

Belkinova *et al.*, 2027. Phytoplankton Functional Group V *sensu* Reynolds in Shallow Macrophyte-Dominated Wetlands: Indications Beyond Stratified Lakes. *Limnetica* 46(2), 2027.

Supplementary Table S1a.

Complete taxa list of phototrophic microorganisms recorded in the investigated riparian wetlands (RWs) and their assignment to Reynolds functional groups (FGs).

Popovitsa RW

No	Taxon (AlgaeBase)	Synonym	Phylum	FG
1	<i>Chromatium okenii</i> (Ehrenberg 1838) Perty 1852		Proteobacteria	V
2	<i>Thiospirillum jenense</i> (Ehrenberg 1838) Migula 1900		Proteobacteria	V
3	<i>Aphanocapsa incerta</i> (Lemmermann) G.Cronberg & Komárek 1994		Cyanobacteria	K
4	<i>Dolichospermum</i> sp.		Cyanobacteria	H1
5	<i>Komvophoron</i> sp.		Cyanobacteria	S1
6	<i>Oscillatoria annae</i> Goor 1918		Cyanobacteria	TC
7	<i>Oscillatoria limosa</i> C.Agardh ex Gomont 1892		Cyanobacteria	TC
8	<i>Oscillatoria</i> sp.		Cyanobacteria	TC
9	<i>Oscillatoria tenuis</i> C.Agardh ex Gomont 1892		Cyanobacteria	TC
10	<i>Phormidium</i> sp.		Cyanobacteria	TC
11	<i>Planktolyngbya limnetica</i> (Lemmermann) Komárková-Legnerová & Cronberg 1992		Cyanobacteria	S1
12	<i>Pseudanabaena catenata</i> Lauterborn 1915		Cyanobacteria	MP
13	<i>Carteria pseudoglobosa</i> Ettl 1979		Chlorophyta	X2
14	<i>Chlamydomonas pyrenodiscus</i> Ettl 1960		Chlorophyta	X2
15	<i>Chlamydomonas</i> sp.		Chlorophyta	X2

16	<i>Monoraphidium griffithii</i> (Berkeley) Komárková-Legnerová 1969		Chlorophyta	X1
17	<i>Monoraphidium minutum</i> (Näheli) Komárková-Legnerová 1969		Chlorophyta	X1
18	<i>Nephroselmis olivacea</i> F.Stein 1878		Chlorophyta	X2
19	<i>Phacotus lenticularis</i> (Ehrenberg) Diesing 1866		Chlorophyta	YPh
20	<i>Rusalka fusiformis</i> (Matvienko) T.Nakada 2008	<i>Chlorogonium fusiforme</i> Matvienko 1938	Chlorophyta	X2
21	<i>Tetrademus obliquus</i> (Turpin) M.J.Wynne 2016	<i>Scenedesmus obliquus</i> (Turpin) Kützing 1833	Chlorophyta	J
22	<i>Aulacoseira</i> sp.		Bacillariophyta	C
23	<i>Bacillaria paxillifera</i> (O.F.Müller) T.Marsson 1901		Bacillariophyta	MP
24	<i>Caloneis silicula</i> (Ehrenberg) Cleve 1894		Bacillariophyta	MP
25	<i>Caloneis</i> sp.		Bacillariophyta	MP
26	<i>Craticula ambigua</i> (Ehrenberg) D.G.Mann 1990		Bacillariophyta	MP
27	<i>Cymbella tumida</i> (Brébisson) Van Heurck 1880		Bacillariophyta	MP
28	<i>Diatoma</i> sp.		Bacillariophyta	MP
29	<i>Epithemia adnata</i> (Kützing) Brébisson 1838		Bacillariophyta	MP
30	<i>Gomphonella olivacea</i> (Hornemann) Rabenhorst 1853	<i>Gomphonema olivaceum</i> (Hornemann) Brébisson 1838	Bacillariophyta	MP
31	<i>Gomphonema acuminatum</i> Ehrenberg 1832		Bacillariophyta	MP
32	<i>Gomphonema parvulum</i> (Kützing) Kützing 1849		Bacillariophyta	MP
33	<i>Gomphonema pumilum</i> (Grunow) E.Reichardt & Lange-Bertalot 1991		Bacillariophyta	MP
34	<i>Halamphora veneta</i> (Kützing) Levkov 2009	<i>Amphora veneta</i> Kützing 1844	Bacillariophyta	MP
35	<i>Hippodonta capitata</i> (Ehrenberg) Lange-Bertalot, Metzeltin & Witkowski 1996	<i>Navicula capitata</i> Ehrenberg 1838	Bacillariophyta	MP
36	<i>Lemnicola hungarica</i> (Grunow) Round & Basson 1997	<i>Achnanthes hungarica</i> (Grunow) Grunow 1880	Bacillariophyta	MP
37	<i>Melosira varians</i> C.Agardh 1827		Bacillariophyta	MP
38	<i>Navicula cryptotenella</i> Lange-Bertalot 1985		Bacillariophyta	MP
39	<i>Navicula lanceolata</i> Ehrenberg 1838		Bacillariophyta	MP
40	<i>Navicula</i> sp.		Bacillariophyta	MP
41	<i>Nitzschia capitellata</i> Hustedt 1930		Bacillariophyta	MP

