce, 1915	2.00	b	–	[18]
1274.	*Habrotrocha gracilis* Montet, 1915	1.50	o-b	–	[18]
1275.	*Habrotrocha lata* (Bryce, 1892)	1.20	o	–	[17],[18]
1276.	*Habrotrocha longula* Bryce, 1915	1.00	o	–	[18]
1277.	*Habrotrocha microcephala* (Murray, 1906)	1.50	o-b	–	[18]
1278.	*Habrotrocha munda* Bryce, 1913	1.50	o-b	–	[18]
1279.	*Habrotrocha pulchra* (Murray, 1905)	1.50	o-b	–	[18]
1280.	*Habrotrocha reclusa* (Milne, 1889)	1.00	o	–	[18]
1281.	*Habrotrocha roeperi* (Milne, 1889)	1.00	o	–	[18]
1282.	*Habrotrocha rosa* Donner, 1949	2.10	b	–	[18]
1283.	*Habrotrocha sylvestris* Bryce, 1915	1.00	o	–	[18]
1284.	*Habrotrocha thermalis* Pax et Wulfert, 1942	0.00	X	–	[18]
1285.	*Habrotrocha thienemanni* Hauer, 1924	1.80	b	–	[18]
1286.	*Habrotrocha tridens* subsp. *globigera* Donner, 1886	1.50	o-b	–	[18]
1287.	*Habrotrocha tridens* subsp. *tridens* (Milne, 1886)	1.20	o	–	[18]
1288.	*Habrotrocha tripus* (Murray, 1907)	1.90	b	–	[18]
1289.	*Hexarthra fennica* (Levander, 1892)	1.70	b	–	[17],[18]
1290.	*Hexarthra intermedia* (Wiszniewski, 1929)	1.20	o	–	[17],[18]
1291.	*Hexarthra mira* (Hudson, 1871)	2.00	b	–	[3],[8],[17],[18]
1292.	*Hexarthra mollis* (Bartoš, 1947)	1.50	o-b	–	[18]
1293.	*Hexarthra oxyuris* (Zernov, 1903)	1.00	o	–	[17],[18]
1294.	*Hexarthra propinqua* (Bartoš, 1947)	1.50	o-b	–	[18]
1295.	*Hexarthra reducens* (Bartoš, 1947)	1.50	o-b	–	[18]
1296.	*Itura aurita* (Ehrenberg, 1830)	1.50	b	–	[17],[18]
1297.	*Itura myersi* Wulfert, 1935	2.00	b	–	[18]
1298.	*Kellicottia longispina* (Kellicott, 1879)	1.25	o	–	[17],[18]
1299.	*Keratella cochlearis* (Gosse, 1851)	1.70	b	–	[3],[4],[6],[8],[17],[18]
1300.	*Keratella cochlearis* subsp. *cochlearis* (Gosse, 1851)	1.70	b	–	[3],[4],[6],[8],[17],[18]
1301.	*Keratella cochlearis* subsp. *hispida* (Lauterborn, 1898)	1.15	o	–	[17],[18]
1302.	*Keratella cochlearis* subsp. *robusta* (Lauterborn, 1900)	1.10	o	–	[18]
1303.	*Keratella hiemalis* Carlin, 1943	1.92	o	–	[3],[8],[17],[18]
1304.	*Keratella irregularis* (Lauterborn, 1898)	1.15	o	–	[17],[18]
1305.	*Keratella paludosa* (Lucks, 1912)	1.00	o	–	[17],[18]
1306.	*Keratella quadrata* subsp. *dispersa* Carlin, 1943	1.50	b	–	[17]
1307.	*Keratella quadrata* subsp. *quadrata* (Müller, 1786)	1.65	b-o	–	[3],[8],[17],[18]
1308.	*Keratella quadrata* (Müller, 1786)	1.65	b-o	–	[3],[8],[17],[18]

1309.	*Keratella quadrata* var. *longispina* (Thiébaud, 1912)	1.77	–	–	[3],[8]
1310.	*Keratella serrulata* (Ehrenberg,1838)	1.15	o	–	[17],[18]
1311.	*Keratella serrulata* subsp. *serrulata* (Ehrenberg,1838)	1.15	o	–	[17],[18]
1312.	*Keratella tecta* (Gosse, 1851)	1.50	–	–	[3],[8]
1313.	*Keratella testudo* (Ehrenberg,1832)	1.15	o	–	[17],[18]
1314.	*Keratella ticinensis* (Callerio, 1920)	1.50	b	–	[17],[18]
1315.	*Keratella tropica* (Apstein, 1907)	1.80	b	–	[17]
1316.	*Keratella tropica* subsp. *aspina* Kutikova, 1970	1.50	b	–	[17]
1317.	*Keratella valga* (Ehrenberg, 1834)	1.40	o	–	[17],[18]
1318.	*Keratella valga* f. *heterospina* Klausener, 1908	1.40	o	–	[17]
1319.	*Keratella valga* subsp. *tropica* (Apstein, 1907)	1.80	b	–	[18]
1320.	*Lacinularia flosculosa* (Müller, 1777)	2.00	b	–	[17],[18]
1321.	*Lecane aculeata* (Jakubski, 1912)	1.50	b	–	[17]
1322.	*Lecane acus* (Harring, 1913)	1.00	o	–	[18]
1323.	*Lecane affinis* (Levander, 1894)	1.00	o	–	[18]
1324.	*Lecane agilis* (Bryce, 1892)	1.00	o	–	[18]
1325.	*Lecane arcuata* (Bryce, 1891)	1.80	o-b	–	[17],[18]
1326.	*Lecane arcula* Harring, 1914	1.50	b	–	[17],[18]
1327.	*Lecane bifurca* (Bryce, 1892)	1.00	o	–	[18]
1328.	*Lecane bryophila* Koniar, 1957	1.00	o	–	[18]
1329.	*Lecane bulla* subsp. *bulla* (Gosse, 1851)	1.90	b	–	[17],[18]
1330.	*Lecane bulla* subsp. *diabolica* (Hauer, 1851)	2.50	a	–	[17]
1331.	*Lecane clara* (Bryce, 1892)	1.80	o-b	–	[18]
1332.	*Lecane closterocerca* (Schmarda, 1859)	2.10	b	–	[17],[18]
1333.	*Lecane copeis* (Harring et Myers, 1926)	1.00	o	–	[17]
1334.	*Lecane cornuta* (Müller, 1786)	1.80	b	–	[17],[18]
1335.	*Lecane crepida* Harring, 1914	1.50	b	–	[17]
1336.	*Lecane curvicornis* (Murray, 1913)	1.50	b	–	[17]
1337.	*Lecane decipiens* (Murray, 1913)	2.00	b	–	[18]
1338.	*Lecane depressa* (Bryce, 1891)	1.00	o	–	[18]
1339.	*Lecane elasma* Harring et Myers, 1926	1.50	b	–	[17],[18]
1340.	*Lecane elongata* Harring et Myers, 1926	0.10	o	–	[18]
1341.	*Lecane elsa* Hauer, 1931	1.50	b	–	[17],[18]
1342.	*Lecane flexilis* (Gosse, 1889)	1.10	o	–	[17],[18]
1343.	*Lecane furcata* (Murray, 1913)	1.50	b	–	[17],[18]
1344.	*Lecane galeata* (Bryce, 1892)	1.90	b	–	[17],[18]
1345.	*Lecane gissensis* Eckstein, 1883	1.00	o	–	[17],[18]
1346.	*Lecane goniata* (Harring et Myers, 1926)	1.00	o	–	[17]
1347.	*Lecane hamata* (Stokes, 1896)	1.40	o	–	[17],[18]
1348.	*Lecane hastata* (Murray, 1913)	1.50	b	–	[17]
1349.	*Lecane hornemanni* (Ehrenberg, 1834)	1.50	b	–	[17],[18]
1350.	*Lecane hospes* Donner, 1951	1.00	o	–	[18]
1351.	*Lecane inermis* (Bryce, 1892)	1.90	b	–	[18]
1352.	*Lecane intrasinuata* (Olofsson, 1917)	1.00	o	–	[18]
1353.	*Lecane jessupi* Harring, 1921	1.00	o	–	[18]
1354.	*Lecane lamellata* (Daday, 1893)	1.50	b	–	[17]
1355.	*Lecane lauterborni* Hauer, 1924	1.00	o	–	[18]
1356.	*Lecane ligona* (Dunlop, 1901)	1.00	o	–	[18]
1357.	*Lecane ludwigii* (Eckstein, 1882)	1.50	b	–	[17],[18]
1358.	*Lecane luna* (Müller, 1776)	1.50	b	–	[3],[8],[17],[18]
1359.	*Lecane lunaris* (Ehrenberg, 1832)	2.00	b	–	[17],[18]
1360.	*Lecane mira* (Murray, 1913)	1.50	b	–	[17],[18]
1361.	*Lecane nana* (Murray, 1913)	1.00	o	–	[18]
1362.	*Lecane obtusa* (Myrray, 1913)	1.50	b	–	[17]

