

Supporting Information

Table S1. Evolution on hydrogeochemistry during the remediation process in the Northern Cell (Figure 3).

pH																		
Samples	Depth (m)	Before	D0	D2	D4	D7	D10	D13	D19	D47	D77	D104	D134	D169	D197	D225	D260	D285
PR3	0	N/A	N/A	7.3	7.5	7.4	7.7	7.4	7.2	7.6	8.1	8.2	8.7	8.8	8.0	8.8	7.6	8.2
SI5P1	1	2.8	3.1	2.5	2.7	2.4	3.3	3.4	5.9	6.1	6.5	7.2	7.3	6.5	6.7	6.6	7.0	N/A
SI5P2	2	3.9	4.0	3.6	4.4	2.7	3.6	3.6	4.0	4.5	6.3	6.4	7.0	7.0	7.2	6.8	7.0	7.5
SI5P3	3	4.0	4.4	3.9	4.5	2.2	4.4	3.9	4.4	4.5	6.1	6.5	6.9	6.8	7.1	6.8	7.2	7.2
SI5P4	4	4.2	5.4	5.3	5.5	3.4	4.7	4.5	4.9	4.4	6.2	6.0	6.9	6.9	7.2	7.1	7.0	7.2
SI5P6	6	5.1	6.5	6.2	6.4	5.7	6.0	4.7	5.4	5.0	6.1	6.4	6.8	6.6	6.4	6.1	6.7	6.8
SI5P8	8	6.1	6.4	6.2	6.5	6.1	6.3	5.2	6.2	5.8	6.2	6.6	6.6	6.6	6.2	6.3	6.3	6.0
SI5P10	10	6.2	6.5	5.9	6.4	5.9	6.4	6.1	6.4	6.4	6.2	6.6	6.5	6.4	6.6	6.7	6.6	6.8
Redox Potential (mV)																		
Samples	Depth (m)	Before	D0	D2	D4	D7	D10	D13	D19	D47	D77	D104	D134	D169	D197	D225	D260	D285
PR3	0	N/A	N/A	325	389	416	391	389	240	315	226	442	215.1	135.4	213	242	294	205
SI5P1	1	396	358	428	254	332	337	326	300	189	292	176.5	103	132.5	147	176	135	N/A
SI5P2	2	369	342	326	257	368	341	354	336	385	373	142.9	107.4	128.9	115	167	102	92.3
SI5P3	3	421	253	295	327	366	328	303	335	417	401	217	118	130.1	129	171	93.4	118
SI5P4	4	346	274	266	256	359	311	283	284	400	385	342	259.9	221.4	138	171	197	162
SI5P6	6	309	286	312	78	303	287	304	278	369	339	294.5	232.1	183	222	224	180	176
SI5P8	8	311	222	258	-70	227	255	275	222	235	271	175.3	147.1	154.1	235	218	165	192
SI5P10	10	283	256	238	59	203	204	228	200	201	250	141.7	127.8	130.6	155	180	136	133
As (mg/L)																		
Samples	Depth (m)	Before	D0	D2	D4	D7	D10	D13	D19	D47	D77	D104	D134	D169	D197	D225	D260	D285
PR3	0	N/A	N/A	0.16	0.04	0.03	0.03	0.02	0.03	0.008	0.266	0.810	0.940	0.300	0.048	0.072	BDL	0.040
SI5P1	1	0.02	0.02	0.02	0.08	0.01	BDL	BDL	0.03	0.045	0.085	0.013	0.045	0.104	0.042	0.291	0.047	N/A
SI5P2	2	0.26	0.15	0.11	0.06	0.08	0.05	0.04	0.02	0.061	0.044	0.142	0.029	0.216	0.141	0.339	0.259	0.198
SI5P3	3	0.14	0.12	0.06	0.10	0.11	0.09	0.06	0.06	0.148	0.053	0.058	0.065	0.150	0.240	0.217	0.265	0.216
SI5P4	4	0.04	BDL	BDL	BDL	0.03	0.05	0.06	0.06	0.080	0.027	0.032	BDL	BDL	BDL	0.149	0.417	0.378
SI5P6	6	0.02	BDL	BDL	0.01	BDL	BDL	BDL	BDL	0.014	BDL	BDL	BDL	BDL	BDL	0.010	BDL	BDL
SI5P8	8	BDL	BDL	BDL	BDL	0.01	0.01	BDL	BDL	0.008	BDL	BDL	BDL	BDL	BDL	0.011	BDL	BDL
SI5P10	10	0.05	0.05	0.04	0.04	0.03	0.02	0.02	0.01	0.027	0.019	0.021	0.017	0.015	0.017	0.018	0.020	0.014

Table S1. Cont.

Cl (mg/L)																		
Samples	Depth (m)	Before	D0	D2	D4	D7	D10	D13	D19	D47	D77	D104	D134	D169	D197	D225	D260	D285
PR3	0	N/A	N/A	2110	1945	1420	2020	1988	1928	2320	2760	3596	3748	3474	2017	2531	2379	2125
SI5P1	1	2114	2125	2220	2050	2070	2040	2149	2094	2210	2610	2037	2245	3686	2064	2126	2442	N/A
SI5P2	2	2195	2085	2280	3270	2050	2000	2048	2125	2280	2510	3416	3731	3639	2122	2064	2447	2189
SI5P3	3	2368	2245	2150	2220	2320	2140	2028	2292	2250	2240	2204	3654	3615	2349	2018	2411	2282
SI5P4	4	2774	1830	2230	2130	2880	2150	2048	2083	2270	2400	1863	3655	3704	2615	2010	2463	2125
SI5P6	6	2561	1875	2180	2000	2090	2700	2028	1938	2180	2390	3293	3630	3783	3772	2651	2379	2575
SI5P8	8	2581	2655	2780	2900	2840	2630	2721	2385	2010	2220	2253	3474	3657	3390	2927	2326	2526
SI5P10	10	3997	3860	3750	3430	2950	2880	3022	2500	2030	2030	1209	3352	3418	3102	3167	2947	3297
Cu (mg/L)																		
Samples	Depth (m)	Before	D0	D2	D4	D7	D10	D13	D19	D47	D77	D104	D134	D169	D197	D225	D260	D285
PR3	0	N/A	N/A	0.11	0.06	0.10	0.04	0.05	0.02	0.172	0.059	0.072	BDL	0.079	0.015	BDL	0.127	0.015
SI5P1	1	150	329	165	248	5.54	2.93	0.80	0.17	0.023	0.016	0.038	BDL	BDL	0.025	0.041	BDL	N/A
SI5P2	2	390	229	180	432	202	13.0	4.63	2.25	0.312	0.325	BDL	BDL	BDL	0.020	BDL	BDL	0.040
SI5P3	3	325	140	9.72	37.7	245	226	63.5	12.2	1.64	0.781	0.022	BDL	0.012	BDL	0.067	BDL	BDL
SI5P4	4	684	3.57	1.51	2.17	129.26	251.43	85.47	23.8	4.30	0.44	0.138	0.047	0.012	BDL	BDL	0.023	BDL
SI5P6	6	204	0.17	0.30	0.33	0.92	3.14	6.77	3.07	13.3	2.00	0.375	0.060	0.059	0.085	0.054	BDL	0.014
SI5P8	8	0.03	0.03	0.01	0.02	0.03	0.02	0.03	BDL	BDL	BDL	BDL	BDL	0.019	BDL	0.420	0.090	0.106
SI5P10	10	0.05	0.10	0.02	0.02	0.09	0.03	0.07	0.03	0.010	BDL	BDL	BDL	0.062	BDL	0.102	BDL	0.017
Fe total (mg/L)																		
Samples	Depth (m)	Before	D0	D2	D4	D7	D10	D13	D19	D47	D77	D104	D134	D169	D197	D225	D260	D285
PR3	0	N/A	N/A	0.18	0.07	0.02	0.01	0.16	0.07	0.036	0.130	0.090	0.031	0.016	BDL	0.179	0.262	0.260
SI5P1	1	88.1	176	120	76.7	11.5	8.5	2.4	0.3	63.9	10.2	1.03	1.56	38.7	7.37	13.7	1.06	N/A
SI5P2	2	204	154	139	216	82.1	28.5	16.8	7.3	95.6	1.15	22.4	2.31	1.61	0.197	7.89	6.28	3.10
SI5P3	3	326	242	121	145	179	127	50	23.7	17.1	14.3	5.43	1.82	1.54	0.843	2.17	2.94	5.14
SI5P4	4	322	10.6	4.0	21.2	189.0	153.9	72.5	35.7	10.1	0.798	0.744	0.032	0.042	0.011	0.088	0.068	0.220
SI5P6	6	76.7	1.13	0.31	3.77	0.49	0.34	11.3	76.8	14.0	0.328	0.337	0.081	0.127	0.226	12.8	0.402	0.983
SI5P8	8	36.1	5.7	5.1	8.6	8.2	4.2	7.4	24.7	73.6	20.9	11.5	8.35	6.77	29.8	38.3	31.8	41.4
SI5P10	10	86.0	54.1	46.1	29.6	27.8	22.5	24.6	13.6	14.3	31.3	35.7	32.2	75.7	28.7	16.0	16.9	40.2

Table S1. Cont.

