

Appendix 7

Surface Water and Groundwater Monitoring Results

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Sample Site	Date	pH	EC (uS/cm)	TSS (mg/L)	Flow	Sample Site	Date	pH	EC (uS/cm)	TSS (mg/L)	Flow
1	Jun-12	6.97	699	22	-	1	Dec-12	0.0	0.0	0.0	Dry
8	Jun-12	7.35	841	<5	-	8	Dec-12	0	0	0	NS
9	Jun-12	NS	NS	NS	NS	9	Dec-12	NS	NS	NS	NS
10	Jun-12	7.41	825	22	-	10	Dec-12	0	0	0	NS
11	Jun-12	7.1	822	19	-	11	Dec-12	0	0	0	NS
FMCU	Jun-12	7.03	228	29	-	FMCU	Dec-12	7.4	427.0	16.0	-
FMCD	Jun-12	7.13	215	26	-	FMCD	Dec-12	7.69	142	5	-
1	Jul-12	6.97	906	<5	-	1	Jan-13	0.0	0.0	0.0	Dry
8	Jul-12	7.3	431	32	-	8	Jan-13	0	0	0	NS
9	Jul-12	NS	NS	NS	NS	9	Jan-13	NS	NS	NS	NS
10	Jul-12	7.66	1020	12	-	10	Jan-13	0	0	0	NS
11	Jul-12	0	0	0	NS	11	Jan-13	0	0	0	NS
FMCU	Jul-12	7.35	624	22	-	FMCU	Jan-13	7.7	461.0	20.0	-
FMCD	Jul-12	7.52	230	40	-	FMCD	Jan-13	7.77	157	<5	-
1	Aug-12	7.13	1330	17	-	1	Feb-13	6.9	483.0	28.0	-
8	Aug-12	7.36	717	174	-	8	Feb-13	0	0	0	NS
9	Aug-12	NS	NS	NS	NS	9	Feb-13	NS	NS	NS	NS
10	Aug-12	7.67	1520	9	-	10	Feb-13	7.08	724	18	-
11	Aug-12	7.43	1070	25	-	11	Feb-13	6.72	391	23	-
FMCU	Aug-12	7.32	477	6	-	FMCU	Feb-13	6.7	325.0	5.0	-
FMCD	Aug-12	7.52	235	6	-	FMCD	Feb-13	7.21	257	6	-
1	Sep-12	7.18	1590	17	-	1	Mar-13	7.0	922.0	24.0	-
8	Sep-12	0	0	0	NS	8	Mar-13	0	0	0	NS
9	Sep-12	NS	NS	NS	NS	9	Mar-13	NS	NS	NS	NS
10	Sep-12	7.62	1720	106	-	10	Mar-13	7.47	1210	6	-
11	Sep-12	7.4	1290	95	-	11	Mar-13	6.98	595	13	-
FMCU	Sep-12	7.21	500	7	-	FMCU	Mar-13	7.1	284.0	26.0	-
FMCD	Sep-12	7.57	206	<5	-	FMCD	Mar-13	7.19	300	<5	-
1	Oct-12	7.24	1760	18	-	1	Apr-13	7.1	1030.0	8.0	-
8	Oct-12	0	0	0	NS	8	Apr-13	0	0	0	NS
9	Oct-12	NS	NS	NS	NS	9	Apr-13	NS	NS	NS	NS
10	Oct-12	7.67	1750	12	-	10	Apr-13	7.42	1490	6	-
11	Oct-12	7.62	1650	57	-	11	Apr-13	7.1	675	10	-
FMCU	Oct-12	7.37	453	16	-	FMCU	Apr-13	7.1	269.0	25.0	-
FMCD	Oct-12	7.65	171	8	-	FMCD	Apr-13	7.37	172	82	-
1	Nov-12	0	0	0	Dry	1	May-13	7.0	648.0	22.0	-
8	Nov-12	0	0	0	NS	8	May-13	0	0	0	NS
9	Nov-12	NS	NS	NS	NS	9	May-13	NS	NS	NS	NS
10	Nov-12	0	0	0	NS	10	May-13	7.55	1070	38	-
11	Nov-12	7.67	2550	108	-	11	May-13	7.16	603	15	-
FMCU	Nov-12	7.11	549	36	-	FMCU	May-13	0.0	0.0	0.0	NS
FMCD	Nov-12	7.44	149	43	-	FMCD	May-13	0	0	0	NS