1363.	*Lecane ohioensis* (Herrick, 1885)	1.50	b	–	[17]
1364.	*Lecane papuana* (Murray, 1913)	1.50	b	–	[17]
1365.	*Lecane paxiana* Hauer, 1940	1.00	o	–	[18]
1366.	*Lecane pideis* (Harring et Myers, 1926)	2.10	b	–	[18]
1367.	*Lecane plesia* Myers, 1936	1.50	b	–	[17]
1368.	*Lecane pumila* (Rousselet, 1906)	1.00	o	–	[18]
1369.	*Lecane punctata* (Murray, 1913)	1.50	b	–	[17]
1370.	*Lecane pyriformis* (Daday, 1905)	2.00	b	–	[17],[18]
1371.	*Lecane quadridentata* (Ehrenberg, 1832)	1.50	b	–	[17],[18]
1372.	*Lecane rugosa* (Harring, 1914)	1.50	b	–	[17]
1373.	*Lecane scutata* (Harring et Myers, 1926)	1.00	o	–	[18]
1374.	*Lecane signifera* subsp. *ploenensis* (Voigt, 1896)	1.10	o	–	[18]
1375.	*Lecane stenroosi* (Meissner, 1908)	1.50	b	–	[17],[18]
1376.	*Lecane stichaea* Harring, 1913	1.70	b-o	–	[18]
1377.	*Lecane subtilis* Harring et Myers, 1926	1.00	o	–	[18]
1378.	*Lecane subulata* (Harring et Myers, 1926)	1.00	o	–	[17],[18]
1379.	*Lecane sulcata* (Gosse, 1886)	1.00	o	–	[18]
1380.	*Lecane tenuiseta* Harring, 1914	1.90	b	–	[17],[18]
1381.	*Lecane tryphema* Harring et Myers, 1926	1.00	o	–	[18]
1382.	*Lecane undulata* Hauer, 1938	1.50	b	–	[17],[18]
1383.	*Lecane ungulata* (Gosse, 1887)	1.50	b	–	[3],[8],[17],[18]
1384.	*Lecane verecunda* Harring et Myers, 1926	1.50	b	–	[17]
1385.	*Lepadella acuminata* (Ehrenberg, 1834)	1.50	o-b	–	[18]
1386.	*Lepadella adjuncta* Donner, 1943	2.00	b	–	[18]
1387.	*Lepadella amphitropis* Harring, 1916	1.50	b	–	[17]
1388.	*Lepadella astacicola* Hauer, 1926	1.50	b	–	[17]
1389.	*Lepadella borealis* Harring, 1916	1.50	b	–	[17],[18]
1390.	*Lepadella branchicola* Hauer, 1926	1.50	b	–	[17],[18]
1391.	*Lepadella costata* Wulfert, 1940	1.00	o	–	[17],[18]
1392.	*Lepadella cristata* (Rousselet, 1893)	1.50	o-b	–	[18]
1393.	*Lepadella dactyliseta* (Stenroos, 1898)	1.50	o-b	–	[18]
1394.	*Lepadella ehrenbergii* (Perty, 1850)	1.50	o-b	–	[18]
1395.	*Lepadella elliptica* Wulfert, 1939	1.00	o	–	[18]
1396.	*Lepadella glossa* Wulfert, 1960	1.50	b	–	[17]
1397.	*Lepadella haueri* Rodewald, 1935	1.50	b	–	[17]
1398.	*Lepadella heterodactyla* Fadeev, 1925	1.00	o	–	[17]
1399.	*Lepadella koniari* Bartoš, 1955	1.00	o	–	[18]
1400.	*Lepadella lata* subsp. *ovata* Bochko, 1980	1.50	b	–	[17]
1401.	*Lepadella lata* subsp. *sinuata* Wiszniewski, 1939	1.50	b	–	[17]
1402.	*Lepadella lata* Wiszniewski, 1939	1.50	b	–	[17]
1403.	*Lepadella minuta* (Weber et Montet, 1918)	1.50	o-b	–	[18]
1404.	*Lepadella nana* Bochko, 1980	1.50	b	–	[17]
1405.	*Lepadella nympha* Donner, 1943	1.50	o-b	–	[18]
1406.	*Lepadella obtusa* Wang, 1961	1.67	-	–	[3],[8]
1407.	*Lepadella ovalis* (Müller 1786)	1.70	b	–	[3],[8],[17],[18]
1408.	*Lepadella parasitica* Hauer, 1926	1.00	o	–	[18]
1409.	*Lepadella parvula* (Bryce, 1893)	1.50	o-b	–	[18]
1410.	*Lepadella patella* (Müller, 1773)	1.50	b	–	[17],[18]
1411.	*Lepadella patella* subsp. *oblonga* (Ehrenberg, 1773)	2.20	b-a	–	[17],[18]
1412.	*Lepadella patella* subsp. *patella* (Müller, 1773)	1.50	b	–	[17],[18]
1413.	*Lepadella patella* subsp. *persimilis* De Ridder, 1773	1.50	b	–	[17],[18]
1414.	*Lepadella prolongata* Naberejni, 1984	1.50	b	–	[17]
1415.	*Lepadella quadricarinata* (Stenroos, 1898)	1.50	b	–	[17],[18]
1416.	*Lepadella quinquecostata* (Lucks, 1912)	1.50	b	–	[17],[18]
1417.	*Lepadella rhomboides* (Gosse, 1886)	1.20	o	–	[17],[18]

