

Summary Report - Sediment Chemistry after a Major Storm 1 August 2012

Analysis Description				Moisture Content (dried @ 103°C)	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc	Clay	Silt	Sand	Gravel
UNIT				%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%
LOR				0.1	0.5	0.02	0.05	0.05	0.05	0.05	0.05	0.05	5	1	1	1	1
Sample Description																	
Location	Replicate No	Date of sampling	ALS WO No														
RNA	REPLICATE 1	01/08/2012	HK1219784001	44.8	12.8	0.11	36.4	29.0	34.7	0.09	22.0	0.27	95	29	38	33	0
RNA	REPLICATE 2	01/08/2012	HK1219784002	44.6	13.4	0.12	38.5	29.7	34.2	0.07	22.8	0.28	98	28	40	31	1
RNA	REPLICATE 3	01/08/2012	HK1219784003	43.2	13.8	0.12	40.1	30.5	35.9	0.08	23.9	0.29	101	25	41	33	1
RNA	REPLICATE 4	01/08/2012	HK1219784004	43.0	13.1	0.13	40.0	30.9	35.6	0.08	23.4	0.28	102	30	38	32	0
RNA	REPLICATE 5	01/08/2012	HK1219784005	43.6	14.1	0.13	43.1	31.7	37.0	0.08	24.5	0.30	107	29	39	32	0
RNA	REPLICATE 6	01/08/2012	HK1219784006	41.7	14.4	0.13	45.0	32.9	38.2	0.09	25.5	0.35	110	29	41	30	0
RNA	REPLICATE 7	01/08/2012	HK1219784007	44.1	15.3	0.14	44.2	33.8	38.2	0.10	25.8	0.31	112	29	40	31	0
RNA	REPLICATE 8	01/08/2012	HK1219784008	42.6	12.9	0.12	39.9	30.3	35.5	0.08	23.2	0.29	105	29	40	31	0
RNA	REPLICATE 9	01/08/2012	HK1219784009	43.9	14.2	0.15	44.0	31.6	36.8	0.08	25.3	0.30	104	29	42	29	0
RNA	REPLICATE 10	01/08/2012	HK1219784010	44.2	13.4	0.13	41.3	31.0	36.4	0.09	24.7	0.31	103	26	37	36	1
RNA	REPLICATE 11	01/08/2012	HK1219784011	43.8	13.2	0.13	38.3	30.2	33.3	0.09	22.7	0.28	99	29	40	31	0
RNA	REPLICATE 12	01/08/2012	HK1219784012	44.8	13.4	0.12	40.0	30.3	35.3	0.10	23.7	0.27	102	32	40	28	0
RNB	REPLICATE 1	01/08/2012	HK1219784013	44.8	16.1	0.09	41.5	26.8	35.8	0.07	22.8	0.27	95	23	30	44	3
RNB	REPLICATE 2	01/08/2012	HK1219784014	44.6	18.5	0.09	46.5	25.5	37.4	0.08	22.6	0.29	96	31	39	28	2
RNB	REPLICATE 3	01/08/2012	HK1219784015	48.4	13.0	0.10	36.6	27.6	35.8	0.08	20.7	0.28	91	24	23	49	4
RNB	REPLICATE 4	01/08/2012	HK1219784016	47.4	15.2	0.10	38.7	26.6	36.0	0.09	20.9	0.27	92	28	37	33	2
RNB	REPLICATE 5	01/08/2012	HK1219784017	43.8	14.2	0.09	36.0	24.4	34.3	0.08	20.0	0.25	87	28	34	37	1
RNB	REPLICATE 6	01/08/2012	HK1219784018	48.1	20.7	0.09	41.9	26.5	40.6	0.08	21.2	0.26	97	34	44	22	0
RNB	REPLICATE 7	01/08/2012	HK1219784019	45.3	16.4	0.10	38.1	26.3	36.3	0.08	20.6	0.29	93	20	28	49	3
RNB	REPLICATE 8	01/08/2012	HK1219784020	49.6	17.3	0.10	39.4	26.2	35.4	0.08	20.5	0.27	95	20	24	54	2
