

Table S1. Lake water physical, chemical and isotopic data.

Sample ID	Depth (cm)	pH	EC (mS/cm)	Eh (mV)	DO (mg/L)	Temp. (°C)	TOC (mg/L)	DIC (umol/L)	δD (‰)	δ ¹⁸ O (‰)
N72B	0	2.77	2.21	538	8.36	20.6	2.86	239.4	-44.426	-5.785
N73B	25	2.74	2.16	541	8.35	20.6	1.80	236.0	-43.623	-5.474
N74B	50	2.74	2.15	543	8.42	20.4	1.69	139.0	-43.639	-5.193
N75B	75	2.74	2.16	541	8.42	20.2	2.30	268.1	-44.570	-5.232
N76B	100	2.74	2.16	539	8.42	20.1	1.50	226.0	-43.667	-5.062
N77B	125	2.74	2.15	541	8.42	20.4	1.35	240.4	-42.868	-5.111
N78B	150	2.84	2.16	541	8.41	20.1	1.76	215.7	-43.099	-4.947
N79B	175	2.83	2.15	540	8.42	20.3	2.10	134.7	-43.993	-5.156
N80B	200	2.81	2.16	541	8.42	20.1	2.78	126.5	-42.973	-4.887
N81B	225	2.81	2.15	541	8.37	20.3	2.37	149.9	-44.627	-5.444
N82B	250	2.80	2.16	540	8.38	20.1	1.71	155.6	-44.080	-5.148
N83B	275	2.80	2.15	541	8.43	20.3	1.82	142.1	-43.571	-5.102
N84B	300	2.80	2.15	540	8.42	20.2	1.52	137.1	-43.869	-4.872
N85B	325	2.79	2.15	540	8.41	20.3	1.66	135.9	-42.345	-4.800
N86B	350	2.79	2.15	539	8.38	20.1	1.76	140.3	-42.023	-4.512
N87B	375	2.79	2.15	535	8.31	20.3	1.39	159.0	-42.636	-4.431
N88B	400	2.88	2.13	439	5.15	19.2	1.87	782.1	-44.839	-4.837
N89B	425	2.95	2.18	410	5.04	18.7	3.52	2247.5	-47.830	-5.253
N90B	450	5.04	2.53	200	1.68	15.2	4.38	4210.0	-58.829	-7.326
N91B	475	5.35	2.58	173	1.43	14.3	3.58	4995.3	-61.304	-7.626
N92B	500	5.50	2.68	202	1.57	13.7	3.63	4588.0	-61.740	-7.830
N93B	525	5.57	2.71	177	1.15	13.1	4.55	5775.4	-61.837	-7.982
N94B	550	5.66	2.9	215	1.03	12.2	5.59	5268.9	-62.710	-8.206
N95B	575	5.75	2.94	187	0.95	11.8	3.98	6933.7	-62.417	-8.353
S96B	0	2.91	2.16	539	8.34	20.2	2.58	168.6	-42.064	-5.065
S97B	25	3.01	2.16	542	8.33	20.1	4.10	156.8	-41.008	-4.772
S98B	50	3.03	2.14	539	8.38	20.1	3.33	130.6	-41.430	-4.718
S99B	75	3.04	2.14	540	8.36	20	2.87	138.4	-42.041	-4.659
S100B	100	3.15	2.14	541	8.36	20	3.51	130.6	-41.603	-4.745
S101B	125	3.14	2.14	540	8.35	20	2.42	128.4	-41.263	-4.507
S102B	150	3.09	2.14	540	8.37	20	3.28	131.2	-41.702	-4.461
S103B	175	3.09	2.14	540	8.36	20.1	2.27	138.7	-41.712	-4.441
S104B	200	3.08	2.14	539	8.36	20	3.31	138.4	-42.000	-4.352
S105B	225	3.07	2.14	541	8.36	20	3.33	118.1	-41.161	-4.308
S106B	250	3.06	2.15	540	8.38	20	1.66	129.7	-41.157	-4.361
S107B	275	3.06	2.14	540	8.39	20	2.52	132.2	-41.541	-4.304
S108B	300	3.04	2.15	539	8.39	20	4.10	143.4	-40.889	-4.309
S109B	325	3.04	2.14	540	8.37	20	4.39	135.0	-41.100	-4.201
S110B	350	3.01	2.13	533	7.97	19.7	1.19	179.6	-41.716	-4.555
S111B	375	3.00	2.13	533	7.93	20	1.14	175.5	-41.057	-4.405
S112B	400	3.06	2.06	462	2.31	17.8	7.07	1186.6	-47.732	-5.450
S113B	425	3.06	2.06	453	2.12	16.1	6.01	1020.1	-48.654	-5.641
S114B	450	2.98	2.05	439	1.67	16	7.75	1396.8	-50.838	-6.056
S115B	475	2.91	2.06	440	1.51	15.3	6.19	1222.8	-50.912	-6.286
S116B	500	2.73	2.06	430	1.22	15.2	6.62	1344.4	-53.267	-6.347
S117B	525	2.71	2.05	422	1.11	15.2	6.43	1361.3	-52.840	-6.458

