Appendix 1. Water concentration of six selected metals along the reactive material profile. Those data are shown in figures 2, 3 and 4

August 2007

Depth (cm)	Fe		Al		Ca		Zn		Co		Ni	
-25	792	(3.68)	140	(2.68)	154	(1.6)	22	(0.78)	530	(1.67)	169	(1.34)
-5	669	(0.79)	144	(1.45)	162	(1.44)	21	(2.97)	545	(0.71)	169	(0.19)
15	691	(2.02)	146	(1.9)	163	(1.73)	22	(2.3)	572	(1.77)	174	(0.07)
25	639	(3.37)	234	(1.53)	211	(1.52)	23	(2.68)	572	(1.35)	180	(3.6)
50	610	(2.19)	62	(1.1)	394	(3.14)	23	(3.67)	593	(0.9)	196	(1.93)
65	601	(1.84)	0,69	(1.34)	581	(2.17)	17	(2.26)	584	(1.29)	186	(0.78)
80	605	(2.65)	0,52	(1.08)	551	(1.8)	18	(3.45)	584	(0.79)	180	(1.48)
175	615	(3.13)	0,14	(3.8)	558	(3.11)	8,6	(4.17)	626	(0.57)	247	(1.83)
230	627	(0.28)	0,5	(0.8)	589	(3.22)	5	(4.55)	137	(2.2)	9,69	(4.34)
280	623	(2.7)	0,81	(1.58)	556	(2.7)	11	(1.28)	386	(1.13)	45	(1.84)

November 2007

Depth (cm)	Fe		Al		Ca		Zn		Co		Ni	
-25	808	(1.44)	137	(2.51)	172	(2.31)	20	(1.32)	496	(0.2)	172	(2.56)
-5	716	(2.19)	141	(1.68)	177	(0.76)	21	(2.33)	510	(0.54)	181	(3.55)
15	734	(1.32)	144	(0.47)	179	(1.34)	22	(1.04)	546	(0.74)	194	(2.22)
25	730	(1.37)	153	(3.65)	200	(1.85)	24	(2.57)	571	(1.02)	193	(1.32)
50	607	(0.96)	214	(2.72)	271	(2.59)	22	(1.52)	515	(1.27)	184	(1.09)
65	582	(1.64)	2	(0.97)	761	(1.03)	26	(1.28)	528	(0.55)	190	(0.76)
80	587	(1.52)	1,2	(0.91)	725	(3.68)	27	(1.79)	542	(1.64)	194	(2.01)
175	610	(1.22)	1,1	(0.6)	763	(1.21)	30	(0.88)	569	(2.19)	197	(0.95)
230	611	(1.29)	1	(1.6)	742	(0.93)	1,8	(1.47)	329	(1.53)	n.d.	
280	620	(1.89)	1,6	(0.27)	726	(2.5)	15	(2.13)	453	(0.92)	84	(2.29)

May 2008

Depth (cm)	Fe		Al		Ca		Zn		Co		Ni	
-25	760	(1.22)	135	(1.33)	169	(2.64)	21	(1.05)	478	(1.64)	174	(0.53)
-5	750	(1.73)	139	(1.6)	169	(2.47)	20	(1.01)	476	(1.53)	173	(0.22)
15	748	(2.07)	141	(3)	169	(2.53)	21	(1.95)	488	(1.82)	178	(0.56)
25	760	(3.05)	141	(0.98)	167	(1.56)	21	(1.44)	493	(0.58)	176	(0.86)
50	712	(1.99)	172	(3.11)	270	(4.95)	24	(1.14)	538	(1.06)	196	(1.43)
65	680	(1.91)	200	(2.9)	779	(1.81)	22	(2.16)	540	(0.97)	195	(1.21)
80	649	(1.19)	0,81	(0.42)	719	(1.25)	21	(1.86)	545	(0.85)	198	(1.66)
175	663	(2.93)	1,4	(0.41)	794	(1.36)	31	(2.97)	604	(3.56)	210	(2.03)
230	679	(1.85)	2	(0.47)	773	(2.82)	30	(0.52)	577	(3.61)	100	(2.93)
280	688	(2.71)	1,8	(0.8)	676	(2.81)	19	(1.13)	484	(0.75)	130	(1.31)

Numbers in brachets correspond to relative standard deviation (RSD) in %