42	<i>Nitzschia dissipata</i> (Kützing) Rabenhorst 1860		Bacillariophyta	MP
43	<i>Nitzschia palea</i> (Kützing) W.Smith 1856		Bacillariophyta	MP
44	<i>Nitzschia</i> sp.		Bacillariophyta	MP
45	<i>Pinnularia</i> sp.		Bacillariophyta	MP
46	<i>Rhopalodia gibba</i> (Ehrenberg) O.Müller 1895		Bacillariophyta	MP
47	<i>Sellaphora bacillum</i> (Ehrenberg) D.G.Mann 2018	<i>Navicula bacillum</i> Ehrenberg 1839	Bacillariophyta	MP
48	<i>Sellaphora</i> sp.		Bacillariophyta	MP
49	<i>Stephanocyclus meneghinianus</i> (Kützing) Kulikovskiy, Genkal & Kociolek 2022	<i>Cyclotella meneghiniana</i> Kützing 1844	Bacillariophyta	C
50	<i>Ulnaria capitata</i> (Ehrenberg) Compère 2001	<i>Synedra capitata</i> Ehrenberg 1836	Bacillariophyta	MP
51	<i>Ulnaria ulna</i> (Nitzsch) Compère 2001		Bacillariophyta	MP
52	<i>Tribonema</i> sp.		Ochrophyta	T
53	<i>Cryptoglana skujae</i> Marin & Melkonian 2003		Euglenophyta	W1
54	<i>Euglena texta</i> (Dujardin) Hübner 1886		Euglenophyta	W1
55	<i>Flexiglana variabilis</i> (G.A.Klebs) Zakryś & Łukomska 2021	<i>Euglena variabilis</i> G.A.Klebs 1883)	Euglenophyta	W1
56	<i>Lepocinclis acus</i> (O.F.Müller) B.Marin & Melkonian 2003	<i>Euglena acus</i> (O.F.Müller) Ehrenberg 1830	Euglenophyta	W1
57	<i>Lepocinclis ovum</i> (Ehrenberg) Lemmermann 1909		Euglenophyta	W1
58	<i>Menoidium pellucidum</i> var. <i>steinii</i> Popova 1952		Euglenophyta	W1
59	<i>Monomorphina pyrum</i> (Ehrenberg) Mereschkowsky 1877		Euglenophyta	W1
60	<i>Phacus orbicularis</i> Hübner 1886		Euglenophyta	W1
61	<i>Phacus triquetrus</i> (Ehrenberg) Dujardin 1841		Euglenophyta	W1
62	<i>Cryptomonas ovata</i> Ehrenberg 1832		Cryptophyta	Y

Dragoman RW

No	Taxon (AlgaeBase)	Synonym	Phylum	FG
1	<i>Chromatium okenii</i> (Ehrenberg 1838) Perty 1852		Proteobacteria	V
2	<i>Thiospirillum jenense</i> (Ehrenberg 1838) Migula 1900		Proteobacteria	V

