

**Appendix A. Tables of Nutrient Concentrations (see Tables 1 and 2 in text above for Site Descriptions and Locations).**

Site	Date Collected	ALK	Ca	Cl	F	K	Mg	Na	NH3-N	NO2/3	SO4	SRP	TP	TPN	TSS
		mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
FRB - A	6/23/07	75	26962	0.067	0.11	154	7177	314	7.3	3.0	4.2	5.9	12.3	26.5	< 3
FRB - A	7/24/07	98	34335	0.075	0.13	222	10823	340	5.8	4.0	8.2	5.9	11.1	19.4	< 3
FRB - A	8/22/07	96	41536	0.078	0.14	235	13461	714	12.9	3.1	9.0	5.1	9.2	32.2	< 3
FRB - A	9/26/07	127	42053	0.093	0.13	168	14240	1064	5.2	1.7	9.5	3.9	10.9	15.4	< 3
FRB - A	11/19/07	119	38087	0.17	0.18	181	11272	230	4.6	11.2	8.7	4.8	10.3	41.7	< 3
FRB - A	6/25/08	87	26611	0.071	0.098	106	7578.8	401	< 5.0	< 0.6	3.4	6.6	10.9	37.6	< 3
FRB - A	7/23/08	106	32487	0.062	0.13	120	10368	340	< 5.0	7.0	7.3	6.1	8.5	53.2	< 3
FRB - A	8/20/08	126	41609	0.061	0.13	200	13357.2	837	4.4	3.8	8.9	7.9	10.8	13.2	< 3
FRB - A	9/9/08	125	24179	0.062	0.13	205	7686.5	1148	3.6	4.1	9.3	2.9	9.2	12.2	< 3
FRB - A	10/13/08	129	37872	0.082	0.12	207	12255.5	420	10.6	1.9	9.7	4.0	8.5	13.0	< 3
FRB - B	6/23/07	23	7280	0.037	0.05	286	1728	1576	7.1	1.9	1.0	6.7	12.4	27.7	< 3
FRB - B	7/24/07	43	15397	0.074	0.076	591	3413	2226	7.0	1.7	2.6	5.6	12.1	70.2	< 3
FRB - B	8/22/07	45	19989	0.074	0.076	577	5607	3585	14.2	< 0.3	3.3	5.9	9.3	41.3	< 3
FRB - B	9/26/07	62	20785	0.22	0.077	438	4196	3333	4.8	< 0.3	4.2	4.8	7.2	19.4	< 3
FRB - B	10/25/07	27	7913	0.3	0.084	279	1635	3112	9.5	1.4	1.4	7.1	22.2	199.2	< 3
FRB - B	6/24/08	18	5079	0.044	0.04	232	1114.4	735	6.4	1.2	0.7	5.1	13.0	77.7	8.2
FRB - B	7/22/08	42	14956	0.055	0.068	465	3123.4	1826	7.1	1.9	2.3	32.2	9.8	51.5	< 3
FRB - B	8/19/08	49	17316	0.06	0.045	424	4410.1	1243	5.9	4.1	3.8	7.8	11.2	51.2	< 3
FRB - B	9/9/08	60	18930	0.061	0.069	519	4305.8	2843	12.4	2.2	3.6	4.6	7.9	28.7	< 3
FRB - B	10/15/08	60	17632	0.31	0.069	425	3756.5	3342	9.5	< 0.3	3.9	4.0	7.5	45.9	< 3
FRB - C	6/22/07	90	35038	0.084	0.17	164	7113	332	< 2.5	33.0	4.9	2.0	3.8	16.4	< 3
FRB - C	7/25/07	96	38875	0.1	0.18	165	7771	336	5.7	42.4	6.3	0.7	3.8	55.4	< 3
FRB - C	8/21/07	93	45316	0.16	0.19	178	8620	630	< 2.5	54.1	7.4	0.6	4.2	58.9	< 3
FRB - C	9/25/07	124	46435	0.13	0.17	135	9139	1116	5.7	75.2	7.1	2.2	2.8	76.4	< 3
FRB - C	10/24/07	129	43558	0.18	0.21	179	7760	247	6.3	151.0	9.2	0.7	7.0	189.0	< 3
FRB - C	6/25/08	99	34990	0.099	0.16	< 100	6381.1	296	< 6.3	8.2	3.9	0.9	2.6	53.8	< 3
FRB - C	7/22/08	107	40447	0.076	0.18	156	7240.9	209	7.6	13.6	5.6	3.3	4.0	43.6	< 3
FRB - C	8/18/08	117	44200	0.093	0.18	147	6995.6	197	6.2	58.4	6.7	3.9	2.9	77.3	< 3
FRB - C	9/8/08	120	43729	0.11	0.17	178	8624	557	6.8	61.6	7.7	4.7	2.0	70.2	< 3
FRB - C	10/15/08	125	42705	0.12	0.17	182	8060.7	385	12.0	81.3	9.7	< 1.3	1.0	92.5	< 3

Appendix A cont. Tables of Nutrient Concentrations (see Tables 1 and 2 in text above for Site Descriptions and Locations).

Site	Date Collected	ALK	Ca	Cl	F	K	Mg	Na	NH3-N	NO2/3	SO4	SRP	TP	TPN	TSS	
		mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
FRB - D	6/24/07	78	27568	0.076	0.066	281	7255	692		2.2	6.6	15.7	25.9	42.3	3.3	
FRB - D	7/23/07	105	37300	0.095	0.055	403	11318	1301	8.7	3.3	8.0	9.7	25.1	95.6	9.8	
FRB - D	8/21/07	102	42259	0.11	0.054	423	13105	1366	14.1	3.1	8.1	2.8	8.4	29.7	< 3	
FRB - D	9/25/07	130	47536	0.16	0.055	324	15243	1186	3.4	1.0	9.1	1.3	7.7	29.6	< 3	
FRB - D	10/25/07	106	32572	0.26	0.062	291	8449	2080	4.8	1.9	11.6	5.8	18.7	72.7	4.7	
FRB - D	6/23/08	72	22237	0.063	0.065	142	6452.1	883	15.8	2.5	5.2	25.9	46.1	82.6	23.6	
FRB - D	7/21/08								5.9	< 0.6		65.5	38.5	76.8		
FRB - D	8/18/08	129	47027	0	0	358	14927.9	612	3.7	5.6	0.0	6.8	12.1	36.9	< 3	
FRB - D	9/8/08	125	40251	0.1	0.048	375	12326	998	8.0	3.1	9.0	3.1	10.4	42.3	< 3	
FRB - D	10/13/08	129	38211	0.16	0.045	344	11533.7	891	10.6	0.6	9.6	3.2	7.6	24.2	< 3	
FRB - E	6/23/07	16	5629	0.038	0.037	212	1479	994	13.9	1.7	1.2	5.5	10.1	50.9	< 3	
FRB - E	7/24/07	39	14074	0.069	0.057	479	3295	1906	3.4	4.3	3.5	4.5	13.6	126.3	< 3	
FRB - E	8/22/07	40	17560	0.059	0.062	495	5681	3462	26.8	3.0	4.3	1.9	6.5	55.7	< 3	
FRB - E	9/26/07	50	17159	0.13	0.058	378	3928	2635	< 2.5	2.6	4.9	1.7	6.1	41.8	< 3	
FRB - E	10/25/07	21	6103	0.35	0.041	194	1423	2722	16.4	11.7	2.2	5.5	73.1	411.5	5.3	
FRB - E	6/24/08	15	4023	0.041	0.027	122	989.3	603	7.2	< 0.6	0.8	5.5	10.1	90.5	3.7	
FRB - E	7/22/08	40	13049	0.062	0.049	371	3334.2	1668	6.0	0.9	2.9	11.9	13.8	70.4	< 3	
FRB - E	8/19/08	54	19283	0.047	0.055	451	3304.7	1887	6.4	4.5	4.2	6.1	10.0	93.0	< 3	
FRB - E	9/9/08	51	15520	0.047	0.053	436	4077.6	2535	12.2	3.8	4.3	2.7	7.2	60.3	< 3	
FRB - E	10/15/08	43	12922	0.2	0.044	305	3049.1	2207	8.2	0.6	4.0	2.5	7.3	56.7	< 3	
FRB - F	6/23/07	25	7873	0.052	0.046	255	1956	1100	7.0	1.6	1.8	8.8	14.8	64.3	< 3	
FRB - F	7/24/07	50	19783	0.093	0.053	495	4350	1351	11.2	8.3	4.1	37.2	12.3	78.2	< 3	
FRB - F	8/22/07	52	23208	0.075	0.048	503	7711	2703	5.0	1.7	4.4	7.3	10.6	41.0	< 3	
FRB - F	9/26/07	67	23667	0.15	0.048	302	5353	1814	4.5	3.3	5.6	3.9	7.0	29.5	3.7	
FRB - F	10/25/07	25	10280	0.45	0.059	229	2087	3310	8.9	8.1	3.6	7.8	24.5	166.6	4.8	
FRB - F	6/24/08	23	6039	0.068	0.034	165	1378.3	690	6.7	< 0.6	1.3	8.3	13.8	88.7	3.5	
FRB - F	7/22/08	49	17316	0.06	0.045	424	4410.1	1243	< 5.0	1.5	3.8	13.9	11.6	55.8	< 3	
FRB - F	8/19/08	69	24555	0.045	0.045	428	4790.2	1192	7.2	3.0	4.6	9.0	9.7	54.7	< 3	
FRB - F	9/9/08	67	23585	0.07	0.045	394	5652.9	1635	11.4	4.3	5.0	3.8	7.4	60.4	< 3	
FRB - F	10/15/08	66	19593	0.28	0.041	291	4403	1764	19.7	3.4	5.2	4.6	7.4	43.1	< 3	

