

10 Appendix

Appendix 1: Electrical conductivity and pH for first pore water extraction.

Table 1:

Arugula					Grass				
Sample #	pH	EC uS/cm	unit	Dilution	Sample #	pH	EC	unit	Dilution
Lit soil 1	5.89	952	uS/cm	10	Lit soil 1	6.49	910	uS/cm	10
Lit soil 2	6.02	1174	uS/cm	20	Lit soil 2	6.85	302	uS/cm	10
Lit soil 3	6.16	1131	uS/cm	20	Lit soil 3	6.69	1102	uS/cm	20
HB 1	6.68	1920	uS/cm	20	HB 1	no data	no data		nd
HB 2	no data	no data		nd	HB 2	6.73	1392	uS/cm	20
HB 3	no data	no data		nd	HB 3	no data	no data		nd
A1	7.72	3.4	mS/cm	50	A1	7.65	2.74	mS/cm	50
A2	7.87	4.4	mS/cm	50	A2	7.81	3.65	mS/cm	50
A3	7.82	4.66	mS/cm	50	A3	7.71	4.17	mS/cm	50
B1	7.6	3.95	mS/cm	50	B1	7.93	3.98	mS/cm	50
B2	8.06	3.4	mS/cm	50	B2	no data	no data		nd
B3	7.55	5.2	mS/cm	50	B3	7.67	3.85	mS/cm	50
C1	7.5	4.88	mS/cm	50	C1	7.89	no data		nd
C2	7.6	4.84	mS/cm	50	C2	no data	no data		nd
C3	7.9	3.16	mS/cm	50	C3	8.07	4.26	mS/cm	50
FC2 -1	7.69	4.89	mS/cm	50	FC2 -1	7.67	3.25	mS/cm	50
FC2 -2	no data	no data	mS/cm	nd	FC2 -2	8.03	no data		nd
FC2 -3	8.05	4.46	mS/cm	50	FC2 -3	no data	no data		nd
FC5 -1	8.58	no data	mS/cm	nd	FC5 -1	8.11	4.57	mS/cm	50
FC5 -2	8.74	4.55	mS/cm	50	FC5 -2	8.35	2.8	mS/cm	50
FC5 -3	no data	no data	mS/cm	nd	FC5 -3	8.42	no data		nd

Appendix 2: Electrical conductivity and pH for second pore water extraction.

Table 2:

Arugula					Grass				
Sample #	pH	EC uS/cm	unit	Dilutio n	Sample #	pH	EC	unit	Dilutio n
Lit soil 1	5.89	952	uS/cm	10	Lit soil 1	6.49	910	uS/cm	10
Lit soil 2	6.02	1174	uS/cm	20	Lit soil 2	6.85	302	uS/cm	10
Lit soil 3	6.16	1131	uS/cm	20	Lit soil 3	6.69	1102	uS/cm	20
HB 1	6.68	1920	uS/cm	20	HB 1	no data	no data		nd
HB 2	no data	no data		nd	HB 2	6.73	1392	uS/cm	20
HB 3	no data	no data		nd	HB 3	no data	no data		nd
A1	7.72	3.4	mS/cm	50	A1	7.65	2.74	mS/cm	50
A2	7.87	4.4	mS/cm	50	A2	7.81	3.65	mS/cm	50
A3	7.82	4.66	mS/cm	50	A3	7.71	4.17	mS/cm	50
B1	7.6	3.95	mS/cm	50	B1	7.93	3.98	mS/cm	50
B2	8.06	3.4	mS/cm	50	B2	no data	no data		nd
B3	7.55	5.2	mS/cm	50	B3	7.67	3.85	mS/cm	50
C1	7.5	4.88	mS/cm	50	C1	7.89	no data		nd
C2	7.6	4.84	mS/cm	50	C2	no data	no data		nd
C3	7.9	3.16	mS/cm	50	C3	8.07	4.26	mS/cm	50
FC2 -1	7.69	4.89	mS/cm	50	FC2 -1	7.67	3.25	mS/cm	50
FC2 -2	no data	no data	mS/cm	nd	FC2 -2	8.03	no data		nd
FC2 -3	8.05	4.46	mS/cm	50	FC2 -3	no data	no data		nd
FC5 -1	8.58	no data	mS/cm	nd	FC5 -1	8.11	4.57	mS/cm	50
FC5 -2	8.74	4.55	mS/cm	50	FC5 -2	8.35	2.8	mS/cm	50
FC5 -3	no data	no data	mS/cm	nd	FC5 -3	8.42	no data		nd

Appendix 3:

Metal content for grass and arugula for all treatments.