Table S1. (continued... Lake water physical, chemical and isotopic data.)

Sample ID	Depth (cm)	Ca	Mg	Na	K	Fe ^{II}	Fe ^{III}	Fe _{total}	Al	Mn	Si	SO ₄	Cl	NO ₃
(μmol/L)														
N72B	0	4384.4	1321.9	395.7	199.6	121.0	1468.8	1589.7	-	-	-	8034.9	759.7	33.3
N73B	25	4370.5	1351.9	399.1	200.0	119.0	1462.9	1581.9	-	-	-	8148.5	672.7	34.6
N74B	50	4519.0	1343.4	400.9	187.6	86.7	1467.8	1554.5	-	-	-	8091.7	635.2	33.3
N75B	75	4493.5	1343.4	398.7	183.6	102.3	1476.6	1579.0	-	-	-	8034.9	648.6	33.3
N76B	100	4475.6	1336.4	394.3	178.4	93.5	1482.5	1576.2	-	-	-	7978.1	704.9	30.7
N77B	125	4573.6	1326.4	388.9	178.1	86.7	1489.3	1576.6	-	-	-	7978.1	581.7	28.0
N78B	150	4555.1	1326.4	390.8	183.4	94.5	1480.5	1575.1	-	-	-	7921.3	715.6	50.5
N79B	175	4563.7	1305.2	393.8	185.0	85.7	1490.3	1576.0	-	-	-	7978.1	600.4	61.1
N80B	200	4574.9	1322.2	393.8	182.6	96.5	1488.4	1584.8	-	-	-	7921.3	564.7	26.7
N81B	225	4562.5	1330.7	394.3	180.2	94.5	1482.5	1577.0	-	-	-	8034.9	629.9	25.4
N82B	250	4539.4	1330.7	399.6	186.3	97.5	1475.6	1573.1	-	-	-	8091.7	637.9	26.7
N83B	275	4547.6	1334.9	401.8	183.9	99.4	1475.6	1575.0	-	-	-	7978.1	611.1	29.3
N84B	300	4635.8	1343.4	407.2	189.7	97.5	1484.4	1581.9	-	-	-	7978.1	629.9	30.7
N85B	325	4683.1	1347.6	405.2	185.2	97.5	1479.6	1577.4	-	-	-	8091.7	597.7	32.0
N86B	350	4675.2	1347.6	406.7	188.9	106.3	1475.6	1581.9	-	-	-	8034.9	654.0	34.6
N87B	375	4672.9	1339.1	405.4	182.6	104.3	1464.9	1569.2	-	-	-	7864.5	640.6	78.2
N88B	400	4669.1	1508.7	410.3	163.8	3833.6	1509.9	5343.6	-	-	-	8432.5	560.2	98.7
N89B	425	4625.4	1517.1	398.3	171.5	8060.5	1702.4	9763.0	-	-	-	9227.8	501.3	26.7
N90B	450	4737.9	1563.8	397.4	177.0	7711.2	1791.9	9503.1	-	-	-	15022.1	295.0	47.9
N91B	475	4728.1	1525.6	401.2	174.7	8522.0	1756.7	10278.7	-	-	-	15987.8	345.0	45.2
N92B	500	4735.2	1568.0	400.1	175.5	9068.4	1592.2	10660.5	-	-	-	16839.9	297.7	46.5
N93B	525	4746.3	1559.5	400.9	170.6	9644.1	1363.0	11007.2	-	-	-	16044.6	311.1	45.2
N94B	550	4732.4	1569.5	411.9	170.3	10548.9	1192.7	11741.6	-	-	-	18203.2	308.4	63.7
N95B	575	4739.8	1580.3	411.0	169.7	11612.3	1045.8	12658.1	230.5	65.87	497.8	17237.5	268.2	149.2
