

Supplement S1. Elemental composition of plant and soil samples

			Elemental content [ppm]																		
			Mo	Cu	Pb	Zn	Ni	Co	Mn	Sr	Cd	Cr	Fe	Ca	P	Mg	Al	Na	K	S	
non-affected by fire	Solidago canadensis	root	0.14	12.26	5.56	52.6	1.2	0.40	35	28.3	0.70	1.8	700	5000	1940	950	500	40	11500	800	
		washed	aboveground parts of plant	0.14	6.77	2.25	104.0	0.3	0.09	58	36.0	1.05	1.0	140	9800	1730	1440	<100	30	6900	1000
		unwashed		0.09	4.33	1.34	68.2	0.3	0.08	33	29.0	0.91	1.1	140	6500	1480	850	100	20	8500	500
	Calamagrostis epigejos	root	0.48	24.62	13.36	257.0	3.1	1.18	169	15.0	2.02	3.5	1630	3000	1450	710	1000	60	4300	1900	
		washed	aboveground parts of plant	0.39	4.26	4.23	46.5	0.6	0.21	100	8.1	0.49	1.4	200	1900	730	500	100	20	4100	1100
		unwashed		0.37	3.76	4.83	48.1	0.8	0.28	96	7.3	0.43	1.7	440	1700	770	510	300	30	4800	1100
	soil			1.40	55.30	181.70	747.0	37.9	14.40	1210	145	3.90	70.0	41600	25200	870	8000	60400	2770	8E+05	2000
affected by fire	Solidago canadensis	root	0.66	10.78	5.99	45.4	1.6	0.65	66	30.6	0.55	2.2	880	7500	1770	840	600	250	15700	1000	
		washed	aboveground parts of plant	0.39	3.55	1.53	36.6	0.2	0.17	161	34.0	0.62	1.0	120	8800	740	590	100	190	8300	500
		unwashed		0.44	4.54	1.81	38.8	0.6	0.21	182	32.9	0.63	1.4	210	8800	1320	670	100	150	8700	800
	Calamagrostis epigejos	root	0.34	14.52	5.84	148.0	4.2	1.31	291	15.5	0.39	6.7	2640	6600	880	840	2000	30	3500	800	
		washed	aboveground parts of plant	0.47	2.30	2.61	35.2	0.5	0.15	725	11.4	0.22	1.4	230	3700	430	420	100	10	4800	1300
		unwashed		0.60	2.82	2.97	42.1	1.0	0.29	730	13.0	0.24	2.1	460	4500	410	450	300	20	4400	1300
	soil			0.60	16.40	79.70	309.0	23.3	8.30	534	98.0	1.60	54	20400	21100	310	4200	42300	4440	9E+05	1000