3	<i>Aphanocapsa delicatissima</i> West & G.S.West 1912		Cyanobacteria	K
4	<i>Aphanocapsa holsatica</i> (Lemmermann) G.Cronberg & Komárek 1994		Cyanobacteria	K
5	<i>Aphanocapsa incerta</i> (Lemmermann) G.Cronberg & Komárek 1994		Cyanobacteria	K
6	<i>Aphanothece</i> sp.		Cyanobacteria	K
7	<i>Coelosphaerium kuetzingianum</i> Nägeli 1849		Cyanobacteria	Lo
8	<i>Cyanodictyon</i> sp.		Cyanobacteria	K
9	<i>Komvophoron</i> sp.		Cyanobacteria	S1
10	<i>Oscillatoria</i> sp.		Cyanobacteria	TC
11	<i>Planktolingbya limnetica</i> (Lemmermann) Komárková-Legnerová & Cronberg 1992		Cyanobacteria	S1
12	<i>Snowella lacustris</i> (Chodat) Komárek & Hindák 1988	<i>Gomphosphaeria lacustris</i> Chodat 1898	Cyanobacteria	Lo
13	<i>Tenebriella curviceps</i> (C.Agardh ex Gomont) Hauerová, Hauer & Kaštovský 2021	<i>Oscillatoria curviceps</i> C.Agardh ex Gomont 1892	Cyanobacteria	TC
14	<i>Woronichinia compacta</i> (Lemmermann) Komárek & Hindák 1988		Cyanobacteria	Lo
15	<i>Ankistrodesmus fusiformis</i> Corda 1838		Chlorophyta	X1
16	<i>Chlamydomonas</i> sp.		Chlorophyta	X2
17	<i>Pandorina morum</i> (O.F.Müller) Bory 1826		Chlorophyta	G
18	<i>Phacotus lenticularis</i> (Ehrenberg) Diesing 1866		Chlorophyta	YPh
19	<i>Pteromonas</i> sp.		Chlorophyta	X2
20	<i>Scenedesmus ecornis</i> (Ehrenberg) Chodat 1926		Chlorophyta	J
21	<i>Achnantheidium</i> sp.		Bacillariophyta	MP
22	<i>Amphora</i> sp.		Bacillariophyta	MP
23	<i>Cocconeis placentula</i> Ehrenberg 1838		Bacillariophyta	MP
24	<i>Cymbella</i> sp.		Bacillariophyta	MP
25	<i>Diatoma vulgaris</i> Bory 1824		Bacillariophyta	MP
26	<i>Epithemia adnata</i> (Kützing) Brébisson 1838		Bacillariophyta	MP
27	<i>Eunotia</i> sp.		Bacillariophyta	MP
28	<i>Gogorevia exilis</i> (Kützing) Kulikovskiy & Kociolek 2020	<i>Achnanthes exigua</i> Grunow 1880	Bacillariophyta	MP

29	<i>Gomphonella olivacea</i> (Hornemann) Rabenhorst 1853	<i>Gomphonema olivaceum</i> (Hornemann) Brébisson 1838	Bacillariophyta	MP
30	<i>Gomphonema parvulum</i> (Kützing) Kützing 1849		Bacillariophyta	MP
31	<i>Lemnicola hungarica</i> (Grunow) Round & Basson 1997	<i>Achnanthes hungarica</i> (Grunow) Grunow 1880	Bacillariophyta	MP
32	<i>Euglena</i> sp.		Euglenophyta	W1
33	<i>Lepocinclis acus</i> (O.F.Müller) B.Marin & Melkonian 2003	<i>Euglena acus</i> (O.F.Müller) Ehrenberg 1830	Euglenophyta	W1
34	<i>Monomorphina pyrum</i> (Ehrenberg) Mereschkowsky 1877		Euglenophyta	W1
35	<i>Phacus oscillans</i> G.A.Klebs 1883		Euglenophyta	W1
36	<i>Phacus</i> sp.		Euglenophyta	W1
37	<i>Rhabdomonas incurva</i> Fresenius 1858		Euglenophyta	W1
38	<i>Gymnodinium</i> sp.		Dinoflagellata	Y
39	<i>Cryptomonas obovata</i> Skuja 1948		Cryptophyta	Y
40	<i>Cryptomonas</i> sp.		Cryptophyta	Y
41	Cryptomonadales, unidentified		Cryptophyta	Y
42	<i>Komma caudata</i> (L.Geitler) D.R.A.Hill 1991	<i>Chroomonas acuta</i> Utermöhl 1925	Cryptophyta	X2

**Complete taxa list of phototrophic microorganisms recorded in both riparian wetlands (RWs)
and their assignment to Reynolds functional groups (FGs)**
+ indicates presence of the taxon.

No	Taxon (AlgaeBase)	Phylum	FG	Popovitsa RW	Dragoman RW
1	<i>Chromatium okenii</i> (Ehrenberg 1838) Perty 1852	Proteobacteria	V	+	+
2	<i>Thiospirillum jenense</i> (Ehrenberg 1838) Migula 1900	Proteobacteria	V	+	+
3	<i>Aphanocapsa delicatissima</i> West & G.S.West 1912	Cyanobacteria	K		+
4	<i>Aphanocapsa holsatica</i> (Lemmermann) G.Cronberg & Komárek 1994	Cyanobacteria	K		+
5	<i>Aphanocapsa incerta</i> (Lemmermann) G.Cronberg & Komárek 1994	Cyanobacteria	K	+	+