1418.	*Lepadella rhomboides* subsp. *rhomboides* (Gosse, 1886)	1.20	o	–	[17],[18]
1419.	*Lepadella rottenburgi* (Lucks, 1912)	1.00	o	–	[18]
1420.	*Lepadella triptera* Ehrenberg, 1830	1.30	o	–	[17],[18]
1421.	*Limnias ceratophylli* Schrank, 1803	1.50	b	–	[17],[18]
1422.	*Limnias ceratophylli* subsp. *ceratophylli* Schrank, 1803	1.50	b	–	[17],[18]
1423.	*Limnias melicerta* subsp. *melicerta* Weisse, 1848	1.00	o	–	[17],[18]
1424.	*Limnias melicerta* Weisse, 1848	1.00	o	–	[17],[18]
1425.	*Lindia janickii* Wiszniewski, 1934	1.50	b	–	[17]
1426.	Lindia torulosa Dujardin, 1841	1.00	o	–	[17],[18]
1427.	*Lindia truncata* (Jennings, 1894)	1.50	b	–	[17]
1428.	*Lophocharis naias* Wulfert, 1942	1.50	o-b	–	[18]
1429.	*Lophocharis oxysternon* (Gosse, 1851)	1.71	o	–	[3],[8],[17],[18]
1430.	*Lophocharis rubens* Wulfert, 1939	1.50	o-b	–	[18]
1431.	*Lophocharis salpina* (Ehrenberg, 1834)	1.50	b	–	[17],[18]
1432.	*Macrochaetus subquadratus* Perty, 1850	0.10	o	–	[18]
1433.	*Macrotrachela concinna* (Bryce, 1912)	1.40	o-b	–	[18]
1434.	*Macrotrachela ehrenbergi* (Janson, 1893)	1.00	o	–	[17]
1435.	*Macrotrachela habita* (Bryce, 1894)	1.00	o	–	[18]
1436.	*Macrotrachela multispinosa* subsp. *brevispinosa* (Murray, 1892)	1.00	o	–	[17]
1437.	*Macrotrachela multispinosa* subsp. *multispinosa* Thompson, 1892	1.00	o	–	[17],[18]
1438.	*Macrotrachela musculosa* Milne, 1886	1.00	o	–	[18]
1439.	*Macrotrachela quadricornifera* Milne, 1886	0.90	o	–	[18]
1440.	*Microcodides robustus* (Glascott, 1892)	1.20	o	–	[18]
1441.	*Microcodon clavus* Ehrenberg, 1830	0.50	x-o	–	[17],[18]
1442.	*Mikrocodides chlaena* (Gosse, 1886)	1.50	b	–	[17],[18]
1443.	*Mniobia armata* (Murray, 1905)	1.20	o	–	[18]
1444.	*Mniobia frankenbergeri* Bartoš, 1944	1.00	o	–	[18]
1445.	*Monommata actices* Myers, 1930	1.00	o	–	[18]
1446.	*Monommata aequalis* (Ehrenberg, 1832)	1.50	b	–	[17],[18]
1447.	*Monommata astia* Myers, 1930	1.00	o	–	[18]
1448.	*Monommata dentata* Wulfert, 1940	1.00	o	–	[18]
1449.	*Monommata dissimilis* Berzinš, 1949	1.00	o	–	[18]
1450.	*Monommata grandis* Tessin, 1890	1.50	b	–	[17],[18]
1451.	*Monommata longiseta* (Müller, 1786)	1.50	b	–	[17],[18]
1452.	*Monommata phoxa* Myers, 1930	1.00	o	–	[18]
1453.	*Myersinella tetraglena* (Wiszniewski, 1934)	1.00	o	–	[18]
1454.	*Mytilina bicarinata* (Perty, 1850)	1.60	b	–	[17],[18]
1455.	*Mytilina bicarinata* (Perty, 1850)	1.00	o	–	[18]
1456.	*Mytilina bisulcata* (Lucks, 1912)	1.30	b-o	–	[18]
1457.	*Mytilina compressa* (Gosse, 1851)	2.50	b-a	–	[18]
1458.	*Mytilina crassipes* (Lucks, 1912)	1.50	o-b	–	[18]
1459.	*Mytilina mucronata* subsp. *mucronata* (Müller, 1773)	1.80	b	–	[3],[8],[17],[18]
1460.	*Mytilina mucronata* subsp. *spinigera* (Ehrenberg, 1773)	1.90	b	–	[3],[8],[17],[18]
1461.	*Mytilina mucronata* (Müller, 1773)	1.80	b	–	[3],[8],[17],[18]
1462.	*Mytilina mutica* (Perty, 1850)	1.50	b	–	[17],[18]
1463.	*Mytilina trigona* (Gosse, 1851)	2.30	a-b	–	[18]
1464.	*Mytilina ventralis* (Ehrenberg, 1832)	1.81	o	–	[3],[8],[17],[18]
1465.	*Mytilina ventralis* subsp. *brevispina* (Ehrenberg, 1832)	1.50	b	–	[17],[18]
1466.	*Mytilina ventralis* subsp. *macracantha* (GOSSE)	1.80	b	–	[18]
1467.	*Mytilina ventralis* subsp. *reduncа* (Ehrenberg, 1832)	1.00	o	–	[17]
1468.	*Mytilina ventralis* subsp. *ventralis* (Ehrenberg, 1832)	1.81	b	–	[3],[8],[17],[18]
1469.	*Mytilina videns* (Levander, 1894)	1.50	b	–	[3],[8],[17]
1470.	*Notholca acuminata* (Ehrenberg, 1832)	1.42	o	–	[3],[8],[17],[18]
1471.	*Notholca acuminata* subsp. *acuminata* (Ehrenberg,1832)	1.42	o	–	[3],[8],[17],[18]

