

**HOW TO CITE:**

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**Supplementary table 1:** Sediment concentration data (mg/kg) for the core samples (C1–C4) from the Klip River wetland

Depth (cm)	Co	Ni	Zn	Pb	Cu	U	ΣREE
<b>C1</b>							
0	68.99	497.6	1516	123.2	329.3	37.87	100.6
10	2421	4976	3167	26.02	168.1	34.04	314.3
20	793.7	4508	3319	262.3	473.8	482.2	1001
40	473.6	2357	1545	83.97	641.1	823.6	835.5
50	152.5	1200	351.0	89.68	627.6	550.1	2326
60	145.2	1412	825.8	82.79	326.4	239.2	4142
70	391.3	2856	1328	151.5	359.0	203.6	5310
80	241.2	2373	875.3	197.8	1408	1164	5978
90	256.1	1745	607.6	139.3	1395	1633	2004
100	308.6	2198	814.3	168.1	2070	2389	3127
110	410.2	2828	1084	131.5	1655	1459	3069
120	765.0	3554	11616	85.59	681.9	590.0	2356
130	654.8	2804	15279	78.52	531.3	395.6	2206
140	458.4	2107	15432	27.70	164.9	41.38	1638
150	709.8	1992	2145	20.07	130.1	14.64	260.0
160	2742	4727	2696	13.02	105.6	17.04	235.5
180	1856	4118	4221	19.03	125.9	22.50	215.1
190	1607	4243	953.1	19.26	149.1	53.41	267.1
200	2258	4660	2661	18.17	127.4	23.21	244.7
210	2491	5617	2455	17.97	139.2	26.51	269.1
220	2876	6403	1002	13.74	124.5	26.36	189.2
230	3499	7090	1302	31.51	190.2	28.36	237.6
240	1262	2879	990.3	14.32	132.1	10.19	235.1
<b>C2</b>							
0	264.2	1696	1885	151.6	690.0	151.3	431.5
10	180.0	1346	1214	163.9	499.3	167.3	637.9
20	434.7	2380	1848	87.20	647.8	270.1	968.8
30	973.3	5034	2781	46.53	1036	1028	1536
40	642.2	3682	1652	36.93	1158	1171	2081
50	634.8	3314	2823	45.85	727.6	251.4	751.2
60	432.5	2894	1263	31.18	827.0	778.0	2988
70	232.7	1728	1028	16.90	586.9	527.1	3417
90	282.8	2085	2868	22.41	313.1	195.9	1937
100	603.6	3444	2153	41.16	532.4	471.1	1583
110	300.7	1797	1308	25.73	428.3	285.8	1226
120	346.7	2090	1391	19.10	454.5	334.7	1586

Depth (cm)	Co	Ni	Zn	Pb	Cu	U	ΣREE
<b>C2</b>							
130	132.7	592.3	989.0	5.685	148.8	102.4	456.3
140	234.4	1306	1252	22.82	278.7	151.2	605.0
150	567.2	2169	3237	43.32	292.8	97.13	627.8
160	987.9	2313	1414	2.740	123.4	17.18	474.6
170	2420	5219	5035	6.862	202.8	35.72	730.0
180	2289	5001	6810	25.91	217.3	49.48	407.0
190	1748	4729	13151	117.7	466.5	122.6	664.2
200	1734	4369	8485	61.40	304.6	129.0	725.1
210	1567	3807	7899	20.09	225.6	78.41	446.7
220	1754	3479	17270	26.33	167.0	35.87	344.6
230	1963	4001	3380	18.27	80.51	14.83	259.1
240	425.1	1507	1380	21.47	74.56	16.51	285.7
250	638.7	2182	1128	20.38	93.59	19.74	279.5
260	389.4	1321	590.2	22.37	171.3	16.33	309.0
270	158.3	804.7	150.4	27.86	187.4	8.769	251.9
280	180.8	1015	132.6	41.04	284.0	15.16	419.6
290	16.05	69.36	13.37	12.93	33.91	2.208	166.1
300	27.91	120.5	31.36	19.11	55.04	3.695	243.7
310	7.491	53.58	4.24	10.54	32.35	2.182	124.9
320	7.425	58.32	11.36	10.43	33.57	3.102	99.74
330	8.331	82.67	21.83	15.90	53.28	4.602	146.6
340	6.112	57.14	32.27	9.899	42.92	2.227	95.52
<b>C3</b>							
0	308.4	1862	1516	283.2	729.8	78.17	304.7
10	1239	5527	2629	233.4	436.3	141.3	571.7
20	605.6	2781	2018	224.9	792.4	269.12	748.0
30	297.4	1493	1158	133.8	487.9	89.85	279.2
40	396.8	2457	1307	66.85	358.1	329.6	960.9
50	662.9	2892	1768	51.40	295.1	192.6	471.5
60	227.8	1694	1370	26.51	99.03	40.33	244.6
70	603.9	4011	9430	88.80	334.5	206.1	2680
80	560.1	3857	23959	68.43	200.0	156.5	2231
90	552.0	4253	11644	58.92	224.4	193.7	3072
100	123.7	1050	239.0	34.29	187.5	54.67	1406
110	585.1	4546	22279	65.96	219.5	159.7	2386
120	258.2	1962	22709	25.36	89.79	48.81	1735
130	214.7	1786	8836	13.85	80.84	22.61	1112
140	190.8	1398	2952	10.82	53.66	20.00	664.5
150	446.5	2477	9685	18.41	114.7	29.94	387.4
160	570.5	2723	9297	20.13	98.52	30.21	415.2
170	540.7	3192	6827	16.98	65.42	17.60	278.7
180	370.3	2748	3436	17.19	54.32	12.88	192.5
190	657.9	2622	5024	20.83	63.62	17.84	208.7
200	571.2	2900	20858	25.13	105.2	41.42	390.3
210	1130	3722	2308	23.34	74.29	19.64	162.1
220	1044	2915	541.6	26.08	66.51	18.68	172.1
230	1023	2994	415.6	14.43	48.98	12.77	107.8