6	<i>Aphanothece</i> sp.	Cyanobacteria	K		+
7	<i>Coelosphaerium kuetzingianum</i> Nägeli 1849	Cyanobacteria	Lo		+
8	<i>Cyanodictyon</i> sp.	Cyanobacteria	K		+
9	<i>Dolichospermum</i> sp.	Cyanobacteria	H1	+	
10	<i>Komvophoron</i> sp.	Cyanobacteria	S1	+	+
11	<i>Oscillatoria annae</i> Goor 1918	Cyanobacteria	TC	+	
12	<i>Oscillatoria limosa</i> C.Agardh ex Gomont 1892	Cyanobacteria	TC	+	
13	<i>Oscillatoria</i> sp.	Cyanobacteria	TC	+	+
14	<i>Oscillatoria tenuis</i> C.Agardh ex Gomont 1892	Cyanobacteria	TC	+	
15	<i>Phormidium</i> sp.	Cyanobacteria	TC	+	
16	<i>Planktolyngbya limnetica</i> (Lemmermann) Komárková-Legnerová & Cronberg 1992	Cyanobacteria	S1	+	+
17	<i>Pseudanabaena catenata</i> Lauterborn 1915	Cyanobacteria	MP	+	
18	<i>Snowella lacustris</i> (Chodat) Komárek & Hindák 1988	Cyanobacteria	L0		+
19	<i>Tenebriella curviceps</i> (C.Agardh ex Gomont) Hauerová, Hauer & Kaštovský 2021	Cyanobacteria	TC		+
20	<i>Woronichinia compacta</i> (Lemmermann) Komárek & Hindák 1988	Cyanobacteria	L0		+
21	<i>Ankistrodesmus fusiformis</i> Corda 1838	Chlorophyta	X1		+
22	<i>Carteria pseudoglobosa</i> Ettl 1979	Chlorophyta	X2	+	
23	<i>Chlamydomonas pyrenodiscus</i> Ettl 1960	Chlorophyta	X2	+	
24	<i>Chlamydomonas</i> sp.	Chlorophyta	X2	+	+
25	<i>Monoraphidium griffithii</i> (Berkeley) Komárková-Legnerová 1969	Chlorophyta	X1	+	
26	<i>Monoraphidium minutum</i> (Nägeli) Komárková-Legnerová 1969	Chlorophyta	X1	+	
27	<i>Nephroselmis olivacea</i> F.Stein 1878	Chlorophyta	X2	+	
28	<i>Pandorina morum</i> (O.F.Müller) Bory 1826	Chlorophyta	G		+
29	<i>Phacotus lenticularis</i> (Ehrenberg) Diesing 1866	Chlorophyta	YPh	+	+
30	<i>Pteromonas</i> sp.	Chlorophyta	X2		+
31	<i>Rusalka fusiformis</i> (Matvienko) T.Nakada 2008	Chlorophyta	X2	+	

32	<i>Scenedesmus ecornis</i> (Ehrenberg) Chodat 1926	Chlorophyta	J		+
33	<i>Tetradesmus obliquus</i> (Turpin) M.J.Wynne 2016	Chlorophyta	J	+	
34	<i>Achnantheidium</i> sp.	Bacillariophyta	MP		+
35	<i>Amphora</i> sp.	Bacillariophyta	MP		+
36	<i>Aulacoseira</i> sp.	Bacillariophyta	C	+	
37	<i>Bacillaria paxillifera</i> (O.F.Müller) T.Marsson 1901	Bacillariophyta	MP	+	
38	<i>Caloneis silicula</i> (Ehrenberg) Cleve 1894	Bacillariophyta	MP	+	
39	<i>Caloneis</i> sp.	Bacillariophyta	MP	+	
40	<i>Cocconeis placentula</i> Ehrenberg 1838	Bacillariophyta	MP		+
41	<i>Craticula ambigua</i> (Ehrenberg) D.G.Mann 1990	Bacillariophyta	MP	+	
42	<i>Cymbella tumida</i> (Brébisson) Van Heurck 1880	Bacillariophyta	MP	+	
43	<i>Cymbella</i> sp.	Bacillariophyta	MP		+
44	<i>Diatoma vulgaris</i> Bory 1824	Bacillariophyta	MP		+
45	<i>Diatoma</i> sp.	Bacillariophyta	MP	+	
46	<i>Epithemia adnata</i> (Kützing) Brébisson 1838	Bacillariophyta	MP	+	+
47	<i>Eunotia</i> sp.	Bacillariophyta	MP		+
48	<i>Gogorevia exilis</i> (Kützing) Kulikovskiy & Kociolek 2020	Bacillariophyta	MP		+
49	<i>Gomphonella olivacea</i> (Hornemann) Rabenhorst 1853	Bacillariophyta	MP	+	+
50	<i>Gomphonema acuminatum</i> Ehrenberg 1832	Bacillariophyta	MP	+	
51	<i>Gomphonema parvulum</i> (Kützing) Kützing 1849	Bacillariophyta	MP	+	+
52	<i>Gomphonema pumilum</i> (Grunow) E.Reichardt & Lange-Bertalot 1991	Bacillariophyta	MP	+	
53	<i>Halamphora veneta</i> (Kützing) Levkov 2009	Bacillariophyta	MP	+	
54	<i>Hippodonta capitata</i> (Ehrenberg) Lange-Bertalot, Metzeltin & Witkowski 1996	Bacillariophyta	MP	+	
55	<i>Lemnicola hungarica</i> (Grunow) Round & Basson 1997	Bacillariophyta	MP	+	+
56	<i>Melosira varians</i> C.Agardh 1827	Bacillariophyta	MP	+	
57	<i>Navicula cryptotenella</i> Lange-Bertalot 1985	Bacillariophyta	MP	+	
58	<i>Navicula lanceolata</i> Ehrenberg 1838	Bacillariophyta	MP	+	