S96B	0	4291.6	1312.5	392.8	201.8	185.6	1468.8	1654.4	278.7	53.51	502.0	8318.9	627.2	21.4
S97B	25	4286.7	1317.5	394.1	184.2	119.0	1476.6	1595.6	281.7	52.97	502.0	7750.9	686.1	26.7
S98B	50	4416.4	1311.3	391.9	182.1	111.2	1488.4	1599.5	280.9	53.70	502.0	7978.1	664.7	29.3
S99B	75	4441.3	1304.3	389.7	177.2	114.1	1484.4	1598.5	278.3	53.51	502.0	8034.9	619.2	24.0
S100B	100	4452.1	1297.5	385.4	173.2	119.0	1481.5	1600.5	274.9	52.90	501.4	8034.9	691.9	22.7
S101B	125	4466.3	1282.8	380.2	172.9	113.1	1493.3	1606.4	273.5	53.88	498.5	7580.4	643.3	26.7
S102B	150	4456.3	1287.8	378.0	178.0	115.1	1481.5	1596.6	273.9	54.06	502.0	8148.5	654.0	32.0
S103B	175	4416.4	1267.2	374.9	171.6	103.3	1489.3	1592.7	268.7	52.97	491.4	7750.9	707.6	28.0
S104B	200	4496.1	1283.7	385.0	177.2	102.3	1490.3	1592.7	275.0	52.42	494.9	7864.5	635.2	25.4
S105B	225	4501.1	1291.9	385.4	174.9	101.4	1496.2	1597.6	276.5	52.79	494.9	8091.7	640.6	21.4
S106B	250	4494.1	1294.9	390.6	180.8	107.2	1477.6	1584.8	278.3	51.69	494.9	8994.9	646.0	16.1
S107B	275	4391.4	1296.0	392.8	178.5	97.5	1498.2	1595.6	279.8	52.97	502.0	8205.3	643.3	20.1
S108B	300	4317.0	1304.3	398.0	184.2	100.4	1495.2	1595.6	283.5	52.79	505.6	8091.7	624.5	43.9
S109B	325	4341.5	1306.4	400.6	179.8	99.4	1497.2	1596.6	285.7	52.42	505.6	7864.5	664.7	26.7
S110B	350	4366.5	1314.4	397.6	183.4	119.0	1492.3	1611.3	280.2	52.79	502.0	8148.5	656.7	30.7
S111B	375	4541.1	1306.1	396.3	177.2	661.1	1565.7	2226.8	275.7	51.69	494.9	9777.6	600.4	32.0
S112B	400	4566.1	1464.7	390.6	179.0	1101.7	1639.2	2740.9	209.8	54.97	484.2	8546.2	509.3	25.4
S113B	425	4568.1	1472.9	389.3	176.5	1272.1	1568.7	2840.8	204.6	54.97	484.2	8773.4	463.8	16.1
S114B	450	4591.0	1518.2	385.8	179.8	1994.7	1327.8	3322.5	179.4	56.25	477.1	8659.8	455.7	21.4
S115B	475	4566.1	1481.2	382.5	169.6	2065.2	1227.9	3293.1	172.7	56.79	466.4	8773.4	445.0	14.8
S116B	500	4591.0	1522.3	388.4	170.4	1330.8	1351.0	2681.9	162.0	57.16	470.0	9000.6	404.8	13.4
S117B	525	4616.0	1514.1	398.9	165.7	2658.6	740.3	3398.9	163.4	56.79	470.0	9171.0	404.8	15.1

Table S2. Trace and rare earth elements in lake water.

