

Appendix C: Benthic Algae Data

| Appendix C. Periphyton ID and count for White River at Wakara (collected July 19, 2016). | |
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| | cells/mm ² |
| CYANOPHYTA (cyanobacteria, blue-green algae) | |
| <i>Calothrix</i> sp. | 204.48 |
| <i>Clastidium</i> sp. | 56.82 |
| <i>Homoeothrix janthina</i> | 151.52 |
| <i>Phormidium formosum</i> | 159.04 |
| <i>Pseudanabaena</i> sp. | 454.56 |
| BACILLARIOPHYTA (diatoms) | |
| <i>Achnanthydium pyrenaicum</i> | 89.43 |
| <i>Amphora pediculus</i> | 89.43 |
| <i>Cocconeis pediculus</i> | 105.69 |
| <i>Cocconeis placentula</i> var. <i>euglypta</i> | 80.43 |
| <i>Cymatopleura elliptica</i> | 0.36 |
| <i>Cymatopleura solea</i> | 0.06 |
| <i>Cymbella subhelvetica</i> | 16.26 |
| <i>Cymbella subturgidula</i> | 32.52 |
| <i>Diatoma moniliformis</i> | 227.64 |
| <i>Diatoma tenuis</i> | 8.13 |
| <i>Diatoma vulgare</i> | 300.81 |
| <i>Didymosphenia geminata</i> | 0.24 |
| <i>Diploneis oculata</i> | 8.13 |
| <i>Encyonema minutum</i> | 162.60 |
| <i>Encyonema reichardtii</i> | 8.13 |
| <i>Encyonema silesiacum</i> | 81.30 |
| <i>Encyonema ventricosum</i> | 8.13 |
| <i>Epithemia sorex</i> | 32.52 |
| <i>Epithemia turgida</i> | 0.12 |
| <i>Fragilaria vaucheriae</i> | 24.39 |
| <i>Gomphoneis minuta</i> | 0.12 |
| <i>Gomphonema olivaceoides</i> | 48.78 |
| <i>Gomphonema pumilum</i> | 8.13 |
| <i>Gyrosigma attenuatum</i> | 0.72 |
| <i>Navicula capitatoradiata</i> | 8.13 |
| <i>Navicula cryptotenella</i> | 73.17 |
| <i>Navicula gregaria</i> | 2.03 |
| <i>Navicula reichardtiana</i> | 24.39 |
| <i>Navicula</i> sp. | 8.13 |
| <i>Navicula tripunctata</i> | 138.21 |
| <i>Nitzschia dissipata</i> | 8.13 |
| <i>Nitzschia pura</i> | 65.04 |
| <i>Planothidium dubium</i> | 32.52 |
| <i>Planothidium lanceolatum</i> | 16.26 |
| <i>Psammothidium subatomoides</i> | 24.39 |
| <i>Reimeria uniseriata</i> | 32.52 |
| <i>Rhopalodia gibba</i> | 0.12 |
| <i>Rhoicosphenia abbreviata</i> | 8.13 |
| <i>Staurosirella leptostauron</i> | 89.43 |
| <i>Staurosirella pinnata</i> | 121.95 |
| <i>Stephanocyclus meneghiniana</i> | 8.13 |
| <i>Synedra ulna</i> | 56.91 |
| CHLOROPHYTA (green algae) | |
| <i>Cladophora glomerata</i> | 34.32 |
| <i>Ulothrix zonata</i> | 3.12 |
| TOTAL DENSITY (cells/square millimeter) | 3115.52 |

Note: Cell sizes vary greatly among algae species. High cell counts do NOT equate to high biomass.