

DB1W

Parameter	Units	20-Nov-09	17-Feb-10
Depth to standing WL	(m)	15.76	15.81
pH		6.1	6.1
Conductivity @ 25°C	(µS/cm)	4430	4510
ORP	mV	58	36
Alkalinity as CaCO ₃	(mg/L)	74	125
Acidity as CaCO ₃	(mg/L)	88	113
Sulphate	(mg/L)	397	318
Chloride	(mg/L)	1560	1440
Calcium	(mg/L)	290	290
Magnesium	(mg/L)	74	69
Sodium	(mg/L)	561	565
Aluminium	(mg/L)	0.60	0.44
Iron (Filtered)	(mg/L)	0.2	17.2
Manganese	(mg/L)	1.2	1.1
Zinc	(mg/L)	0.06	0.06

For monitoring location, refer to Figure 4 "Surface and Groundwater Monitoring Sites"

DB2W

Parameter	Units	20-Nov-09	17-Feb-10
Depth to standing WL	(m)	19.83	20.24
pH		6.3	6.3
Conductivity @ 25°C	(µS/cm)	1165	1170
ORP	mV	59	19
Alkalinity as CaCO ₃	(mg/L)	140	139
Acidity as CaCO ₃	(mg/L)	10	62
Sulphate	(mg/L)	155	140
Chloride	(mg/L)	195	184
Calcium	(mg/L)	77	75
Magnesium	(mg/L)	21	18
Sodium	(mg/L)	123	126
Aluminium	(mg/L)	<0.01	<0.01
Iron (Filtered)	(mg/L)	0.3	1.1
Manganese	(mg/L)	0.9	0.7
Zinc	(mg/L)	<0.005	0.01

For monitoring location, refer to Figure 4 "Surface and Groundwater Monitoring Sites"

DB3W

Parameter	Units	20-Nov-09	17-Feb-10
Depth to standing WL	(m)	3.04	3.15
pH		6.7	7.0
Conductivity @ 25°C	(µS/cm)	112	100
ORP	(mV)	130	105
Alkalinity as CaCO ₃	(mg/L)	34	29
Acidity as CaCO ₃	(mg/L)	<1	113
Sulphate	(mg/L)	4	5
Chloride	(mg/L)	15	14
Calcium	(mg/L)	<1	2
Magnesium	(mg/L)	<1	2
Sodium	(mg/L)	19	17
Aluminium	(mg/L)	119	86
Iron (Filtered)	(mg/L)	0.1	0.2
Manganese	(mg/L)	1.4	1.4
Zinc	(mg/L)	0.4	0.4

For monitoring location, refer to Figure 4 "Surface and Groundwater Monitoring Sites"

DB4W

Parameter	Units	20-Nov-09	17-Feb-10
Depth to standing WL	(m)	11.11	10.96
pH		6.5	6.5
Conductivity @ 25°C	(µS/cm)	3580	3690
ORP	(mV)	-82	-110
Alkalinity as CaCO ₃	(mg/L)	247	215
Acidity as CaCO ₃	(mg/L)	49	61
Sulphate	(mg/L)	179	197
Aluminium	(mg/L)	0.08	0.02
Chloride	(mg/L)	987	1080
Calcium	(mg/L)	151	171
Magnesium	(mg/L)	76	87
Sodium	(mg/L)	511	522
Iron (Filtered)	(mg/L)	0.1	0.2
Manganese	(mg/L)	1.5	1.5
Zinc	(mg/L)	<0.005	0.02

For monitoring location, refer to Figure 4 "Surface and Groundwater Monitoring Sites"

DB5W

Parameter	Units	20-Nov-09	17-Feb-10
Depth to standing WL	(m)	11.76	11.72
pH		5.6	5.8
Conductivity @ 25°C	(µS/cm)	3570	3520
ORP	(mV)	43	42
Alkalinity as CaCO ₃	(mg/L)	<1	36
Acidity as CaCO ₃	(mg/L)	137	278
Sulphate	(mg/L)	406	398
Chloride	(mg/L)	1030	1000
Calcium	(mg/L)	48	47
Magnesium	(mg/L)	72	66
Sodium	(mg/L)	554	552
Aluminium	(mg/L)	0.08	0.05
Iron (Filtered)	(mg/L)	24.3	82.8
Manganese	(mg/L)	2.37	1.96
Zinc	(mg/L)	0.124	0.112