RNB	REPLICATE 9	01/08/2012	HK1219784021	48.8	16.7	0.09	41.5	27.4	38.3	0.09	22.6	0.27	97	19	20	55	6
RNB	REPLICATE 10	01/08/2012	HK1219784022	45.3	15.6	0.09	36.3	25.7	36.9	0.07	20.8	0.26	92	21	21	55	3
RNB	REPLICATE 11	01/08/2012	HK1219784023	45.2	15.4	0.11	37.4	25.2	35.6	0.06	20.6	0.28	94	25	27	45	3
RNB	REPLICATE 12	01/08/2012	HK1219784024	46.9	16.2	0.10	38.9	26.2	37.6	0.08	21.1	0.27	96	25	28	46	1
RMA	REPLICATE 1	01/08/2012	HK1219784025	53.6	15.7	0.17	45.8	42.0	41.9	0.10	27.8	0.37	120	42	48	10	0
RMA	REPLICATE 2	01/08/2012	HK1219784026	53.9	15.4	0.16	45.5	41.6	42.1	0.09	28.0	0.38	119	43	46	11	0
RMA	REPLICATE 3	01/08/2012	HK1219784027	55.2	16.5	0.20	46.3	42.5	43.5	0.12	28.8	0.38	122	42	46	12	0
RMA	REPLICATE 4	01/08/2012	HK1219784028	53.4	17.0	0.20	49.6	46.9	44.4	0.12	29.4	0.39	128	44	47	9	0
RMA	REPLICATE 5	01/08/2012	HK1219784029	53.7	16.4	0.19	47.7	45.0	43.7	0.10	29.2	0.39	126	42	43	15	0
RMA	REPLICATE 6	01/08/2012	HK1219784030	53.3	18.0	0.20	49.9	47.3	44.6	0.11	30.1	0.39	131	43	46	11	0
RMA	REPLICATE 7	01/08/2012	HK1219784031	55.9	14.2	0.16	41.7	37.5	40.7	0.12	25.6	0.34	112	39	49	12	0
RMA	REPLICATE 8	01/08/2012	HK1219784032	55.9	16.3	0.18	45.2	42.5	43.6	0.12	27.9	0.40	122	43	47	10	0
RMA	REPLICATE 9	01/08/2012	HK1219784033	55.2	15.4	0.17	44.2	40.5	41.6	0.15	26.4	0.36	117	34	57	9	0
RMA	REPLICATE 10	01/08/2012	HK1219784034	55.2	16.6	0.19	47.2	44.7	45.0	0.12	28.3	0.39	124	37	53	10	0
RMA	REPLICATE 11	01/08/2012	HK1219784035	53.0	15.3	0.17	43.5	40.6	41.0	0.16	26.5	0.36	116	39	52	9	0
RMA	REPLICATE 12	01/08/2012	HK1219784036	55.2	16.2	0.17	45.9	43.0	44.0	0.11	28.1	0.38	122	37	51	12	0

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Analysis Description				Moisture Content (dried @ 103°C)	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc	Clay	Silt	Sand	Gravel
UNIT				%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%
LOR				0.1	0.5	0.02	0.05	0.05	0.05	0.05	0.05	0.05	5	1	1	1	1
Sample Description																	
Location	Replicate No	Date of sampling	ALS WO No														
RMB	REPLICATE 1	01/08/2012	HK1219784037	51.5	14.3	0.14	39.4	34.9	39.5	0.10	23.7	0.44	108	25	52	22	1
RMB	REPLICATE 2	01/08/2012	HK1219784038	49.0	15.2	0.15	40.9	35.7	40.2	0.13	24.9	0.41	112	25	59	15	1
RMB	REPLICATE 3	01/08/2012	HK1219784039	48.4	13.0	0.13	39.4	35.0	38.9	0.11	23.7	0.38	107	30	53	16	1
RMB	REPLICATE 4	01/08/2012	HK1219784040	47.2	13.2	0.13	40.8	34.3	38.1	0.09	24.1	0.39	106	25	55	19	1