Sample	Depth	Sr	As	Ba	Ce	Cr	Co	Cu	Dy	Gd	La	Li	Nd	Ni	Pb	Pr	Rb	Sm	U	V	Zn
ID	(cm)	(µg/L)																			
S105B	225	3520.0	12.9	41.8	15.2	1.6	38.2	1.8	1.8	2.0	7.0	82.3	2.0	143.0	3.1	1.2	57.7	1.8	1.0	0.8	719.2
N88B	400	1710.4	5.1	29.5	30.9	6.3	41.4	12.7	1.9	2.3	14.7	79.6	12.1	94.9	6.3	3.0	50.9	2.1	1.6	2.1	459.7
N90B	450	1385.6	2.3	42.8	12.6	4.6	23.2	5.8	1.5	1.5	6.4	52.0	4.6	65.7	5.4	1.1	41.0	1.5	1.3	1.2	591.0
S117B	525	1824.6	11.4	31.2	53.5	15.3	101.7	21.4	6.5	8.0	52.4	131.0	42.9	341.8	25.7	11.1	75.4	7.1	1.7	4.1	827.6
N94B	550	2343.7	9.6	28.6	54.6	13.1	89.7	23.7	5.3	6.5	54.7	104.7	35.4	286.7	77.4	9.4	78.8	5.7	1.8	3.5	893.6

Table S3. Physical, chemical and isotopic data of pore waters.

Sample ID	Depth (cm)	pH	EC	Eh	TOC	δD	$\delta^{18}O$	Ca	Mg	Na	K
			(mS/cm)	(mV)	(mg/L)	(‰)		(μmol/L)			
N1-131	0 ~ 2	2.91	2.55	133	15.86	-44.243	-4.614	3856.4	1043.7	315.4	163.5
N1-132	0 ~ 5	3.13	2.58	120	28.49	-44.599	-4.670	3799.3	975.8	287.4	168.3
N1-133	5 ~ 7	3.53	2.57	106	31.19	-45.364	-4.670	3803.9	962.7	307.3	196.3
N1-134	7 ~ 10	3.73	2.54	73	26.22	-45.859	-4.783	3672.3	845.7	311.8	202.7
N1-135	10 ~ 13	3.7	2.36	66	22.32	-46.376	-4.872	3629.0	718.4	318.5	176.4
N1-136	13 ~ 17	4.31	2.14	55	22.37	-47.052	-5.044	3789.3	847.4	317.2	196.7
N1-137	17 ~ 22	4.15	1.91	50	21.07	-48.101	-5.461	3585.3	708.4	314.7	189.4
N2-138	0.0 ~ 2.0	3.1	2.21	97	25.78	-46.934	-5.628	-	-	-	-
N2-139	2.0 ~ 4.5	2.97	2.20	87	28.64	-50.419	-5.645	-	-	-	-
N2-140	4.5 ~ 7.0	2.92	1.96	87	29.65	-52.395	-6.058	-	-	-	-