1472.	*Notholca acuminata* subsp. *extensa* Olofsson, 1918	1.20	o	–	[17]
1473.	*Notholca foliacea* (Ehrenberg, 1832)	1.20	o	–	[17],[18]
1474.	*Notholca labis* subsp. *labis* Gosse, 1887	1.30	o	–	[17],[18]
1475.	*Notholca lyrata* Tikhomirov, 1927	1.00	o	–	[17]
1476.	*Notholca squamula* (Müller, 1786)	1.50	b	–	[17],[18]
1477.	*Notholca squamula* subsp. *limnetica* Naberezhnyj, 1984	1.50	b	–	[17]
1478.	*Notommata allantois* Wulfert, 1935	1.00	o	–	[18]
1479.	*Notommata aurita* (Müller, 1786)	2.20	b-a	–	[17],[18]
1480.	*Notommata brachyota* Ehrenberg, 1832	1.50	o-b	–	[18]
1481.	*Notommata cerberus* (Gosse, 1886)	1.00	o	–	[18]
1482.	*Notommata collaris* (Ehrenberg, 1832)	1.50	b	–	[17]
1483.	*Notommata copeus* Ehrenberg, 1834	1.20	o	–	[17],[18]
1484.	*Notommata cyrtopus* Gosse, 1886	2.00	b	–	[18]
1485.	*Notommata diasema* Myers, 1936	1.00	o	–	[17],[18]
1486.	*Notommata doneta* Harring et Myers, 1922	1.50	b	–	[17]
1487.	*Notommata falcinella* Harring et Myers, 1922	1.50	o-b	–	[18]
1488.	*Notommata glyphura* Wulfert, 1935	1.40	o	–	[18]
1489.	*Notommata groenlandica* Bergendal, 1892	1.00	o	–	[17],[18]
1490.	*Notommata lucens* Glascott, 1893	1.50	o-b	–	[18]
1491.	*Notommata pachyura* (Gosse, 1886)	1.50	b	–	[17],[18]
1492.	*Notommata paracyrtopus* Beauchamp, 1932	1.80	b	–	[17]
1493.	*Notommata pseudocerberus* de Beauchamp, 1908	1.00	o	–	[18]
1494.	*Notommata saccigera* Ehrenberg, 1830	1.00	o	–	[18]
1495.	*Notommata silpha* Gosse, 1886	1.50	b	–	[17]
1496.	*Notommata tripus* Ehrenberg, 1838	1.00	o	–	[18]
1497.	*Notommata voigti* Donner, 1949	1.00	o	–	[18]
1498.	*Otostephanos annulatus* Koniar, 1955	0.40	x-o	–	[18]
1499.	*Otostephanos auriculatus* subsp. *bilobatus* Hauer, 1911	1.50	o-b	–	[18]
1500.	*Otostephanos donneri* Bartoš, 1959	2.00	b	–	[18]
1501.	*Otostephanos monteti* Milne, 1916	2.00	b	–	[18]
1502.	*Paradicranophorus aculeatus* (Neisvestnova-Shadina, 1935)	1.50	b	–	[17]
1503.	*Paradicranophorus hudsoni* (Glascott, 1893)	2.00	b	–	[17],[18]
1504.	*Parencentrum lutetiae* (Harring et Myers, 1928)	1.00	o	–	[18]
1505.	*Parencentrum plicatum* (Eyferth, 1878)	1.00	o	–	[18]
1506.	*Philodina acuticornis* subsp. *acuticornis* Murray, 1902	0.40	x-o	–	[18]
1507.	*Philodina acuticornis* subsp. *minor* Pax et Wulfert, 1902	0.00	x	–	[18]
1508.	*Philodina acuticornis* subsp. *odiosa* Milne, 1902	2.00	b	–	[18]
1509.	*Philodina brevipes* Murray, 1902	1.50	b	–	[17],[18]
1510.	*Philodina citrina* Ehrenberg, 1832	1.30	b	–	[17],[18]
1511.	*Philodina convergens* Murray, 1908	1.00	o	–	[18]
1512.	*Philodina erytrophtalma* Ehrenberg, 1830	2.30	b	–	[17],[18]
1513.	*Philodina flaviceps* Bryce, 1906	1.70	o-b	–	[17],[18]
1514.	*Philodina lepta* Wulfert, 1950	0.10	x	–	[18]
1515.	*Philodina megalotrocha* Ehrenberg, 1832	1.70	b	–	[17],[18]
1516.	*Philodina nitida* Milne, 1916	1.80	b	–	[18]
1517.	*Philodina plena* (Bryce, 1894)	2.90	a	–	[18]
1518.	*Philodina roseola* Ehrenberg, 1832	2.00	b	–	[17],[18]
1519.	*Philodina rugosa* subsp. *coriacea* Bryce, 1903	1.10	o	–	[18]
1520.	*Philodina rugosa* subsp. *rugosa* Bryce, 1903	1.00	o	–	[18]
1521.	*Philodina striata* Rodewald, 1937	1.10	o	–	[18]
1522.	*Philodina tranquilla* Wulfert, 1942	0.20	x	–	[18]
1523.	*Philodina tridentata* Rodewald, 1935	1.20	o	–	[18]
1524.	*Philodinavus paradoxus* (Murray, 1905)	0.30	x-o	–	[18]
1525.	*Plationus patulus* (Müller, 1786)	1.80	b	–	[17],[18]
1526.	*Plationus polyacanthus* (Ehrenberg, 1834)	1.80	b	–	[3],[8],[18]

