

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 S1b

**Biomass (BM) and relative biomass (Rel. BM. %) of phototrophic microorganisms recorded in the investigated riparian wetlands (RWs) during the study period**

**Popovitsa RW**  
**("Aug1" and "Aug2" represent two sampling dates in August)**

| No | Taxon (AlgaeBase)                 | BM July (mg/L) | Rel. BM July (%) | BM Aug1 (mg/L) | Rel. BM Aug1 (%) | BM Aug2 (mg/L) | Rel. BM Aug2 (%) | BM Sept (mg/L) | Rel BM Sept (%) | FG |
|----|-----------------------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|-----------------|----|
| 1  | <i>Chromatium okenii</i>          | 2.20           | 6.05             | 4.87           | 1.52             | 1.53           | 1.87             | 91.82          | 34.73           | V  |
| 2  | <i>Thiospirillum jenense</i>      | 24.42          | 67.17            | 4.15           | 1.30             | 0.14           | 0.17             | 37.19          | 14.07           | V  |
| 3  | <i>Aphanocapsa incerta</i>        |                |                  |                |                  |                |                  | 0.08           | 0.03            | K  |
| 4  | <i>Dolichospermum</i> sp.         | 0.15           | 0.42             | 0.21           | 0.07             |                |                  |                |                 | H1 |
| 5  | <i>Komvophoron</i> sp.            | 0.08           | 0.22             |                |                  |                |                  |                |                 | S1 |
| 6  | <i>Oscillatoria annae</i>         |                |                  | 65.55          | 20.47            |                |                  | 5.18           | 1.96            | TC |
| 7  | <i>Oscillatoria limosa</i>        | 2.40           | 6.61             | 177.82         | 55.53            |                |                  |                |                 | TC |
| 8  | <i>Oscillatoria</i> sp.           |                |                  | 5.89           | 1.84             |                |                  |                |                 | TC |
| 9  | <i>Oscillatoria tenuis</i>        |                |                  |                |                  |                |                  | 0.52           | 0.20            | TC |
| 10 | <i>Phormidium</i> sp.             | 0.18           | 0.49             | 3.06           | 0.96             | 0.26           | 0.32             | 7.81           | 2.96            | TC |
| 11 | <i>Planktolyngbya limnetica</i>   |                |                  |                |                  |                |                  | 0.14           | 0.05            | S1 |
| 12 | <i>Pseudanabaena catenata</i>     |                |                  |                |                  |                |                  | 0.63           | 0.24            | MP |
| 13 | <i>Carteria pseudoglobosa</i>     | 1.20           | 3.31             |                |                  |                |                  |                |                 | X2 |
| 14 | <i>Chlamydomonas pyrenodiscus</i> |                |                  |                |                  | 21.10          | 25.77            |                |                 | X2 |
| 15 | <i>Chlamydomonas</i> sp.          | 0.11           | 0.29             |                |                  |                |                  |                |                 | X2 |