N2-141	7.0 ~ 9.5	3.45	1.82	59	22.84	-54.773	-6.686	-	-	-	-
N2-142	9.5 ~ 15.0	3.63	1.78	58	23.85	-55.268	-7.002	-	-	-	-
S1-150	0 ~ 2.0	2.71	2.08	115	27.16	-45.240	-5.513	-	-	-	-
S1-151	2 ~ 4	2.83	2.01	113	34.13	-46.380	-5.610	-	-	-	-
S1-152	4 ~ 6	3.24	1.97	108	35.85	-47.183	-5.837	-	-	-	-
S1-153	6 ~ 9	3.58	1.90	101	37.13	-48.567	-6.023	-	-	-	-
S1-154	9 ~ 12	3.65	1.79	91	38.12	-48.773	-6.116	-	-	-	-
S1-155	12 ~ 14	4.12	1.78	53	33.75	-49.443	-6.221	-	-	-	-
S1-156	14 ~ 17	4.08	2.04	56	32.85	-48.256	-6.214	-	-	-	-
S1-157	17 ~ 19	3.56	2.15	79	29.47	-48.256	-5.986	-	-	-	-
S1-158	19 ~ 22	3.47	2.11	73	31.52	-47.878	-6.248	-	-	-	-
S1-159	22 ~ 25	3.92	1.91	60	31.85	-49.852	-6.478	-	-	-	-
S1-160	25 ~ 28	4.21	1.83	52	27.35	-51.354	-6.608	-	-	-	-
S2-168	0 ~ 2	2.98	2.30	132	19.5	-50.992	-6.867	4017.2	1139.7	308.4	159.1
S2-169	2 ~ 4	3.11	2.16	117	22.75	-52.447	-7.102	3911.4	1029.6	307.5	152.9
S2-170	4 ~ 6	3.35	2.03	105	20.58	-53.996	-7.215	3035.7	874.2	290.7	162.4
S2-171	6 ~ 8	3.47	1.89	107	21.71	-55.532	-7.536	3019.1	884.6	292.3	165.2
S2-172	8 ~ 11	3.66	1.73	102	22.47	-56.911	-7.807	2748.2	850.8	291.3	146.7
S2-173	11 ~ 13	3.86	1.55	89	26.32	-58.101	-7.922	2495.1	724.1	294.0	141.7
S2-174	13 ~ 16	4.26	1.38	57	20.75	-59.988	-8.139	2238.9	702.7	305.7	155.1
S2-175	16 ~ 19	4.41	1.26	44	18.54	-60.609	-8.146	2078.4	674.8	315.4	160.1
S2-176	19 ~ 22	4.23	1.09	43	18.36	-58.478	-8.293	2148.3	674.8	345.8	205.9
S2-177	22 ~ 25	4.03	1.09	42	19.54	-60.698	-8.247	2087.3	659.9	352.8	208.1