1527.	*Platyias quadricornis* (Ehrenberg, 1832)	1.90	b	–	[3],[8],[17],[18]
1528.	*Platyias quadricornis* subsp. *quadricornis* (Ehrenberg, 1832)	1.80	b	–	[3],[8],[17],[18]
1529.	*Pleurata uroglenae* (Beauchamp, 1948)	1.40	o-b	–	[18]
1530.	*Pleuretra brycei* (Weber, 1898)	0.60	o-x	–	[17],[18]
1531.	*Pleuretra intermedia* (Bartoš, 1938)	1.20	o	–	[18]
1532.	*Pleurotrocha constricta* Ehrenberg, 1832	1.50	b	–	[17]
1533.	*Pleurotrocha petromyzon* Ehrenberg, 1830	1.90	b	–	[17],[18]
1534.	*Pleurotrocha robusta* (Glascott, 1893)	1.20	o	–	[18]
1535.	*Pleurotrocha sigmoidea* Skorikov, 1896	1.50	b	–	[17]
1536.	*Ploesoma hudsoni* (Imhof, 1891)	1.20	o	–	[17],[18]
1537.	*Ploesoma lenticulare* Herrick, 1885	1.00	o	–	[17],[18]
1538.	*Ploesoma triacanthum* (Bergendal, 1892)	1.00	o	–	[17],[18]
1539.	*Ploesoma truncatum* (Levander, 1894)	1.30	o	–	[17],[18]
1540.	*Polyarthra dissimulans* Nipkow, 1952	1.50	b	–	[17],[18]
1541.	*Polyarthra dolichoptera* f. *brachyptera* Idelson, 1925	1.30	o-b	–	[18]
1542.	*Polyarthra dolichoptera* Idelson, 1925	1.63	b	–	[3],[8],[17],[18]
1543.	*Polyarthra euryptera* Wierzejski, 1891	1.67	o	–	[3],[8],[17],[18]
1544.	*Polyarthra longiremis* Carlin, 1943	1.00	o	–	[17],[18]
1545.	*Polyarthra luminosa* Kutikova, 1962	1.50	b	–	[17]
1546.	*Polyarthra major* Burckhardt, 1900	1.20	o	–	[3],[6],[8],[17],[18]
1547.	*Polyarthra minor* Voigt, 1904	1.50	o	–	[3],[8],[17],[18]
1548.	*Polyarthra proloba* Wulfert, 1941	1.50	o-b	–	[18]
1549.	*Polyarthra pseudoproloba* Albertová, 1960	1.50	o-b	–	[18]
1550.	*Polyarthra remata* Skorikov, 1896	1.64	o	–	[3],[6],[8],[17],[18]
1551.	*Polyarthra vulgaris* Carlin, 1943	2.10	b	–	[3],[8],[17],[18]
1552.	*Pompholyx complanata* Gosse, 1851	1.50	b	–	[17],[18]
1553.	*Pompholyx sulcata* Hudson, 1885	1.80	b	–	[17],[18]
1554.	*Postclausa hyptopus* (Ehrenberg, 1838)	1.10	o	–	[17],[18]
1555.	*Postolausa minor* (Rousselet, 1892)	1.50	b	–	[17],[18]
1556.	*Proales alba* Wulfert, 1939	1.40	o-b	–	[18]
1557.	*Proales daphnicola* (Thompson, 1892)	2.10	b	–	[17],[18]
1558.	*Proales decipiens* (Ehrenberg, 1830)	1.80	o-b	–	[18]
1559.	*Proales doliaris* (Rousselet, 1895)	1.00	o	–	[18]
1560.	*Proales fallaciosa* Wulfert, 1937	1.90	b	–	[18]
1561.	*Proales latrunculus* Penard, 1909	1.20	o	–	[18]
1562.	*Proales micropus* (Gosse, 1886)	1.50	b	–	[17],[18]
1563.	*Proales minima* (Montet, 1915)	1.00	o	–	[18]
1564.	*Proales parasita* (Ehrenberg, 1838)	1.50	o-b	–	[18]
1565.	*Proales provida* Wulfert, 1938	0.10	X	–	[18]
1566.	*Proales reinhardti* (Ehrenberg, 1834)	2.20	b	–	[18]
1567.	*Proales similis* de Beauchamp, 1907	3.00	a	–	[3],[8],[18]
1568.	*Proales sordida* Gosse, 1886	1.50	o-b	–	[18]
1569.	*Proales theodora* (Gosse, 1887)	0.90	x-b	–	[18]
1570.	*Proales werneckii* (Ehrenberg, 1834)	1.50	o-b	–	[18]
1571.	*Proalides subtilis* Rodewald, 1940	1.50	b	–	[17]
1572.	*Proalides tentaculatus* Beauchamp, 1907	1.50	b	–	[17],[18]
1573.	*Proalinopsis caudatus* (Collins, 1872)	1.50	b	–	[17],[18]
1574.	*Proalinopsis lobatus* Rodewald, 1935	1.00	o	–	[18]
1575.	*Pseudoharringia similis* Fadeev, 1925	1.60	b	–	[17]
1576.	*Ptygura beauchampi* Edmondson, 1940	1.50	o-b	–	[18]
1577.	*Ptygura brachiata* (Hudson, 1886)	3.00	a	–	[17],[18]
1578.	*Ptygura crystallina* (Ehrenberg, 1834)	2.10	b	–	[17],[18]
1579.	*Ptygura longicornis* (Davis, 1867)	1.90	b	–	[18]
1580.	*Ptygura melicerta* Ehrenberg, 1832	2.00	b	–	[17],[18]

1581.	*Ptygura mucicola* (Kellicott, 1888)	1.00	o	–	[18]
1582.	*Ptygura pilula* (Cubitt, 1872)	1.50	o-b	–	[18]
1583.	*Ptygura socialis* (Weber, 1888)	2.00	b	–	[17]
1584.	*Ptygura stygis* (Gosse, 1886)	1.50	o-b	–	[18]
1585.	*Ptygura velata* (Gosse, 1851)	1.00	o	–	[18]
1586.	*Resticula gelida* (Harring et Myers, 1922)	1.50	o-b	–	[18]
1587.	*Resticula melandocus* (Gosse, 1887)	1.00	o	–	[18]
1588.	*Resticula plicata* Wulfert, 1935	1.00	o	–	[18]
1589.	*Rhinoglena fertoeensis* (Varga, 1929)	1.10	o	–	[18]
1590.	*Rhinoglena frontalis* Ehrenberg, 1853	2.00	b	–	[18]
1591.	*Rotaria citrina* (Ehrenberg, 1838)	1.40	o-b	–	[18]
1592.	*Rotaria elongata* (Weber, 1888)	1.50	b	–	[17],[18]
1593.	*Rotaria gracilicauda* Bory de St. Vincent, 1959	1.00	o	–	[18]
1594.	*Rotaria haptica* (Gosse, 1886)	2.00	b	–	[18]
1595.	*Rotaria macroceros* (Gosse, 1851)	1.50	b	–	[17],[18]
1596.	*Rotaria macrura* (Ehrenberg, 1832)	1.90	b	–	[17],[18]
1597.	*Rotaria magnacalcarata* (Parsons, 1892)	2.00	b	–	[18]
1598.	*Rotaria neptunia* Ehrenberg, 1832)	3.80	a-p	–	[17],[18]
1599.	*Rotaria neptunoida* Harring, 1913	2.55	a	–	[17],[18]
1600.	*Rotaria quadrioculata* (Murray, 1902)	1.50	o-b	–	[18]
1601.	*Rotaria rotatoria* (Pallas, 1766)	3.25	a	–	[17],[18]
1602.	*Rotaria socialis* (Kellicott, 1888)	2.00	b	–	[18]
1603.	*Rotaria sordida* subsp. *sordida* (Western, 1893)	1.20	o	–	[17],[18]
1604.	*Rotaria tardigrada* (Ehrenberg, 1830)	2.40	p	–	[17],[18]
1605.	*Rotaria tridens* (Montet, 1915)	1.70	b-o	–	[18]
1606.	*Rotaria trisecata* (Weber, 1888)	1.90	o-b	–	[17],[18]
1607.	*Rotaria citrina* (Ehrenberg,1838)	0.90	o	–	[17]
1608.	*Scaridium longicauda* (Müller, 1786)	1.30	o	–	[17]
1609.	*Scaridium longicaudum* (Müller, 1786)	1.30	o	–	[18]
1610.	*Scepanotrocha corniculata* Bryce, 1910	1.20	o	–	[18]
1611.	*Scepanotrocha rubra* Bryce, 1910	1.10	o	–	[18]
1612.	*Sinantherina semibullata* (Thorpe, 1893)	1.20	o	–	[18]
1613.	*Sinantherina socialis* (Linnaeus, 1758)	2.00	b	–	[17],[18]
1614.	*Squatinella bifurca* (Bolton, 1884)	1.00	o	–	[18]
1615.	*Squatinella lamellaris* (Müller, 1786)	1.30	o	–	[17],[18]
1616.	*Squatinella leydigii* (Zacharias, 1886)	1.00	o	–	[18]
1617.	*Squatinella longispinata* (Tatem, 1867)	1.60	b-o	–	[18]
1618.	*Squatinella rostrum* (Schmarda, 1846)	1.00	o	–	[17],[18]
1619.	*Squatinella rostrum* subsp. *rostrum* (Schmarda, 1846)	1.00	o	–	[17],[18]
1620.	*Stephanoceros fimbriatus* (Goldfusz, 1820)	2.10	b	–	[18]
1621.	*Synchaeta grandis* Zacharias, 1893	1.40	o	–	[17],[18]
1622.	*Synchaeta kitina* Rousselet, 1902	1.40	o	–	[17],[18]
1623.	*Synchaeta longipes* Gosse, 1887	1.00	o	–	[18]
1624.	*Synchaeta oblonga* Ehrenberg, 1832	1.83	b	–	[3],[4],[8],[17],[18]
1625.	*Synchaeta pectinata* Ehrenberg, 1832	1.70	b	–	[4],[17],[18]
1626.	*Synchaeta stylata* Wierzejski, 1893	1.50	o-b	–	[3],[6],[8],[17],[18]
1627.	*Synchaeta tremula* (Müller, 1786)	1.30	o	–	[17],[18]
1628.	*Taphrocampa annulosa* Gosse, 1851	1.40	o-b	–	[18]
1629.	*Taphrocampa selenura* Gosse, 1887	1.60	b-o	–	[18]
1630.	*Testudinella aspis* Carlin, 1939	1.50	o-b	–	[18]
1631.	*Testudinella caeca* (Parsons, 1892)	2.40	b-a	–	[18]
1632.	*Testudinella clypeata* (Müller, 1786)	2.80	a	–	[18]
1633.	*Testudinella elliptica* (Ehrenberg, 1834)	2.00	b	–	[17],[18]
1634.	*Testudinella emarginula* (Stenroos, 1898)	1.40	o-b	–	[18]
1635.	*Testudinella incisa* (Ternetz, 1892)	1.30	o	–	[18]

