

SUPPLEMENTARY Table 2

Biovolume ($\mu\text{m}^3\cdot\text{mL}^{-1}$) of different taxa as calculated, based upon cell counts obtained using bright field microscopy. Samples from technical replicates (n=3) of control water (0 mg·L⁻¹ HP) and treated water (2.5; 5.0; 10 mg·L⁻¹ HP) were collected 25 days after HP addition. Biovolumes are calculated using the values show in the last column.

TAXA	Control (0 mg·L ⁻¹ HP)			Treated (2.5 mg·L ⁻¹ HP)			Treated (5.0 mg·L ⁻¹ HP)			Treated (10 mg·L ⁻¹ HP)			Biovolume $\mu\text{m}^3\cdot\text{cell}^{-1}$
	1	2	3	1	2	3	1	2	3	1	2	3	
		279,894,10											
<i>Planktothrix agardhii</i>	90,726,545	9	88,372,364			64,106,182	68,814,545	46,929,709		25,284,818	4,119,818		49.8
CYANOBACTERIA-TOTAL	90,726,545	279894109	88,372,364			64,106,182	68,814,545	46,929,709		25,284,818	4,119,818		
<i>Actinastrum</i> sp.											154,545		212.5
<i>Chlorophyta > 5 μm cell</i>	2,273,684	1,841,311	3,399,344	65,544,828	42,442,105	2,549,508	46,231,579	302,400,000	59,684,211	223,714,286	166,628,571	346,344,828	216.0
<i>Chlorophyta > 5 μm colony</i>	757,895		566,557	3,031,579	16,673,684	1,982,951	23,494,737	3,031,579		13,263,158	22,164,846		216.0
<i>Chlorophyta 2-5 μm cell</i>	24,253		117,844	1,239,393	242,526	54,390	1,988,716	5,924,571	363,789	3,949,714	2,764,800	848,842	13.8
<i>Chlorophyta 2-5 μm colony</i>								388,042					13.8
<i>Closterium</i> sp.											45,455		500.0
<i>Closterium acutum</i>			363,636	1,090,909	3,636,364	6,545,455	1,000,000	2,909,091		795,455	818,182		500.0
<i>Closterium limneticum</i>			1,336,636	2,339,114	2,673,273	1,336,636	1,336,636	2,004,955		1,670,795	1,336,636		3675.8
<i>Coelastrum</i> sp.						580,155							110.6
<i>Crucigeniella apiculata</i>			194,329	2,079,663				2,079,663			2,942,920		74.1
<i>Desmodesmus</i> sp.	1,560,422	829,497	2,384,803	58,166,601	14,449,152	1,736,759	17,448,033	49,695,737	13,176,900	70,590,536	41,789,597	67,474,816	39.5
<i>Desmodesmus subspicatus</i>	105,263										264,813		40.0
<i>Dictyosphaerium</i> sp.					13,024,561				7,017,544	3368421	13,558,424		64.0
<i>Gloeotila</i> sp.											309,831		31.2
<i>Koliella</i> sp.										789,474			90.0
<i>Koliella longiseta</i>													198.8
<i>Monoraphidium</i> sp.	671,447	145,800	1,484,509	255,789		239,016	511,579	2,046,316		639,474	723,932	639,474	72.9
<i>Monoraphidium contortum</i>							127,263						36.3
<i>Mychonastes jurisii</i>			99,714				485,053	582,063				727,579	13.8
<i>Oocystis</i> sp.						394,737				3,947,368			112.5
<i>Pediastrum</i> sp.				146,724									201.7
<i>Pediastrum boryanum</i>							327,273			409,091	327,273		112.5
<i>Pediastrum duplex</i>				327,273				163,636		204,545			112.5
<i>Scenedesmus</i> sp.			207,374	3,328,901	832,225	51,844	1,664,451	1,109,634	693,521	4,161,126	3,533,032	3,467,605	39.5
<i>Tetrastrum</i> sp.									242,526				13.8
GREEN ALGAE-TOTAL	5,392,964	2,816,608	10,154,748	13,755,0774	94,368,628	15,076,713	94,615,319	372,335,287	81,178,491	327,503,443	257,362,858	419,503,143	

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TAXA	Control ($0 \text{ mg} \cdot \text{L}^{-1}$ HP)			Treated ($2.5 \text{ mg} \cdot \text{L}^{-1}$ HP)			Treated ($5 \text{ mg} \cdot \text{L}^{-1}$ HP)			Treated ($10 \text{ mg} \cdot \text{L}^{-1}$ HP)			Biovolume $\mu\text{m}^3 \text{ cell}^{-1}$
	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Achnanthydium minutissimum</i>	21,380	223,757	511,445	855,213	171,043	31,965		513,128	427,606				48.7
<i>Aulacoseira granulata</i>				66,273							66,273		729.0
<i>Chaetoceros</i> sp.								2768,032					98.6
<i>Cyclotella meneghiniana</i>								16,845,272		14,037,726	26,486,276		1,600.3
<i>Cymbella</i> sp.				21,553									118.5
<i>Fragilaria capucina</i>			481,745	270,982	843,055								331.2
<i>Navicula</i> sp < 25 μm					15,591								42.9
<i>Navicula</i> sp 25-50 μm				58,329									641.6
<i>Nitzschia</i> sp 25-50 μm	189,474	1,413,818	3,298,909		5,026,909	1,256,727	10610526	13,642,105	18,000,000	1,325,455	9,294,935	1,894,737	216.0
<i>Nitzschia</i> sp 50-100 μm	1,515,789	6,283,636	12,567,273	6,912,000	26,391,273	20,107,636	18189474	24,252,632	60,631,579	3,534,545	22,879,841		1,728.0
<i>Ulnaria</i> sp.		632,091	8,849,273	14,538,091	3,792,545	7,585,091	1896273						3,476.5
DIATOMS-TOTAL	1,726,643	8,553,303	25,708,645	22,722,440	36,240,415	28,981,420	30696273	58,021,168	79,059,185	18,897,726	58,727,325	1,894,737	
<i>Cryptomonas</i> sp. < 15 μm	663,576		550,165										1,513.0
<i>Euglenophyceae</i> < 25 μm						531,148				552,273	220,909		810.0
<i>Euglenophyceae</i> > 25 μm											336,764		1,852.2
<i>Phacus tortus</i>								574,021					3,157.1
<i>Phacus</i> > 25 μm													2,030.5
<i>Trachelomonas</i> sp.	229,652										1,733,223		523.6
OTHER-TOTAL	893,228		550,165			531,148		574,021		552,273	2,290,896		