

Influence of submarine topography and sediment environment on microbial assemblages in a coastal lagoon in northeastern Japan

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Supplemental Table 1 The values of various parameters in sediments

Station	East Longitude	North latitude	Parameters											
			DO (mg/L)	ORP (mV)	Md	AVS (mg/g)	IL (%)	TOC (mgC/g)	TN (mgN/g)	TP (mgP/g)	Chl <i>a</i>	C/N	δ 13C (‰)	δ 15N (‰)
A	141.4646	38.57538	5.7	197	32.3	0.01	31.6	0.8	0.1	0.2	1.0	7.4	-22.6	3.8
A1	141.4659	38.56978	6.7	210	56.5	0.01	28.4	1.0	0.1	0.3	1.1	7.4	-23.7	4.1
B	141.4674	38.56658	6.1	218	51.7	0.01	30.5	1.3	0.2	0.2	0.6	7.5	-22.9	3.8
D	141.4602	38.55743	6.2	219	30.0	0.01	22.8	0.3	0.0	0.2	0.01	7.2	-21.6	4.7
K	141.4629	38.55513	6.8	222	27.7	0.01	30.2	2.9	0.3	0.3	3.6	9.0	-23.5	4.3
L	141.4668	38.5496	6.1	221	15.9	0.14	43.5	7.6	0.6	0.3	4.0	12.5	-23.3	4.7
M	141.4586	38.55013	6.1	230	12.5	0.01	46.3	5.9	0.6	0.4	2.8	9.7	-21.1	4.9
N	141.4676	38.54725	7.4	229	21.3	0.01	64.8	16.2	1.2	0.5	1.9	13.9	-23.3	4.5
13	141.458	38.56302	7.8	236	40.3	0.01	44.1	6.2	0.6	0.4	2.3	9.9	-24.6	4.7
14	141.4618	38.55143	8.8	231	13.5	0.01	51.5	9.0	0.9	0.5	2.7	10.4	-23.8	4.2
15	141.4586	38.54495	7	257	14.0	6.45	87.9	33.1	3.9	0.8	3.0	8.4	-23.3	4.0
16	141.4587	38.54277	5.7	259	15.4	12.5	88.4	28.5	3.6	0.9	1.7	8.0	-23.5	4.3
1	141.4647	38.5653	6.1	265	13.8	0.01	26.9	0.7	0.1	0.2	0.4	6.5	-23.3	4.4
N1	141.4616	38.5534	5.8	265	12.9	0.01	38.4	3.0	0.3	0.3	3.2	8.9	-21.6	5.0
N2	141.4645	38.55317	7.3	259	14.7	0.04	35.6	5.3	0.6	0.3	2.3	8.2	-24.5	3.8
N3	141.4667	38.55153	6.3	259	15.9	0.25	43.9	9.1	0.6	0.3	3.6	15.2	-24.4	4.1
N4	141.4649	38.55143	0.5	230	7.4	0.01	44.1	5.4	0.6	0.4	3.6	9.5	-22.6	3.4
N7	141.4586	38.54927	1.7	294	10.3	6.89	80.3	28.5	3.4	1.0	1.9	8.3	-23.5	4.4
N8	141.4617	38.54938	6.4	270	12.9	1.14	72.8	23.1	2.3	0.8	3.4	10.0	-24.6	4.0
N9	141.4648	38.54952	6.9	254	18.0	0.3	54.4	16.3	1.5	0.6	2.4	10.8	-24.4	4.3
N12	141.4648	38.54717	0	-256	7.8	6.21	76.8	27.6	3.3	0.8	1.8	8.2	-22.8	4.4
N13	141.4618	38.54732	0.1	-78	7.7	6.63	70.6	29.2	3.5	0.9	3.7	8.3	-23.7	5.1
N14	141.4586	38.54722	1	14.4	8.3	7.15	82.8	28.5	3.5	1.0	2.6	8.2	-23.9	4.6
N16	141.4564	38.54363	5.9	178	18.2	2.21	90	30.3	3.6	0.7	1.9	8.4	-22.8	4.3
N17	141.4588	38.54093	0	-231	7.9	1.35	71.3	46.2	4.7	1.2	1.1	9.9	-24.1	4.0
N18	141.4618	38.54507	0	-221	7.9	5.34	71.1	33.8	4.1	0.8	4.6	8.2	-23.1	4.6
N19	141.4662	38.54537	5.4	177	8.1	3.54	82.4	32.3	4.0	0.8	2.3	8.1	-22.2	4.6
N20	141.4671	38.54393	0	-263	8.7	0.02	70.4	30.9	2.7	0.7	3.4	11.2	-23.4	4.3
N31	141.465	38.56195	6.8	157	15.6	0.01	26.2	0.5	0.1	0.2	0.2	6.3	-23.0	3.1
N32	141.4616	38.56353	0.1	-237	8.3	0.01	36.3	2.9	0.3	0.3	2.2	8.7	-24.5	5.4
N33	141.4585	38.55933	5.6	-107	11.1	0.01	34.1	2.4	0.3	0.2	1.9	8.8	-23.2	4.1
Items														
Min.			0	-263	7.4	0.01	22.8	0.3	0.04	0.16	0.01	6.3	-24.6	3.1
Max			8.8	294	56.5	12.5	90	46.2	4.7	1.2	4.6	15.2	-21.1	5.4
Mean			4.7	128	17.6	1.9	54.1	15.1	1.7	0.5	2.3	9.1	-23.3	4.3
Reference			Figure 3a	Figure 3b	Figure 3c	Figure 3d	Figure 3e	Figure 3f	Figure 3g	Figure 3h	Figure 3i	Figure 3j	Figure 3k	Figure 3l

AVS of <0.01 was set at 0.01.