Mo (mg/L)																		
Samples	Depth (m)	Before	D0	D2	D4	D7	D10	D13	D19	D47	D77	D104	D134	D169	D197	D225	D260	D285
PR3	0	N/A	N/A	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SI5P1	1	0.07	0.05	BDL	0.06	BDL	BDL	BDL	0.34	0.25	0.57	0.207	0.124	BDL	BDL	0.065	0.048	N/A
SI5P2	2	1.19	0.35	0.22	0.42	0.26	0.14	0.11	0.06	0.11	0.47	0.246	0.223	0.303	0.188	0.072	0.094	0.071
SI5P3	3	0.45	0.32	0.21	0.16	0.19	0.17	0.06	0.06	BDL	0.27	0.913	0.472	0.262	0.150	0.120	0.123	0.086
SI5P4	4	0.16	0.07	0.06	0.06	BDL	0.06	0.06	BDL	0.21	0.61	2.790	0.377	0.188	0.178	0.114	0.078	0.047
SI5P6	6	0.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.372	0.416	0.224	0.140	0.074	0.206	0.134
SI5P8	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.300	0.155	0.129	0.108	0.068
SI5P10	10	0.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.079
SO ₄ (mg/L)																		
Samples	Depth (m)	Before	D0	D2	D4	D7	D10	D13	D19	D47	D77	D104	D134	D169	D197	D225	D260	D285
PR3	0	N/A	N/A	1746	1569	1565	1729	1662	1556	1360	2270	2912	2999	2716	1594	1837	2157	1769
SI5P1	1	2912	4167	3090	2668	1769	1720	1871	1829	2090	2280	2934	3180	3009	1705	1637	2232	N/A
SI5P2	2	3819	3807	3084	4389	2353	1762	1750	1785	1980	2170	2928	3072	2895	1670	1628	2390	1782
SI5P3	3	4047	4581	3276	2399	3072	2499	1805	1800	2040	2040	2688	2917	2824	1868	1606	2251	1987
SI5P4	4	7416	2124	3765	2559	4263	2917	1757	1706	2140	2040	2807	3012	2842	2058	1568	2235	1861
SI5P6	6	4041	2162	1825	2013	2939	3180	2538	1639	2050	2060	2835	2780	3036	2995	2087	2170	2240
SI5P8	8	2097	2174	2198	2295	2396	2109	2725	2272	1800	1880	2580	3174	2758	2692	2240	2261	2216
SI5P10	10	2781	2861	3144	2557	2474	1946	2505	2168	1710	1860	2471	2579	2723	2399	2342	2610	2873

Notes: D0 is the sample taken prior to the remediation; D2 is the samples taken 2 days after flooding, D10, 10 days after flooding and so one; N/A = Not available;
BDL = Below the Detection Limit.

Table S2. Evolution on hydrogeochemistry during the remediation process in the Delta cell (Figure 6).

pH																	
Samples	Depth (m)	Before	D3	D8	D17	D20	D25	D31	D38	D45	D74	D104	D130	D160	D195	D223	D251
PR1	0	N/A	3.9	6.4	7.7	7.5	7.5	7.7	7.7	7.6	7.5	7.4	7.9	8.0	7.6	7.9	7.8
SI7P1	1	3.1	3.4	3.7	3.1	3.1	3.0	3.6	4.0	4.2	N/A	3.5	N/A	N/A	3.0	N/A	N/A
SI7P2	2	4.2	2.8	4.6	4.4	4.3	4.1	4.8	4.7	5.0	4.3	2.8	3.0	3.2	3.8	4.9	4.0
SI7P3	3	6.2	4.7	4.8	5.2	5.4	5.1	5.4	5.0	5.7	5.0	5.3	5.7	5.7	5.8	5.8	5.2
SI7P4	4	6.0	5.0	4.3	4.9	5.3	4.4	5.2	4.9	5.2	5.7	5.1	2.6	4.3	5.5	5.0	5.7
SI7P6	6	5.4	4.4	4.0	4.5	4.8	4.4	4.5	4.6	4.8	5.4	4.0	5.2	5.3	5.3	5.6	4.9
SI7P8	8	5.7	4.5	4.2	4.9	5.0	4.2	5.2	4.8	5.6	5.8	5.8	6.1	5.8	5.7	5.8	5.2
SI7P10	10	5.2	4.4	3.8	3.9	4.7	4.3	4.8	4.4	4.8	5.3	5.3	5.6	5.2	5.2	5.3	5.2
Samples	Depth (m)	D285	D311	D346	D367	D407	D436	D464	D500	D528	D584	D617	D645	D671	D707	D736	D778
PR1	0	8.3	8.0	8.3	8.1	NA	NA	7.4	8.3	8.4	8.1	8.5	8.4	7.9	8.5	6.3	7.3
SI7P1	1	N/A	N/A	N/A	4.1	NA	NA	4.4	2.4	1.6	4.4	N/A	4.1	3.1	4.1	5.5	N/A
SI7P2	2	4.0	4.4	4.0	3.8	4.7	NA	4.2	3.0	3.3	3.6	N/A	4.7	4.9	4.5	4.5	4.7
SI7P3	3	5.8	5.9	5.6	5.8	5.3	6.1	6.0	5.8	5.7	5.7	5.9	6.0	5.7	5.6	5.7	5.2
SI7P4	4	5.5	5.8	6.3	5.9	4.5	5.8	5.7	6.0	6.3	4.6	4.4	4.0	4.3	3.9	5.5	5.0
SI7P6	6	5.6	5.9	6.3	5.9	5.7	5.4	5.7	5.1	3.3	5.3	5.6	5.8	5.7	5.7	5.4	5.6
SI7P8	8	5.7	5.9	6.1	5.9	5.8	5.7	5.7	6.0	5.8	6.0	5.9	5.8	5.8	5.8	5.7	5.8
SI7P10	10	5.5	5.6	5.9	5.8	5.4	5.4	5.3	5.3	5.4	5.4	5.5	5.4	5.5	5.4	5.4	5.4
Redox Potential (mV)																	
Samples	Depth (m)	Before	D3	D8	D17	D20	D25	D31	D38	D45	D74	D104	D130	D160	D195	D223	D251
PR1	0	N/A	533	490	420	425	439	265	274	286	398	362	368	257.3	148	311	196
SI7P1	1	533	385	420	407	284	308	9	306	275	N/A	N/A	N/A	N/A	567	N/A	N/A
SI7P2	2	410	475	361	318	343	312	308	312	308	328	500	527	551	442	289	394
SI7P3	3	105	297	311	306	272	285	276	305	246	337	368	250.8	420	234.1	222	307
SI7P4	4	243	273	328	362	271	317	275	320	283	264	373	567	373	234.7	284	288
SI7P6	6	305	342	355	338	329	335	319	318	306	301	397	383	242.8	243.7	255	328
SI7P8	8	265	232	334	293	314	324	224	293	189	201	249	184.5	190.6	195.9	186	340
SI7P10	10	359	358	370	371	362	149	295	300	336	290	344	257.3	301.5	262.9	251	353

Redox Potential (mV)