For monitoring location, refer to Figure 4 "Surface and Groundwater Monitoring Sites"

DB6W

Parameter	Units	20-Nov-09	16-Feb-10
Depth to standing WL	(m)	19.32	19.29
pH		6.1	6.7
Conductivity @ 25°C	(µS/cm)	5590	5620
ORP	(mV)	16	31
Alkalinity as CaCO ₃	(mg/L)	309	591
Acidity as CaCO ₃	(mg/L)	49	62
Sulphate	(mg/L)	96	73
Chloride	(mg/L)	1610	1840
Calcium	(mg/L)	306	287
Magnesium	(mg/L)	211	202
Sodium	(mg/L)	643	644
Aluminium	(mg/L)	0.07	0.02
Iron (Filtered)	(mg/L)	0.06	<0.5
Manganese	(mg/L)	0.321	0.296
Zinc	(mg/L)	0.001	0.007

For monitoring location, refer to Figure 4 "Surface and Groundwater Monitoring Sites"

DB7W

Parameter	Units	20-Nov-09	17-Feb-10
Depth to standing WL	(m)	10.56	11.87
pH		6.9	7.0
Conductivity @ 25 ^o C	(μ S/cm)	2850	2870
ORP	(mV)	-28	-97
Alkalinity as CaCO ₃	(mg/L)	248	363
Acidity as CaCO ₃	(mg/L)	20	21
Sulphate	(mg/L)	144	113
Chloride	(mg/L)	756	721
Calcium	(mg/L)	154	134
Magnesium	(mg/L)	58	55
Sodium	(mg/L)	408	408
Aluminium	(mg/L)	30.5	20.1
Iron (Filtered)	(mg/L)	<0.05	<0.5
Manganese	(mg/L)	0.987	0.798
Zinc	(mg/L)	0.125	0.073

For monitoring location, refer to Figure 4 "Surface and Groundwater Monitoring Sites"

DB8W

Parameter	Units	19-Nov-09	16-Feb-10
Depth to standing WL	(m)	39.60	34.84
pH		7.7	6.8
Conductivity @ 25°C	(µS/cm)	5820	4800
ORP	(mV)	114	165
Alkalinity as CaCO ₃	(mg/L)	380	356
Acidity as CaCO ₃	(mg/L)	59	26
Sulphate	(mg/L)	372	328
Chloride	(mg/L)	1430	1690
Calcium	(mg/L)	330	326
Magnesium	(mg/L)	56	64
Sodium	(mg/L)	776	756
Aluminium	(mg/L)	0.48	9.2
Iron (Filtered)	(mg/L)	<0.50	<0.5
Manganese	(mg/L)	0.76	0.81
Zinc	(mg/L)	0.006	0.081

For monitoring location, refer to Figure 4 "Surface and Groundwater Monitoring Sites"

DB9W

Parameter	Units	19-Nov-09	16-Feb-10
Depth to standing WL	(m)	18.53	19.91
pH		6.9	7.3
Conductivity @ 25°C	(µS/cm)	2850	6240
ORP	(mV)	-16	-10
Alkalinity as CaCO ₃	(mg/L)	225	300
Acidity as CaCO ₃	(mg/L)	147	15
Sulphate	(mg/L)	328	394
Chloride	(mg/L)	2090	2610
Calcium	(mg/L)	397	345
Magnesium	(mg/L)	128	101
Sodium	(mg/L)	991	904
Aluminium	(mg/L)	0.09	0.09
Iron (Filtered)	(mg/L)	0.19	<0.5
Manganese	(mg/L)	1.12	0.765
Zinc	(mg/L)	0.083	0.04

For monitoring location, refer to Figure 4 "Surface and Groundwater Monitoring Sites"