Table 3:

Treatment	Arugula	Grass	SD argula	SD grass			Treatment	Arugula	Grass	SD argula	SD grass		
	Ca. mean	Ca. mean			Tuk-Arug	Tuk-grass		Pb.mean	Pb.mean	Pb.SD	Pb.SD	Tuk-Arug	Tuk-grass
Lit	2.1995	2.1689	1.3820	1.8744	a	a		Arugula	Grass				
RC	15.1526	16.1892	12.0908	13.5191	b	b	Lit	0.0018	0.001	0.0016	0.000	a	ND
A	2.0094	2.2707	0.2960	1.11	a	a	RC	0.0007	0.001	0.0005	0.000	ab	ND
B	2.3348	1.7242	0.4846	0.5415	a	a	A	0.0003	0.001	0.0002	0.001	b	ND
C	1.8210	2.1017	0.2949	0.7324	a	a	B	0.0006	0.001	0.0005	0.001	b	ND
FC2	1.7606	2.4894	0.5021	0.895	a	a	C	0.0006	0.001	0.0003	0.000	ab	ND
FC5	1.1999	2.8458	0.1556	0.8142	a	a	FC2	0.0012	0.001	0.0005	0.001	ab	ND
					P<0.005	P<0.005	FC5	0.0006	0.001	0.0003	0.000	ab	ND
	Nitrate.mean	Nitrate.mean	nit.SD	nit.SD	Tuk-Arug	Tuk-grass		Zn.mean	Zn.mean	Zn.SD	Zn.SD	Tuk-Arug	Tuk-grass
	Arugula	Grass						Arugula	Grass				
Lit	13.6955	13.08188	5.4035	9.57563	a	a	Lit	1.8030	1.71518	0.9370	0.245	a	a
RC	78.0741	111.46043	32.569	15.44326	b	b	RC	0.1872	0.17417	0.1435	0.14096	b	b
A	1.3926	0.85633	0.83	0.34447	a	c	A	0.0206	0.03352	0.0028	0.00926	b	b
B	7.3212	0.973	1.8676	0.13394	a	c	B	0.0184	0.01876	0.0094	0.00137	b	b
C	6.2126	0.90417	0.53	0.323	a	c	C	0.0174	0.0205	0.0048	0.00104	b	b
FC2	1.3455	0.45412	1.1629	0.21415	a	c	FC2	0.0245	0.01319	0.0078	0.00307	b	b
FC5	2.7221	0.42803	1.2922	0.11333	a	c	FC5	0.0152	0.0138	0.0034	0.00228	b	b
					P<0.005	P<0.005						P<0.011	P=0.327
Treatment	Sulphate.mean	Sulphate.mean	sul.SD	sul.SD	Tuk-Arug	Tuk-grass		Cd.SD	Cd.SD			Tuk-Arug	Tuk-grass
	Arugula	Grass						Arugula	Grass				
Lit	3.8390	2.76265	2.3370	2.93824	a	a	Lit	0.0187	0.0174	0.0122	0.0117	a	a
RC	15.8923	36.5286	8.0000	8.3887	b	b	RC	0.0037	0.0035	0.0028	0.0029	b	b
A	2.5155	5.57278	0.3852	2.94398	a	a	A	0.0004	0.0004	0.0001	0.0001	b	b
B	2.6532	5.11795	0.3560	2.00615	a	a	B	0.0003	0.0004	0.0002	0.0002	b	b
C	3.2471	9.75847	0.8962	3.63034	a	a	C	0.0002	0.0004	0.0001	0.0001	b	b
FC2	3.7322	7.83287	1.7416	3.03761	a	ac	FC2	0.0004	0.0004	0.0002	0.0002	b	b
FC5	3.4949	13.22473	0.7202	4.5834	a	c	FC5	0.0002	0.0004	0.0000	0.0001	b	b
					P<0.005	P<0.005						P<0.005	P<0.005

Each column has different letters when there is statistical difference, different letters represent differences between treatments. p<0.005 there are statistical differences.