Redox Potential (mV)																	
Samples	Depth (m)	D285	D311	D346	D367	D407	D436	D464	D500	D528	D584	D617	D645	D671	D707	D736	D778
PR1	0	194	117	342	221	N/A	N/A	394	369	354	417	248	498	460	386	361	155
SI7P1	1	N/A	N/A	N/A	411	N/A	N/A	442	647	531	470	N/A	558	539	378	266	368
SI7P2	2	443	346	231	403	387	N/A	416	535	520	518	N/A	495	403	303	389	324
SI7P3	3	309	224	296	295	314	193	217	217	232	244	260	429	406	300	343	381
SI7P4	4	312	222	166	290	410	228	240	207	161	405	370	571	461	325	195	342
SI7P6	6	282	200	176	322	210	266	212	308	500	309	231	395	364	210	338	407
SI7P8	8	234	177	178	346	202	195	207	216	195	191	229	384	308	231	428	394
SI7P10	10	319	250	272	382	313	291	279	311	260	321	262	434	341	351	435	454
As (mg/L)																	
Samples	Depth (m)	Before	D3	D8	D17	D20	D25	D31	D38	D45	D74	D104	D130	D160	D195	D223	D251
PR1	0	N/A	0.03	0.00	0.26	0.30	0.30	0.26	0.27	0.31	0.045	0.096	0.356	0.041	0.138	0.247	0.268
SI7P1	1	0.020	0.03	0.00	0.02	0.04	0.02	0.02	0.02	0.02	N/A	0.012	N/A	N/A	0.112	N/A	N/A
SI7P2	2	0.13	0.08	0.12	0.17	0.24	0.20	0.18	0.12	0.15	0.123	0.111	0.108	0.112	0.119	0.101	0.089
SI7P3	3	0.25	0.48	0.41	0.29	0.13	0.15	0.10	0.12	0.10	0.068	0.084	0.067	0.088	0.111	0.214	0.139
SI7P4	4	0.15	0.08	0.05	0.02	0.03	0.05	0.06	0.05	0.11	0.072	0.081	0.119	0.053	0.089	0.123	0.255
SI7P6	6	0.16	0.10	0.05	0.05	0.04	0.02	0.00	0.02	0.01	0.161	0.081	0.082	0.207	0.191	0.169	0.126
SI7P8	8	0.10	0.10	0.11	0.11	0.09	0.10	0.12	0.09	0.14	0.005	0.190	0.215	0.238	0.235	0.223	0.137
SI7P10	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.003	0.000	0.000	0.000	0.000	0.000	0.000
Samples	Depth (m)	D285	D311	D346	D367	D407	D436	D464	D500	D528	D584	D617	D645	D671	D707	D736	D778
PR1	0	0.289	0.265	0.257	0.311	N/A	N/A	0.12	0.36	0.41	0.36	0.32	0.40	0.21	0.41	0.02	0.12
SI7P1	1	N/A	N/A	N/A	0.026	N/A	N/A	0.08	0.07	0.05	0.01	N/A	0.02	0.00	0.27	0.00	0.00
SI7P2	2	0.173	0.149	0.121	0.137	0.075	N/A	0.03	0.03	0.07	0.10	N/A	0.07	0.15	0.12	0.09	0.09
SI7P3	3	0.073	0.148	0.130	0.166	0.166	0.23	0.23	0.33	0.31	0.47	0.62	0.63	0.56	0.61	0.60	0.62
SI7P4	4	0.161	0.157	0.259	0.162	0.145	0.13	0.19	0.29	0.36	0.23	0.20	0.19	0.15	0.15	0.22	0.39
SI7P6	6	0.130	0.148	0.149	0.182	0.124	0.22	0.18	0.11	0.13	0.10	0.10	0.11	0.08	0.09	0.08	0.09
SI7P8	8	0.232	0.221	0.202	0.238	0.131	0.19	0.22	0.21	0.02	0.23	0.17	0.22	0.15	0.17	0.13	0.13

Table S2. Cont.

Cl (mg/L)																	
Samples	Depth (m)	Before	D3	D8	D17	D20	D25	D31	D38	D45	D74	D104	D130	D160	D195	D223	D251
PR1	0	N/A	N/A	498	444	439	510	465	492	452	576	659	528	523	292	439	435
SI7P1	1	N/A	1153	N/A	N/A	N/A	N/A	2350	N/A	N/A	N/A	N/A	N/A	N/A	3628	N/A	N/A
SI7P2	2	N/A	1382	1316	1285	1280	1370	1120	1330	1255	1230	N/A	1348	513	1312	1318	1114
SI7P3	3	1009	1006	1021	1005	995	960	1000	1012	1084	1160	1270	1235	987	1347	1318	1433
SI7P4	4	545	564	554	543	558	538	496	566	723	645	669	686	719	728	815	624
SI7P6	6	476	470	483	463	475	448	438	478	457	470	479	464	239	471	468	766
SI7P8	8	510	498	501	472	462	466	450	452	472	511	561	483	340	500	496	478
SI7P10	10	965	1001	1047	1030	1088	1075	1035	1059	1155	1290	1240	1195	554	1189	1285	1221
Samples	Depth (m)	D285	D311	D346	D367	D407	D436	D464	D500	D528	D584	D617	D645	D671	D707	D736	D778
PR1	0	458	439	418	471	N/A	N/A	613	352	4076	379	380	373	428	403	460	494
SI7P1	1	N/A	N/A	N/A	1672	N/A	N/A	592	917	519	323	N/A	405	1228	1417	2220	1955
SI7P2	2	1526	1648	1653	2240	1106	N/A	3078	5253	6202	6639	N/A	4685	4954	3999	3372	2551
SI7P3	3	1447	1483	1570	1520	1812	1510	1354	1946	1955	1813	1681	1825	1940	1835	2014	2114
SI7P4	4	826	757	765	973	963	772	782	876	754	779	726	768	776	811	938	941
SI7P6	6	490	494	491	557	492	494	432	566	550	530	492	515	552	617	600	617
SI7P8	8	495	550	573	578	517	504	504	530	774	718	619	642	766	806	812	787
SI7P10	10	1074	1099	930	1054	1096	999	1014	1070	988	1054	1094	1243	1199	1199	1157	1049
Cu (mg/L)																	
Samples	Depth (m)	Before	D3	D8	D17	D20	D25	D31	D38	D45	D74	D104	D130	D160	D195	D223	D251
PR1	0	N/A	325	10.9	0.63	0.63	0.44	0.26	0.11	0.18	0.027	0.051	0.196	0.113	0.101	0.040	0.000
SI7P1	1	0.260	20.8	12.4	13.3	6.05	1.82	0.90	15.1	4.31	N/A	1.68	N/A	N/A	0.439	N/A	N/A
SI7P2	2	1.37	1.15	1.89	4.67	9.04	7.55	3.91	8.82	4.59	2.68	4.21	2.03	1.88	0.499	0.053	1.24
SI7P3	3	0.00	0.02	0.81	3.13	2.40	3.87	5.96	10.62	9.39	13.9	12.9	2.27	1.97	1.32	0.333	8.90
SI7P4	4	0.00	0.03	0.14	0.96	0.62	0.97	0.36	5.69	7.36	1.89	0.438	0.282	0.081	0.017	0.027	0.000
SI7P6	6	0.02	0.20	0.45	0.11	0.34	0.08	0.05	0.15	0.06	0	0.337	0.036	0.012	0.087	0.000	0.050
SI7P8	8	0.28	0.25	0.01	0.07	0.02	0.03	0.00	0.00	0.00	0.011	0.000	0.000	0.073	0.027	0.000	0.039
SI7P10	10	0.00	5.45	1.99	1.17	0.82	0.43	0.26	0.48	0.30	0.732	0.588	0.323	0.553	0.363	0.148	0.102

Table S2. Cont.

Cu (mg/L)																	
Samples	Depth (m)	D285	D311	D346	D367	D407	D436	D464	D500	D528	D584	D617	D645	D671	D707	D736	D778
PR1	0	0.025	0.041	0.099	0.030	N/A	N/A	0.22	0.10	0.05	0.04	0.08	0.08	0.42	0.05	5.86	0.19
SI7P1	1	N/A	N/A	N/A	1.66	N/A	N/A	10.1	7.03	5.80	2.69	N/A	2.41	1.46	0.51	0.05	0.18
SI7P2	2	0.442	0.858	1.19	1.58	3.19	N/A	7.87	0.67	2.36	1.58	N/A	0.38	0.22	0.76	0.53	1.88
SI7P3	3	2.689	2.270	2.78	3.31	6.56	1.17	1.37	0.88	3.76	0.40	0.12	0.02	0.05	0.20	0.06	0.21
SI7P4	4	0.027	0.031	0.016	0.065	0.815	0.02	0.13	0.000	0.04	0.25	0.28	0.82	0.30	0.98	0.34	0.24
SI7P6	6	0.099	0.000	0.000	0.000	0.000	0.05	0.00	0.09	0.17	0.20	0.11	0.00	0.00	0.00	0.07	0.09
SI7P8	8	0.056	0.000	0.000	0.000	0.000	0.000	0.00	0.02	0.00	0.00	0.07	0.00	0.00	0.00	0.21	0.00
SI7P10	10	0.214	0.088	0.000	0.000	0.051	0.03	0.05	0.37	0.45	0.04	0.04	0.66	0.01	0.20	0.47	0.26
Fe (mg/L)																	
Samples	Depth (m)	Before	D3	D8	D17	D20	D25	D31	D38	D45	D74	D104	D130	D160	D195	D223	D251
PR1	0	N/A	7.1	0.02	0.08	0.09	0.04	0.03	0.12	0.27	0.282	0.028	0.041	0.067	0.533	0.012	0.033
SI7P1	1	703.000	3026	1704	3617	4432	4071	4387	1081	1575	N/A	656	N/A	N/A	1556	N/A	N/A
SI7P2	2	615	472	568	624	564	534	473	471	421	393	426	417	485	484	496	450
SI7P3	3	146	98.3	127	139	111	128	123	139	144	137	190	141	202	191	185	238
SI7P4	4	383	355	352	333	348	327	315	355	377	378	372	347	441	326	368	436
SI7P6	6	598	615	627	633	658	476	583	633	644	601	578	575	621	672	677	404
SI7P8	8	634	638	707	724	722	691	688	703	661	634	655	668	630	595	573	689
SI7P10	10	412	285	467	491	489	499	495	492	492	406	382	332	284	294	317	305
Samples	Depth (m)	D285	D311	D346	D367	D407	D436	D464	D500	D528	D584	D617	D645	D671	D707	D736	D778
PR1	0	0.029	0.090	0.011	0.025	N/A	N/A	0.00	0.01	0.02	0	0.05	0.34	0.01	0.00	0.03	0.021
SI7P1	1	N/A	N/A	N/A	493	N/A	N/A	179	128	12.5	98	N/A	113	338	442	73.6	0.87
SI7P2	2	711	687	826	857	349	N/A	1056	2246	2508	2810	N/A	2947	3048	2382	1768	1295
SI7P3	3	297	296	371	300	387	280	261	498	607	536	475	482	565	600	603	856
SI7P4	4	420	422	389	315	248	311	315	395	438	441	473	392	369	345	381	359
SI7P6	6	569	579	582	465	557	477	522	533	536	474	457	423	412	482	415	365
SI7P8	8	574	546	558	576	505	543	596	582	583	436	439	435	420	453	451	415
SI7P10	10	310	287	218	178	77.3	92.2	192	317	300	239	236	189	273	279	282	229