Table S3. (continued... Physical, chemical and isotopic data of pore waters)

Sample ID	Depth (cm)	Fe ^{II}	Fe ^{III}	Fe _{Total}	Al	Mn	Si	SO ₄	Cl	NO ₃
		(μmol/L)								
N1-131	0 ~ 2	6389.3	2620.3	9009.6	120.6	52.3	501.6	13570.3	1147.0	51.8
N1-132	0 ~ 5	8592.5	2684.9	11277.4	108.7	48.6	486.4	15388.1	986.3	71.7
N1-133	5 ~ 7	10889.7	2173.8	13063.5	80.1	31.8	491.7	14820.1	1236.3	55.8
N1-134	7 ~ 10	11406.2	2167.9	13574.1	59.2	28.9	496.3	16637.9	1193.5	62.4
N1-135	10 ~ 13	9673.5	2138.5	11812.1	24.7	22.6	520.4	15047.3	1189.9	47.7
N1-136	13 ~ 17	9103.6	1733.2	10836.8	16.6	25.1	537.9	13911.2	1097.0	78.3
N1-137	17 ~ 22	8193.0	1509.9	9702.9	10.3	20.4	617.7	12207.0	1086.3	16.1
N2-138	0.0 ~ 2.0	5889.1	2306.0	8195.1	-	-	-	12802.8	954.1	22.1
N2-139	2.0 ~ 4.5	6282.4	2078.3	8360.7	-	-	-	11053.2	800.5	43.9
N2-140	4.5 ~ 7.0	5652.5	1652.4	7304.9	-	-	-	10153.6	657.7	28.1
N2-141	7.0 ~ 9.5	4307.4	1380.7	5688.0	-	-	-	9078.8	539.8	34.6
N2-142	9.5 ~ 15.0	5927.1	1153.0	7080.1	-	-	-	9178.6	600.5	55.8
S1-150	0 ~ 2.0	3330.6	2151.8	5482.4	-	-	-	10389.2	850.6	37.3
S1-151	2 ~ 4	3903.4	2056.3	5959.7	-	-	-	10616.4	907.7	18.7
S1-152	4 ~ 6	4542.4	2115.0	6657.4	-	-	-	10275.6	1175.6	20.1
S1-153	6 ~ 9	5196.0	2129.7	7325.7	-	-	-	10161.9	1254.2	32.0
S1-154	9 ~ 12	5717.4	1711.1	7428.5	-	-	-	9821.1	1247.0	39.9
S1-155	12 ~ 14	5475.0	1916.8	7391.8	-	-	-	9480.3	895.4	14.8
S1-156	14 ~ 17	6973.2	1887.4	8860.6	-	-	-	11184.5	815.0	21.4
S1-157	17 ~ 19	8177.6	1828.6	10006.2	-	-	-	12502.3	809.7	29.3
S1-158	19 ~ 22	7399.1	1608.3	9007.5	-	-	-	11638.9	782.9	14.8
S1-159	22 ~ 25	7098.0	1556.9	8655.0	-	-	-	10275.6	762.1	22.7
S1-160	25 ~ 28	6114.0	1204.4	7318.4	-	-	-	9253.0	762.1	17.4
S2-168	0 ~ 2	4894.9	1799.3	6694.1	133.4	45.3	441.5	9709.5	720.6	45.2
S2-169	2 ~ 4	6253.5	1821.3	8074.8	98.5	40.1	481.6	9815.7	626.3	47.9
S2-170	4 ~ 6	6532.6	1703.8	8236.4	54.4	33.4	572.9	9603.3	754.9	43.9
S2-171	6 ~ 8	6062.6	1696.4	7759.0	32.9	34.4	583.9	9072.4	750.6	33.3
S2-172	8 ~ 11	5915.7	1417.4	7333.1	31.8	29.8	590.8	8685.0	763.5	38.6
S2-173	11 ~ 13	5225.4	1292.5	6517.9	13.3	26.4	733.5	7776.1	836.4	35.9
S2-174	13 ~ 16	4329.4	1131.0	5460.4	7.7	25.2	724.3	6412.7	836.4	26.7
S2-175	16 ~ 19	2559.5	756.4	3315.9	6.4	21.7	630.2	6980.8	909.2	28.0
S2-176	19 ~ 22	2118.9	668.3	2787.2	6.1	18.7	502.0	4708.6	922.1	37.3
S2-177	22 ~ 25	1839.8	572.8	2412.6	5.2	19.5	448.3	4822.2	866.4	33.3

Table S4. Groundwater physical, chemical and isotopic data from the north and south sampling locations of the Lake 77.

ID	Sampling depth (m)	Water table (m)	Temp.	pH	EC	Eh	TOC	DIC	δD	δ ¹⁸ O
			(°C)		(mS/cm)	(mV)	(mg/L)	(μmol/L)	(‰)	(‰)
SP1	3	2.115	16.1	3.14	0.98	335	19.22	3044.1	-	-
SP2	2	0.985	17.5	3.25	1.13	322	18.34	1251.5	59.993	7.707
SP3	3	1.79	15.2	2.97	1.22	331	16.98	1889.9	-	-
NP1	4	0.87	18.6	3.89	1.28	272	16.44	2265.7	60.910	7.866
NP2	4	1.445	17.6	4.24	1.42	235	17.7	2365.9	61.633	8.023
NP3	6	4.5	17.3	4.8	1.61	247	10.28	2200.0	-	-
NGW	17.5	5.6	14.2	5.61	3.96	168	11.92	5175.9	62.430	8.090
									64.685	8.358
									-	-
									64.918	8.582
									-	-
									65.469	8.529

Table S4. (continued... Groundwater physical, chemical and isotopic data from the north and south sampling locations of the Lake 77)