1636.	*Testudinella mucronata* (Gosse, 1886)	1.20	o	–	[17],[18]
1637.	*Testudinella parva* (Ternetz, 1892)	1.50	o-b	–	[18]
1638.	*Testudinella parva* subsp. *bidentata* (Ternitz, 1892)	1.20	o	–	[18]
1639.	*Testudinella patina* (Hermann, 1783)	1.90	b	–	[3],[8],[17],[18]
1640.	*Testudinella patina* subsp. *patina* (Hermann, 1783)	1.90	b	–	[3],[8],[17],[18]
1641.	*Testudinella reflexa* (Gosse, 1887)	2.00	b	–	[18]
1642.	*Testudinella sphagnicola* Rudescu, 1960	1.00	o	–	[17]
1643.	*Testudinella truncata* (Gosse, 1886)	2.00	b	–	[17],[18]
1644.	*Trichocerca antilopaea* (Petr, 1891)	1.30	o	–	[18]
1645.	*Trichocerca barsica* (Varga et Dudich, 1939)	1.00	o	–	[18]
1646.	*Trichocerca bicristata* (Gosse, 1887)	1.50	b	–	[17],[18]
1647.	*Trichocerca bidens* (Lucks, 1912)	1.30	o-b	–	[18]
1648.	*Trichocerca brachyura* (Gosse, 1851)	1.00	o	–	[17],[18]
1649.	Trichocerca capucina (Wierzejski et Zacharias 1893)	1.50	o-b	–	[3],[6],[8],[17],[18]
1650.	*Trichocerca cavia* (Gosse, 1886)	1.30	o-b	–	[18]
1651.	*Trichocerca collaris* (Rousselet, 1896)	1.50	b	–	[17],[18]
1652.	*Trichocerca cylindrica* (Imhof, 1891)	1.20	o	–	[3],[6],[8],[17],[18]
1653.	*Trichocerca dixonnuttalli* (Jennings, 1903)	1.00	o	–	[17],[18]
1654.	*Trichocerca elongata* (Gosse 1886)	1.60	b	–	[3],[8],[17],[18]
1655.	*Trichocerca iernis* (Gosse, 1887)	1.50	b	–	[17],[18]
1656.	*Trichocerca inermis* (Linder, 1904)	1.30	o	–	[18]
1657.	*Trichocerca intermedia* (Stenroos, 1898)	1.40	o-b	–	[18]
1658.	*Trichocerca longiseta* (Schrank, 1802)	1.20	o	–	[17],[18]
1659.	*Trichocerca longistyla* (Olofsson, 1918)	1.00	o	–	[18]
1660.	*Trichocerca lophoessa* (Gosse, 1886)	1.50	b	–	[17],[18]
1661.	*Trichocerca macera* (Gosse, 1886)	1.00	o	–	[18]
1662.	*Trichocerca musculus* (Hauer, 1936)	1.30	o	–	[18]
1663.	*Trichocerca myersi* (Hauer, 1931)	1.00	o	–	[18]
1664.	*Trichocerca obtusidens* (Olofsson, 1918)	1.30	o	–	[18]
1665.	*Trichocerca porcellus* (Gosse, 1886)	1.20	o	–	[17],[18]
1666.	*Trichocerca pusilla* (Jennings, 1903)	1.50	b	–	[17],[18]
1667.	*Trichocerca rattus* (Müller, 1776)	1.50	b	–	[17],[18]
1668.	*Trichocerca rattus* subsp. *carinata* (Ehrenberg, 1830)	1.10	o	–	[18]
1669.	*Trichocerca rosea* (Stenroos, 1898)	1.10	o	–	[17],[18]
1670.	*Trichocerca rousseleti* (Voigt, 1902)	1.00	o	–	[17],[18]
1671.	*Trichocerca ruttneri* Donner, 1953	1.20	o	–	[18]
1672.	*Trichocerca scipio* (Gosse, 1886)	1.00	o	–	[18]
1673.	*Trichocerca sejunctipes* (Gosse, 1886)	1.10	o	–	[18]
1674.	*Trichocerca similis* (Wierzejski, 1893)	1.50	b	–	[17],[18]
1675.	*Trichocerca similis* subsp. *similis* (Wierzejski, 1893)	1.50	b	–	[17],[18]
1676.	*Trichocerca stylata* (Gosse 1851)	1.50	o-b	–	[6],[17],[18]
1677.	*Trichocerca sulcata* (Jennings, 1894)	1.10	o	–	[18]
1678.	*Trichocerca taurocephala* (Hauer, 1931)	1.00	o	–	[18]
1679.	*Trichocerca tenuior* (Gosse, 1886)	1.40	o	–	[17],[18]
1680.	*Trichocerca tigris* (Müller,1786)	1.20	o	–	[17],[18]
1681.	*Trichocerca uncinata* (Voigt, 1902)	1.00	o	–	[17],[18]
1682.	*Trichocerca vernalis* (Hauer, 1936)	1.00	o	–	[17],[18]
1683.	*Trichocerca weberi* (Jennings, 1903)	1.00	o	–	[17],[18]
1684.	*Trichotria curta* (Skorikov,1914)	1.10	o	–	[17]
1685.	*Trichotria pocillum* (Mller 1776)	1.60	b-o	–	[4],[17],[18]
1686.	*Trichotria tetractis* (Ehrenberg, 1830)	1.60	b-o	–	[17],[18]
1687.	*Trichotria tetractis* subsp. *similis* (Stenroos, 1830)	1.10	o	–	[18]
1688.	*Trichotria tetractis* subsp. *tetractis* (Ehrenberg, 1830)	1.60	o	–	[17],[18]
1689.	*Trichotria tetractus* subsp. *paupera* (Ehrenberg, 1830)	1.10	o	–	[17],[18]

