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Supplementary Table S1. Pearson's correlation values of the major FCM phytoplankton groups against water chemistry parameters over the course of a year. *P*-values in bold are significant ($P < 0.05$)

		G1	G2	G3	G4	G5	G6	G7	G8	G9	G10
Temp	r	0.16	0.48	0.35	0.66	0.57	0.59	0.55	0.55	0.51	0.37
	sig	0.2693	**0.0004**	**0.0116**	**0**	**0**	**0**	**0**	**0**	**0.0002**	**0.008**
	n	50	50	50	50	50	50	50	50	50	50
pH	r	0.65	0.14	0.04	-0.31	0.1	0.28	-0.27	-0.03	-0.31	-0.11
	sig	**0**	0.3352	0.7544	**0.0245**	0.4665	0.0484	0.0515	0.8175	**0.0236**	0.4578
	n	52	52	52	52	52	52	52	52	52	52
SRP	r	-0.66	-0.21	0	0.37	-0.04	-0.26	0.4	0	0.27	0.01
	sig	**0**	0.1343	0.9806	**0.0064**	0.765	0.0605	**0.0033**	0.9932	0.0511	0.9331
	n	52	52	52	52	52	52	52	52	52	52
TDP	r	-0.65	-0.17	0.05	0.38	0.01	-0.26	0.43	0	0.24	0.01
	sig	**0**	0.2175	0.7319	**0.0059**	0.9643	0.0669	**0.0016**	0.9937	0.0813	0.9413
	n	52	52	52	52	52	52	52	52	52	52
TP	r	-0.48	-0.18	0.02	0.34	-0.03	-0.14	0.4	0.05	0.23	0.02
	sig	**0.0005**	0.2214	0.8687	**0.0185**	0.8249	0.3499	**0.0044**	0.7205	0.1135	0.8889
	n	49	49	49	49	49	49	49	49	49	49
NH4	r	-0.35	-0.34	-0.18	-0.07	-0.39	-0.23	-0.03	-0.21	-0.01	-0.04
	sig	**0.0115**	**0.0146**	0.2148	0.6282	**0.0045**	0.0975	0.8183	0.1475	0.9244	0.7596
	n	51	51	51	51	51	51	51	51	51	51
Si	r	-0.76	-0.25	-0.01	0.38	-0.06	-0.31	0.39	0.01	0.31	0.08
	sig	**0**	0.0799	0.9308	**0.0058**	0.6804	**0.0282**	**0.0044**	0.926	**0.0247**	0.5616
	n	51	51	51	51	51	51	51	51	51	51
CHL.A	r	0.98	0.35	0.14	-0.18	0.2	0.58	-0.13	0.27	-0.11	0
	sig	**0**	**0.0098**	0.3273	0.1908	0.1508	**0**	0.3533	0.0549	0.4172	0.9756
	n	52	52	52	52	52	52	52	52	52	52
NO2	r	-0.03	-0.13	-0.2	-0.24	-0.24	-0.16	-0.16	-0.18	-0.14	-0.21
	sig	0.8328	0.3847	0.1834	0.1036	0.1059	0.2795	0.286	0.2293	0.3522	0.152
	n	48	48	48	48	48	48	48	48	48	48
NO3	r	-0.39	-0.36	-0.22	-0.46	-0.39	-0.7	-0.24	-0.6	-0.47	-0.56
	sig	**0.0062**	**0.0111**	0.1294	**0.0009**	**0.0065**	**0**	0.0934	**0**	**0.0008**	**0**
	n	48	48	48	48	48	48	48	48	48	48