

Table S1. Sampling stations and concentration of phytoplankton cells in the photic zone (1-25 m) of South Baikal in 2018-2019

St. No.	Station title	Coordinates	Depth, m	Microalgae cell concentration in photic zone (10 ³ cells/L)											
				Spring 2018 25.05–28.05		Summer 2018 01.08–03.08		Autumn 2018 17.09–27.09		Spring 2019 29.0531.05		*Summer 2019 27.0707.08		Autumn 2019 17.09–19.09	
				Total	<i>F. radians</i>	Total	<i>F. radians</i>	Total	<i>F. radians</i>	Total	<i>F. radians</i>	Total	<i>F. radians</i>	Total	<i>F. radians</i>
1	12 km from Kultuk	51 °40.578; 103 °52.309	1253	518±156	435±114	221±10	0	59±10	0	151±14	0.5±0	306±2	80±15	133±84	0
2	3 km from Marituy	51 °45.546; 104 °13.222	1340	388±13	288±13	278±121	0	32±7	0.43±0.6	1170±72	0	-	-	78±30	0
2*	7 km from Marituy	51 °43.389; 104 °13.372	1340	-	-	-	-	-	-	-	-	558±97	428±95	-	-
3	Marituy-Solzan	51 °38.710; 104 °13.715	1258	681±8	420±5	397±38	0	23±0	0	1350±36	0	190±2	39±9	84±29	0.43±0.6
4	3 km from Solzan	51 °31.428; 104 °14.417	256	633±52	492±48	269±72	0	36±8	0	1667±10	0	243±1	7±4	49±19	0
5	Tolsty-Snezhnaya	51 °36.402; 104 °44.147	1118	397±7	154±6	207±14	0	40±4	0	124±4	8.1±0.7	357±22	21±2	36±3	0
6	3 km from Listvyanka	51 °49.033; 104 °54.616	1338	245±35	86±40	125±7	0	16±8	0	66±15	1.8±0.8	318±120	1±0	114±101	0.20±0.3
7	Listvyanka-Tankhoy	51 °42.262; 105 °00.720	1425	133±23	46±9	104±9	0	11±1	0	45±14	2.3±0.6	364±67	5±2	175±110	0.41±0.6
8	3 km from Tankhoy	51 °35.440; 105 °06.968	675	446±1	317±21	729±104	0.95±0.35	13±6	0.74±1.0	235±17	5.2±0	363±85	58±1	46±8	0
9	Kadilny-Mishikha	51 °46.731; 105 °22.528	1436	191±24	30±5	202±12	0	39±7	0	116±31	3.6±0.4	488±69	14±15	115±9	0