|    |                                 |      |      |       |      |       |       |       |      |            |
|----|---------------------------------|------|------|-------|------|-------|-------|-------|------|------------|
| 16 | <i>Monoraphidium griffithii</i> | 0.00 | 0.01 |       |      |       |       |       |      | <b>X1</b>  |
| 17 | <i>Monoraphidium minutum</i>    | 0.01 | 0.02 |       |      |       |       |       |      | <b>X1</b>  |
| 18 | <i>Nephroselmis olivacea</i>    | 2.16 | 5.94 |       |      |       |       |       |      | <b>X2</b>  |
| 19 | <i>Phacotus lenticularis</i>    |      |      | 0.31  | 0.10 | 0.23  | 0.28  |       |      | <b>YPh</b> |
| 20 | <i>Rusalka fusiformis</i>       | 0.01 | 0.02 |       |      |       |       |       |      | <b>X2</b>  |
| 21 | <i>Tetrademus obliquus</i>      | 0.04 | 0.11 | 0.10  | 0.03 |       |       |       |      | <b>J</b>   |
| 22 | <i>Aulacoseira</i> sp.          |      |      | 1.50  | 0.47 |       |       |       |      | <b>C</b>   |
| 23 | <i>Bacillaria paxillifera</i>   |      |      | 0.02  | 0.01 |       |       |       |      | <b>MP</b>  |
| 24 | <i>Caloneis silicula</i>        |      |      | 0.13  | 0.04 | 2.44  | 2.98  |       |      | <b>MP</b>  |
| 25 | <i>Caloneis</i> sp.             |      |      | 0.06  | 0.02 |       |       |       |      | <b>MP</b>  |
| 26 | <i>Craticula ambigua</i>        | 0.18 | 0.50 | 6.78  | 2.12 | 22.19 | 27.09 | 11.42 | 4.32 | <b>MP</b>  |
| 27 | <i>Cymbella tumida</i>          |      |      | 14.77 | 4.61 | 0.14  | 0.17  | 0.33  | 0.12 | <b>MP</b>  |
| 28 | <i>Diatoma</i> sp.              | 0.13 | 0.36 |       |      |       |       |       |      | <b>MP</b>  |
| 29 | <i>Epithemia adnata</i>         | 0.40 | 1.11 | 2.21  | 0.69 | 0.50  | 0.61  |       |      | <b>MP</b>  |
| 30 | <i>Gomphonella olivacea</i>     |      |      | 0.59  | 0.18 | 0.96  | 1.17  | 5.22  | 1.97 | <b>MP</b>  |
| 31 | <i>Gomphonema acuminatum</i>    |      |      |       |      | 2.41  | 2.95  | 2.40  | 0.91 | <b>MP</b>  |
| 32 | <i>Gomphonema parvulum</i>      |      |      | 0.04  | 0.01 |       |       | 0.35  | 0.13 | <b>MP</b>  |
| 33 | <i>Gomphonema pumilum</i>       |      |      |       |      | 0.35  | 0.43  |       |      | <b>MP</b>  |
| 34 | <i>Halamphora veneta</i>        |      |      | 0.45  | 0.14 | 1.00  | 1.22  | 1.99  | 0.75 | <b>MP</b>  |
| 35 | <i>Hippodonta capitata</i>      |      |      |       |      |       |       | 0.51  | 0.19 | <b>MP</b>  |
| 36 | <i>Lemnicola hungarica</i>      |      |      | 1.82  | 0.57 | 0.78  | 0.95  |       |      | <b>MP</b>  |
| 37 | <i>Melosira varians</i>         |      |      | 0.19  | 0.06 |       |       |       |      | <b>MP</b>  |
| 38 | <i>Navicula cryptotenella</i>   |      |      | 0.73  | 0.23 |       |       |       |      | <b>MP</b>  |
| 39 | <i>Navicula lanceolata</i>      |      |      |       |      | 2.51  | 3.06  |       |      | <b>MP</b>  |
| 40 | <i>Navicula</i> sp.             | 0.05 | 0.14 | 1.16  | 0.36 | 1.22  | 1.49  | 0.81  | 0.31 | <b>MP</b>  |
| 41 | <i>Nitzschia capitellata</i>    |      |      |       |      | 2.09  | 2.55  |       |      | <b>MP</b>  |
| 42 | <i>Nitzschia dissipata</i>      |      |      |       |      | 2.05  | 2.51  |       |      | <b>MP</b>  |
| 43 | <i>Nitzschia palea</i>          |      |      | 0.45  | 0.14 |       |       |       |      | <b>MP</b>  |

|    |                                     |              |               |               |               |              |               |               |               |           |
|----|-------------------------------------|--------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|-----------|