1690.	*Trichotria truncata* (Whitelegge, 1889)	1.58	o	–	[3],[8],[17],[18]
1691.	*Trichotria truncata* var. *aspinosa* Rodewald, 1934	1.20	o	–	[17]
1692.	*Tripleuchlanis plicata* (Levander, 1894)	1.50	b	–	[17]
1693.	*Wierzejskiella sabulosa* (Wiszniewski, 1932)	1.00	o	–	[18]
1694.	*Wierzejskiella vagneri* Koniar, 1955	1.10	o	–	[18]
1695.	*Wierzejskiella velox* (Wiszniewski, 1932)	1.20	o	–	[18]
1696.	*Wigrella depressa* Wiszniewski, 1932	1.00	o	–	[18]
1697.	*Wolga spinifera* (Western, 1894)	1.50	b	–	[17],[18]
1698.	*Wulfertia ornata* Donner, 1943	1.00	o	–	[18]
	Tardigrada (Kingdom: Animalia)				
1699.	*Dactylobiotus ambiguus* (Murray, 1907)	-	o	–	[10]
1700.	*Dactylobiotus ampullaceus* (Thulin, 1911)	-	x-o	–	[10]
1701.	*Dactylobiotus dispar* (Murray, 1907)	-	o	–	[10]
1702.	*Dactylobiotus macronyx* (Dujardin, 1851)	-	o	–	[10]
1703.	*Diphascon scoticum* Murray, 1905	-	o	–	[10]
1704.	*Diphascon trachydorsatum* (Bartos, 1937)	-	o	–	[10]
1705.	*Hypsibius annulatus* (Murray, 1905)	-	o	–	[5]
1706.	*Hypsibius augusti* (Murray, 1907)	-	o	–	[5]
1707.	*Hypsibius convergens* (Urbanowicz, 1925)	-	o	–	[5],[10]
1708.	*Hypsibius dujardini* (Doyère, 1840)	-	o	–	[5],[10]
1709.	*Hypsibius gibbus* Marcus, 1928	-	o	–	[5]
1710.	*Hypsibius granulifer* (Thulin, 1928)	-	o	–	[5]
1711.	*Hypsibius oculatus* (Murray, 1906)	-	o	–	[5],[10]
1712.	*Hypsibius prosostomus* (Thulin, 1928)	-	o	–	[5]
1713.	*Hypsibius scoticus* (Murray, 1905)	-	o	–	[5]
1714.	*Hypsibius tetradactyloides* Richters, 1907	-	o	–	[5]
1715.	*Hypsibius trachydorsatum* Bartos, 1937	-	o	–	[5]
1716.	*Isohypsibius annulatus* (Murray, 1905)	-	o	–	[10]
1717.	*Isohypsibius gibbus* (Marcus, 1928)	-	o	–	[10]
1718.	*Isohypsibius granulifer* Thulin, 1928	-	o	–	[10]
1719.	*Isohypsibius papillifer bulbosus* (Marcus, 1928)	-	o	–	[5],[10]
1720.	*Isohypsibius prosostomus* Thulin, 1928	-	o	–	[10]
1721.	*Isohypsibius tetradactyloides* (Richters, 1907)	-	o	–	[10]
1722.	*Macrobiotus ambiguus* Murray, 1907	-	o	–	[5]
1723.	*Macrobiotus ampullaceus* Thulin, 1911	-	x-o	–	[5]
1724.	*Macrobiotus dispar* Murray, 1907	-	o	–	[5]
1725.	*Macrobiotus furciger* Murray, 1907	-	o	–	[5],[10]
1726.	*Macrobiotus hufelandi* C.A.S.Schultze, 1834	-	o	–	[5],[10]
1727.	*Macrobiotus macronyx* Dujardin, 1851	-	o	–	[5]
1728.	*Macrobiotus richtersi* Murray, 1911	-	o	–	[5],[10]
1729.	*Murrayon pullari* (Murray, 1907)	-	o	–	[5],[10]
1730.	*Pseudechiniscus tridentifer* Bartos, 1935	-	x-o	–	[5]
1731.	*Pseudechiniscus victor* (Ehrenberg, 1853)	-	x-o	–	[10]
1732.	*Thulinius augusti* (Murray, 1907)	-	o	–	[10]

It can be seen that most species-rich were Rotifera with 681 indicators (34%) and Arthropoda with 681 (34%) indicators of trophic state and organic pollution (Tab. 2, Fig. 1). These groups included more than 1362 indicator taxa of total indicators represented in table 3, which altogether is 78% of the revealed 1732 taxa-indicators. Since macroinvertebrates are widely studied and represented in water bodies, they may be sufficient to bioindicational assessment of organic pollution and trophic state of water bodies.

As a visualization example of bioindicational assessment of some water bodies' state and level of organic pollution were constructed two histograms based on table 2. Figure 2 shows species number distribution in ecological groups that placed on the x-axes in order to increasing of organic pollution or trophic state. Histogram for Class of Water Quality indicators distribution showed prevailing of two indicators groups that reflected clear and low organically polluted waters. The Class 2 indicators are of richest and followed indicators of Class 3 but both groups indicators number were between 589 and 539 taxa (Fig. 2a).

In Van Dam et al. (1994) mentioned seven indicators categories. The author noted that its category is rather qualitative (page 120). The trophic state indicators of invertebrates are representing four categories only (Fig. 2b). Table 2 represent data for each indicator taxon in category of trophic state as given in cited resources and mean that the trophic optimum of this species-indicator is in mentioned trophic state of water body. Distributions of trophic state indicators demonstrate two groups: first of which with prevailing of oligotraphentic species of invertebrates, and second one that included middle- to high-trophicity indicators of meso-eutrophic and eutrophic conditions (Fig. 2b).