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Site	Date Collected	ALK	Ca	Cl	F	K	Mg	Na	NH3-N	NO2/3	SO4	SRP	TP	TPN	TSS
		mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
FRB - G	6/23/07	28	8146	0.049	0.051	227	2543	1180	5.9	0.3	1.8	19.0	25.5	61.8	< 3
FRB - G	7/24/07	48	16874	0.061	0.062	425	5057	1250	13.2	6.1	3.7	21.3	35.4	136.2	< 3
FRB - G	8/22/07	117	51288	0.11	0.048	367	12649	695	6.4	4.8	4.1	12.1	17.7	45.3	< 3
FRB - G	9/26/07	62	20108	0.17	0.063	233	5654	1930	7.0	0.6	5.1	7.3	15.6	42.9	< 3
FRB - G	10/25/07	30	8921	0.35	0.096	260	2497	1066	4.6	1.6	3.3	6.6	24.3	174.0	< 3
FRB - G	6/25/08	25	6390	0.061	0.041	145	1993	650	7.2	< 0.6	1.3	22.8	27.0	77.2	3.3
FRB - G	7/23/08	49	16535	0.059	0.055	226	4198.6	984	5.7	< 0.6	3.5	4.3	22.1	54.2	< 3
FRB - G	8/20/08	61	23874	0.042	0.059	334	5267.4	1572	6.4	10.1	4.3	16.5	20.6	52.8	< 3
FRB - G	9/9/08	60	18451	0.057	0.054	357	5790	1586	8.0	5.4	4.4	10.5	16.5	44.1	< 3
FRB - G	10/13/08	61	17472	0.2	0.05	268	4994.1	1487	13.1	1.2	4.8	11.1	17.3	41.1	< 3
FRB - H	6/23/07	20	6561	0.041	0.04	218	1619	1332	13.1	1.2	1.4	7.0	13.0	52.1	< 3
FRB - H	7/24/07	41	14547	0.081	0.058	519	3519	1821	7.3	2.9	3.4	5.8	19.3	138.3	< 3
FRB - H	8/22/07	41	18088	0.051	0.058	446	4381	2367	2.9	1.6	3.8	0.5	6.5	52.8	< 3
FRB - H	9/26/07	52	17900	0.11	0.057	316	4038	2987	58.8	0.4	4.5	2.2	5.8	52.3	< 3
FRB - H	10/25/07	22	6148	0.42	0.082	322	1580	857	8.2	4.6	3.5	6.5	22.4	187.8	6.9
FRB - H	6/25/08	18	5219	0.044	0.03	156	1253.6	666	8.0	3.9	1.0	6.6	13.0	107.4	4.8
FRB - H	7/23/08	44	13616	0.076	0.05	389	3490.5	1597	5.3	1.4	3.0	21.3	8.7	72.2	< 3
FRB - H	8/20/08	52	17609	0.046	0.054	423	3745.2	1728	5.9	3.7	3.7	3.2	10.2	80.6	< 3
FRB - H	9/9/08	51	16498	0.051	0.051	422	3934.4	1996	8.5	3.5	4.0	2.3	6.3	51.3	< 3
FRB - H	10/13/08	47	14825	0.21	0.045	319	3321	1871	12.7	3.0	4.0	3.9	6.1	52.9	< 3
FRB - I	6/23/07	20	7203	0.045	0.041	260	1788	954	9.4	0.9	1.5	8.1	10.8	64.3	< 3
FRB - I	7/24/07	47	17193	0.093	0.079	481	4844	1493	< 2.5	4.4	3.7	13.8	17.4	123.6	< 3
FRB - I	8/22/07	44	20350	0.056	0.06	361	4556	1946	15.7	2.3	4.0	3.0	8.2	57.0	< 3
FRB - I	9/26/07	63	21298	0.16	0.074	326	5658	2519	8.0	0.9	5.6	3.3	7.6	50.4	< 3
FRB - I	10/25/07	25	8312	0.4	0.055	354	2338	835	5.6	4.3	3.5	6.1	25.3	209.3	< 3
FRB - I	6/25/08	19	5297	0.049	0.03	152	1302.3	700	11.7	< 0.6	1.0	6.3	16.1	120.6	5.2
FRB - I	7/23/08	48	14037	0.058	0.054	362	4035.6	1374	7.7	1.4	3.1	6.7	11.6	103.7	< 3
FRB - I	8/20/08	62	17769	0.049	0.062	444	5021	2617	6.4	4.4	3.9	5.5	10.9	68.7	< 3
FRB - I	9/9/08	56	19031	0.054	0.061	377	5349.2	1642	7.3	3.5	4.4	3.5	10.1	61.2	< 3
FRB - I	10/13/08	58	17346	0.2	0.051	325	4385.5	1661	13.4	1.6	4.5	2.2	7.1	37.5	< 3

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Site	Date Collected	ALK	Ca	Cl	F	K	Mg	Na	NH3-N	NO2/3	SO4	SRP	TP	TPN	TSS	
		mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
FRB - J	6/24/07	36	12630	0.048	0.058	205	3091	669	10.4	3.0	2.3	8.1				< 3
FRB - J	7/23/07	68	22576	0.078	0.086	364	6259	1015	10.5	4.6	5.0	6.8	14.7	109.0		< 3
FRB - J	9/25/07	85	28381	0.12	0.083	279	7972	1644	5.2	1.9	6.1	2.0	5.7	29.7		< 3
FRB - J	10/25/07	41	10950	0.32	0.062	186	3510	2941	4.0	< 0.3	3.4	5.0	19.4	133.8		< 3
FRB - J	6/23/08	27	8227	0.047	0.045	127	2384.5	688	9.1	5.9	1.5	10.5	17.2	79.2		4
FRB - J	7/22/08	69	21597	0.051	0.08	346	6303.8	864	< 5.0	< 0.6	4.5	6.2	15.8	45.2		< 3
FRB - J	8/18/08	99	32068	0.067	0.087	363	7083.9	925	7.6	4.0	5.7	19.8	10.4	63.1		< 3
FRB - J	9/8/08	82	27319	0.11	0.077	349	8043.2	1426	7.3	11.3	5.5	4.6	9.0	54.4		< 3
FRB - J	10/15/08	75	22787	0.17	0.065	302	6207.3	1336	12.4	1.4	5.5	2.4	6.2	35.6		< 3
FRB - K	7/25/07	86	30736	0.079	0.092	338	8344	848	4.8	5.8	5.2	1.8	12.5	46.1		< 3
FRB - K	8/21/07	81	34080	0.089	0.086	372	9982	1714	21.7	2.7	5.7	2.0	6.4	41.8		< 3
FRB - K	9/25/07	98	33626	0.12	0.08	271	9521	2658	16.7	< 0.3	6.2	1.1	5.7	40.0		< 3
FRB - K	10/25/07	39	11557	0.39	0.062	277	3094	850	6.9	5.7	3.8	6.4	20.5	164.0		5.9
FRB - K	6/25/08	53	16126	0.055	0.072	157	4017.2	546	5.3	1.6	2.3	8.9	14.5	68.9		4.8
FRB - K	7/22/08	89	30231	0.074	0.092	310	7454.9	663	8.8	6.7	4.8	61.0	23.9	43.2		< 3
FRB - K	8/18/08	112	36166	0.078	0.083	342	8038.1	756	5.1	4.3	5.7	7.1	12.0	51.5		< 3
FRB - K	9/8/08	98	33040	0.069	0.075	317	9175.3	1225	8.8	4.0	5.8	1.4	6.8	57.2		< 3
FRB - K	10/15/08	87	27454	0.18	0.067	268	7191.6	1229	12.0	1.9	5.9	1.5	4.8	28.9		< 3

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Site	Date Collected	ALK	Ca	Cl	F	K	Mg	Na	NH <sub>3</sub> -N	NO <sub>2</sub> /3	SO <sub>4</sub>	SRP	TP	TPN	TSS
		mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
ERB - 0	7/25/07	121	41783	0.10	0.046	318	10845	450	5.8	4.6	4.1	0.9	4.9	75.8	< 3
ERB - 0	8/23/07	117	51288	0.11	0.048	367	12649	695	12.0	10.2	4.1	0.6	3.6	76.7	< 3
ERB - 1	6/22/07	83	27455	0.06	0.039	203	8808	610	5.9	4.4	2.3	4.4	14.2	69.1	< 3
ERB - 1	7/25/07	106	34749	0.07	0.041	166	11507	370	6.9	18.9	2.7	7.0	12.7	59.4	< 3
ERB - 1	8/23/07								3.2	17.3		3.6	9.7	42.5	
ERB - 1	9/27/07	130	39685	0.11	0.043	187	14925	964	5.7	2.4	3.5	3.2	8.7	25.2	< 3
ERB - 1	10/24/07	83	23483	0.36	0.053	262	7194	1259	14.7	4.0	7.0	5.0	11.4	111.6	< 3
ERB - 1	6/26/08	92	26684	0.14	0.054	231	7609	1101	6.9	1.9	6.7	3.2	6.9	42.9	< 3
ERB - 1	7/24/08	112	38617	0.25	0.074	467	10310	2277	5.5	1.9	12.8	3.1	7.4	40.0	< 3
ERB - 1	8/20/08	114	36472.5	0.07	0.039	217	12529	891	4.4	15.6	2.6	11.1	14.3	54.5	< 3
ERB - 1	9/10/08	122	33220	0.08	0.037	181	11450	507	6.3	13.4	3.0	3.1	9.7	45.0	< 3
ERB - 2	6/22/07	74	26276	0.11	0.077	279	8222	1212	7.3	1.7	10.0	3.9	16.2	21.6	8.2
ERB - 2	7/25/07	102	36869	0.22	0.11	396	11371	2078	7.1	3.1	18.3	1.4	9.8	67.4	< 3
ERB - 2	8/23/07	108	48848	0.31	0.1	465	14023	3884	12.9	3.0	18.8	0.9	5.7	27.2	< 3
ERB - 2	9/27/07	145	51423	0.42	0.088	387	15309	4019	11.5	1.7	23.0	0.8	8.4	39.3	< 3
ERB - 2	10/26/07	128	44824	0.42	0.089	346	12362	3303	13.8	3.4	20.0	3.4	7.6	39.4	< 3
ERB - 2	6/26/08	84	24243	1.00	0.066	230	8351	1091	10.3	< 0.6	10.1	3.4	11.1	54.1	8.8
ERB - 2	7/24/08	109	39920	0.20	0.041	439	12327	1959	5.0	1.3	20.4	2.7	11.5	105.2	< 3
ERB - 2	8/20/08	126	42103.8	0.27	0.086	532	12833	3193	12.1	3.2	22.9	3.5	8.5	55.3	< 3
ERB - 2	9/10/08	135	26790.6	0.33	0.079	454	7779	2993	6.3	3.7	24.3	1.2	5.7	43.9	< 3
ERB - 2	10/16/08	141	46155.8	0.44	0.071	408	13384	2974	12.1	0.9	25.9	2.1	3.9	13.5	< 3
ERB - 3	9/10/08	108	27632.8	0.08	0.073	247	10239	589	4.5	27.9	9.2	3.2	10.4	48.6	< 3
ERB - 3	10/16/08	110	31476.3	0.13	0.07	226	11618	657	11.7	23.7	10.5	4.1	7.7	31.8	< 3

Appendix A cont. Tables of Nutrient Concentrations (see Tables 1 and 2 in text above for Site Descriptions and Locations).

