

# Appendix 7

## Surface Water and Ground Water Monitoring Results

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Surface Water Quality Monitoring Results – 2008/2009

Sample Site	Date	pH Site 1	EC (µS/cm)	TSS (mg/L)	Flow	Sample Site	Date	pH Site 1	EC (µS/cm)	TSS (mg/L)	Flow
1	Jun-08	6.6	940	2	N	1	Dec-08	7.0	1210	6	N
8	Jun-08	7.1	810	7	N	8	Dec-08	7.3	980	16	N
9	Jun-08	7.7	740	4	L	9	Dec-08	6.8	1040	2	L
10	Jun-08	7.6	1230	5	L	10	Dec-08	7.2	1390	2	N
11	Jun-08	7.1	1840	2	N	11	Dec-08	6.8	1610	15	N
FMCU	Jun-08	6.9	620	11	VL	FMCU	Dec-08	7.0	450	2	N
FMCD	Jun-08	7.2	300	6	N	FMCD	Dec-08	6.8	160	4	L
1	Jul-08	6.8	1160	6	L	1	Jan-09	6.8	1130	39	N
8	Jul-08	7.2	1100	4	L	8	Jan-09	6.8	870	22	N
9	Jul-08	7.6	1060	3	L	9	Jan-09	7.0	1180	7	L
10	Jul-08	7.3	1400	4	M	10	Jan-09	7.3	1350	7	L
11	Jul-08	6.8	2060	7	L	11	Jan-09	6.8	1330	12	N
FMCU	Jul-08	7.4	820	10	N	FMCU	Jan-09	7.0	230	9	N
FMCD	Jul-08	7.4	190	2	VL	FMCD	Jan-09	7.3	150	27	M
1	Aug-08	6.9	1220	2	N	1	Feb-09	6.8	680	7	N
8	Aug-08	7.4	1140	4	L	8	Feb-09	7.0	590	3	L
9	Aug-08	7.7	1090	7	M	9	Feb-09	7.3	540	7	L
10	Aug-08	7.5	1410	5	N	10	Feb-09	7.1	1270	3	L
11	Aug-08	7.0	2220	4	N	11	Feb-09	6.8	910	11	N
FMCU	Aug-08	8.3	730	14	N	FMCU	Feb-09	6.8	350	13	N
FMCD	Aug-08	7.8	170	3	L	FMCD	Feb-09	7.4	260	11	M
1	Sep-08	7.1	890	9	N	1	Mar-09	6.8	650	4	N
8	Sep-08	7.5	820	2	L	8	Mar-09	7.2	700	3	N
9	Sep-08	7.8	650	5	M	9	Mar-09	7.5	820	2	M
10	Sep-08	7.9	1250	8	M	10	Mar-09	7.4	1230	6	M
11	Sep-08	7.3	1330	14	N	11	Mar-09	7.3	1060	7	N
FMCU	Sep-08	7.3	460	96	L	FMCU	Mar-09	7.3	420	9	N
FMCD	Sep-08	7.3	320	11	N	FMCD	Mar-09	7.6	150	7	M
1	Oct-08	6.7	970	3	N	1	Apr-09	7.0	740	4	N
8	Oct-08	7.7	1150	2	L	8	Apr-09	7.4	500	4	N
9	Oct-08	7.5	910	2	M	9	Apr-09	7.5	1030	9	M
10	Oct-08	7.1	1200	2	N	10	Apr-09	7.3	1050	10	M
11	Oct-08	6.8	1930	2	N	11	Apr-09	7.7	1020	11	N
FMCU	Oct-08	6.8	540	15	N	FMCU	Apr-09	6.7	340	17	M
FMCD	Oct-08	7.1	200	31	M	FMCD	Apr-09	7.3	200	51	H
1	Nov-08	7.1	1130	4	N	1	May-09	7.4	810	10	N
8	Nov-08	7.7	940	15	N	8	May-09	7.5	660	44	M
9	Nov-08	7.4	1050	3	H	9	May-09	7.9	610	41	M
10	Nov-08	7.4	510	2	L	10	May-09	7.7	1070	5	M
11	Nov-08	7.2	2020	6	N	11	May-09	7.3	940	3	N
FMCU	Nov-08	7.0	570	11	N	FMCU	May-09	6.9	540	10	N
FMCD	Nov-08	7.9	160	2	M	FMCD	May-09	8.0	180	2	M