Table S2. Cont.

Mo (mg/L)																	
Samples	Depth (m)	Before	D3	D8	D17	D20	D25	D31	D38	D45	D74	D104	D130	D160	D195	D223	D251
PR1	0	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0	0.000
SI7P1	1	0.000	0.22	0.00	0.47	1.49	0.54	0.38	0.08	0.00	N/A	0.00	N/A	N/A	0.000	N/A	N/A
SI7P2	2	0.00	0.00	0.00	0.00	0.07	0.05	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0	0.000
SI7P3	3	0.05	0.00	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0	0.000
SI7P4	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0	0.000
SI7P6	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0	0
SI7P8	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0	0
SI7P10	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0	0
Samples	Depth (m)	D285	D311	D346	D367	D407	D436	D464	D500	D528	D584	D617	D645	D671	D707	D736	D778
PR1	0	0.000	0.000	0.000	0.000	N/A	N/A	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SI7P1	1	N/A	N/A	N/A	2.93	N/A	N/A	0.00	0.05	0.06	0.00	N/A	0.00	0.00	0.00	0.00	0.69
SI7P2	2	0.000	0.000	0.000	0.607	0.000	N/A	0.06	0.21	0.32	0.11	N/A	0.00	0.00	0.00	0.00	0.000
SI7P3	3	0.000	0.000	0.000	0.047	0.000	0.06	0.05	0.05	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.000
SI7P4	4	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.000
SI7P6	6	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.000
SI7P8	8	0.000	0.000	0.000	0.000	0.000	0	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.000
SI7P10	10	0.000	0.000	0.000	0.191	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.000
SO ₄ (mg/L)																	
Samples	Depth (m)	Before	D3	D8	D17	D20	D25	D31	D38	D45	D74	D104	D130	D160	D195	D223	D251
PR1	0	N/A	4008	770	507	502	581	577	605	484	736	805	660	1085	426	470	492
SI7P1	1	3483.000	6678	4242	7212	-	7572	9555	5799	5955	N/A	3060	N/A	N/A	7815	6502.5	N/A
SI7P2	2	2554	2378	2619	2398	2634	2847	2809	2525	2272	2650	2880	2991	3135	2613	2586	2087
SI7P3	3	2635	2667	2732	2882	2831	3045	3027	2847	2807	3180	3060	2967	2795	2636	2433	2423
SI7P4	4	3612	3420	3330	3276	3477	3873	3615	3951	3642	4430	4420	4056	4743	3597	3801	2933
SI7P6	6	2835	2808	2741	2512	2825	2856	2798	2688	2545	2890	2780	2841	2731	2733	2766	3429
SI7P8	8	2873	2252	2838	2669	3078	2902	2979	2934	2573	2840	2900	2969	2713	2605	2584	2712
SI7P10	10	3483	3486	3459	3249	3522	3975	3885	3792	3315	3630	3930	4083	3513	3294	3402	2934

Table S2. Cont.

Samples	Depth (m)	SO ₄ (mg/L)															
		D285	D311	D346	D367	D407	D436	D464	D500	D528	D584	D617	D645	D671	D707	D736	D778
PR1	0	518	506	504	482	N/A	N/A	777	432	469	455	416	452	404	376	682	516
SI7P1	1	N/A	N/A	N/A	5190	N/A	N/A	1449	994	824	951	N/A	1202	2227	2443	1101	600
SI7P2	2	3483	3375	3270	2954	1405	N/A	2154	4194	4764	6396	N/A	12,819	13,740	10,491	9924	8049
SI7P3	3	3192	3030	3060	2949	3021	2670	2535	2953	3603	3573	3270	3318	3228	3267	3696	4014
SI7P4	4	3873	3585	3357	3540	3543	3020	2938	3051	2962	3198	2979	3210	2669	2561	3009	2345
SI7P6	6	2990	2688	2588	2450	2370	2110	2276	2352	2310	2273	2158	2282	1983	2506	2261	2221
SI7P8	8	2832	2693	2624	2684	2729	2800	2879	2835	2830	2450	2359	2407	2014	2092	2455	2288
SI7P10	10	3669	3486	3516	3375	3024	2970	3201	3144	3072	3093	2839	3036	2604	2621	3108	2785

Notes: D0 is the sample taken prior to the remediation; D2 is the samples taken 2 days after flooding, D10, 10 days after flooding and so one; N/A = Not available;
BDL = Below the Detection Limit.

Table S3. Evolution of chemistry from sequential extractions in the Northern Cell (Figure 4).

Fe (wt %)		Detection limit: 0.01								
Depth	Days	Day 0	Day 2	Day 4	Day 13	Day 19	Day 47	Day 104	Day 225	Day 285
10 cm	Samples	PR3D0_10	PR3D2_10	PR3D4_10	PR3D13_10	PR3D19_10	PR3D47_10	PR3D104_10	PR3D225_10	PR3D285_10
	H ₂ O	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	NH ₄ -Ac	0.19	0.24	0.2	0.24	0.19	0.31	0.2	0.23	0.19
	NH ₄ -O _x D	0.55	0.74	0.53	0.62	0.52	0.75	0.56	0.58	0.55
	NH ₄ -O _x H	0.27	0.91	1.07	0.85	0.8	0.49	0.92	0.79	0.94
	H ₂ O ₂	0.4	0.62	0.61	0.58	0.8	0.6	0.92	0.65	0.67
	Sulfide	1.38	2.13	1.67	1.54	2.12	1.43	2.83	1.71	2.73
	Residual	0.36	0.32	0.3	0.33	0.3	0.32	0.3	0.32	0.33
	Total	3.16	4.97	4.39	4.17	4.74	3.91	5.74	4.29	5.42
40 cm	Samples	PR3D0_40	PR3D2_40	PR3D4_40	PR3D13_40	PR3D19_40	PR3D47_40	PR3D104_40	PR3D225_40	PR3D285_40
	H ₂ O	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	NH ₄ -Ac	0.15	0.13	0.15	0.21	0.15	0.14	0.09	0.16	0.08
	NH ₄ -O _x D	0.57	0.63	0.81	0.84	0.49	0.51	0.19	0.52	0.18
	NH ₄ -O _x H	0.94	0.79	0.86	0.9	0.51	0.66	0.25	0.65	0.2
	H ₂ O ₂	0.9	0.04	0.05	0.05	0.02	0.08	0.11	0.12	0.07
	Sulfide	2.22	0.16	0.16	0.14	0.18	0.22	0.32	0.24	0.24
	Residual	0.31	0.33	0.33	0.3	0.31	0.35	0.3	0.35	0.29
	Total	5.09	2.08	2.36	2.44	1.66	1.96	1.26	2.04	1.06
80 cm	Samples	PR3D0_80	PR3D2_80	PR3D4_80	PR3D13_80	PR3D19_80	PR3D47_80	PR3D104_80	PR3D225_80	PR3D285_80
	H ₂ O	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	NH ₄ -Ac	0.11	0.09	0.09	0.08	0.1	0.1	0.09	0.14	0.09
	NH ₄ -O _x D	0.5	0.42	0.35	0.26	0.24	0.35	0.28	0.42	0.26
	NH ₄ -O _x H	0.76	0.48	0.34	0.29	0.26	0.43	0.31	0.5	0.23
	H ₂ O ₂	0.16	0.06	0.12	0.1	0.12	0.08	0.13	0.19	0.1
	Sulfide	0.33	0.36	0.47	0.45	0.33	0.35	0.46	0.44	0.27
	Residual	0.34	0.31	0.31	0.31	0.29	0.31	0.31	0.31	0.29
	Total	2.2	1.72	1.68	1.49	1.34	1.62	1.58	2	1.24

Table S3. Cont.