Site	Date Collected	ALK	Ca	Cl	F	K	Mg	Na	NH3-N	NO2/3	SO4	SRP	TP	TPN	TSS
		mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
ERB - 4	9/27/07	140	51485	0.34	0.17	287	12437	2576	4.7	22.7	18.9	< 0.5	4.9	44.3	< 3
ERB - 4	10/26/07	138	51166	0.37	0.18	224	11802	2815	< 3.6	46.4	21.5	< 0.5	8.5	89.8	7.6
ERB - 4	6/26/08	113	35990	0.25	0.15	219	8766	594	10.4	39.8	14.1	1.8	15.2	185.8	11.2
ERB - 4	7/25/08	108	43429	0.23	0.16	292	9032	501	< 5.0	23.3	14.7	0.9	6.0	87.9	4.6
ERB - 4	8/21/08	116	38987.5	0.31	0.15	304	9853	1076	6.3	24.0	15.2	1.4	5.5	65.9	< 3
ERB - 4	9/12/08	133	46924.7	0.32	0.16	307	11761	901	6.9	36.8	19.0	0.7	5.0	62.5	< 3
ERB - 4	10/14/08	132	47456.4	0.40	0.15	324	11270	1065	11.9	26.5	20.2	< 1.3	2.1	53.5	< 3
ERB - 5	6/22/07	177	122537	3.00	0.14	1686	52814	9776	12.1	1884.5	282.9	1.0	9.4	2141.6	3.9
ERB - 5	7/25/07	177	152174	4.40	0.17	1937	68547	13930	64.5	1893.0	450.5	0.8	11.8	2148.1	3.8
ERB - 5	8/23/07	167	179000	2.90	0.16	2244	74604	15731	5.7	1640.5	479.8	< 0.5	5.3	2314.3	< 3
ERB - 5	9/27/07	230	195000	6.40	0.18	2137	82308	19689	8.2	1681.0	498.6	< 0.5	10.7	1739.5	27.6
ERB - 5	10/26/07	246	105650	6.50	0.19	2476	86102	19108	23.8	2227.8	537.9	2.5	4.8	3397.3	< 3
ERB - 5	6/26/08	165	124722	2.00	0.17	1801	56447	9119	13.2	1681.0	333.0	0.9	6.0	1754.8	< 3
ERB - 5	7/24/08	212	149704	4.00	0.13	2155	76191	14773	25.8	2135.9	448.8	0.9	5.9	2343.3	< 3
ERB - 5	8/20/08	217	172000	4.10	0.13	2749	81826	15518	15.8	2440.4	52.7	2.1	25.2	4625.7	< 3
ERB - 5	9/10/08	231	172000	6.70	0.11	2489	82457	15548	18.0	2412.8	556.8	0.9	7.3	2633.3	< 3
ERB - 5	10/16/08	248	159000	7.50	0.11	2145	81543	18728	13.3	2122.7	529.0	3.4	3.5	2272.4	< 3
ERB - 6	6/22/07	95	51865	0.63	0.092	625	20030	3286	16.7	393.2	60.8	4.8	17.1	499.3	6.2
ERB - 6	7/25/07	128	74984	1.60	0.13	969	30553	6120	25.9	594.7	164.7	2.3	20.0	689.5	< 3
ERB - 6	8/23/07	139	110000	1.60	0.12	1260	44379	9467	5.8	725.2	216.9	< 0.5	5.6	784.1	< 3
ERB - 6	9/27/07	181	111000	2.80	0.12	1124	43300	10972	8.8	706.0	227.0	0.8	6.9	731.0	< 3
ERB - 6	10/26/07	174	198050	3.30	0.12	1126	42677	10104	10.8	933.7	243.0	2.1	4.4	1072.7	< 3
ERB - 6	6/26/08	108	42544	0.49	0.08	527	16428	2578	8.1	313.6	65.6	2.4	10.2	367.8	6.6
ERB - 6	7/24/08	131	68421	1.20	0.12	943	28081	5330	11.7	689.1	144.6	2.4	7.2	748.6	< 3
ERB - 6	8/20/08	171	91256.8	2.00	0.11	1500	41764	9189	10.6	1135.6	238.3	2.5	11.2	1172.2	< 3
ERB - 6	9/10/08	177	83964	3.30	0.098	1384	36825	8768	17.0	1106.3	255.0	1.4	8.0	1160.6	< 3
ERB - 6	10/16/08	184	93661.1	3.10	0.089	1056	38490	7796	10.4	825.3	205.9	3.3	4.2	826.4	< 3

Appendix A cont. Tables of Nutrient Concentrations (see Tables 1 and 2 in text above for Site Descriptions and Locations).

Site	Date Collected	ALK	Ca	Cl	F	K	Mg	Na	NH3-N	NO2/3	SO4	SRP	TP	TPN	TSS
		mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
ERB - 7	6/22/07	76	34949	0.86	0.12	456	9441	1429	15.2	484.0	28.6	8.7	18.1	490.8	6.6
ERB - 7	7/25/07	130	60650	2.70	0.18	881	21419	2849	19.1	2697.8	79.8	1.3	46.8	2826.5	< 3
ERB - 7	8/23/07	131	81576	3.50	0.17	1066	28448	4439	18.1	3336.2	94.5	2.1	7.8	4174.9	< 3
ERB - 7	9/27/07	170	82619	3.40	0.17	862	28623	4220	10.6	2306.9	96.6	1.0	19.2	1824.4	< 3
ERB - 7	10/26/07	139	58515	1.70	0.17	493	17237	4078	5.5	726.6	59.8	1.2	4.8	768.6	< 3
ERB - 7	6/26/08	92	30446	0.78	0.12	368	9418	1238	11.2	215.4	24.8	3.2	14.8	307.5	3.5
ERB - 7	7/25/08	136	59997	1.80	0.15	703	19592	2202	25.3	881.7	63.1	2.4	7.8	1098.1	< 3
ERB - 7	8/21/08	149	61887.4	2.30	0.14	936	21631	3652	33.0	1215.4	73.0	3.5	51.5	1385.9	28.5
ERB - 7	9/11/08	156	47432.8	2.40	0.15	782	15397	3091	16.8	98.4	74.8	1.8	7.0	1067.3	< 3
ERB - 7	10/14/08	159	64334.4	2.80	0.14	760	21652	3153	19.0	1501.3	80.2	2.3	4.2	1700.4	< 3
ERB - 8	9/27/07	158	69535	2.50	0.21	604	22428	2925	8.2	1317.5	60.8	1.0	8.7	1520.5	3
ERB - 8	10/26/07	153	62528	2.50	0.21	483	18462	4935	3.4	1470.2	61.6	1.1	4.4	1476.5	< 3
ERB - 8	6/26/08	128	40885	0.93	0.16	418	11590	1245	11.7	707.2	29.1	1.0	10.5	792.1	13.4
ERB - 8	7/25/08	128	55960	1.40	0.18	546	16304	1684	10.5	1040.5	42.5	1.0	5.7	1138.4	3.5
ERB - 8	8/21/08	141	58080.8	1.90	0.18	633	17891	2971	11.7	954.8	47.7	9.1	8.5	1081.2	9.3
ERB - 8	9/12/08	151	59332.1	2.20	0.19	539	18553	2854	8.4	1280.5	57.4	0.7	7.8	1625.2	< 3
ERB - 8	10/16/08	159	60318.4	2.60	0.18	557	18750	2668	11.9	1225.3	61.1	1.8	2.7	1369.7	< 3
ERB - 9	9/27/07	157	68324	2.60	0.2	624	21780	3054	13.3	1138.6	61.2	0.8	8.9	1375.3	< 3
ERB - 9	10/26/07	148	58408	2.50	0.19	498	16436	4448	15.0	993.8	56.0	1.7	5.2	1123.6	< 3
ERB - 9	6/26/08	107	40990	0.96	0.15	396	11148	1255	10.8	576.6	25.5	1.6	20.7	649.3	34.6
ERB - 9	7/25/08	124	52700	1.50	0.17	534	14961	1707	15.9	909.2	42.4	1.5	6.8	1028.3	4
ERB - 9	8/21/08	138	47928.2	1.90	0.16	659	13883	3435	14.3	818.0	44.5	1.5	17.3	922.8	15.1
ERB - 9	9/12/08	219	81523.1	2.36	0.245	663	24741	3500	17.1	1158.1	62.5	1.2	4.4	1054.8	< 26.6
ERB - 9	10/16/08	158	61490.2	2.70	0.17	586	18500	3025	30.2	1079.2	59.7	2.8	4.8	1120.9	< 3

Appendix B. Tables of Metals Concentrations (see Tables 1 and 2 in text above for Site Descriptions and Locations).

Site	Date Collected	Al	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Hg	Mn	Ni	Pb	Se	Sr	U	Zn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
FRB - A	6/23/07	< 50	0.264	13.2	< 1	< 0.1	< 0.1	< 5	0.14	< 5	< 0.002	0.13	< 0.5	< 0.1	0.266	31.5	< 1	< 0.5
FRB - A	7/24/07	< 50	0.278	20.2	< 1	< 0.1	< 0.1	< 5	0.16	< 5	< 0.002	0.194	< 0.5	< 0.1	0.481	50.5	< 1	< 0.5
FRB - A	8/22/07	< 50	0.206	19.3	< 1	< 0.1	< 0.1	< 5	< 0.10	< 5	< 0.002	0.264	< 0.5	< 0.1	0.491	58.2	< 1	< 0.5
FRB - A	9/26/07	< 50	0.214	17.4	< 1	< 0.1	< 0.1	< 5	0.20	< 5	< 0.002	0.197	< 0.5	< 0.1	0.506	57.4	< 1	< 0.5
FRB - A	11/19/07	< 50	0.236	17.3	< 1	< 0.1	< 0.1	< 5	0.19	5.15	< 0.002	0.449	< 0.5	< 0.1	0.577	52.6	< 1	0.581
FRB - A	6/25/08	< 50	0.155	54.2	< 1	< 0.1	< 0.1	< 5	0.22	< 5	0.680	0.162	< 0.5	< 0.1	< 0.2	32.3	< 1	11.19
FRB - A	7/23/08	< 50	0.192	54.2	< 1	< 0.1	< 0.1	< 5	< 0.10	9.42	< 0.500	< 0.1	< 0.5	< 0.1	0.595	41.2	< 1	9.54
FRB - A	8/20/08	< 50	0.196	16.6	< 1	< 0.1	< 0.1	< 5	< 0.10	< 5	0.650	< 0.1	< 0.5	< 0.1	0.588	46	< 1	< 0.5
FRB - A	9/9/08	< 50	0.204	18.7	< 1	< 0.1	< 0.1	< 5	0.25	< 5	< 0.500	< 0.1	< 0.5	< 0.1	0.658	49.7	< 1	< 0.5
FRB - A	10/13/08	< 50	0.181	17.8	< 1	< 0.1	< 0.1	< 5	0.12	7.74	< 0.500	< 0.1	< 0.5	< 0.1	0.653	51.7	< 1	0.231
FRB - B	6/23/07	< 50	0.115	31.6	< 1	< 0.1	< 0.1	< 5	0.48	< 5	< 0.002	0.575	< 0.5	< 0.1	0.227	37.5	< 1	< 0.5
FRB - B	7/24/07	< 50	0.311	67.1	< 1	< 0.1	< 0.1	< 5	0.47	< 5	< 0.002	0.716	< 0.5	< 0.1	< 0.2	80.8	< 1	1.47
FRB - B	8/22/07	< 50	0.208	72	< 1	< 0.1	< 0.1	< 5	0.36	< 5	< 0.002	0.697	< 0.5	< 0.1	< 0.2	103	< 1	< 0.5
FRB - B	9/26/07	< 50	0.194	66.6	< 1	< 0.1	< 0.1	< 5	0.55	< 5	< 0.002	0.585	< 0.5	< 0.1	0.253	104	< 1	0.479
FRB - B	10/25/07	< 50	0.187	23.9	< 1	< 0.1	< 0.1	< 5	0.88	27.1	0.006	0.972	< 0.5	0.108	< 0.2	37.2	< 1	0.702
FRB - B	6/24/08	30.9	0.108	47.2	< 1	< 0.1	< 0.1	< 5	0.38	11.2	3.900	0.638	< 0.5	< 0.1	< 0.2	25.6	< 1	11.66
FRB - B	7/22/08	< 50	0.189	89.8	< 1	< 0.1	< 0.1	< 5	0.33	5.21	1.100	0.426	< 0.5	< 0.1	0.362	62.4	< 1	15.06
FRB - B	8/19/08	< 50	0.187	90.7	< 1	< 0.1	< 0.1	< 5	0.29	< 5	0.990	0.125	< 0.5	< 0.1	0.382	66.3	< 1	11.65
FRB - B	9/9/08	< 50	0.177	67.6	< 1	< 0.1	< 0.1	< 5	0.32	< 5	0.860	0.126	< 0.5	< 0.1	< 0.2	92.4	< 1	< 0.5
FRB - B	10/15/08	< 50	0.162	60.8	< 1	< 0.1	< 0.1	< 5	0.56	< 5	0.920	0.444	< 0.5	< 0.1	0.225	93.8	< 1	< 0.5
FRB - C	6/22/07	< 50	0.248	11	< 1	< 0.1	< 0.1	< 5	0.20	< 5	< 0.002	< 0.1	< 0.5	< 0.1	0.541	46.2	< 1	< 0.5
FRB - C	7/25/07	< 50	0.326	12.2	< 1	< 0.1	< 0.1	< 5	0.16	< 5	< 0.002	< 0.1	< 0.5	< 0.1	0.638	52.2	< 1	< 0.5
FRB - C	8/21/07	< 50	0.329	11.3	< 1	< 0.1	< 0.1	< 5	3.93	< 5	< 0.002	< 0.1	0.539	< 0.1	0.551	54.8	< 1	2.54
FRB - C	9/25/07	< 50	0.352	11	< 1	< 0.1	< 0.1	< 5	0.26	< 5	< 0.002	< 0.1	< 0.5	< 0.1	0.73	55.2	< 1	< 0.5
FRB - C	10/24/07	< 50	0.311	11.7	< 1	< 0.1	< 0.1	< 5	0.20	6.68	< 0.002	< 0.1	< 0.5	< 0.1	0.872	53	< 1	1.73
FRB - C	6/25/08	< 50	0.235	39.2	< 1	< 0.1	< 0.1	< 5	0.37	6.46	0.670	0.123	< 0.5	< 0.1	0.394	41.9	< 1	9.68
FRB - C	7/22/08	< 50	0.275	11.2	< 1	< 0.1	< 0.1	< 5	0.10	8.73	< 0.500	< 0.1	< 0.5	< 0.1	0.76	41.2	< 1	0.64
FRB - C	8/18/08	< 50	0.255	10.7	< 1	< 0.1	< 0.1	< 5	< 0.10	5.43	< 0.500	< 0.1	< 0.5	< 0.1	0.707	45.5	< 1	0.98
FRB - C	9/8/08	< 50	0.289	11.6	< 1	< 0.1	< 0.1	< 5	0.13	< 5	< 0.500	0.161	< 0.5	< 0.1	0.746	51.8	< 1	0.149
FRB - C	10/15/08	< 50	0.312	11.8	< 1	< 0.1	< 0.1	< 5	0.13	8.8	< 0.500	< 0.1	< 0.5	< 0.1	1.1	53.1	< 1	0.182



