

Electronic supplementary material, Table 1 The geographic coordinates of individual sampling sites.

Pool - Site within pool	Geographic coordinates
Swamp Nature Reserve	
1-1	50.57583° N, 14.67102° E
1-2	50.57589° N, 14.67093° E
1-3	50.57594° N, 14.67098° E
2-1	50.57604° N, 14.66999° E
2-2	50.57604° N, 14.66989° E
2-3	50.57592° N, 14.66985° E
3-1	50.57894° N, 14.66730° E
3-2	50.57907° N, 14.66721° E
3-3	50.57910° N, 14.66744° E
Na Čihadle Nature Reserve	
1-1	50.83292° N, 15.23148° E
1-2	50.83285° N, 15.23153° E
1-3	50.83284° N, 15.23145° E
2-1	50.83283° N, 15.23080° E
2-2	50.83279° N, 15.23081° E
2-3	50.83281° N, 15.23080° E
3-1	50.83333° N, 15.23065° E
3-2	50.83339° N, 15.23088° E
3-3	50.83335° N, 15.23100° E

Electronic supplementary material, Table 2 The list of desmid taxa found in the individual sampling sites during the investigation.

Locality	Swamp Nature Reserve									Na Čihadle Nature Reserve								
Pool - Site within pool	1-1	1-2	1-3	2-1	2-2	2-3	3-1	3-2	3-3	1-1	1-2	1-3	2-1	2-2	2-3	3-1	3-2	3-3
Taxon																		
<i>Actinotaenium cruciferum</i> (De Bary) Teiling		×								×		×	×	×	×	×	×	×
<i>Actinotaenium cucurbita</i> (Ralfs) Teiling	×	×	×	×	×	×		×	×	×	×	×	×	×	×	×	×	×
<i>Actinotaenium silvae-nigrae</i> (Rabanus) Kouwets et Coesel															×		×	×
<i>Closterium</i> cf. <i>abruptum</i> W. West		×																
<i>Closterium angustatum</i> Ralfs				×														
<i>Closterium attenuatum</i> Ralfs		×		×	×													
<i>Closterium baillyanum</i> (Ralfs) Bréb.	×	×	×	×	×	×	×											
<i>Closterium calosporum</i> Witttr.	×	×		×	×	×												
<i>Closterium costatum</i> Ralfs				×	×													
<i>Closterium dianae</i> Ralfs	×	×		×	×	×												
<i>Closterium directum</i> W. Archer													×	×	×	×	×	×
<i>Closterium gracile</i> Ralfs		×	×	×	×	×	×	×										
<i>Closterium juncidum</i> Ralfs		×	×	×	×	×	×	×	×									
<i>Closterium lineatum</i> Ralfs		×		×	×	×												
<i>Closterium lunula</i> Ralfs				×	×													
<i>Closterium</i> cf. <i>macilentum</i> Bréb.				×	×	×												
<i>Closterium navicula</i> (Bréb.) Lütkem.				×														
<i>Closterium parvulum</i> Nägeli				×		×												
<i>Closterium pronum</i> Bréb.																		×
<i>Closterium setaceum</i> Ralfs				×	×	×												
<i>Closterium striolatum</i> Ralfs	×	×	×	×		×	×	×	×	×	×	×	×	×	×	×	×	×
<i>Cosmarium amoenum</i> Ralfs		×	×	×														
<i>Cosmarium angulosum</i> Bréb.				×	×	×												
<i>Cosmarium blyttii</i> Wille		×		×	×	×												
<i>Cosmarium contractum</i> Kirchn.				×	×	×	×											
<i>Cosmarium difficile</i> Lütkem.					×	×												
<i>Cosmarium discrepans</i> Štastný et Kouwets		×	×	×		×												
<i>Cosmarium goniodes</i> var. <i>subturgidum</i> W. et G. S. West					×													
<i>Cosmarium margaritiferrum</i> Ralfs					×													
<i>Cosmarium messikommeri</i> Coesel				×	×	×												
<i>Cosmarium obsoletum</i> (Hantzsch) Reinsch		×	×	×	×	×												
<i>Cosmarium ordinatum</i> (Börges.) W. et G. S. West				×	×	×												
<i>Cosmarium ornatum</i> Ralfs				×	×	×												
<i>Cosmarium paragranatoides</i> Skuja				×														
<i>Cosmarium prominulum</i> var. <i>subundulatum</i> W. et G. S. West	×	×		×	×	×												
<i>Cosmarium pseudoornatum</i> B. Eichler et Gutw.				×	×	×												
<i>Cosmarium pseudopyramidatum</i> P. Lundell		×	×	×	×	×												
<i>Cosmarium</i> cf. <i>pseudoretusum</i> F. Duceil				×														
<i>Cosmarium pyramidatum</i> Ralfs		×		×	×	×												
<i>Cosmarium regnellii</i> Wille						×												
<i>Cosmarium sphagnicolum</i> W. et G. S. West		×	×			×				×					×	×		
<i>Cosmarium tinctum</i> Ralfs	×	×	×	×	×	×												
<i>Cosmarium</i> sp. 1		×		×														
<i>Cosmarium</i> sp. 2 (smaller <i>C. contractum</i>)				×	×													
<i>Cosmarium</i> sp. 3				×	×													
<i>Cylindrocystis brebissonii</i> De Bary		×	×				×	×	×	×	×	×	×	×	×	×	×	×
<i>Cylindrocystis crassa</i> De Bary											×							
<i>Cylindrocystis gracilis</i> I. Hirn		×								×	×	×	×	×	×	×	×	×
<i>Euastrum ansatum</i> Ralfs				×	×	×												
<i>Euastrum binale</i> Ralfs		×							×	×	×		×	×	×	×	×	×