S (wt %)		Detection limit: 0.01								
Depth	Days	Day 0	Day 2	Day 4	Day 13	Day 19	Day 47	Day 104	Day 225	Day 285
10 cm	Samples	PR3D0_10	PR3D2_10	PR3D4_10	PR3D13_10	PR3D19_10	PR3D47_10	PR3D104_10	PR3D225_10	PR3D285_10
	H ₂ O	0.08	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.02
	NH ₄ -Ac	0.09	0.06	0.04	0.05	0.05	0.06	0.05	0.02	0.04
	NH ₄ -O _x D	0.19	0.28	0.2	0.19	0.16	0.25	0.17	0.16	0.17
	NH ₄ -O _x H	0.05	0.34	0.43	0.29	0.28	0.15	0.32	0.25	0.35
	H ₂ O ₂	0.6	0.85	0.84	0.79	1.04	0.84	1.23	0.89	0.87
	Sulfide	1.57	2.58	2.06	1.82	2.55	1.65	3.22	2.02	3.24
	Residual	BDL	0.01	0.01	BDL	BDL	BDL	BDL	0.01	0.02
	Total	2.58	4.14	3.6	3.16	4.1	2.98	5.01	3.38	4.71
40 cm	Samples	PR3D0_40	PR3D2_40	PR3D4_40	PR3D13_40	PR3D19_40	PR3D47_40	PR3D104_40	PR3D225_40	PR3D285_40
	H ₂ O	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	BDL
	NH ₄ -Ac	0.05	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.01
	NH ₄ -O _x D	0.19	0.1	0.11	0.12	0.09	0.08	0.04	0.08	0.03
	NH ₄ -O _x H	0.36	0.26	0.29	0.28	0.17	0.19	0.07	0.15	0.05
	H ₂ O ₂	1.17	0.11	0.12	0.12	0.12	0.18	0.29	0.26	0.21
	Sulfide	2.71	0.06	0.04	0.03	0.04	0.12	0.21	0.13	0.13
	Residual	0.01	0.01	BDL	BDL	BDL	0.01	BDL	BDL	BDL
	Total	4.52	0.57	0.59	0.59	0.45	0.61	0.64	0.65	0.43
80 cm	Samples	PR3D0_80	PR3D2_80	PR3D4_80	PR3D13_80	PR3D19_80	PR3D47_80	PR3D104_80	PR3D225_80	PR3D285_80
	H ₂ O	0.02	BDL	BDL	BDL	BDL	BDL	BDL	0.01	BDL
	NH ₄ -Ac	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.02	0.01
	NH ₄ -O _x D	0.11	0.07	0.05	0.04	0.04	0.06	0.05	0.07	0.04
	NH ₄ -O _x H	0.27	0.16	0.11	0.09	0.07	0.15	0.09	0.14	0.06
	H ₂ O ₂	0.29	0.24	0.31	0.28	0.32	0.25	0.31	0.36	0.24
	Sulfide	0.3	0.24	0.37	0.35	0.2	0.23	0.37	0.39	0.17
	Residual	0.01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Total	1.02	0.73	0.86	0.77	0.65	0.7	0.84	0.99	0.52

Table S3. Cont.

Cu (ppm)		Detection limit: 0.5								
Depth	Days	Day 0	Day 2	Day 4	Day 13	Day 19	Day 47	Day 104	Day 225	Day 285
10 cm	Samples	PR3D0_10	PR3D2_10	PR3D4_10	PR3D13_10	PR3D19_10	PR3D47_10	PR3D104_10	PR3D225_10	PR3D285_10
	H ₂ O	100	6.1	0.5	2.1	0.7	0.5	0.5	0.5	0.6
	NH ₄ -Ac	1980	202	47.9	226	51.1	170	39.1	82.4	107
	NH ₄ -O _x D	248	143	65.8	129	85.6	163	51.4	76.3	87.7
	NH ₄ -O _x H	4	29.8	38.7	39.2	30.5	19.8	58.1	58.4	86.9
	H ₂ O ₂	238	358	294	364	209	308	169	221	254
	Sulfide	38.7	49.7	46.5	51.4	34.3	33.8	45.1	38.8	58
	Residual	5.2	2.4	2.2	2	1.7	1.9	1.5	2.4	4.2
	Total	2613.9	791	495.6	813.7	412.9	697	364.7	479.8	598.4
40 cm	Samples	PR3D0_40	PR3D2_40	PR3D4_40	PR3D13_40	PR3D19_40	PR3D47_40	PR3D104_40	PR3D225_40	PR3D285_40
	H ₂ O	3.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
	NH ₄ -Ac	109	42.6	35.8	45.4	48.6	46.4	82.6	84.6	90.3
	NH ₄ -O _x D	115	149	119	104	62.5	122	50.6	112	45.9
	NH ₄ -O _x H	47.8	43.3	27.9	30.6	11.5	53	16.4	56.4	16.7
	H ₂ O ₂	191	403	290	309	414	337	824	350	753
	Sulfide	31.5	121	405	336	518	39.1	92.6	36.7	85.3
	Residual	1.9	3.1	2.3	1.3	2.9	2.2	1.9	1	1.5
	Total	499.3	762	880	826.3	1057.5	599.7	1068.1	640.7	993.6
80 cm	Samples	PR3D0_80	PR3D2_80	PR3D4_80	PR3D13_80	PR3D19_80	PR3D47_80	PR3D104_80	PR3D225_80	PR3D285_80
	H ₂ O	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	NH ₄ -Ac	108	75.3	75.8	65.4	96.8	60.6	72.1	76	91.2
	NH ₄ -O _x D	138	104	93.9	75.7	79	86.1	71.1	89.8	72
	NH ₄ -O _x H	51	21.5	23.3	18.4	20.4	22.8	22	35.3	20.5
	H ₂ O ₂	330	947	1240	1000	958	736	853	525	745
	Sulfide	29.1	101	124	122	93.4	80.5	95.1	52.4	79.2
	Residual	3.2	2.7	1.8	2	1.2	1.9	2	1.9	1.8
	Total	659.3	1251.5	1558.8	1283.5	1248.8	987.9	1115.3	780.4	1009.7

Table S3. Cont.

Zn (ppm)		Detection limit: 0.5								
Depth	Days	Day 0	Day 2	Day 4	Day 13	Day 19	Day 47	Day 104	Day 225	Day 285
10 cm	Samples	PR3D0_10	PR3D2_10	PR3D4_10	PR3D13_10	PR3D19_10	PR3D47_10	PR3D104_10	PR3D225_10	PR3D285_10
	H ₂ O	8.8	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5
	NH ₄ -Ac	13.8	3.6	1.8	10.2	2.3	4.6	1.8	2.9	2.7
	NH ₄ -O _x D	8.4	5.9	11.5	32	2.7	5.9	1.5	2.6	1.8
	NH ₄ -O _x H	10	8.1	5.2	19	5.6	8.1	4.6	4.9	5
	H ₂ O ₂	1.6	2.1	2.1	2	2.4	2.3	1.8	1.7	1.5
	Sulfide	8.6	5.9	3.9	5.8	4.6	6	3.8	4.1	4.3
	Residual	11.5	9.8	9.3	10.2	9.7	10.2	9.5	10.1	10.7
	Total	62.7	35.4	33.8	79.8	27.3	37.1	23	26.3	26
40 cm	Samples	PR3D0_40	PR3D2_40	PR3D4_40	PR3D13_40	PR3D19_40	PR3D47_40	PR3D104_40	PR3D225_40	PR3D285_40
	H ₂ O	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	NH ₄ -Ac	4.3	2.2	2.4	2.9	3.5	2.3	3.3	3.1	3.2
	NH ₄ -O _x D	3.6	4.3	5.8	5.7	6.5	3.5	2.9	3.8	2.8
	NH ₄ -O _x H	4.4	7.4	8.1	7.7	6.5	6.9	4.8	7.5	4.5
	H ₂ O ₂	1.8	1.6	2.1	1.9	1.8	1.4	1.6	2.3	1.1
	Sulfide	2.6	4.2	5.1	4.6	5.7	4.6	4.3	4.3	4.1
	Residual	9	10.6	10.3	9.5	10.8	11.1	10.5	10.5	9.1
	Total	26.2	30.8	34.3	32.8	35.3	30.3	27.9	32	25.3
80 cm	Samples	PR3D0_80	PR3D2_80	PR3D4_80	PR3D13_80	PR3D19_80	PR3D47_80	PR3D104_80	PR3D225_80	PR3D285_80
	H ₂ O	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	NH ₄ -Ac	6.3	2.4	2.4	2.4	3.8	2.6	3	3.5	3.2
	NH ₄ -O _x D	3.4	4	4.2	3.4	4.3	3.8	3.2	4.1	3.1
	NH ₄ -O _x H	5.6	5.4	5.1	5	5.3	5.3	4.4	5.4	4.5
	H ₂ O ₂	1.4	1.5	1.6	1.7	1.7	1.8	1.4	1.6	1.5
	Sulfide	3	4	4.5	4.1	3.8	4.5	4.2	4.2	3.8
	Residual	10.8	10.3	10.1	10.2	9.9	10.9	10.3	9.9	9.3
	Total	31	28.1	28.4	27.3	29.3	29.4	27	29.2	25.9

Table S3. Cont.