| 44 | <i>Nitzschia</i> sp.                | 0.02         | 0.06          |               |               | 0.84         | 1.03          |               |               | <b>MP</b> |
| 45 | <i>Pinnularia</i> sp.               |              |               | 1.19          | 0.37          |              |               |               |               | <b>MP</b> |
| 46 | <i>Rhopalodia gibba</i>             |              |               | 9.24          | 2.89          | 1.06         | 1.30          | 17.78         | 6.72          | <b>MP</b> |
| 47 | <i>Sellaphora bacillum</i>          |              |               |               |               | 1.41         | 1.72          |               |               | <b>MP</b> |
| 48 | <i>Sellaphora</i> sp.               |              |               |               |               | 0.43         | 0.52          |               |               | <b>MP</b> |
| 49 | <i>Stephanocyclus meneghinianus</i> |              |               |               |               | 11.63        | 14.20         | 2.59          | 0.98          | <b>C</b>  |
| 50 | <i>Ulnaria capitata</i>             |              |               |               |               |              |               | 4.32          | 1.64          | <b>MP</b> |
| 51 | <i>Ulnaria ulna</i>                 |              |               | 0.10          | 0.03          | 1.01         | 1.23          |               |               | <b>MP</b> |
| 52 | <i>Tribonema</i> sp.                |              |               |               |               | 3.62         | 4.41          |               |               | <b>T</b>  |
| 53 | <i>Cryptoglana skujae</i>           |              |               | 0.05          | 0.02          |              |               |               |               | <b>W1</b> |
| 54 | <i>Euglena texta</i>                | 1.43         | 3.94          | 15.91         | 4.97          |              |               | 71.41         | 27.01         | <b>W1</b> |
| 55 | <i>Flexiglana variabilis</i>        | 0.07         | 0.19          | 0.07          | 0.02          |              |               |               |               | <b>W1</b> |
| 56 | <i>Lepocinclis acus</i>             | 0.09         | 0.26          |               |               |              |               |               |               | <b>W1</b> |
| 57 | <i>Lepocinclis ovum</i>             | 0.16         | 0.45          | 0.69          | 0.22          |              |               |               |               | <b>W1</b> |
| 58 | <i>Menoidium pellucidum</i>         |              |               |               |               |              |               | 0.80          | 0.30          | <b>W1</b> |
| 59 | <i>Monomorphina pyrum</i>           | 0.20         | 0.55          |               |               |              |               |               |               | <b>W1</b> |
| 60 | <i>Phacus orbicularis</i>           | 0.19         | 0.51          |               |               |              |               |               |               | <b>W1</b> |
| 61 | <i>Phacus triquetrus</i>            | 0.04         | 0.11          | 0.08          | 0.02          |              |               | 1.07          | 0.41          | <b>W1</b> |
| 62 | <i>Cryptomonas ovata</i>            | 0.42         | 1.16          |               |               |              |               |               |               | <b>Y</b>  |
|    | <b>Total Biomass (mg/L)</b>         | <b>36.36</b> | <b>100.00</b> | <b>320.21</b> | <b>100.00</b> | <b>81.90</b> | <b>100.00</b> | <b>264.35</b> | <b>100.00</b> |           |