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Site	Date Collected	Al	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Hg	Mn	Ni	Pb	Se	Sr	U	Zn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
FRB - D	6/24/07	< 50	0.576	38.5	< 1	< 0.1	< 0.1	< 5	0.22	5.66	< 0.002	3.4	< 0.5	< 0.1	< 0.2	53.9	< 1	< 0.5
FRB - D	7/23/07	< 50	0.851	59.3	< 1	< 0.1	< 0.1	< 5	0.43	7.06	0.002	3.6	< 0.5	< 0.1	< 0.2	69.4	< 1	< 0.5
FRB - D	8/21/07	< 50	0.727	49.5	< 1	< 0.1	< 0.1	< 5	0.20	19.7	< 0.002	3.75	0.555	0.225	< 0.2	74.7	< 1	< 0.5
FRB - D	9/25/07	< 50	0.616	46.1	< 1	< 0.1	< 0.1	< 5	0.25	11.6	< 0.002	2.61	< 0.5	0.174	< 0.2	80.7	< 1	< 0.5
FRB - D	10/25/07	< 50	0.452	43.8	< 1	< 0.1	< 0.1	< 5	0.45	17.7	< 0.002	2.95	< 0.5	< 0.1	0.239	71.6	< 1	0.794
FRB - D	6/23/08	< 50	0.399	118.5	< 1	< 0.1	< 0.1	< 5	0.48	9.57	2.800	2.3	< 0.5	< 0.1	< 0.2	46.5	< 1	23.24
FRB - D	8/18/08	< 50	0.648	49.9	< 1	< 0.1	< 0.1	< 5	< 0.10	10.3	0.570	0.967	< 0.5	< 0.1	< 0.2	64.9	< 1	1.07
FRB - D	9/8/08	< 50	0.592	50.8	< 1	< 0.1	< 0.1	< 5	0.13	7.78	0.620	3.73	< 0.5	< 0.1	< 0.2	68	< 1	0.117
FRB - D	10/13/08	< 50	0.436	56.4	< 1	< 0.1	< 0.1	< 5	0.23	11.7	< 0.500	3.38	< 0.5	< 0.1	< 0.2	70.9	< 1	0.111
FRB - E	6/23/07	< 50	0.103	28.1	< 1	< 0.1	< 0.1	< 5	0.49	21.5	< 0.002	3.95	< 0.5	< 0.1	< 0.2	40.4	< 1	< 0.5
FRB - E	7/24/07	< 50	0.341	65.8	< 1	< 0.1	< 0.1	< 5	0.45	34.7	< 0.002	5.37	< 0.5	< 0.1	< 0.2	111	< 1	< 0.5
FRB - E	8/22/07	< 50	0.245	69.5	< 1	< 0.1	< 0.1	< 5	0.43	74.3	< 0.002	10.2	< 0.5	< 0.1	< 0.2	129	< 1	< 0.5
FRB - E	9/26/07	< 50	0.2	61	< 1	< 0.1	< 0.1	< 5	0.44	81.9	< 0.002	9.53	< 0.5	< 0.1	0.209	127	< 1	< 0.5
FRB - E	10/25/07	< 50	0.142	19	< 1	< 0.1	< 0.1	< 5	0.91	38.6	0.005	2.83	< 0.5	< 0.1	0.29	40.3	< 1	0.437
FRB - E	6/24/08	32.3	0.103	58.1	< 1	< 0.1	< 0.1	< 5	0.46	20.4	3.200	2.26	< 0.5	< 0.1	< 0.2	28.4	< 1	15.71
FRB - E	7/22/08	< 50	0.213	129.5	< 1	< 0.1	< 0.1	< 5	0.34	34.4	0.990	4.14	< 0.5	< 0.1	0.404	80.5	< 1	17.67
FRB - E	8/19/08	< 50	0.253	60.5	< 1	< 0.1	< 0.1	< 5	0.27	32.2	1.200	0.324	< 0.5	< 0.1	0.211	147.4	< 1	0.111
FRB - E	9/9/08	< 50	0.197	64	< 1	< 0.1	< 0.1	< 5	0.35	60.8	0.720	5.89	< 0.5	< 0.1	0.264	143.2	< 1	< 0.5
FRB - E	10/15/08	< 50	0.15	50.8	< 1	< 0.1	< 0.1	< 5	0.45	49	0.790	3.41	< 0.5	< 0.1	0.307	107.5	< 1	< 0.5
FRB - F	6/23/07	< 50	0.124	32.9	< 1	< 0.1	< 0.1	< 5	0.54	11.1	< 0.002	1.82	< 0.5	< 0.1	< 0.2	42	< 1	< 0.5
FRB - F	7/24/07	< 50	0.273	72	< 1	< 0.1	< 0.1	< 5	0.39	< 5	< 0.002	1.53	< 0.5	< 0.1	< 0.2	86.1	< 1	< 0.5
FRB - F	8/22/07	< 50	0.183	81.4	< 1	< 0.1	< 0.1	< 5	0.43	< 5	< 0.002	1.56	< 0.5	< 0.1	< 0.2	103	< 1	< 0.5
FRB - F	9/26/07	< 50	0.16	67	< 1	< 0.1	< 0.1	< 5	0.39	< 5	< 0.002	0.3	< 0.5	< 0.1	< 0.2	101	< 1	0.549
FRB - F	10/25/07	< 50	0.175	26.2	< 1	< 0.1	< 0.1	< 5	1.06	23.1	0.005	1.56	< 0.5	< 0.1	< 0.2	50	< 1	0.507
FRB - F	6/24/08	35.4	0.111	51	< 1	< 0.1	< 0.1	< 5	0.60	15.9	3.700	1.41	< 0.5	< 0.1	< 0.2	33.7	< 1	20.62
FRB - F	7/22/08	< 50	0.187	90.7	< 1	< 0.1	< 0.1	< 5	0.29	< 5	0.990	0.125	< 0.5	< 0.1	0.382	66.3	< 1	11.65
FRB - F	8/19/08	< 50	0.172	71.1	< 1	< 0.1	< 0.1	< 5	0.16	< 5	0.780	< 0.1	< 0.5	< 0.1	< 0.2	88.1	< 1	0.389
FRB - F	9/9/08	< 50	0.169	72.4	< 1	< 0.1	< 0.1	< 5	0.24	< 5	0.550	0.387	< 0.5	< 0.1	< 0.2	93.3	< 1	< 0.5
FRB - F	10/15/08	< 50	0.131	61.4	< 1	< 0.1	< 0.1	< 5	0.40	< 5	0.630	0.197	< 0.5	< 0.1	< 0.2	91.6	< 1	< 0.5

Appendix B cont. Tables of Metals Concentrations (see Tables 1 and 2 in text above for Site Descriptions and Locations).