As (ppm)		Detection limit: 3								
Depth	Days	Day 0	Day 2	Day 4	Day 13	Day 19	Day 47	Day 104	Day 225	Day 285
10 cm	Samples	PR3D0_10	PR3D2_10	PR3D4_10	PR3D13_10	PR3D19_10	PR3D47_10	PR3D104_10	PR3D225_10	PR3D285_10
	H ₂ O	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	NH ₄ -Ac	BDL	BDL	BDL	BDL	BDL	7	BDL	6	6
	NH ₄ -O _x D	5	5	BDL	6	3	17	12	24	30
	NH ₄ -O _x H	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	9
	H ₂ O ₂	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Sulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Residual	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Total	5	5	0	6	3	24	15	35	45
40 cm	Samples	PR3D0_40	PR3D2_40	PR3D4_40	PR3D13_40	PR3D19_40	PR3D47_40	PR3D104_40	PR3D225_40	PR3D285_40
	H ₂ O	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	NH ₄ -Ac	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	NH ₄ -O _x D	3	6	5	5	4	5	BDL	14	BDL
	NH ₄ -O _x H	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	BDL
	H ₂ O ₂	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Sulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Residual	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Total	3	6	5	5	4	5	0	19	0
80 cm	Samples	PR3D0_80	PR3D2_80	PR3D4_80	PR3D13_80	PR3D19_80	PR3D47_80	PR3D104_80	PR3D225_80	PR3D285_80
	H ₂ O	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	NH ₄ -Ac	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	NH ₄ -O _x D	4	5	6	4	4	4	3	5	3
	NH ₄ -O _x H	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	H ₂ O ₂	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Sulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Residual	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Total	4	5	6	4	4	4	3	5	3

Table S3. Cont.

Mo (ppm)	Detection limit: 1									
Depth	Days	Day 0	Day 2	Day 4	Day 13	Day 19	Day 47	Day 104	Day 225	Day 285
10 cm	Samples	PR3D0_10	PR3D2_10	PR3D4_10	PR3D13_10	PR3D19_10	PR3D47_10	PR3D104_10	PR3D225_10	PR3D285_10
	H ₂ O	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	NH ₄ -Ac	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	NH ₄ -O _x D	14	6	3	7	4	7	4	5	5
	NH ₄ -O _x H	1	2	3	4	2	2	4	6	7
	H ₂ O ₂	55	45	47	46	36	48	44	44	37
	Sulfide	65	68	68	67	76	67	91	70	69
	Residual	4	1	4	2	2	3	4	4	4
	Total	139	122	125	126	120	127	147	129	122
40 cm	Samples	PR3D0_40	PR3D2_40	PR3D4_40	PR3D13_40	PR3D19_40	PR3D47_40	PR3D104_40	PR3D225_40	PR3D285_40
	H ₂ O	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	NH ₄ -Ac	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	NH ₄ -O _x D	10	43	53	58	44	26	14	18	12
	NH ₄ -O _x H	6	11	15	19	10	12	6	12	4
	H ₂ O ₂	33	35	28	32	11	38	5	36	6
	Sulfide	74	46	28	20	32	56	42	66	40
	Residual	3	BDL	BDL	BDL	BDL	1	BDL	1	BDL
	Total	126	135	124	129	97	133	67	133	62
80 cm	Samples	PR3D0_80	PR3D2_80	PR3D4_80	PR3D13_80	PR3D19_80	PR3D47_80	PR3D104_80	PR3D225_80	PR3D285_80
	H ₂ O	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	NH ₄ -Ac	BDL	1	1	1	1	BDL	BDL	BDL	BDL
	NH ₄ -O _x D	32	41	40	28	26	27	22	23	17
	NH ₄ -O _x H	9	6	5	4	5	7	6	9	5
	H ₂ O ₂	32	2	2	3	3	4	3	13	6
	Sulfide	58	43	52	56	43	45	48	40	51
	Residual	2	BDL	2	1	BDL	BDL	BDL	BDL	BDL
	Total	133	93	102	93	78	83	79	85	79

Notes: D0 is the sample taken prior to the remediation; D3 is the samples taken 3 days after flooding, D10, 10 days after flooding and so one; N/A = Not available; BDL = Below the Detection Limit; H₂O = 1. Step: water leach; NH₄-Ac = 2. Step: 1 M ammonium acetate leach; NH₄-O_xD = 3. Step: 0.2 M ammonium oxalate, darkness leach; NH₄-O_xH = 4. Step: 0.2 M ammonium oxalate, heat leach; H₂O₂ = 5. Step: 35% peroxide leach; sulfide = 6. Step: KClO₃, HCl, 4 M HNO₃ leach; residual = 7. Step: HNO₃, HF, HClO₄, HCL leach; total = sum of step 1 to step 7.

Table S4. Evolution of chemistry from sequential extractions in the Delta Cell (Figure 7).

Fe (wt %)		Detection limit: 0.01										
Depth	Days	Day 0	Day 3	Day 7	Day 14	Day 23	Day 44	Day 103	Day 223	Day 346	Day 509	Day 593
0 cm	Samples	PR1D0_0	PR1D3_0	PR1D7_0	PR1D14_0	PR1D23_0	PR1D44_0	PR1D103_0	PR1D223_0	PR1D346_0	PR1D509_0	PR1D593_0
	H ₂ O	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	NH ₄ -Ac	0.06	0.11	0.17	0.19	0.13	0.07	0.14	0.32	0.18	0.12	0.16
	NH ₄ -O _x D	0.15	0.2	0.4	0.57	0.31	0.45	0.35	0.47	0.38	0.5	0.46
	NH ₄ -O _x H	0.24	0.61	0.6	0.57	0.48	0.59	0.46	0.4	0.45	0.66	0.51
	H ₂ O ₂	0.59	0.51	0.54	0.54	0.55	0.52	0.65	0.49	0.65	0.57	0.59
	Sulfide	1.37	0.92	0.92	1.45	0.98	1.4	1.32	1.31	1.08	1.05	1.38
	Residual	0.42	0.29	0.3	0.39	0.41	0.44	0.35	0.34	0.34	0.39	0.38
	Total	2.83	2.64	2.93	3.71	2.86	3.47	3.27	3.33	3.08	3.29	3.48
15 cm	Samples	PR1D0_15	PR1D3_15	PR1D7_15	PR1D14_15	PR1D23_15	PR1D44_15	PR1D103_15	PR1D223_15	PR1D346_15	PR1D509_15	PR1D593_15
	H ₂ O	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	NH ₄ -Ac	0.17	0.08	0.08	0.07	0.1	0.1	0.07	0.05	0.08	0.04	0.07
	NH ₄ -O _x D	0.46	0.42	0.58	0.77	0.45	0.94	0.5	0.54	0.55	0.54	0.8
	NH ₄ -O _x H	0.73	0.71	1.04	1.4	0.68	1.41	0.51	0.55	0.6	0.54	1.34
	H ₂ O ₂	0.6	0.33	0.53	0.47	0.46	0.69	0.48	0.45	0.56	0.38	0.58
	Sulfide	1.27	1.33	1.34	1.24	1.33	2.1	1.63	1.69	1.44	1.63	1.77
	Residual	0.35	0.45	0.45	0.47	0.43	0.44	0.44	0.45	0.4	0.47	0.45
	Total	3.58	3.32	4.02	4.42	3.45	5.68	3.63	3.73	3.63	3.6	5.01
100 cm	Samples	PR1D0_100	PR1D3_100	PR1D7_100	PR1D14_80	PR1D23_80	PR1D44_100	PR1D103_100	PR1D223_100	PR1D346_100	PR1D509_100	PR1D593_100
	H ₂ O	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	NH ₄ -Ac	0.12	0.15	0.26	0.1	0.13	0.27	0.2	0.25	0.1	0.14	0.13
	NH ₄ -O _x D	0.23	0.38	0.2	0.31	0.44	0.34	0.31	0.33	0.16	0.21	0.19
	NH ₄ -O _x H	0.16	0.16	0.18	0.87	1.16	0.15	0.14	0.15	0.13	0.13	0.14
	H ₂ O ₂	0.34	0.33	0.57	0.32	0.06	0.39	0.35	0.36	0.48	0.26	0.32
	Sulfide	1.56	1.6	1.22	0.79	0.15	1.36	1.41	1.32	1.15	1.57	1.32
	Residual	0.4	0.43	0.33	0.38	0.39	0.37	0.38	0.32	0.3	0.38	0.36
	Total	2.81	3.05	2.76	2.77	2.33	2.88	2.79	2.73	2.32	2.69	2.46

Table S4. Cont.