D - Dry, N - Nil Flow, L - Low Flow, M - Medium Flow, H - High Flow NS - Sample Unobtainable

Sample Site	Date	pH	EC (uS/cm)	TSS (mg/L)
6	Jun-12	7.04	662	6400
7	Jun-12	7.14	2340	78
12	Jun-12	6.28	452	40
13	Jun-12	7.3	7560	87
JRD1	Jun-12	8.36	4280	40
JRD2	Jun-12	6.78	256	88
6	Jul-12	7.15	3320	384
7	Jul-12	7.47	2750	94
12	Jul-12	6.44	1980	84
13	Jul-12	7.25	11200	57
JRD1	Jul-12	8.63	4590	54
JRD2	Jul-12	6.9	317	72
6	Aug-12	0	NS	NS
7	Aug-12	7.41	2760	78
12	Aug-12	6.39	1030	63
13	Aug-12	7.48	9580	63
JRD1	Aug-12	8.4	4530.0	17.0
JRD2	Aug-12	6.93	336	118
6	Sep-12	NS	NS	NS
7	Sep-12	7.53	2820	166
12	Sep-12	6.57	1400	99
13	Sep-12	7.37	11500	19
JRD1	Sep-12	8.42	4550	22
JRD2	Sep-12	7.22	421	53
6	Oct-12	NS	NS	NS
7	Oct-12	7.08	2410	61
12	Oct-12	6.59	1910	118
13	Oct-12	7.29	12400	11
JRD1	Oct-12	8.44	4660	12
JRD2	Oct-12	7.24	404	37
6	Nov-12	NS	NS	NS
7	Nov-12	7.07	2490	232
12	Nov-12	6.78	3060	96
13	Nov-12	7.09	12400	44
JRD1	Nov-12	8.31	4730	8
JRD2	Nov-12	7.0	434.0	25.0

Sample Site	Date	pH	EC (uS/cm)	TSS (mg/L)
6	Dec-12	NS	NS	NS
7	Dec-12	7.1	1190	90
12	Dec-12	7.42	4340	93
13	Dec-12	7.56	11600	66
JRD1	Dec-12	8.41	4480	22
JRD2	Dec-12	8.0	474.0	50.0
6	Jan-13	NS	NS	NS
7	Jan-13	6.78	2170	34
12	Jan-13	7.0	5770.0	130.0
13	Jan-13	7.45	12100	158
JRD1	Jan-13	8.3	4590	22
JRD2	Jan-13	7.6	483.0	25.0
6	Feb-13	NS	NS	NS
7	Feb-13	7.4	2760.0	16.0
12	Feb-13	6.45	1010	27
13	Feb-13	7.4	8840	69
JRD1	Feb-13	8.26	4810	31
JRD2	Feb-13	6.66	351	28
6	Mar-13	NS	NS	NS
7	Mar-13	7.19	2550	18
12	Mar-13	6.31	636	73
13	Mar-13	7.26	6050	328
JRD1	Mar-13	8.33	4460	38
JRD2	Mar-13	6.66	242	120
6	Apr-13	NS	NS	NS
7	Apr-13	6.79	1280	72
12	Apr-13	6.73	1800	61
13	Apr-13	7.26	6050	328
JRD1	Apr-13	8.31	4540	32
JRD2	Apr-13	6.77	255	67
6	May-13	NS	NS	NS
7	May-13	7.12	2160	136
12	May-13	6.78	2520	81
13	May-13	7.46	6660	130
JRD1	May-13	8.37	4610	37
JRD2	May-13	7.31	407	656