RMB	REPLICATE 5	01/08/2012	HK1219784041	49.5	14.2	0.14	47.9	37.2	41.3	0.12	27.5	0.40	115	30	46	21	3
RMB	REPLICATE 6	01/08/2012	HK1219784042	50.7	13.9	0.13	48.0	36.1	41.7	0.11	27.7	0.39	112	32	48	19	1
RMB	REPLICATE 7	01/08/2012	HK1219784043	47.8	14.7	0.14	49.0	37.6	43.1	0.11	27.8	0.40	116	36	48	15	1
RMB	REPLICATE 8	01/08/2012	HK1219784044	46.9	14.5	0.16	47.8	36.7	39.3	0.10	27.1	0.44	115	35	50	12	3
RMB	REPLICATE 9	01/08/2012	HK1219784045	50.3	14.6	0.14	48.6	37.5	41.0	0.10	28.0	0.43	116	37	49	13	1
RMB	REPLICATE 10	01/08/2012	HK1219784046	50.7	14.5	0.14	48.7	38.0	40.4	0.13	27.9	0.44	118	31	48	18	3
RMB	REPLICATE 11	01/08/2012	HK1219784047	52.7	14.4	0.15	49.2	38.7	41.9	0.12	28.7	0.40	119	33	48	18	1
RMB	REPLICATE 12	01/08/2012	HK1219784048	52.7	14.8	0.16	50.7	38.7	41.2	0.09	28.6	0.42	119	33	50	15	2
RCA	REPLICATE 1	01/08/2012	HK1219784049	57.0	16.4	0.14	59.1	43.2	45.5	0.10	34.2	0.33	132	38	54	8	0
RCA	REPLICATE 2	01/08/2012	HK1219784050	58.7	16.2	0.13	53.0	40.5	44.6	0.11	32.1	0.32	126	37	51	12	0
RCA	REPLICATE 3	01/08/2012	HK1219784051	57.0	10.6	0.12	51.3	39.7	44.0	0.09	30.6	0.38	126	36	56	8	0
RCA	REPLICATE 4	01/08/2012	HK1219784052	58.2	16.9	0.13	53.2	42.3	44.0	0.09	32.4	0.32	129	35	57	8	0
RCA	REPLICATE 5	01/08/2012	HK1219784053	48.8	14.1	0.19	47.5	35.8	37.2	0.08	27.9	0.27	111	41	52	7	0
RCA	REPLICATE 6	01/08/2012	HK1219784054	55.6	16.7	0.15	55.5	41.2	44.5	0.10	32.5	0.31	128	39	52	9	0
RCA	REPLICATE 7	01/08/2012	HK1219784055	55.3	16.0	0.13	50.9	39.6	42.3	0.10	30.6	0.30	123	40	53	7	0
RCA	REPLICATE 8	01/08/2012	HK1219784056	44.1	12.8	0.10	42.9	32.1	34.6	0.08	25.3	0.25	100	38	53	9	0
RCA	REPLICATE 9	01/08/2012	HK1219784057	57.8	15.9	0.13	54.8	40.3	44.7	0.11	32.2	0.32	127	34	55	11	0
RCA	REPLICATE 10	01/08/2012	HK1219784058	57.4	16.2	0.13	53.8	39.9	42.8	0.10	32.1	0.31	129	34	58	8	0
RCA	REPLICATE 11	01/08/2012	HK1219784059	56.1	16.4	0.16	54.6	40.6	42.3	0.08	31.6	0.32	126	34	52	14	0
RCA	REPLICATE 12	01/08/2012	HK1219784060	54.7	15.8	0.15	50.6	39.1	42.2	0.12	30.2	0.31	121	39	53	8	0
RCB	REPLICATE 1	01/08/2012	HK1219784061	52.4	15.3	0.13	45.9	36.7	40.7	0.08	29.3	0.29	114	35	56	9	0
RCB	REPLICATE 2	01/08/2012	HK1219784062	52.0	15.5	0.13	46.3	36.9	38.9	0.08	28.4	0.31	114	34	55	11	0
RCB	REPLICATE 3	01/08/2012	HK1219784063	51.8	15.7	0.12	49.6	37.0	39.3	0.09	29.0	0.30	117	32	55	13	0
RCB	REPLICATE 4	01/08/2012	HK1219784064	49.6	15.4	0.14	46.4	36.1	39.0	0.10	28.1	0.28	112	32	59	9	0