S (wt %) Detection limit: 0.01												
Depth	Days	Day 0	Day 3	Day 7	Day 14	Day 23	Day 44	Day 103	Day 223	Day 346	Day 509	Day 593
0 cm	Samples	PR1D0_0	PR1D3_0	PR1D7_0	PR1D14_0	PR1D23_0	PR1D44_0	PR1D103_0	PR1D223_0	PR1D346_0	PR1D509_0	PR1D593_0
	H ₂ O	0.08	0.38	0.35	0.09	0.16	0.15	0.09	0.04	0.08	0.12	0.04
	NH ₄ -Ac	0.09	0.4	0.28	0.13	0.1	0.09	0.07	0.05	0.05	0.07	0.03
	NH ₄ -O _x D	0.06	0.24	0.26	0.12	0.16	0.12	0.12	0.05	0.08	0.13	0.06
	NH ₄ -O _x H	0.06	0.27	0.3	0.12	0.2	0.17	0.16	0.1	0.11	0.23	0.12
	H ₂ O ₂	0.85	0.8	0.86	0.81	0.8	0.75	0.92	0.72	0.94	0.82	0.83
	Sulfide	1.55	1	0.97	1.59	1.09	1.61	1.53	1.51	1.2	1.06	1.55
	Residual	0.02	<0.01	<0.01	0.02	<0.01	<0.01	0.01	0.01	<0.01	0.01	<0.01
	Total	2.71	3.09	3.02	2.88	2.51	2.89	2.9	2.48	2.46	2.44	2.63
15 cm	Samples	PR1D0_15	PR1D3_15	PR1D7_15	PR1D14_15	PR1D23_15	PR1D44_15	PR1D103_15	PR1D223_15	PR1D346_15	PR1D509_15	PR1D593_15
	H ₂ O	0.11	0.12	0.06	0.07	0.21	0.07	0.11	0.06	0.05	0.06	0.05
	NH ₄ -Ac	0.09	0.1	0.04	0.06	0.2	0.06	0.05	0.03	0.03	0.04	0.04
	NH ₄ -O _x D	0.06	0.12	0.07	0.1	0.15	0.11	0.07	0.04	0.05	0.04	0.07
	NH ₄ -O _x H	0.14	0.22	0.3	0.44	0.21	0.42	0.18	0.13	0.14	0.14	0.4
	H ₂ O ₂	0.87	0.53	0.74	0.72	0.67	1	0.7	0.67	0.82	0.62	0.83
	Sulfide	1.43	1.51	1.34	1.23	1.5	2.39	1.82	1.83	1.53	1.65	1.88
	Residual	0.01	0.05	0.01	<0.01	0.01	<0.01	0.01	0.01	<0.01	0.01	<0.01
	Total	2.71	2.65	2.56	2.62	2.95	4.05	2.94	2.77	2.62	2.56	3.27
100 cm	Samples	PR1D0_100	PR1D3_100	PR1D7_100	PR1D14_80	PR1D23_80	PR1D44_100	PR1D103_100	PR1D223_100	PR1D346_100	PR1D509_100	PR1D593_100
	H ₂ O	0.03	0.03	0.05	0.06	0.07	0.04	0.05	0.08	0.12	0.04	0.04
	NH ₄ -Ac	0.03	0.02	0.03	0.03	0.03	0.02	0.02	0.06	0.15	0.02	0.03
	NH ₄ -O _x D	0.02	0.01	0.01	0.1	0.14	0.01	0.01	0.04	0.1	<0.01	0.01
	NH ₄ -O _x H	0.02	0.01	0.02	0.31	0.4	0.01	0.01	0.01	0.02	0.01	0.01
	H ₂ O ₂	0.5	0.53	0.86	0.52	0.12	0.63	0.56	0.56	0.72	0.48	0.58
	Sulfide	1.79	1.77	1.3	0.77	0.02	1.47	1.53	1.45	1.33	1.68	1.44
	Residual	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02
	Total	2.41	2.39	2.29	1.81	0.79	2.2	2.2	2.22	2.46	2.25	2.13

Table S4. Cont.

Cu (ppm) Detection limit: 0.5												
Depth	Days	Day 0	Day 3	Day 7	Day 14	Day 23	Day 44	Day 103	Day 223	Day 346	Day 509	Day 593
0 cm	Samples	PR1D0_0	PR1D3_0	PR1D7_0	PR1D14_0	PR1D23_0	PR1D44_0	PR1D103_0	PR1D223_0	PR1D346_0	PR1D509_0	PR1D593_0
	H ₂ O	152	849	520	231	1.9	117	1.7	4.4	0.8	4.5	0.6
	NH ₄ -Ac	537	1330	2660	1240	341	870	199	699	267	147	143
	NH ₄ -O _x D	173	347	499	310	183	336	140	277	152	142	109
	NH ₄ -O _x H	40.9	49.4	81.8	12	25.7	30.2	28.9	56.6	48.3	114	54
	H ₂ O ₂	127	159	196	143	195	146	225	678	184	106	210
	Sulfide	31.7	22	27.8	23	21.9	23.5	26.2	82.6	22.8	22.6	35.3
	Residual	7.6	10.4	15.3	8.6	3.2	11.9	3.1	5.2	1.9	4.2	2.5
	Total	1069.2	2766.8	3999.9	1967.6	771.7	1534.6	623.9	1802.8	676.8	540.3	554.4
15 cm	Samples	PR1D0_15	PR1D3_15	PR1D7_15	PR1D14_15	PR1D23_15	PR1D44_15	PR1D103_15	PR1D223_15	PR1D346_15	PR1D509_15	PR1D593_15
	H ₂ O	31.6	348	4.3	15.2	545	10.7	6.2	1.2	<0.5	9.7	0.5
	NH ₄ -Ac	1540	496	284	288	921	407	254	79.8	62.7	110	39.8
	NH ₄ -O _x D	289	209	215	254	310	356	237	163	136	152	141
	NH ₄ -O _x H	13.3	104	24.3	51.6	79.7	39.5	47.4	35.4	13.8	49	87.2
	H ₂ O ₂	190	82.3	159	121	138	243	145	242	182	316	254
	Sulfide	24.2	20.8	29.7	22.3	22.3	44.9	27.5	39.7	22.6	57.3	45.5
	Residual	7.2	14.2	4.8	6.8	13.3	5.2	6.7	4.6	2.9	7.2	4.4
	Total	2095.3	1274.3	721.1	758.9	2029.3	1106.3	723.8	565.7	420	701.2	572.4
100 cm	Samples	PR1D0_100	PR1D3_100	PR1D7_100	PR1D14_80	PR1D23_80	PR1D44_100	PR1D103_100	PR1D223_100	PR1D346_100	PR1D509_100	PR1D593_100
	H ₂ O	13.5	6	0.6	<0.5	0.9	0.5	0.9	65.5	290	7.6	3
	NH ₄ -Ac	769	387	331	49	93.5	291	399	1100	1920	692	883
	NH ₄ -O _x D	90	77.8	131	38	46.4	97.7	70.6	142	194	107	156
	NH ₄ -O _x H	16.5	19.2	39.9	41.1	24.7	26.7	24.9	4.2	11.1	27.1	58.9
	H ₂ O ₂	713	618	774	409	269	731	595	370	161	829	1020
	Sulfide	189	178	133	67.8	321	166	158	119	44.2	243	228
	Residual	7.2	5.6	2.1	2.9	2.8	3.7	3.4	5.7	13.6	10	15.7
	Total	1798.2	1291.6	1411.6	607.8	758.3	1316.6	1251.8	1806.4	2633.9	1915.7	2364.6

Table S4. Cont.