Site	Date Collected	Al	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Hg	Mn	Ni	Pb	Se	Sr	U	Zn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
FRB - G	6/23/07	< 50	0.222	29.6	< 1	< 0.1	< 0.1	< 5	0.44	7.76	0.002	1.37	< 0.5	< 0.1	0.212	36.2	< 1	< 0.5
FRB - G	7/24/07	< 50	0.442	55.3	< 1	< 0.1	< 0.1	< 5	0.34	6.45	0.002	1.64	< 0.5	< 0.1	0.293	68.3	< 1	< 0.5
FRB - G	8/22/07	< 50	0.172	39.7	< 1	< 0.1	< 0.1	< 5	0.26	16	< 0.002	2.45	0.724	< 0.1	< 0.2	42.2	< 1	< 0.5
FRB - G	9/26/07	< 50	0.222	40.4	< 1	< 0.1	< 0.1	< 5	0.42	5	0.002	0.675	< 0.5	0.314	0.337	77.9	< 1	< 0.5
FRB - G	10/25/07	86.6	0.186	26.6	< 1	< 0.1	< 0.1	< 5	0.66	67.8	0.004	3.86	< 0.5	0.547	0.265	42.7	< 1	1.76
FRB - G	6/25/08	25.7	0.156	45.6	< 1	< 0.1	< 0.1	< 5	0.40	11.7	3.400	0.953	< 0.5	< 0.1	0.213	26.6	< 1	13.97
FRB - G	7/23/08	< 50	0.261	75.8	< 1	< 0.1	< 0.1	< 5	0.28	6.08	0.840	0.902	< 0.5	< 0.1	0.389	58.5	< 1	12.81
FRB - G	8/20/08	< 50	0.252	42.9	< 1	< 0.1	< 0.1	< 5	0.31	5.9	1.300	0.951	< 0.5	< 0.1	0.318	64.1	< 1	< 0.5
FRB - G	9/9/08	< 50	0.223	49.2	< 1	< 0.1	< 0.1	< 5	0.28	5.53	0.890	< 0.1	< 0.5	< 0.1	0.337	72.5	< 1	< 0.5
FRB - G	10/13/08	< 50	0.214	44	< 1	< 0.1	< 0.1	< 5	0.25	6.72	0.810	0.701	< 0.5	< 0.1	0.506	69.7	< 1	< 0.5
FRB - H	6/23/07	< 50	0.21	31.2	< 1	< 0.1	< 0.1	< 5	0.64	19.4	< 0.002	2.95	< 0.5	< 0.1	< 0.2	42.8	< 1	< 0.5
FRB - H	7/24/07	< 50	0.464	65.6	< 1	< 0.1	< 0.1	< 5	0.49	39.6	< 0.002	6.68	< 0.5	< 0.1	< 0.2	92.8	< 1	0.183
FRB - H	8/22/07	< 50	0.222	66.4	< 1	< 0.1	< 0.1	< 5	0.38	26.2	< 0.002	6.14	< 0.5	< 0.1	0.22	107	< 1	< 0.5
FRB - H	9/26/07	< 50	0.202	51.6	< 1	< 0.1	< 0.1	< 5	0.52	39.2	< 0.002	6.06	< 0.5	< 0.1	< 0.2	107	< 1	< 0.5
FRB - H	10/25/07	392.2	0.247	32.8	< 1	< 0.1	< 0.1	< 5	0.83	175	0.005	1.73	< 0.5	0.143	0.203	40.6	< 1	0.583
FRB - H	6/25/08	30.6	0.109	50.6	< 1	< 0.1	< 0.1	< 5	0.46	22.1	3.700	3.28	< 0.5	< 0.1	< 0.2	32.8	< 1	14.65
FRB - H	7/23/08	< 50	0.184	110.9	< 1	< 0.1	< 0.1	< 5	0.43	20.9	0.850	4.39	< 0.5	< 0.1	0.297	78.6	< 1	18.64
FRB - H	8/20/08	< 50	0.24	60.4	< 1	< 0.1	< 0.1	< 5	0.24	18.6	1.100	3.17	< 0.5	< 0.1	0.259	86.1	< 1	0.406
FRB - H	9/9/08	< 50	0.208	62.4	< 1	< 0.1	< 0.1	< 5	0.17	28	0.670	6.85	< 0.5	< 0.1	0.391	95.4	< 1	< 0.5
FRB - H	10/13/08	< 50	0.164	54.6	< 1	< 0.1	< 0.1	< 5	0.45	39.7	0.710	1.06	< 0.5	< 0.1	< 0.2	89.9	< 1	0.104
FRB - I	6/23/07	< 50	0.203	35.8	< 1	< 0.1	< 0.1	< 5	0.52	20.1	< 0.002	3.52	< 0.5	< 0.1	< 0.2	46.4	< 1	< 0.5
FRB - I	7/24/07	< 50	0.441	60.8	< 1	< 0.1	< 0.1	< 5	0.45	48.7	< 0.002	4.85	< 0.5	< 0.1	0.219	87.8	< 1	1.39
FRB - I	8/22/07	< 50	0.221	55.4	< 1	< 0.1	< 0.1	< 5	0.34	29.1	< 0.002	4.61	< 0.5	< 0.1	< 0.2	108	< 1	< 0.5
FRB - I	9/26/07	< 50	0.217	48.2	< 1	< 0.1	< 0.1	< 5	0.47	45	0.002	5.43	< 0.5	< 0.1	0.213	100	< 1	< 0.5
FRB - I	10/25/07	596.4	0.188	32.2	< 1	< 0.1	0.111	< 5	0.80	197	0.005	11.1	< 0.5	0.184	< 0.2	42.9	< 1	1.27
FRB - I	6/25/08	32.6	0.108	58.4	< 1	< 0.1	< 0.1	< 5	0.70	22.2	3.700	3.08	< 0.5	< 0.1	< 0.2	32.3	< 1	16.43
FRB - I	7/23/08	< 50	0.235	92.3	< 1	< 0.1	< 0.1	< 5	0.31	18.6	0.980	3.18	< 0.5	< 0.1	0.45	71.3	< 1	15.26
FRB - I	8/20/08	< 50	0.335	54.7	< 1	< 0.1	< 0.1	< 5	0.48	15.8	1.100	3.42	< 0.5	< 0.1	0.333	82.1	< 1	< 0.5
FRB - I	9/9/08	< 50	0.208	53.4	< 1	< 0.1	< 0.1	< 5	0.28	20.6	0.720	4.6	< 0.5	< 0.1	0.266	82.4	< 1	< 0.5
FRB - I	10/13/08	< 50	0.187	51.2	< 1	< 0.1	< 0.1	< 5	0.30	35.6	0.750	4.74	< 0.5	< 0.1	< 0.2	83.9	< 1	0.264

Appendix B cont. Tables of Metals Concentrations (see Tables 1 and 2 in text above for Site Descriptions and Locations).

Site	Date Collected	Al	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Hg	Mn	Ni	Pb	Se	Sr	U	Zn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
FRB - J	6/24/07	< 50	0.245	28.5	< 1	< 0.1	< 0.1	< 5	0.35	11.8	< 0.002	1.91	< 0.5	< 0.1	< 0.2	39.7	< 1	< 0.5
FRB - J	7/23/07	< 50	0.287	46.8	< 1	< 0.1	< 0.1	< 5	0.30	7.67	< 0.002	1.47	< 0.5	< 0.1	0.23	68.6	< 1	< 0.5
FRB - J	9/25/07	< 50	0.184	43.5	< 1	< 0.1	< 0.1	< 5	0.32	10.1	< 0.002	0.831	< 0.5	< 0.1	0.336	85.6	< 1	< 0.5
FRB - J	10/25/07	< 50	0.184	22.7	< 1	< 0.1	< 0.1	< 5	0.90	24.7	0.004	1.75	< 0.5	< 0.1	0.297	40.5	< 1	1.27
FRB - J	6/23/08	22.2	0.133	73.9	< 1	< 0.1	< 0.1	< 5	0.53	13.9	3.100	1.51	< 0.5	< 0.1	< 0.2	31.2	< 1	20.68
FRB - J	7/22/08	< 50	0.209	42.8	< 1	< 0.1	< 0.1	< 5	0.21	9.87	0.740	0.304	< 0.5	< 0.1	0.541	57.7	< 1	< 0.5
FRB - J	8/18/08	< 50	0.204	44.7	< 1	< 0.1	< 0.1	< 5	< 0.10	5.45	0.770	< 0.1	< 0.5	< 0.1	0.217	73.4	< 1	0.453
FRB - J	9/8/08	< 50	0.206	46.8	< 1	< 0.1	< 0.1	< 5	0.18	10.4	0.540	0.909	< 0.5	< 0.1	0.385	79.2	< 1	< 0.5
FRB - J	10/15/08	< 50	0.168	45.8	< 1	< 0.1	< 0.1	< 5	0.37	16.6	0.550	1.04	< 0.5	< 0.1	0.394	79.8	< 1	0.228
FRB - K	7/25/07	< 50	0.428	50.1	< 1	< 0.1	< 0.1	< 5	0.27	< 5	< 0.002	1.34	< 0.5	< 0.1	0.248	71.2	< 1	< 0.5
FRB - K	8/21/07	< 50	0.315	47.7	< 1	< 0.1	< 0.1	< 5	0.26	8.15	< 0.002	1.53	< 0.5	< 0.1	< 0.2	77.4	< 1	< 0.5
FRB - K	9/25/07	< 50	0.264	42.7	< 1	< 0.1	< 0.1	< 5	0.42	5.91	< 0.002	0.522	< 0.5	< 0.1	0.263	80.5	< 1	< 0.5
FRB - K	10/25/07	97.8	0.192	31	< 1	< 0.1	< 0.1	< 5	0.64	95.6	0.004	7.92	< 0.5	0.144	0.25	45.6	< 1	0.827
FRB - K	6/25/08	16.1	0.197	46.1	< 1	< 0.1	< 0.1	< 5	0.36	12.5	2.100	1.8	< 0.5	< 0.1	< 0.2	36.6	< 1	10.61
FRB - K	7/22/08	< 50	0.271	40.6	< 1	< 0.1	< 0.1	< 5	0.19	8.63	0.570	0.965	< 0.5	< 0.1	0.419	55.2	< 1	< 0.5
FRB - K	8/18/08	< 50	0.251	46.8	< 1	< 0.1	< 0.1	< 5	0.10	5.71	0.660	0.141	< 0.5	< 0.1	0.207	69.4	< 1	0.282
FRB - K	9/8/08	< 50	0.237	48.2	< 1	< 0.1	< 0.1	< 5	0.18	6.73	0.680	0.688	< 0.5	< 0.1	0.339	75.3	< 1	< 0.5
FRB - K	10/15/08	< 50	0.192	44.6	< 1	< 0.1	< 0.1	< 5	0.41	10.4	0.580	0.535	< 0.5	< 0.1	0.299	72.2	< 1	0.333

Appendix B cont. Tables of Metals Concentrations (see Tables 1 and 2 in text above for Site Descriptions and Locations).

Site	Date Collec	Al	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Hg	Mn	Ni	Pb	Se	Sr	U	Zn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ERB - 0	7/25/07	< 50	0.151	36.8	< 1	< 0.1	< 0.1	< 5	0.31	< 5.00	< 0.002	1.41	< 0.5	< 0.1	< 0.2	36.2	< 1	< 0.5
ERB - 0	8/23/07	< 50	0.172	39.7	< 1	< 0.1	< 0.1	< 5	0.26	16.00	< 0.002	2.45	0.724	< 0.1	< 0.2	42.2	< 1	< 0.5
ERB - 1	6/22/07	< 50	0.211	11.5	< 1	< 0.1	< 0.1	< 5	0.27	5.74	< 0.002	1.16	< 0.5	< 0.1	< 0.2	25.8	< 1	< 0.5
ERB - 1	7/25/07	< 50	0.348	11.3	< 1	< 0.1	< 0.1	< 5	0.14	11.70	< 0.002	1.49	< 0.5	< 0.1	< 0.2	26.1	< 1	0.744
ERB - 1	9/27/07	< 50	0.362	9.74	< 1	< 0.1	< 0.1	< 5	0.22	6.05	< 0.002	2.05	< 0.5	< 0.1	< 0.2	30.5	< 1	< 0.5
ERB - 1	10/24/07	< 50	0.266	10.7	< 1	< 0.1	< 0.1	< 5	0.42	18.70	< 0.002	1.61	< 0.5	< 0.1	< 0.2	29	< 1	2.66
ERB - 1	6/26/08	< 50	0.217	57.2	< 1	< 0.1	< 0.1	< 5	1.70	8.92	0.820	0.239	< 0.5	< 0.1	0.28	64.4	< 1	10.19
ERB - 1	7/24/08	< 50	0.212	42.4	< 1	< 0.1	< 0.1	< 5	0.21	5.32	0.810	0.101	< 0.5	< 0.1	0.248	123	< 1	0.45
ERB - 1	8/20/08	< 50	0.468	10.1	< 1	< 0.1	< 0.1	< 5	0.18	5.29	0.880	1.55	< 0.5	< 0.1	< 0.2	25.4	< 1	< 0.5
ERB - 1	9/10/08	< 50	0.366	10.1	< 1	< 0.1	< 0.1	< 5	< 0.10	10.30	< 0.500	2.25	< 0.5	< 0.1	< 0.2	25.8	< 1	< 0.5
ERB - 2	6/22/07	< 50	0.119	32.8	< 1	< 0.1	< 0.1	< 5	0.22	< 5.00	< 0.002	1.85	< 0.5	< 0.1	0.261	70.2	< 1	1.32
ERB - 2	7/25/07	< 50	0.206	56.9	< 1	< 0.1	< 0.1	< 5	0.23	< 5.00	< 0.002	3.36	< 0.5	< 0.1	0.253	120	< 1	0.138
ERB - 2	8/23/07	< 50	0.186	77.9	< 1	< 0.1	< 0.1	< 5	0.24	< 5.00	< 0.002	3.14	0.517	< 0.1	< 0.2	155	< 1	< 0.5
ERB - 2	9/27/07	< 50	0.18	76.5	< 1	< 0.1	< 0.1	< 5	0.41	< 5.00	< 0.002	2.88	< 0.5	0.678	0.212	164	< 1	0.105
ERB - 2	10/26/07	< 50	0.184	58.5	< 1	< 0.1	< 0.1	< 5	0.42	6.79	< 0.002	3.12	< 0.5	0.272	0.352	135	< 1	0.361
ERB - 2	6/26/08	< 50	0.142	56.3	< 1	< 0.1	< 0.1	< 5	0.35	7.24	1.000	1.91	< 0.5	< 0.1	0.235	66	< 1	11.35
ERB - 2	7/24/08	< 50	0.173	53.8	< 1	< 0.1	< 0.1	< 5	0.20	5.56	0.630	1.53	< 0.5	< 0.1	0.213	118	< 1	0.53
ERB - 2	8/20/08	< 50	0.255	65.7	< 1	< 0.1	< 0.1	< 5	0.27	5.54	0.670	4.79	< 0.5	< 0.1	0.291	136.8	< 1	< 0.5
ERB - 2	9/10/08	< 50	0.172	70	< 1	< 0.1	< 0.1	< 5	0.28	7.16	< 0.500	1.55	< 0.5	< 0.1	0.414	95.2	< 1	
ERB - 2	10/16/08	< 50	0.13	73.4	< 1	< 0.1	< 0.1	< 5	0.13	6.74	< 0.500	3.79	< 0.5	< 0.1	0.355	158.3	< 1	
ERB - 3	9/10/08	< 50	0.173	26.5	< 1	< 0.1	< 0.1	< 5	< 0.10	< 5.00	0.600	0.23	< 0.5	< 0.1	0.408	46.9	< 1	< 0.5
ERB - 3	10/16/08	< 50	0.157	26.7	< 1	< 0.1	< 0.1	< 5	< 0.10	< 5.00	< 0.500	< 0.1	< 0.5	< 0.1	0.28	55.5	< 1	< 0.5

Appendix B cont. Tables of Metals Concentrations (see Tables 1 and 2 in text above for Site Descriptions and Locations).