RCB	REPLICATE 5	01/08/2012	HK1219784065	49.8	15.6	0.13	46.2	36.0	39.1	0.10	28.4	0.29	111	38	49	13	0
RCB	REPLICATE 6	01/08/2012	HK1219784066	52.2	15.5	0.12	48.0	36.6	39.1	0.12	28.9	0.30	115	40	49	10	1
RCB	REPLICATE 7	01/08/2012	HK1219784067	54.5	15.3	0.15	51.6	38.1	41.0	0.11	29.8	0.31	120	36	47	17	0
RCB	REPLICATE 8	01/08/2012	HK1219784068	53.1	16.3	0.14	51.8	40.1	41.3	0.09	30.4	0.34	122	33	43	23	1
RCB	REPLICATE 9	01/08/2012	HK1219784069	50.8	16.3	0.14	48.5	38.2	40.8	0.08	28.7	0.41	115	39	49	11	1
RCB	REPLICATE 10	01/08/2012	HK1219784070	49.7	17.1	0.14	53.5	40.4	42.8	0.09	31.2	0.33	126	39	51	10	0
RCB	REPLICATE 11	01/08/2012	HK1219784071	49.0	15.3	0.12	41.7	36.9	38.7	0.10	26.5	0.31	110	39	48	13	0
RCB	REPLICATE 12	01/08/2012	HK1219784072	50.6	15.0	0.14	42.4	35.7	38.3	0.08	26.7	0.29	110	33	48	19	0

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UNIT				%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%
LOR				0.1	0.5	0.02	0.05	0.05	0.05	0.05	0.05	0.05	5	1	1	1	1
Sample Description																	
Location	Replicate No	Date of sampling	ALS WO No														
RFA	REPLICATE 1	01/08/2012	HK1219784073	51.1	15.6	0.18	39.1	37.9	36.3	0.08	23.5	0.32	108	35	46	19	0
RFA	REPLICATE 2	01/08/2012	HK1219784074	53.6	14.6	0.16	40.2	37.3	36.4	0.09	24.5	0.32	109	33	44	23	0
RFA	REPLICATE 3	01/08/2012	HK1219784075	46.6	14.7	0.17	37.7	36.8	35.2	0.08	22.6	0.30	104	28	50	22	0
RFA	REPLICATE 4	01/08/2012	HK1219784076	52.1	16.0	0.17	41.0	39.7	36.7	0.09	24.5	0.34	112	30	45	25	0
RFA	REPLICATE 5	01/08/2012	HK1219784077	51.7	14.8	0.16	40.3	40.7	37.2	0.08	24.0	0.33	110	35	46	19	0
RFA	REPLICATE 6	01/08/2012	HK1219784078	51.1	16.3	0.17	42.3	41.2	38.5	0.08	25.4	0.35	114	27	52	21	0
RFA	REPLICATE 7	01/08/2012	HK1219784079	51.6	15.3	0.18	40.0	38.5	37.0	0.09	24.7	0.34	111	30	52	18	0
RFA	REPLICATE 8	01/08/2012	HK1219784080	47.8	13.4	0.14	34.8	34.8	34.0	0.07	20.9	0.28	100	35	49	16	0
RFA	REPLICATE 9	01/08/2012	HK1219784081	49.8	13.8	0.14	35.9	34.8	35.3	0.29	21.6	0.45	105	34	48	18	0
RFA	REPLICATE 10	01/08/2012	HK1219784082	59.6	18.1	0.19	49.5	48.8	47.2	0.13	30.1	0.40	142	31	51	18	0
RFA	REPLICATE 11	01/08/2012	HK1219784083	49.1	15.0	0.15	38.4	38.5	36.7	0.10	23.2	0.30	109	32	48	20	0
RFA	REPLICATE 12	01/08/2012	HK1219784084	47.8	16.1	0.18	41.4	40.9	39.4	0.12	25.1	0.33	117	31	49	20	0
RFB	REPLICATE 1	01/08/2012	HK1219784085	54.8	16.2	0.11	44.2	31.4	41.8	0.12	29.5	0.19	115	33	58	9	0