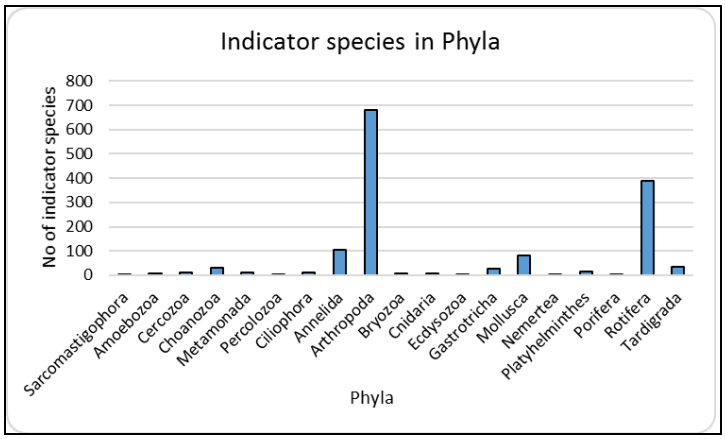


Figure 1: Distribution of number of macroinvertebrate and non-photosynthetic protists species-indicators of organic pollution and trophic state over taxonomic Phyla.

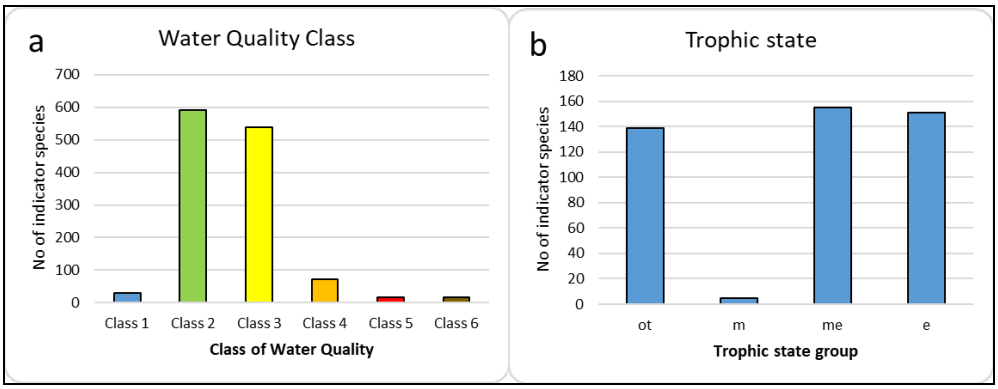


Figure 2: Distribution of number of macroinvertebrate and non-photosynthetic protists species-indicators of organic pollution over Water Quality Classes (a) and over groups of trophic state conditions (b). Ecological groups are located on the x-axis in accordance with the increase of the indicated parameter. Classes of Water Quality are toned in EU color code.

Table 3: Distribution of species-indicators of saprobity and trophic state over taxonomic Phyla of aquatic inhabitants.

Kingdom	Phylum	No. of indicator taxa
Kingdom: Protista	Sarcomastigophora	2
Kingdom: Protozoa	Amoebozoa	8
	Cercozoa	11
	Choanozoa	32
	Metamonada	10
	Percolozoa	4
Kingdom: Chromista	Ciliophora	12
Kingdom: Animalia	Annelida	104
	Arthropoda	681
	Bryozoa	9
	Cnidaria	8
	Ecdysozoa	2
	Gastrotricha	27
	Mollusca	83
	Nemertea	2
	Platyhelminthes	16
	Porifera	5
	Rotifera	681
	Tardigrada	34
Total	19	1732

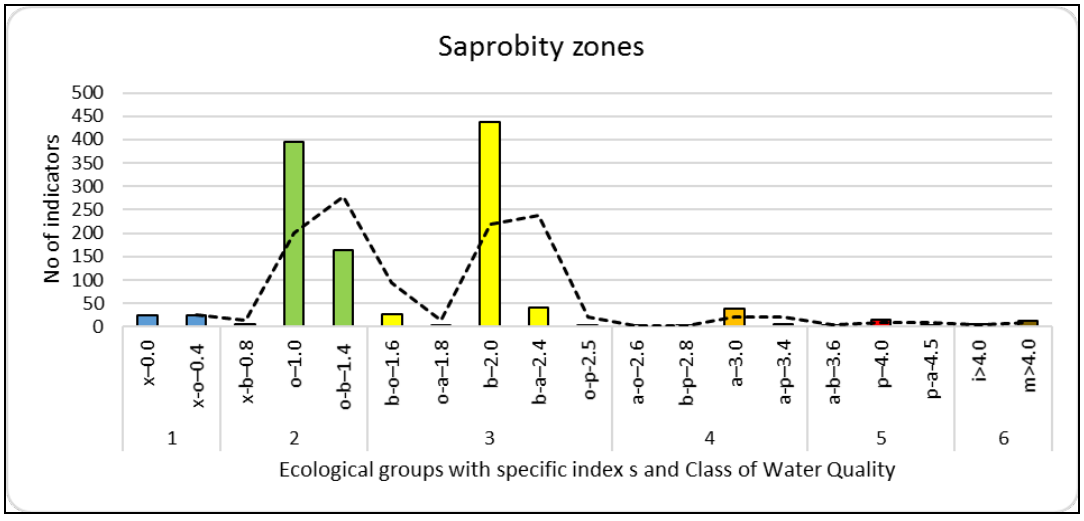


Figure 3: Distribution of number of macroinvertebrate and non-photosynthetic protists species-indicators of organic pollution over Water Quality Classes and over groups of self-purification zones. Ecological groups are located on the x-axis in accordance with the increase of the indicated parameter. Classes of Water Quality are toned in EU color code.

Collected data about macroinvertebrate and non-photosynthetic protists species-indicators of organic pollution that has species-specific index saprobity S were affiliated to six Classes of Water Quality and 19 groups of self-purification. Distribution of groups in order to increasing organic pollution is represented on figure 3. It can be seen that prevailed oligosaprobiontes and beta-mesosaprobiontes with 395 and 438 indicator-species respectively according the trend line. The large number of indicator taxa between macroinvertebrats and non-photosynthetic protists with species-specific index S can improve the assessment of organic pollution results because Index S is related to about of hundred chemical and biological variables of aquatic ecosystems (Romanenko et al., 1990; Barinova, 2017b).

CONCLUSIONS

In order to be able to determine the water quality by organic pollution, as well as assess the aquatic ecosystem trophic state we have collected the relevant ecological data from 18 references published as book, papers or electronic resource for each of the aquatic species of macroinvertebrates and non-photosynthetic protists. The list of indicators therefore includes 1732 taxa belonging to 19 Phyla. Whereas macroinvertebrates of Arthropoda and Rotifera groups prevail and demonstrated preferences of low to middle organically polluted waters Class 2 and 3 and oligo- to mesotrophic environment, the other indicator-species in invertebrates and protists preferred organically polluted waters Class of 5-6 and high trophic conditions. Collected data about organic pollution indicators with species-specific index S can be used for improvement of the system of water quality and trophic state assessment for monitoring of organic pollution in diverse continental water bodies.

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