<i>Euastrum denticulatum</i> F. Gay						x	x																			
<i>Euastrum elegans</i> Ralfs						x	x																			
<i>Euastrum gayanum</i> De Toni						x	x	x																		
<i>Euastrum humerosum</i> Ralfs						x	x																			
<i>Euastrum insigne</i> Ralfs													x	x	x	x			x	x		x	x	x	x	
<i>Euastrum oblongum</i> Ralfs						x																				
<i>Euastrum pectinatum</i> Ralfs						x	x			x	x															
<i>Euastrum pinnatum</i> Ralfs						x	x	x																		
<i>Euastrum verrucosum</i> Ralfs											x															
<i>Haplotaenium minutum</i> (Ralfs) Bando						x	x	x																		
<i>Haplotaenium rectum</i> (Delponte) Bando	x	x				x	x	x																		
<i>Mesotaenium endlicherianum</i> Nägeli																		x	x	x				x	x	
<i>Micrasterias jenneri</i> Ralfs	x	x								x	x	x														
<i>Micrasterias oscitans</i> Ralfs		x																								
<i>Micrasterias rotata</i> Ralfs		x						x	x																	
<i>Micrasterias thomasi</i> var. <i>notata</i> (Nordstedt) Grönblad		x						x	x																	
<i>Micrasterias truncata</i> Ralfs	x	x	x																							
<i>Netrium digitus</i> Itzigs. et Rothe		x	x	x									x	x	x	x	x	x	x		x	x	x	x	x	
<i>Netrium oblongum</i> (De Bary) Lütkem.		x															x	x	x				x	x		
<i>Penium cylindrus</i> Ralfs		x	x	x	x	x												x					x			
<i>Penium spirostriolatum</i> J. Barker								x																		
<i>Pleurotaenium ehrenbergii</i> (Ralfs) De Bary								x																		
<i>Staurastrum aculeatum</i> Ralfs						x	x	x																		
<i>Staurastrum hirsutum</i> Ralfs													x				x	x					x			
<i>Staurastrum hystrix</i> Ralfs						x	x	x																		
<i>Staurastrum inflexum</i> Bréb.			x			x	x																			
<i>Staurastrum micron</i> W. et G. S. West						x	x	x																		
<i>Staurastrum minimum</i> Coesel						x	x	x																		
<i>Staurastrum polymorphum</i> Ralfs				x		x	x	x																		
<i>Staurastrum punctulatum</i> Ralfs	x	x	x							x	x	x														
<i>Staurastrum scabrum</i> Ralfs	x	x																								
<i>Staurastrum simonyi</i> Heimerl	x	x	x	x	x	x				x	x															
<i>Staurastrum teliferum</i> Ralfs			x			x	x	x																		
<i>Staurastrum tetracerum</i> Ralfs						x	x																			
<i>Staurastrum</i> sp. 1						x																				
<i>Staurastrum</i> sp. 2								x																		
<i>Staurastrum</i> sp. 3																			x							
<i>Stauroidesmus dejectus</i> (Ralfs) Teiling			x			x	x	x																		
<i>Stauroidesmus extensus</i> (Borge) Teiling								x	x									x				x	x			
<i>Stauroidesmus incus</i> (Bréb.) Teiling	x	x	x	x	x	x	x											x					x			
<i>Tetmemorus brebissonii</i> Ralfs																										
<i>Tetmemorus granulatus</i> Ralfs	x	x	x	x	x	x	x	x	x	x								x	x							
<i>Tetmemorus laevis</i> Ralfs	x	x	x					x	x	x	x							x	x	x	x	x	x	x	x	
<i>Xanthidium antilopaeum</i> var. <i>laeve</i> Schmidle																						x	x			
<i>Xanthidium armatum</i> Ralfs	x	x	x	x	x	x				x	x							x	x	x	x	x	x	x	x	