Depth (cm)	Co	Ni	Zn	Pb	Cu	U	ΣREE
<b>C3</b>							
240	1900	4071	1328	17.81	67.67	20.31	156.8
250	1717	3188	701.9	15.89	71.69	15.34	130.6
260	2026	3779	428.1	16.59	71.59	13.10	130.4
270	172.6	553.6	25.19	17.59	104.6	21.09	186.5
280	128.1	455.2	58.49	17.95	117.6	25.64	207.4
290	504.3	1207	219.1	21.54	159.9	48.75	303.8
300	302.5	897.5	148.89	23.01	182.9	63.96	329.2
310	204.0	735.8	159.15	16.63	141.4	34.09	232.4
320	288.9	879.9	259.34	19.63	148.4	54.89	266.8
330	259.3	838.9	345.13	19.30	151.0	57.57	330.5
340	333.3	1056	548.28	19.18	212.0	82.78	345.9
350	332.2	733.3	290.8	17.61	150.9	31.65	280.1
360	39.44	262.3	58.44	19.02	115.5	8.618	185.5
370	192.3	582.5	120.6	22.32	166.9	73.18	521.0
380	145.6	409.5	98.43	20.77	157.8	22.79	514.2
390	81.55	421.6	118.2	22.61	183.4	22.58	625.1
400	158.2	458.3	114.5	28.98	197.4	28.54	529.5
410	21.27	304.1	72.18	15.53	90.87	4.964	134.4
420	15.16	101.3	39.78	11.67	48.07	2.394	116.7
430	7.662	34.23	11.59	6.328	21.33	0.8775	59.57
440	16.54	83.22	19.30	12.43	38.72	2.256	127.8
<b>C4</b>							
0	89.60	575.8	944.4	224.5	436.2	50.01	177.2
10	663.1	2296	1407	162.6	419.0	124.5	754.3
20	83.20	319.7	177.4	27.95	59.50	31.79	183.8
30	22.59	147.8	50.49	22.24	48.34	10.19	169.8
40	48.13	352.9	196.8	30.40	175.4	155.1	427.7
50	61.78	348.0	211.3	26.80	142.6	114.9	324.4
60	60.39	382.8	228.2	19.28	166.6	163.8	357.9
70	197.0	1446	1091	52.60	415.3	351.7	1349
80	240.2	2271	1696	98.30	1106	916.2	3658
90	436.1	2646	1195	93.75	937.0	833.8	2800
100	125.2	735.1	473.4	81.46	302.2	169.2	706.1
110	88.10	1168	1712	49.12	173.8	75.11	302.4
120	29.70	97.80	ND	35.17	58.40	25.30	326.3
130	14.79	33.11	ND	26.35	30.59	3.403	169.6
140	14.10	ND	ND	24.36	22.29	3.434	143.0

ND, not detected