Site	Date Collet	Al	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Hg	Mn	Ni	Pb	Se	Sr	U	Zn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ERB - 4	9/27/07	< 50	0.126	42.7	< 1	< 0.1	< 0.1	< 5	0.53	< 5.00	< 0.002	0.798	< 0.5	< 0.1	0.816	218	< 1	< 0.5
ERB - 4	10/26/07	< 50	0.13	40.7	< 1	< 0.1	< 0.1	< 5	0.46	5.25	< 0.002	0.477	< 0.5	0.207	0.921	200	< 1	0.495
ERB - 4	6/26/08	< 50	< 0.1	56	< 1	< 0.1	< 0.1	< 5	0.40	7.56	1.200	1.99	< 0.5	< 0.1	0.62	198	< 1	9.32
ERB - 4	7/25/08	< 50	0.102	36.2	< 1	< 0.1	< 0.1	< 5	0.20	< 5.00	0.650	0.377	< 0.5	< 0.1	0.848	186	< 1	0.19
ERB - 4	8/21/08	< 50	0.163	37.3	< 1	< 0.1	< 0.1	< 5	0.27	< 5.00	0.570	0.565	< 0.5	< 0.1	0.888	175.2	< 1	< 0.5
ERB - 4	9/12/08	< 50	0.111	47.5	< 1	< 0.1	< 0.1	< 5	< 0.10	4.57	0.671	0.588	< 0.5	< 0.1	0.84	191.9	< 1	0.311
ERB - 4	10/14/08	< 50	< 0.1	43.1	< 1	< 0.1	< 0.1	< 5	0.23	9.67	< 0.500	0.592	< 0.5	< 0.1	1.16	219.8	< 1	0.119
ERB - 5	6/22/07	< 50	0.192	51.2	< 1	< 0.1	0.451	< 5	1.21	5.49	< 0.002	4.08	15.5	< 0.1	8.16	306	2.36	0.595
ERB - 5	7/25/07	< 50	0.319	66.4	< 1	< 0.1	0.49	< 5	1.27	8.07	< 0.002	3.65	11.2	< 0.1	8.86	429	2.5	1.38
ERB - 5	8/23/07	< 50	0.269	77.6	< 1	< 0.1	0.262	< 5	0.66	8.11	< 0.002	0.858	11.8	< 0.1	8.63	471	3.4	1.04
ERB - 5	9/27/07	< 50	0.272	82.3	< 1	< 0.1	0.265	< 5	0.78	7.46	< 0.002	0.738	11.2	0.186	8.04	497	2.95	1.3
ERB - 5	10/26/07	< 50	0.492	73.6	< 1	< 0.1	0.444	< 5	1.47	19.60	< 0.002	1.49	16	< 0.1	8.74	454	4.95	2.38
ERB - 5	6/26/08	< 50	0.214	60.4	< 1	< 0.1	0.45	< 5	0.96	26.20	0.670	1.9	16.2	< 0.1	9.4	343	2.6	14.55
ERB - 5	7/24/08	< 50	0.278	62.5	< 1	< 0.1	0.267	< 5	1.00	17.30	0.700	0.246	13.6	0.316	11.2	386	3.53	0.57
ERB - 5	8/20/08	< 50	0.376	63.8	< 1	< 0.1	0.262	< 5	0.58	16.00	0.930	0.556	16.7	< 0.1	11.9	425.8	4.55	0.875
ERB - 5	9/10/08	< 50	0.339	69.2	< 1	< 0.1	0.309	< 5	0.33	28.10	0.650	1.13	16.3	< 0.1	12.6	508.2	4.71	0.309
ERB - 5	10/16/08	< 50	0.291	75.9	< 1	< 0.1	0.302	< 5	0.31	20.50	0.800	1.14	10.7	< 0.1	11.4	490.4	3.98	0.422
ERB - 6	6/22/07	< 50	0.15	36.9	< 1	< 0.1	0.14	< 5	0.46	< 5.00	< 0.002	2.41	4.1	< 0.1	2.18	135	< 1	< 0.5
ERB - 6	7/25/07	< 50	0.276	63.1	< 1	< 0.1	0.215	< 5	0.58	< 5.00	< 0.002	3.59	4.34	< 0.1	3.3	224	1.14	0.525
ERB - 6	8/23/07	< 50	0.211	76.8	< 1	< 0.1	0.152	< 5	0.42	6.84	< 0.002	1.99	5.87	< 0.1	4.2	307	1.7	0.297
ERB - 6	9/27/07	< 50	0.212	80.2	< 1	< 0.1	0.14	< 5	0.57	5.36	< 0.002	1.83	5.13	0.12	3.59	300	1.56	0.803
ERB - 6	10/26/07	< 50	0.296	61.8	< 1	< 0.1	0.22	< 5	0.82	11.30	< 0.002	2.31	6.23	< 0.1	3.98	271	1.82	1.24
ERB - 6	6/26/08	< 50	0.15	57.9	< 1	< 0.1	0.117	< 5	0.43	9.70	0.990	1.97	3.04	< 0.1	1.83	134	< 1	10.12
ERB - 6	7/24/08	< 50	0.206	56.9	< 1	< 0.1	0.135	< 5	0.45	9.11	0.600	2.18	3.84	< 0.1	3.1	184	1.23	1.05
ERB - 6	8/20/08	< 50	0.297	68.8	< 1	< 0.1	0.149	< 5	0.38	10.40	0.820	3.08	7.86	< 0.1	5.6	253.7	2.09	0.624
ERB - 6	9/10/08	< 50	0.238	73.1	< 1	< 0.1	0.154	< 5	0.17	16.60	0.680	1.86	6.9	< 0.1	5.92	238.5	2.02	< 0.5
ERB - 6	10/16/08	< 50	0.189	76.2	< 1	< 0.1	0.157	< 5	0.19	12.80	< 0.500	2.69	4.21	< 0.1	4.24	290.5	1.71	

Appendix B cont. Tables of Metals Concentrations (see Tables 1 and 2 in text above for Site Descriptions and Locations).

Site	Date Collec	Al	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Hg	Mn	Ni	Pb	Se	Sr	U	Zn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ERB - 7	6/22/07	< 50	0.196	57.5	< 1	< 0.1	< 0.1	< 5	0.38	< 5.00	< 0.002	1.39	1.16	< 0.1	3.51	80.6	< 1	0.379
ERB - 7	7/25/07	< 50	0.206	100	< 1	< 0.1	0.137	< 5	0.51	5.45	< 0.002	2.41	3.32	< 0.1	10.5	154	1.09	0.616
ERB - 7	8/23/07	< 50	0.211	122	< 1	< 0.1	0.134	< 5	0.31	8.34	< 0.002	2.12	4.77	< 0.1	13.3	198	1.48	0.11
ERB - 7	9/27/07	< 50	0.223	128	< 1	< 0.1	0.114	< 5	0.36	7.18	< 0.002	1.7	2.54	< 0.1	12.3	194	1.28	0.204
ERB - 7	10/26/07	< 50	0.274	93.5	< 1	< 0.1	0.107	< 5	0.65	8.69	< 0.002	1.4	0.554	0.654	5.78	133	< 1	1.02
ERB - 7	6/26/08	< 50	0.178	72.3	< 1	< 0.1	< 0.1	< 5	0.44	8.61	1.300	1.14	0.638	0.184	2.73	75.6	< 1	5.01
ERB - 7	7/25/08	< 50	0.182	90.4	< 1	< 0.1	< 0.1	< 5	0.37	7.31	0.630	0.417	0.574	0.101	6.8	136	< 1	0.74
ERB - 7	8/21/08	< 50	0.264	105.7	< 1	< 0.1	< 0.1	< 5	0.39	6.51	3.200	0.83	1.09	< 0.1	9.26	154	1.01	0.16
ERB - 7	9/11/08	< 50	0.2	112.3	< 1	< 0.1	< 0.1	< 5	< 0.10	12.60	< 0.500	0.716	0.589	< 0.1	9.19	134.6	1.05	< 0.5
ERB - 7	10/14/08	< 50	0.188	108	< 1	< 0.1	0.108	< 5	0.27	11.40	1.700	1.34	1.1	< 0.1	11.3	174.8	1.09	< 0.5
ERB - 8	9/27/07	50	0.238	87.1	1	0.1	0.1	5	0.17	5.00	0.002	0.585	0.793	0.375	7.77	236	1.04	0.5
ERB - 8	10/26/07	< 50	0.283	71.6	< 1	< 0.1	0.111	< 5	0.71	7.07	< 0.002	0.914	< 0.5	< 0.1	7.59	210	1.04	0.458
ERB - 8	6/26/08	< 50	0.145	69.2	< 1	< 0.1	< 0.1	< 5	0.34	8.26	1.300	1.32	0.505	< 0.1	4.05	161	< 1	6.92
ERB - 8	7/25/08	< 50	0.177	61.7	< 1	< 0.1	< 0.1	< 5	0.25	6.70	0.560	0.778	< 0.5	< 0.1	6.22	182	< 1	0.33
ERB - 8	8/21/08	< 50	0.247	65.9	< 1	< 0.1	< 0.1	< 5	0.33	5.98	0.680	0.794	0.514	< 0.1	6.38	208.6	< 1	< 0.5
ERB - 8	9/12/08	< 50	0.23	77.1	< 1	< 0.1	< 0.1	< 5	0.23	7.61	< 0.500	0.484	< 0.5	< 0.1	9.25	208.9	1.19	< 0.5
ERB - 8	10/16/08	< 50	0.202	74.4	< 1	< 0.1	< 0.1	< 5	0.11	8.19	< 0.500	0.3	< 0.5	< 0.1	9.27	231	1.08	< 0.5
ERB - 9	9/27/07	< 50	0.233	86.3	< 1	< 0.1	< 0.1	< 5	0.18	< 5.00	< 0.002	0.612	0.709	0.144	7.15	254	1.01	< 0.5
ERB - 9	10/26/07	< 50	0.273	79.3	< 1	< 0.1	0.115	< 5	0.64	9.57	< 0.002	1.97	< 0.5	< 0.1	6.26	209	< 1	0.34
ERB - 9	6/26/08	< 50	0.146	67.9	< 1	< 0.1	< 0.1	< 5	1.40	9.21	1.900	1.93	< 0.5	< 0.1	3.5	162	< 1	7.2
ERB - 9	7/25/08	< 50	0.215	65.9	< 1	< 0.1	< 0.1	< 5	0.27	9.72	0.540	1.44	< 0.5	< 0.1	5.8	180	< 1	0.64
ERB - 9	8/21/08	< 50	0.255	72.7	< 1	< 0.1	< 0.1	< 5	0.59	6.21	1.300	0.88	0.547	< 0.1	5.62	187.4	1.08	2.34
ERB - 9	9/12/08	< 100	0.631	193.9	< 2	< 0.2	< 0.2	< 10	0.67	16.30	< 3.300	3.64	< 1	< 0.2	< 9.1	270.5	< 2	< 23.74
ERB - 9	10/16/08	< 50	0.213	77	< 1	< 0.1	< 0.1	< 5	0.38	14.30	< 0.500	0.663	< 0.5	< 0.1	8.81	249.6	1.06	0.54

Appendix C. Tables of Sediment Metals Concentration (see Tables 1 and 2 in text above for Site Descriptions and Locations).