59	<i>Navicula</i> sp.	Bacillariophyta	MP	+	
60	<i>Nitzschia capitellata</i> Hustedt 1930	Bacillariophyta	MP	+	
61	<i>Nitzschia dissipata</i> (Kützing) Rabenhorst 1860	Bacillariophyta	MP	+	
62	<i>Nitzschia palea</i> (Kützing) W.Smith 1856	Bacillariophyta	MP	+	
63	<i>Nitzschia</i> sp.	Bacillariophyta	MP	+	
64	<i>Pinnularia</i> sp.	Bacillariophyta	MP	+	
65	<i>Rhopalodia gibba</i> (Ehrenberg) O.Müller 1895	Bacillariophyta	MP	+	
66	<i>Sellaphora bacillum</i> (Ehrenberg) D.G.Mann 2018	Bacillariophyta	MP	+	
67	<i>Sellaphora</i> sp.	Bacillariophyta	MP	+	
68	<i>Stephanocyclus meneghinianus</i> (Kützing) Kulikovskiy, Genkal & Kociolek 2022	Bacillariophyta	C	+	
69	<i>Ulnaria capitata</i> (Ehrenberg) Compère 2001	Bacillariophyta	MP	+	
70	<i>Ulnaria ulna</i> (Nitzsch) Compère 2001	Bacillariophyta	MP	+	
71	<i>Tribonema</i> sp.	Ochromytha	T	+	
72	<i>Cryptoglana skujae</i> Marin & Melkonian 2003	Euglenophyta	W1	+	
73	<i>Euglena texta</i> (Dujardin) Hübner 1886	Euglenophyta	W1	+	
74	<i>Euglena</i> sp.	Euglenophyta	W1		+
75	<i>Flexiglana variabilis</i> (G.A.Klebs) Zakryś & Łukomska 2021	Euglenophyta	W1	+	
76	<i>Lepocinclis acus</i> (O.F.Müller) B.Marin & Melkonian 2003	Euglenophyta	W1	+	+
77	<i>Lepocinclis ovum</i> (Ehrenberg) Lemmermann 1909	Euglenophyta	W1	+	
78	<i>Menoidium pellucidum</i> var. <i>steinii</i> Popova 1952	Euglenophyta	W1	+	
79	<i>Monomorphina pyrum</i> (Ehrenberg) Mereschkowsky 1877	Euglenophyta	W1	+	+
80	<i>Phacus orbicularis</i> Hübner 1886	Euglenophyta	W1	+	
81	<i>Phacus oscillans</i> G.A.Klebs 1883	Euglenophyta	W1		+
82	<i>Phacus</i> sp.	Euglenophyta	W1		+
83	<i>Phacus triquetrus</i> (Ehrenberg) Dujardin 1841	Euglenophyta	W1	+	
84	<i>Rhabdomonas incurva</i> Fresenius 1858	Euglenophyta	W1		+
85	<i>Gymnodinium</i> sp.	Dinoflagellata	Y		+

86	<i>Cryptomonas obovata</i> Skuja 1948	Cryptophyta	Y		+
87	<i>Cryptomonas ovata</i> Ehrenberg 1832	Cryptophyta	Y	+	
88	<i>Cryptomonas</i> sp.	Cryptophyta	Y		+
89	Cryptomonadales, unidentified	Cryptophyta	Y		+
90	<i>Komma caudata</i> (L.Geitler) D.R.A.Hill 1991	Cryptophyta	X2		+