Zn (ppm) Detection limit: 0.5												
Depth	Days	Day 0	Day 3	Day 7	Day 14	Day 23	Day 44	Day 103	Day 223	Day 346	Day 509	Day 593
0 cm	Samples	PR1D0_0	PR1D3_0	PR1D7_0	PR1D14_0	PR1D23_0	PR1D44_0	PR1D103_0	PR1D223_0	PR1D346_0	PR1D509_0	PR1D593_0
	H ₂ O	12.2	40.6	25.7	34	0.5	13.1	<0.5	<0.5	<0.5	<0.5	<0.5
	NH ₄ -Ac	8.9	10.8	12.4	25	13.5	12.5	7	22.4	9	2.4	4.1
	NH ₄ -O _x D	1.9	2.4	2.4	6	4.3	5.9	4	8	4.6	3.1	4.3
	NH ₄ -O _x H	6.3	8.3	7.7	8.8	7.4	8.8	8	10.3	8.4	7.2	9.4
	H ₂ O ₂	1.4	1	0.9	1.3	1.1	1.1	1.5	2.1	1.5	1.4	1.4
	Sulfide	5.3	3.1	3.7	7.2	4.7	7.1	5	5.3	5.1	6.8	6.5
	Residual	10.5	10.8	9	10.9	10.2	13.8	10	11	10.4	12.8	11.5
	Total	46.5	77	61.8	93.2	41.7	62.3	35.5	59.1	39	33.7	37.2
15 cm	Samples	PR1D0_15	PR1D3_15	PR1D7_15	PR1D14_15	PR1D23_15	PR1D44_15	PR1D103_15	PR1D223_15	PR1D346_15	PR1D509_15	PR1D593_15
	H ₂ O	20.5	28.8	4	6.2	25.4	3.4	1	<0.5	<0.5	<0.5	<0.5
	NH ₄ -Ac	54.9	11.5	18.7	10.6	11.1	13.6	7	2.8	2.9	2.8	2.9
	NH ₄ -O _x D	7.7	2.4	6.4	5.6	2.8	7.5	5	7	5.4	5	5.8
	NH ₄ -O _x H	12.9	6.1	10	7.9	7.9	9.9	7.8	9.7	8.5	9.2	10
	H ₂ O ₂	1.8	<0.5	1.7	1	<0.5	1.6	0.8	0.7	1.2	1.4	1.9
	Sulfide	5	7	10	9.8	6.1	8.8	8.4	8.4	7	11	10
	Residual	13.5	17.4	15	14.3	13.2	14.7	15.1	14.9	13.4	17.8	13.7
	Total	116.3	73.2	65.8	55.4	66.5	59.5	45.1	43.5	38.4	47.2	44.3
100 cm	Samples	PR1D0_100	PR1D3_100	PR1D7_100	PR1D14_80	PR1D23_80	PR1D44_100	PR1D103_100	PR1D223_100	PR1D346_100	PR1D509_100	PR1D593_100
	H ₂ O	3.5	1.6	<0.5	<0.5	<0.5	1	1	20.9	32.8	1.5	<0.5
	NH ₄ -Ac	57.5	35	90.1	3.6	5.3	105	118	37.3	25.5	36.3	25.2
	NH ₄ -O _x D	15.5	18	25.9	2.3	2.8	41.2	32.5	10.4	6.4	15.7	14.3
	NH ₄ -O _x H	16.5	18.9	21	7.8	7.5	21.7	17.1	11.2	11.4	19.7	18
	H ₂ O ₂	5.5	6.3	13.5	1.6	2.1	12.1	12.4	4.1	3.3	9.2	14.4
	Sulfide	9.7	10.7	8.6	7.4	6.7	10.2	13.3	10	7.7	13.4	10.4
	Residual	19.2	20.2	16.5	25.3	18.6	18.2	20.6	15.7	15.7	19.2	18.5
	Total	127.4	110.7	175.6	48	43	209.4	214.9	109.6	102.8	115	100.8

Table S4. Cont.

As (ppm)	Detection limit: 3											
Depth	Days	Day 0	Day 3	Day 7	Day 14	Day 23	Day 44	Day 103	Day 223	Day 346	Day 509	Day 593
0 cm	Samples	PR1D0_0	PR1D3_0	PR1D7_0	PR1D14_0	PR1D23_0	PR1D44_0	PR1D103_0	PR1D223_0	PR1D346_0	PR1D509_0	PR1D593_0
	H ₂ O	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	NH ₄ -Ac	<3	<3	<3	<3	<3	<3	4	47	7	6	15
	NH ₄ -O _x D	3	<3	4	6	7	6	14	116	29	34	54
	NH ₄ -O _x H	<3	<3	<3	<3	<3	<3	4	11	6	7	12
	H ₂ O ₂	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	Sulfide	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	Residual	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	Total	3	0	4	6	7	6	22	174	42	47	81
15 cm	Samples	PR1D0_15	PR1D3_15	PR1D7_15	PR1D14_15	PR1D23_15	PR1D44_15	PR1D103_15	PR1D223_15	PR1D346_15	PR1D509_15	PR1D593_15
	H ₂ O	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	NH ₄ -Ac	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	NH ₄ -O _x D	5	5	<3	3	6	4	7	5	6	4	<3
	NH ₄ -O _x H	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	H ₂ O ₂	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	Sulfide	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	Residual	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	Total	5	5	0	3	6	4	7	5	6	4	0
100 cm	Samples	PR1D0_100	PR1D3_100	PR1D7_100	PR1D14_80	PR1D23_80	PR1D44_100	PR1D103_100	PR1D223_100	PR1D346_100	PR1D509_100	PR1D593_100
	H ₂ O	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	NH ₄ -Ac	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	NH ₄ -O _x D	<3	3	<3	<3	<3	<3	3	4	<3	<3	<3
	NH ₄ -O _x H	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	H ₂ O ₂	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	Sulfide	<3	3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	Residual	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
	Total	0	6	0	0	0	0	3	4	0	0	0

Table S4. Cont.

Mo (ppm) Detection limit: 1												
Depth	Days	Day 0	Day 3	Day 7	Day 14	Day 23	Day 44	Day 103	Day 223	Day 346	Day 509	Day 593
0 cm	Samples	PR1D0_0	PR1D3_0	PR1D7_0	PR1D14_0	PR1D23_0	PR1D44_0	PR1D103_0	PR1D223_0	PR1D346_0	PR1D509_0	PR1D593_0
	H ₂ O	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	NH ₄ -Ac	<1	4	<1	<1	<1	<1	<1	<1	<1	<1	<1
	NH ₄ -O ₃ D	4	13	14	13	9	4	11	4	6	8	3
	NH ₄ -O ₃ H	<1	4	3	1	4	1	5	3	4	6	2
	H ₂ O ₂	37	21	19	31	37	39	32	32	35	40	38
	Sulfide	40	23	37	41	36	41	43	26	36	36	42
	Residual	2	2	2	2	1	3	4	26	2	5	4
	Total	83	67	75	88	87	88	95	91	83	95	89
15 cm	Samples	PR1D0_15	PR1D3_15	PR1D7_15	PR1D14_15	PR1D23_15	PR1D44_15	PR1D103_15	PR1D223_15	PR1D346_15	PR1D509_15	PR1D593_15
	H ₂ O	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	NH ₄ -Ac	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	NH ₄ -O ₃ D	11	11	3	4	11	6	5	2	2	3	3
	NH ₄ -O ₃ H	2	3	1	2	2	2	1	<1	<1	<1	2
	H ₂ O ₂	39	27	63	64	35	65	41	36	31	35	63
	Sulfide	36	42	55	70	39	74	46	52	48	53	65
	Residual	2	7	12	4	4	15	10	7	3	9	7
	Total	90	90	134	144	91	162	103	97	84	100	140

Table S4. Cont.

Mo (ppm) Detection limit: 1												
Depth	Days	Day 0	Day 3	Day 7	Day 14	Day 23	Day 44	Day 103	Day 223	Day 346	Day 509	Day 593
100 cm	Samples	PR1D0_100	PR1D3_100	PR1D7_100	PR1D14_80	PR1D23_80	PR1D44_100	PR1D103_100	PR1D223_100	PR1D346_100	PR1D509_100	PR1D593_100
	H ₂ O	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	NH ₄ -Ac	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1
	NH ₄ -O _x D	2	2	2	1	14	2	3	3	3	2	1
	NH ₄ -O _x	<1	<1	<1	2	13	<1	<1	<1	<1	<1	<1
	H ₂ O ₂	26	9	25	28	41	11	15	26	34	5	6
	Sulfide	103	82	52	44	13	68	66	52	43	85	69
	Residual	23	19	<1	2	<1	2	3	3	1	6	3
	Total	154	112	79	77	81	83	87	84	82	98	79

Notes: D0 is the sample taken prior to the remediation; D3 is the samples taken 3 days after flooding, D10, 10 days after flooding and so one; N/A = Not available; BDL = Below the Detection Limit; H₂O = 1. Step: water leach; NH₄-Ac = 2. Step: 1 M ammonium acetate leach; NH₄-O_xD = 3. Step: 0.2 M ammonium oxalate, darkness leach; NH₄-O_xH = 4. Step: 0.2 M ammonium oxalate, heat leach; H₂O₂ = 5. Step: 35% peroxide leach; sulfide = 6. Step: KClO₃, HCl, 4 M HNO₃ leach; residual = 7. Step: HNO₃, HF, HClO₄, HCL leach; total = sum of step 1 to step 7.