N - Nil Flow, L - Low Flow, M - Medium Flow, H - High Flow

Groundwater Quality Monitoring Results – 2008/2009

Sample Site	Date	pH	EC (uS/cm)	TSS (mg/L)	Sample Site	Date	pH	EC (uS/cm)	TSS (mg/L)
6	Jun-08	6.1	3740	362	6	Dec-08	6.1	3750	356
7	Jun-08	6.8	2200	1130	7	Dec-08	6.8	2490	416
12	Jun-08	6.1	4640	148	12	Dec-08	6.9	11300	173
13	Jun-08	6.8	12830	32	13	Dec-08	7	13280	11
JRD1	Jun-08	7	2660	132	JRD1	Dec-08	6.9	3800	28
JRD2	Jun-08	6.7	600	130	JRD2	Dec-08	6.4	410	180
6	Jul-08	6.1	3970	174	6	Jan-09	6.6	4260	1160
7	Jul-08	7.1	2590	616	7	Jan-09	6.5	2250	160
12	Jul-08	6.7	6720	121	12	Jan-09	6.8	12440	1550
13	Jul-08	6.7	14710	6	13	Jan-09	6.8	14450	7
JRD1	Jul-08	6.8	3210	28	JRD1	Jan-09	6.8	3830	13
JRD2	Jul-08	7	3040	15	JRD2	Jan-09	7.1	3080	16
6	Aug-08	6.1	3930	804	6	Feb-09	6.3	3090	165
7	Aug-08	6.7	2350	98	7	Feb-09	6.6	2070	177
12	Aug-08	6.8	10130	216	12	Feb-09			
13	Aug-08	7	13610	15	13	Feb-09	6.9	13090	18
JRD1	Aug-08	7.0	3220	35	JRD1	Feb-09	6.9	3790	59
JRD2	Aug-08	7.2	2980	57	JRD2	Feb-09	6.7	500	63
6	Sep-08	6.2	2860	261	6	Mar-09	6.3	3820	204
7	Sep-08	6.9	2300	130	7	Mar-09	6.5	2090	534
12	Sep-08	6.6	1630	152	12	Mar-09	6.3	2390	106
13	Sep-08	6.8	13580	30	13	Mar-09	7	13250	9
JRD1	Sep-08	7.3	3230	71	JRD1	Mar-09	6.8	3870	14
JRD2	Sep-08	6.5	220	78	JRD2	Mar-09	6.7	490	27
6	Oct-08	6.4	3950	14	6	Apr-09	6.7	3340	192
7	Oct-08	6.6	2260	878	7	Apr-09	6.3	2060	196
12	Oct-08	6.8	11530	407	12	Apr-09	6.8	7970	727
13	Oct-08	6.8	13910	9	13	Apr-09	6.8	14680	2
JRD1	Oct-08	6.8	3650	28	JRD1	Apr-09	6.6	3770	11
JRD2	Oct-08	6	220	125	JRD2	Apr-09	7	2620	15
6	Nov-08	6	3750	550	6	May-09	6.8	4250	136
7	Nov-08	6.9	2250	670	7	May-09	7	2530	264
12	Nov-08	6.7	8880	182	12	May-09	6.7	11550	454
13	Nov-08	7	13180	3	13	May-09	6.9	13410	18
JRD1	Nov-08	6.7	3830	12	JRD1	May-09	6.7	3260	23
JRD2	Nov-08	6.9	240	178	JRD2	May-09	6.9	560	25