### Dragoman RW

| No | Taxon (AlgaeBase)                | BM July (mg/L) | Rel. BM July (%) | BM Aug (mg/L) | Rel. BM Aug (%) | BM Sept (mg/L) | Rel. BM Sept (%) | BM Okt (mg/L) | Rel. BM Okt (%) | FG       |
|----|----------------------------------|----------------|------------------|---------------|-----------------|----------------|------------------|---------------|-----------------|----------|
| 1  | <i>Chromatium okenii</i>         | 0.68           | 28.53            |               |                 | 0.03           | 1.03             | 0.01          | 0.26            | <b>V</b> |
| 2  | <i>Thiospirillum jenense</i>     |                |                  | 0.09          | 4.94            | 0.06           | 1.91             |               |                 | <b>V</b> |
| 3  | <i>Aphanocapsa delicatissima</i> | 0.00           | 0.07             | 0.00          | 0.09            | 0.01           | 0.31             | 0.02          | 0.71            | <b>K</b> |

|    |                                     |      |       |      |       |      |       |      |       |            |
|----|-------------------------------------|------|-------|------|-------|------|-------|------|-------|------------|
| 4  | <i>Aphanocapsa holsatica</i>        |      |       |      |       | 0.06 | 1.85  | 0.10 | 3.49  | <b>K</b>   |
| 5  | <i>Aphanocapsa incerta</i>          |      |       | 0.17 | 9.04  |      |       |      |       | <b>K</b>   |
| 6  | <i>Aphanothece</i> sp.              | 0.00 | 0.06  |      |       |      |       |      |       | <b>K</b>   |
| 7  | <i>Coelosphaerium kuetzingianum</i> |      |       |      |       | 0.08 | 2.49  | 0.22 | 7.85  | <b>Lo</b>  |
| 8  | <i>Cyanodictyon</i> sp.             | 0.00 | 0.07  | 0.00 | 0.17  |      |       |      |       | <b>K</b>   |
| 9  | <i>Komvophoron</i> sp.              |      |       | 0.02 | 1.29  |      |       |      |       | <b>S1</b>  |
| 10 | <i>Oscillatoria</i> sp.             |      |       |      |       | 0.06 | 1.83  |      |       | <b>TC</b>  |
| 11 | <i>Planktolyngbya limnetica</i>     | 0.10 | 4.03  | 0.01 | 0.31  | 0.10 | 3.05  | 0.28 | 9.94  | <b>S1</b>  |
| 12 | <i>Snowella lacustris</i>           |      |       | 0.01 | 0.35  | 0.01 | 0.41  | 0.00 | 0.09  | <b>Lo</b>  |
| 13 | <i>Tenebriella curviceps</i>        |      |       |      |       |      |       | 0.59 | 20.76 | <b>TC</b>  |
| 14 | <i>Woronichinia compacta</i>        | 1.10 | 46.05 |      |       | 0.24 | 7.37  | 0.34 | 11.82 | <b>Lo</b>  |
| 15 | <i>Ankistrodesmus fusiformis</i>    |      |       |      |       | 0.01 | 0.35  |      |       | <b>X1</b>  |
| 16 | <i>Chlamydomonas</i> sp.            |      |       | 0.01 | 0.31  |      |       |      |       | <b>X2</b>  |
| 17 | <i>Pandorina morum</i>              | 0.07 | 2.76  |      |       |      |       |      |       | <b>G</b>   |
| 18 | <i>Phacotus lenticularis</i>        |      |       |      |       | 0.11 | 3.28  | 0.03 | 1.03  | <b>YPh</b> |
| 19 | <i>Pteromonas</i> sp.               |      |       | 0.01 | 0.79  |      |       |      |       | <b>X2</b>  |
| 20 | <i>Scenedesmus ecornis</i>          |      |       |      |       | 0.01 | 0.20  |      |       | <b>J</b>   |
| 21 | <i>Achnantheidium</i> sp.           |      |       | 0.03 | 1.58  | 0.22 | 6.88  | 0.03 | 1.09  | <b>MP</b>  |
| 22 | <i>Amphora</i> sp.                  |      |       |      |       | 0.06 | 1.90  | 0.00 | 0.15  | <b>MP</b>  |
| 23 | <i>Cocconeis placentula</i>         |      |       | 0.14 | 7.45  | 0.93 | 28.76 | 0.13 | 4.46  | <b>MP</b>  |
| 24 | <i>Cymbella</i> sp.                 |      |       |      |       | 0.23 | 7.18  | 0.03 | 1.13  | <b>MP</b>  |
| 25 | <i>Diatoma vulgare</i>              |      |       | 0.05 | 2.57  | 0.10 | 2.98  | 0.16 | 5.62  | <b>MP</b>  |
| 26 | <i>Epithemia adnata</i>             |      |       | 0.23 | 11.97 |      |       |      |       | <b>MP</b>  |
| 27 | <i>Eunotia</i> sp.                  |      |       |      |       | 0.11 | 3.24  |      |       | <b>MP</b>  |
| 28 | <i>Gogorevia exilis</i>             |      |       |      |       | 0.08 | 2.36  |      |       | <b>MP</b>  |
| 29 | <i>Gomphonella olivacea</i>         |      |       | 0.05 | 2.66  | 0.07 | 2.05  | 0.03 | 0.97  | <b>MP</b>  |
| 30 | <i>Gomphonema parvulum</i>          |      |       |      |       |      |       | 0.11 | 3.87  | <b>MP</b>  |

|    |                               |             |               |             |               |             |               |             |               |           |
|----|-------------------------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-----------|
| 31 | <i>Lemnicola hungarica</i>    |             |               | 0.04        | 2.36          | 0.41        | 12.62         | 0.01        | 0.43          | <b>MP</b> |
| 32 | <i>Euglena</i> sp.            |             |               | 0.16        | 8.50          | 0.04        | 1.16          | 0.48        | 16.81         | <b>W1</b> |
| 33 | <i>Lepocinclis acus</i>       |             |               | 0.03        | 1.42          | 0.08        | 2.46          | 0.12        | 4.13          | <b>W1</b> |
| 34 | <i>Monomorphina pyrum</i>     | 0.01        | 0.51          |             |               |             |               |             |               | <b>W1</b> |
| 35 | <i>Phacus oscillans</i>       |             |               |             |               | 0.00        | 0.09          |             |               | <b>W1</b> |
| 36 | <i>Phacus</i> sp.             | 0.05        | 1.97          |             |               |             |               |             |               | <b>W1</b> |
| 37 | <i>Rhabdomonas incurva</i>    |             |               | 0.02        | 0.85          | 0.02        | 0.65          | 0.01        | 0.41          | <b>W1</b> |
| 38 | <i>Gymnodinium</i> sp.        |             |               | 0.42        | 22.37         | 0.05        | 1.69          |             |               | <b>Y</b>  |
| 39 | <i>Cryptomonas obovata</i>    |             |               |             |               |             |               | 0.10        | 3.48          | <b>Y</b>  |
| 40 | <i>Cryptomonas</i> sp.        | 0.12        | 4.80          | 0.36        | 18.91         | 0.03        | 0.94          |             |               | <b>Y</b>  |
| 41 | Cryptomonadales. unidentified | 0.27        | 11.15         |             |               |             |               |             |               | <b>Y</b>  |
| 42 | <i>Komma caudata</i>          |             |               | 0.04        | 2.07          | 0.03        | 0.96          | 0.04        | 1.50          | <b>X2</b> |
|    | <b>Total Biomass (mg/L)</b>   | <b>2.39</b> | <b>100.00</b> | <b>1.88</b> | <b>100.00</b> | <b>3.25</b> | <b>100.00</b> | <b>2.86</b> | <b>100.00</b> |           |