MEAN	As mg/kg	Be mg/kg	Ca mg/kg	Cd mg/kg	Co mg/kg	Cr mg/kg	Cu mg/kg	Fe mg/kg	Hg mg/kg	Li mg/kg	Mg mg/kg
ERB - 0	3.59	0.66	29883.0	0.810	4.39	20.30	10.85	11928.5	0.061	16.1	10528.0
ERB - 1	11.06	1.22	10518.1	0.427	7.44	22.24	18.64	23050.3	0.066	25.4	4821.2
ERB - 2	6.81	0.95	17033.8	0.400	7.15	13.83	17.22	20371.4	0.035	21.6	6968.7
ERB - 3	7.95	0.75	11455.0	0.400	10.70	15.30	22.10	21560.0	0.048	9.5	4588.5
ERB - 4	5.58	0.54	43495.0	0.400	5.03	14.71	11.89	13009.3	0.040	12.7	12741.3
ERB - 5	6.58	0.71	96902.1	2.201	23.77	8.40	13.73	8932.0	0.065	6.1	7345.0
ERB - 6	6.86	0.86	41875.9	0.631	12.36	12.95	16.89	17835.4	0.041	19.1	6912.8
ERB - 7	4.72	0.55	47338.5	0.907	4.61	10.58	11.91	12213.5	0.045	9.4	7832.8
ERB - 8	5.35	0.51	67882.9	0.520	4.29	12.39	11.47	11789.4	0.037	11.4	13784.6
ERB - 9	5.07	0.50	66470.0	0.527	4.47	11.97	10.66	12121.4	0.035	11.7	14150.0
1 - Standard Deviation											
ERB - 0	0.28	0.04	1381.7	0.042	0.25	2.55	0.49	719.1	0.007	1.3	837.2
ERB - 1	1.93	0.40	4133.0	0.055	0.92	3.95	7.72	2510.4	0.018	4.5	1287.9
ERB - 2	0.88	0.25	2139.4	0.000	1.02	1.65	3.06	1570.6	0.005	3.0	595.0
ERB - 3	0.46	0.04	1774.8	0.000	0.28	1.41	0.28	226.3	0.004	1.4	869.0
ERB - 4	1.21	0.08	14875.2	0.000	1.15	2.27	3.87	1829.3	0.008	2.3	3038.1
ERB - 5	1.28	0.13	31813.1	0.800	7.01	1.48	3.43	2202.7	0.010	1.5	2060.3
ERB - 6	1.05	0.16	21523.0	0.359	5.45	1.25	2.57	2477.1	0.008	3.6	453.2
ERB - 7	0.70	0.07	19112.2	0.448	0.48	1.31	1.42	916.6	0.005	1.7	975.1
ERB - 8	0.85	0.04	11145.0	0.113	0.83	2.36	3.43	1803.4	0.010	2.8	2271.4
ERB - 9	1.08	0.15	7487.6	0.163	0.40	1.93	1.70	1061.7	0.007	1.7	1669.6

Appendix C cont. Tables of Sediment Metals Concentration (see Tables 1 and 2 in text above for Site Descriptions and Locations).

MEAN	Mn mg/kg	Mo mg/kg	Ni mg/kg	P mg/kg	Pb mg/kg	S mg/kg	Se mg/kg	Sr mg/kg	Ti mg/kg	V mg/kg	Zn mg/kg
ERB - 0	279.0	0.50	24.30	1071.0	14.6	681.0	8.000	55.1	127.5	59.8	114.5
ERB - 1	1227.7	1.30	28.96	1457.2	18.7	753.9	6.667	27.1	54.2	30.6	134.4
ERB - 2	627.2	0.88	24.12	1440.7	15.3	757.8	6.667	41.4	39.0	24.8	94.0
ERB - 3	1685.5	1.88	39.70	1770.5	12.3	1024.0	5.000	27.9	35.7	22.7	113.0
ERB - 4	586.0	0.93	19.28	1370.4	7.6	472.1	5.857	57.6	35.9	25.1	80.4
ERB - 5	395.9	0.82	70.57	667.8	12.4	2630.9	6.572	120.5	35.8	17.2	300.2
ERB - 6	626.8	0.91	48.64	1255.9	13.7	1291.1	6.500	63.2	36.8	23.6	140.3
ERB - 7	242.2	0.73	27.13	1193.4	10.8	1164.2	6.531	66.0	48.8	29.3	105.3
ERB - 8	445.6	0.61	20.37	1195.9	7.5	841.7	5.857	82.8	31.5	24.9	87.4
ERB - 9	354.6	0.62	18.60	1214.4	8.5	1069.0	5.857	77.0	44.6	23.8	76.4
1 - Standard Deviation											
ERB - 0	21.2	0.00	1.70	7.1	2.3	4.2	0.000	1.9	6.4	4.5	9.2
ERB - 1	498.9	1.38	4.74	76.2	8.8	129.3	1.581	15.1	11.3	3.7	13.8
ERB - 2	180.3	0.42	2.58	95.6	6.2	150.0	1.581	2.8	8.8	2.4	9.6
ERB - 3	23.3	0.07	0.99	23.3	0.0	152.7	0.000	2.5	6.7	1.2	5.7
ERB - 4	199.8	0.44	2.85	141.9	3.8	55.6	1.464	20.5	10.1	2.8	8.2
ERB - 5	128.6	0.45	6.64	100.4	8.4	1017.1	1.503	28.2	28.2	3.9	81.5
ERB - 6	205.8	0.47	19.56	143.6	5.7	523.8	1.581	19.3	5.6	1.4	36.3
ERB - 7	80.9	0.28	7.73	48.6	3.0	435.8	1.551	21.2	5.8	3.1	13.5
ERB - 8	27.6	0.19	2.01	77.6	1.9	322.1	1.464	12.1	2.7	4.3	9.9
ERB - 9	78.1	0.22	4.72	51.1	4.3	510.0	1.464	11.0	9.0	4.1	18.5



Appendix C cont. Tables of Sediment Metals Concentration (see Tables 1 and 2 in text above for Site Descriptions and Locations).

MEAN	As mg/kg	Be mg/kg	Ca mg/kg	Cd mg/kg	Co mg/kg	Cr mg/kg	Cu mg/kg	Fe mg/kg	Hg mg/kg	Li mg/kg	Mg mg/kg
FRB - A	6.38	0.76	20341.4	0.400	6.06	19.73	10.57	16213.0	0.034	15.0	9200.9
FRB - B	5.02	0.93	4416.6	0.400	6.75	10.99	13.21	16582.4	0.037	16.5	3331.4
FRB - C	9.68	0.67	106059.6	0.400	2.66	15.95	7.53	8265.9	0.049	8.9	25730.1
FRB - D	8.10	0.99	20827.1	0.400	8.86	12.87	16.23	19441.4	0.057	19.2	6509.7
FRB - E	6.23	0.99	4930.2	0.400	8.83	18.40	17.81	21505.6	0.046	20.8	4487.7
FRB - F	6.23	0.97	5139.6	0.409	8.32	17.44	17.78	21285.6	0.050	20.6	4577.1
FRB - G	5.67	0.87	5111.9	0.531	8.99	19.11	20.22	21096.0	0.060	20.9	4543.6
FRB - H	5.76	0.87	5065.9	0.473	7.98	17.52	16.96	20190.2	0.046	19.6	4419.9
FRB - I	5.67	0.81	4894.5	0.437	8.08	17.47	16.52	19767.1	0.044	19.2	4430.4
FRB - J	5.83	0.93	6095.5	0.431	8.01	17.43	16.49	20321.0	0.047	18.7	4790.7
FRB - K	6.78	0.87	14674.9	0.416	7.73	16.85	16.79	19250.1	0.050	19.1	7241.9
1 - Standard Deviation											
FRB - A	1.12	0.17	7260.0	0.000	0.96	4.54	2.76	2018.8	0.008	3.6	2871.2
FRB - B	0.88	0.12	337.0	0.000	0.91	1.45	1.86	1794.3	0.010	3.1	298.7
FRB - C	1.89	0.18	10708.1	0.000	0.67	3.58	2.23	1878.8	0.011	2.5	4179.0
FRB - D	1.29	0.22	5505.9	0.000	1.93	1.67	3.25	1244.1	0.012	2.8	668.9
FRB - E	1.70	0.38	2042.8	0.000	1.42	3.02	3.72	2475.3	0.005	3.3	511.7
FRB - F	0.92	0.28	493.8	0.031	1.11	1.70	3.07	1904.1	0.015	3.2	154.7
FRB - G	0.93	0.19	775.7	0.296	1.77	2.68	4.55	1290.8	0.010	4.4	479.3
FRB - H	2.17	0.38	1282.3	0.146	1.72	3.23	6.06	3392.1	0.012	5.3	683.3
FRB - I	1.52	0.18	967.7	0.078	1.42	2.93	3.78	1569.9	0.011	3.8	454.0
FRB - J	1.16	0.31	639.8	0.104	0.85	1.15	2.35	1705.5	0.007	2.4	264.9
FRB - K	0.90	0.34	5304.2	0.046	1.02	2.22	3.65	2394.5	0.014	2.8	1659.9

Appendix C cont. Tables of Sediment Metals Concentration (see Tables 1 and 2 in text above for Site Descriptions and Locations).