RFB	REPLICATE 2	01/08/2012	HK1219784086	53.7	17.3	0.11	44.0	30.2	41.4	0.12	28.7	0.20	114	35	58	7	0
RFB	REPLICATE 3	01/08/2012	HK1219784087	49.7	16.3	0.14	46.9	32.4	43.7	0.15	30.6	0.22	125	37	55	8	0
RFB	REPLICATE 4	01/08/2012	HK1219784088	51.2	10.9	0.09	30.4	22.1	29.4	0.09	20.2	0.14	82	35	57	8	0
RFB	REPLICATE 5	01/08/2012	HK1219784089	50.9	17.2	0.14	46.6	34.5	45.6	0.11	30.4	0.22	126	39	50	11	0
RFB	REPLICATE 6	01/08/2012	HK1219784090	57.2	17.6	0.14	45.6	32.0	43.8	0.10	29.5	0.20	119	36	51	13	0
RFB	REPLICATE 7	01/08/2012	HK1219784091	50.2	16.1	0.14	46.6	33.6	44.6	0.11	30.3	0.21	123	38	52	10	0
RFB	REPLICATE 8	01/08/2012	HK1219784092	52.0	16.4	0.13	46.3	33.0	44.0	0.15	30.5	0.21	124	40	50	10	0
RFB	REPLICATE 9	01/08/2012	HK1219784093	51.3	17.1	0.12	44.4	31.0	42.4	0.10	29.2	0.19	117	37	53	10	0
RFB	REPLICATE 10	01/08/2012	HK1219784094	49.0	17.7	0.14	46.4	34.5	44.7	0.13	30.4	0.23	126	38	48	14	0
RFB	REPLICATE 11	01/08/2012	HK1219784095	51.7	17.2	0.14	46.8	34.4	44.7	0.10	30.9	0.22	126	40	50	10	0
RFB	REPLICATE 12	01/08/2012	HK1219784096	52.0	16.9	0.14	45.0	31.6	42.0	0.11	29.8	0.20	115	37	54	9	0
MW1	REPLICATE 1	01/08/2012	HK1219784097	57.8	11.6	0.14	49.8	54.2	47.6	0.16	30.1	0.70	148	37	60	3	0
MW1	REPLICATE 2	01/08/2012	HK1219784098	58.8	10.9	0.13	50.3	53.0	47.6	0.14	29.9	0.70	150	35	61	4	0
MW1	REPLICATE 3	01/08/2012	HK1219784099	57.9	10.7	0.12	50.2	53.1	48.0	0.14	30.0	0.68	148	36	61	3	0
MW1	REPLICATE 4	01/08/2012	HK1219784100	56.4	11.1	0.13	47.9	51.6	45.8	0.14	28.7	0.66	143	38	58	4	0
MW1	REPLICATE 5	01/08/2012	HK1219784101	58.8	12.6	0.12	52.1	55.9	49.2	0.18	31.5	0.70	156	38	58	4	0
MW1	REPLICATE 6	01/08/2012	HK1219784102	57.2	12.2	0.11	51.1	55.5	47.6	0.16	30.8	0.70	153	37	60	3	0
MW1	REPLICATE 7	01/08/2012	HK1219784103	58.4	12.6	0.12	51.8	55.7	47.5	0.13	31.5	0.68	151	37	59	4	0
MW1	REPLICATE 8	01/08/2012	HK1219784104	61.4	12.4	0.13	50.7	52.4	47.4	0.11	30.9	0.64	152	47	50	3	0
MW1	REPLICATE 9	01/08/2012	HK1219784105	56.9	12.4	0.13	49.5	51.8	45.5	0.11	30.2	0.65	145	41	55	4	0
MW1	REPLICATE 10	01/08/2012	HK1219784106	59.9	12.1	0.11	50.2	55.1	47.2	0.14	30.6	0.68	148	41	55	4	0
MW1	REPLICATE 11	01/08/2012	HK1219784107	58.5	12.1	0.12	50.3	54.3	46.1	0.12	30.4	0.66	151	38	58	4	0
MW1	REPLICATE 12	01/08/2012	HK1219784108	62.2	12.1	0.10	50.4	53.8	47.9	0.14	30.7	0.68	151	43	54	3	0
RFB	FIELD DUPLICATE 1	01/08/2012	HK1219784109	51.2	16.6	0.13	44.0	31.1	41.1	0.10	29.4	0.20	115	32	58	10	0