DB10W

Parameter	Units	19-Nov-09	16-Feb-10
Depth to standing WL	(m)	12.95	13.80
pH		6.8	6.3
Conductivity @ 25°C	(µS/cm)	4770	4140
ORP	(mV)	-31	64
Alkalinity as CaCO ₃	(mg/L)	320	108
Acidity as CaCO ₃	(mg/L)	49	62
Sulphate	(mg/L)	585	483
Chloride	(mg/L)	1300	1270
Calcium	(mg/L)	228	136
Magnesium	(mg/L)	120	84
Sodium	(mg/L)	585	672
Aluminium	(mg/L)	1.28	8.3
Iron (Filtered)	(mg/L)	0.14	0.21
Manganese	(mg/L)	1.05	1.11
Zinc	(mg/L)	0.025	0.217

For monitoring location, refer to Figure 4 "Surface and Groundwater Monitoring Sites"

BH4BW

Parameter	Units	20-Nov-09	17-Feb-10
Depth to standing WL	(m)	4.41	4.51
pH		6.3	6.3
Conductivity @ 25°C	(µS/cm)	289	285
ORP	(mV)	135	130
Alkalinity as CaCO ₃	(mg/L)	71	66
Acidity as CaCO ₃	(mg/L)	39	26
Sulphate	(mg/L)	17	12
Chloride	(mg/L)	30	29
Calcium	(mg/L)	10	12
Magnesium	(mg/L)	8	8
Sodium	(mg/L)	26	24
Aluminium	(mg/L)	99	39
Iron (Filtered)	(mg/L)	<0.05	<0.05
Manganese	(mg/L)	2.3	1.7
Zinc	(mg/L)	0.29	0.14

For monitoring location, refer to Figure 4 "Surface and Groundwater Monitoring Sites"

SI1W

Parameter	Units	19-Nov-09	16-Feb-10
Depth to standing WL	(m)	10.19	10.45
pH		7.3	7.2
Conductivity @ 25°C	(µS/cm)	1495	1560
ORP	(mV)	205	263
Alkalinity as CaCO ₃	(mg/L)	413	396
Acidity as CaCO ₃	(mg/L)	10	<1
Sulphate	(mg/L)	145	115
Chloride	(mg/L)	218	212
Calcium	(mg/L)	84	67
Magnesium	(mg/L)	74	67
Sodium	(mg/L)	148	143
Aluminium	(mg/L)	2.56	1.58
Iron (Filtered)	(mg/L)	<0.05	<0.5
Manganese	(mg/L)	0.141	0.095
Zinc	(mg/L)	0.034	0.011

For monitoring location, refer to Figure 4 "Surface and Groundwater Monitoring Sites"

SI2W

Parameter	Units	19-Nov-09	16-Feb-10
Depth to standing WL	(m)	24.14	23.90
pH		7.2	7.5
Conductivity @ 25°C	(µS/cm)	1630	1620
ORP	(mV)	0	2
Alkalinity as CaCO ₃	(mg/L)	269	245
Acidity as CaCO ₃	(mg/L)	10	<1
Sulphate	(mg/L)	288	222
Chloride	(mg/L)	245	264
Calcium	(mg/L)	95	101
Magnesium	(mg/L)	44	41
Sodium	(mg/L)	212	215
Aluminium	(mg/L)	0.1	0.05
Iron (Filtered)	(mg/L)	0.35	0.32
Manganese	(mg/L)	0.233	0.177
Zinc	(mg/L)	0.015	0.007

For monitoring location, refer to Figure 4 "Surface and Groundwater Monitoring Sites"

SI3W

Parameter	Units	19-Nov-09	16-Feb-10
Depth to standing WL	(m)	27.83	27.73
pH		7.2	7.2
Conductivity @ 25°C	(µS/cm)	6600	6610
ORP	(mV)	104	242
Alkalinity as CaCO ₃	(mg/L)	159	368
Acidity as CaCO ₃	(mg/L)	10	5
Sulphate	(mg/L)	250	307
Chloride	(mg/L)	2030	2160
Calcium	(mg/L)	488	421
Magnesium	(mg/L)	145	131
Sodium	(mg/L)	816	815
Aluminium	(mg/L)	3.21	3.13
Iron (Filtered)	(mg/L)	<0.5	<0.5
Manganese	(mg/L)	0.444	0.475
Zinc	(mg/L)	0.069	0.052

For monitoring location, refer to Figure 4 "Surface and Groundwater Monitoring Sites"