MEAN	Mn mg/kg	Mo mg/kg	Ni mg/kg	P mg/kg	Pb mg/kg	S mg/kg	Se mg/kg	Sr mg/kg	Ti mg/kg	V mg/kg	Zn mg/kg
FRB - A	676.4	0.51	19.91	1393.9	10.1	346.9	6.125	27.9	102.0	24.9	94.6
FRB - B	338.4	0.50	17.74	622.5	16.0	104.4	6.125	34.1	75.8	26.7	74.4
FRB - C	186.0	0.66	21.14	1011.2	10.5	623.4	5.857	81.3	46.5	20.4	175.4
FRB - D	546.2	0.60	22.81	1232.8	17.5	1014.4	6.800	61.0	34.9	25.2	87.9
FRB - E	419.9	0.50	25.94	893.8	16.7	258.8	6.636	47.0	181.4	44.0	100.0
FRB - F	501.4	0.50	25.40	1077.2	16.7	262.4	6.636	42.2	162.6	42.0	96.9
FRB - G	455.7	0.50	27.40	998.0	14.4	251.0	6.500	58.5	245.0	46.8	101.8
FRB - H	659.9	0.50	24.06	964.3	12.6	305.0	6.333	45.6	187.8	40.7	93.1
FRB - I	614.8	0.50	24.11	970.3	14.0	312.2	6.500	41.4	179.5	40.9	92.0
FRB - J	535.7	0.50	24.51	1004.1	15.2	308.7	6.636	42.4	184.4	41.2	96.0
FRB - K	479.1	0.50	23.91	1076.0	12.9	386.3	6.125	42.7	149.5	36.4	98.6
1 - Standard Deviation											
FRB - A	113.9	0.02	3.24	113.5	5.2	111.6	1.553	6.6	32.0	3.7	19.0
FRB - B	64.0	0.00	2.06	55.7	7.5	22.6	1.553	6.2	21.2	2.8	7.2
FRB - C	62.5	0.27	4.30	115.8	3.7	131.4	1.464	10.0	16.4	4.4	40.6
FRB - D	148.1	0.21	3.43	184.3	6.0	218.9	1.549	16.4	6.1	2.1	7.6
FRB - E	74.7	0.00	3.59	179.8	9.0	119.2	1.567	6.2	60.4	8.6	11.8
FRB - F	93.5	0.00	2.20	79.9	8.3	81.7	1.567	1.9	27.9	4.2	7.3
FRB - G	108.1	0.00	3.66	112.1	8.2	83.9	1.581	11.8	75.2	4.5	12.7
FRB - H	671.5	0.00	4.64	180.9	6.3	317.1	1.581	9.8	33.1	4.9	16.3
FRB - I	406.2	0.00	2.69	148.9	7.2	188.7	1.581	7.0	29.8	4.4	12.3
FRB - J	151.9	0.00	1.61	101.0	8.0	147.5	1.567	3.6	27.1	2.9	7.0
FRB - K	115.5	0.00	2.72	105.5	7.2	148.3	1.553	8.3	27.9	4.0	11.2

Appendix D. Tables of Sediment Core Metals Concentration (see Tables 1 and 2 in text above for Site Descriptions and Locations).

			As	Cd	Pb	Se	Hg
Site	Location (Bench)	Location (Bank)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		<b>PQL</b>	<b>1.5</b>	<b>0.4</b>	<b>5</b>	<b>5</b>	<b>0.0003</b>
North Fork Flathead River @ Flathead BC	High	LB	7.43	b.d.	7.65	b.d.	0.053
North Fork Flathead River @ Flathead BC	High	RB	6.65	b.d.	6.94	b.d.	0.053
North Fork Flathead River @ Flathead BC	High	LB	6.57	b.d.	7.16	b.d.	0.046
North Fork Flathead River @ Flathead BC	Low	LB	6.82	b.d.	7.20	b.d.	0.053
North Fork Flathead River @ Flathead BC	Low	RB	7.78	0.72	8.32	b.d.	0.061
North Fork Flathead River @ Flathead BC	Low	LB	5.30	0.48	7.39	b.d.	0.051
North Fork Flathead River @ Flathead BC	Mid	RB	5.70	b.d.	7.12	b.d.	0.050
North Fork Flathead River @ Flathead BC	Mid	RB	6.54	b.d.	6.97	b.d.	0.065
North Fork Flathead River @ Flathead BC	Mid	LB	6.87	b.d.	7.17	b.d.	0.052
North Fork Flathead River @ Border	High	LB	7.99	b.d.	6.18	b.d.	0.046
North Fork Flathead River @ Border	High	RB	7.37	b.d.	5.33	b.d.	0.047
North Fork Flathead River @ Border	High	LB	8.46	b.d.	b.d.	b.d.	0.039
North Fork Flathead River @ Border	High	LB	9.21	b.d.	b.d.	b.d.	0.040
North Fork Flathead River @ Border	Low	RB	6.64	b.d.	6.03	b.d.	0.040
North Fork Flathead River @ Border	Low	LB	5.93	b.d.	5.22	b.d.	0.034
North Fork Flathead River @ Border	Low	RB	6.30	b.d.	b.d.	b.d.	0.040
North Fork Flathead River @ Border	Mid	RB	7.38	b.d.	b.d.	b.d.	0.043
North Fork Flathead River @ Border	Mid	LB	6.05	b.d.	b.d.	b.d.	0.031

Appendix D cont. Tables of Sediment Core Metals Concentration (see Tables 1 and 2 in text above for Site Descriptions and Locations).

			As	Cd	Pb	Se	Hg
Site	Location (Bench)	Location (Bank)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		<b>PQL</b>	<b>1.5</b>	<b>0.4</b>	<b>5</b>	<b>5</b>	<b>0.0003</b>
Michel Creek above Elk River	Mid	LB	6.83	1.10	9.16	b.d.	0.049
Michel Creek above Elk River	High	LB	6.29	1.45	9.49	b.d.	0.059
Michel Creek above Elk River	Low	RB	4.42	1.13	8.11	b.d.	0.050
Michel Creek above Elk River	High	LB	6.92	1.23	12.8	b.d.	0.069
Michel Creek above Elk River	Low	RB	4.20	1.17	7.23	b.d.	0.050
Michel Creek above Elk River	High	RB	6.59	1.18	9.66	b.d.	0.049
Michel Creek above Elk River	Low	LB	5.07	1.63	8.52	b.d.	0.065
Michel Creek above Elk River	Mid	LB	5.99	0.98	7.20	b.d.	0.045
Michel Creek above Elk River	Mid	RB	5.08	0.96	6.76	b.d.	0.044
Michel Creek below Corbin Creek	High	LB	8.73	0.78	6.96	b.d.	0.049
Michel Creek below Corbin Creek	Low	LB	6.73	1.13	6.32	b.d.	0.049
Michel Creek below Corbin Creek	Mid	LB	6.85	1.49	6.51	b.d.	0.049
Michel Creek below Corbin Creek	High	RB	7.96	0.87	6.86	b.d.	0.044
Michel Creek below Corbin Creek	Low	RB	6.99	1.07	6.50	b.d.	0.043
Michel Creek below Corbin Creek	Mid	RB	9.18	1.17	9.09	b.d.	0.033
Michel Creek below Corbin Creek	High	LB	8.63	0.92	7.78	b.d.	0.056
Michel Creek below Corbin Creek	Low	RB	6.96	1.50	6.85	b.d.	0.048
Michel Creek below Corbin Creek	Mid	RB	8.45	1.79	8.67	b.d.	0.059

Appendix D cont. Tables of Sediment Core Metals Concentration (see Tables 1 and 2 in text above for Site Descriptions and Locations).

			As	Cd	Pb	Se	Hg
Site	Location (Bench)	Location (Bank)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		<b>PQL</b>	<b>1.5</b>	<b>0.4</b>	<b>5</b>	<b>5</b>	<b>0.0003</b>
Elk River above All Coal Mines	High	LB	5.31	0.51	b.d.	b.d.	0.040
Elk River above All Coal Mines	High	RB	5.18	0.47	b.d.	b.d.	0.031
Elk River above All Coal Mines	High	LB	5.12	0.52	b.d.	b.d.	0.039
Elk River above All Coal Mines	Low	LB	4.26	0.50	b.d.	b.d.	0.029
Elk River above All Coal Mines	Low	RB	4.09	0.55	b.d.	b.d.	0.044
Elk River above All Coal Mines	Low	LB	4.42	0.62	b.d.	b.d.	0.046
Elk River above All Coal Mines	Mid	RB	5.59	0.47	b.d.	b.d.	0.045
Elk River above All Coal Mines	Mid	LB	5.10	0.49	b.d.	b.d.	0.047
Elk River above All Coal Mines	Mid	RB	5.06	0.45	b.d.	b.d.	0.039
Elk River @ Tunnel on Hwy 3	High	LB	5.02	0.61	b.d.	b.d.	0.037
Elk River @ Tunnel on Hwy 3	High	LB	6.06	0.61	5.69	b.d.	0.039
Elk River @ Tunnel on Hwy 3	High	LB	5.22	0.60	5.39	b.d.	0.036
Elk River @ Tunnel on Hwy 3	Low	LB	4.84	0.89	b.d.	b.d.	0.038
Elk River @ Tunnel on Hwy 3	Low	LB	5.67	0.77	5.83	b.d.	0.048
Elk River @ Tunnel on Hwy 3	Low	LB	4.51	0.76	b.d.	b.d.	0.049
Elk River @ Tunnel on Hwy 3	Mid	RB	4.36	0.57	b.d.	b.d.	0.036
Elk River @ Tunnel on Hwy 3	Mid	LB	5.69	0.67	b.d.	b.d.	0.042
Elk River @ Tunnel on Hwy 3	Mid	LB	6.06	0.78	6.18	b.d.	0.043

Appendix D cont. Tables of Sediment Core Metals Concentration (see Tables 1 and 2 in text above for Site Descriptions and Locations).

			As	Cd	Pb	Se	Hg
Site	Delta Location		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		PQL	1.5	0.4	5	5	0.0003
Elk River @ Elko, B. C.	Upper		3.73	0.93	b.d.	b.d.	0.037
Elk River @ Elko, B. C.	Lower		4.18	0.58	b.d.	b.d.	0.036
Elk River @ Elko, B. C.	Lower		4.60	0.54	b.d.	b.d.	0.037
Elk River @ Elko, B. C.	Lower		5.52	0.65	5.36	b.d.	0.040
Elk River @ Elko, B. C.	Middle		4.12	0.80	b.d.	b.d.	0.044
Elk River @ Elko, B. C.	Middle		4.52	0.54	b.d.	b.d.	0.032
Elk River @ Elko, B. C.	Middle		4.01	0.72	b.d.	b.d.	0.043
Elk River @ Elko, B. C.	Upper		5.26	1.08	b.d.	b.d.	0.035
Elk River @ Elko, B. C.	Upper		4.40	0.78	b.d.	b.d.	0.035
			As	Cd	Pb	Se	Hg
Site	Sample Depth (cm)		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		PQL	1.5	0.4	5	5	0.0003
Elk River @ Lake Koocanusa Delta-Surface	0		1.75	b.d.	b.d.	b.d.	0.036
Elk River @ Lake Koocanusa Delta-20 cm	20		3.87	b.d.	b.d.	b.d.	0.030
Elk River @ Lake Koocanusa Delta-40 cm	40		6.30	b.d.	5.50	b.d.	0.040
Elk River @ Lake Koocanusa Delta-60 cm	60		4.73	0.40	b.d.	b.d.	0.043
Elk River @ Lake Koocanusa Delta-80 cm	80		6.84	b.d.	6.06	b.d.	0.039
Elk River @ Lake Koocanusa Delta-Surface	0		2.38	b.d.	b.d.	b.d.	0.037
Elk River @ Lake Koocanusa Delta-20 cm	20		2.68	b.d.	b.d.	b.d.	0.034
Elk River @ Lake Koocanusa Delta-40 cm	40		6.05	b.d.	5.52	b.d.	0.027
Elk River @ Lake Koocanusa Delta-60 cm	60		2.12	b.d.	b.d.	b.d.	0.033
Elk River @ Lake Koocanusa Delta-80 cm	80		4.19	b.d.	b.d.	b.d.	0.031
Elk River @ Lake Koocanusa Delta-100 cm	100		3.92	b.d.	b.d.	b.d.	0.033
Elk River @ Lake Koocanusa Delta-120 cm	120		4.31	b.d.	b.d.	b.d.	0.033