ID	Sampling depth (m)	Ca	Mg	Na	K	Fe ^{II}	Fe ^{III}	Fe _{Total}	Al	Mn	Si	SO ₄	Cl	NO ₃
		(μmol/L)												
SP1	3	2882.4	972.7	511.3	1063.2	155.8	581.6	737.5	824.6	28.7	739.4	2436.3	1393.5	17.4
SP2	2	2545.0	950.4	491.5	977.0	508.3	1004.6	1513.0	719.0	29.1	786.9	4708.6	1193.5	26.7
SP3	3	2944.3	1036.8	413.2	1133.1	484.8	1016.4	1501.2	1315.7	31.1	1075.3	5617.5	986.3	8.1
NP1	4	2844.5	1012.1	405.4	171.6	1865.5	1809.5	3675.0	1071.1	32.6	616.0	6867.2	461.2	49.2
NP2	4	1257.5	691.2	209.7	235.6	3175.6	2444.1	5619.7	3891.5	35.1	1253.3	10616.4	357.6	46.5
NP3	6	1362.3	758.9	315.6	240.1	5055.7	3190.2	8245.9	4245.4	42.3	1015.6	13229.5	607.7	54.5
NGW	17.5	3654.0	1257.3	578.4	160.4	13545.2	2279.5	15824.8	19.6	0.6	5.4	27203.8	861.3	112.7

Table S5. Physicochemical data of sediment cores and a soil sample from north and south sampling locations.

Sample ID	Depth (cm)	AVS	CRS	TRIS	Clay	Silt	Sand
		(μmol/L)			(%)		
N1-131	0 ~ 2	0.32	9.99	10.30	9.8	63.3	26.8
N1-132	0 ~ 5	0.26	10.27	10.53	11.0	47.1	41.9
N1-133	5 ~ 7	0.27	13.17	13.44	16.9	65.7	17.5
N1-134	7 ~ 10	0.32	25.60	25.92	15.9	67.0	17.1
N1-135	10 ~ 13	0.38	47.59	47.97	17.6	37.6	44.9
N1-136	13 ~ 17	0.69	160.93	161.62	7.5	18.7	73.8
N1-137	17 ~ 22	15.79	182.15	197.94	5.6	9.1	85.4
N2-138	0.0 ~ 2.0	-	-	-	23.2	72.5	4.3
N2-139	2.0 ~ 4.5	-	-	-	18.6	68.1	13.2
N2-140	4.5 ~ 7.0	-	-	-	22.1	72.7	5.2
N2-141	7.0 ~ 9.5	-	-	-	11.7	40.4	47.9
N2-142	9.5 ~ 15.0	-	-	-	12.7	31.5	55.8
S1-150	0 ~ 2.0	-	-	-	18.2	74.0	7.8
S1-151	2 ~ 4	-	-	-	20.0	74.6	5.4
S1-152	4 ~ 6	-	-	-	19.0	73.9	7.1
S1-153	6 ~ 9	-	-	-	15.1	73.8	11.1
S1-154	9 ~ 12	-	-	-	11.6	73.8	14.6
S1-155	12 ~ 14	-	-	-	22.3	73.7	4.0
S1-156	14 ~ 17	-	-	-	17.5	70.0	12.5
S1-157	17 ~ 19	-	-	-	20.8	72.9	6.3
S1-158	19 ~ 22	-	-	-	14.5	78.2	7.3
S1-159	22 ~ 25	-	-	-	15.2	78.0	6.8
S1-160	25 ~ 28	-	-	-	20.1	74.3	5.5
S2-168	0 ~ 2	0.35	10.74	11.09	13.4	67.8	18.8
S2-169	2 ~ 4	0.28	11.04	11.32	23.0	73.7	3.3
S2-170	4 ~ 6	0.30	14.16	14.46	15.5	57.9	26.6
S2-171	6 ~ 8	0.35	27.53	27.88	22.0	73.5	4.5
S2-172	8 ~ 11	0.30	51.17	51.47	24.0	70.5	5.5
S2-173	11 ~ 13	0.67	103.04	103.71	21.2	72.2	6.6
S2-174	13 ~ 16	11.54	215.86	227.40	25.6	69.6	4.9
S2-175	16 ~ 19	13.23	215.86	229.09	18.5	69.3	12.3
S2-176	19 ~ 22	13.71	228.86	242.57	25.1	63.3	11.6
S2-177	22 ~ 25	18.44	236.86	255.30	14.5	62.5	23.0
Soil	0 ~ 5	-	-	-	2.7	10.5	86.8