Appendix 5

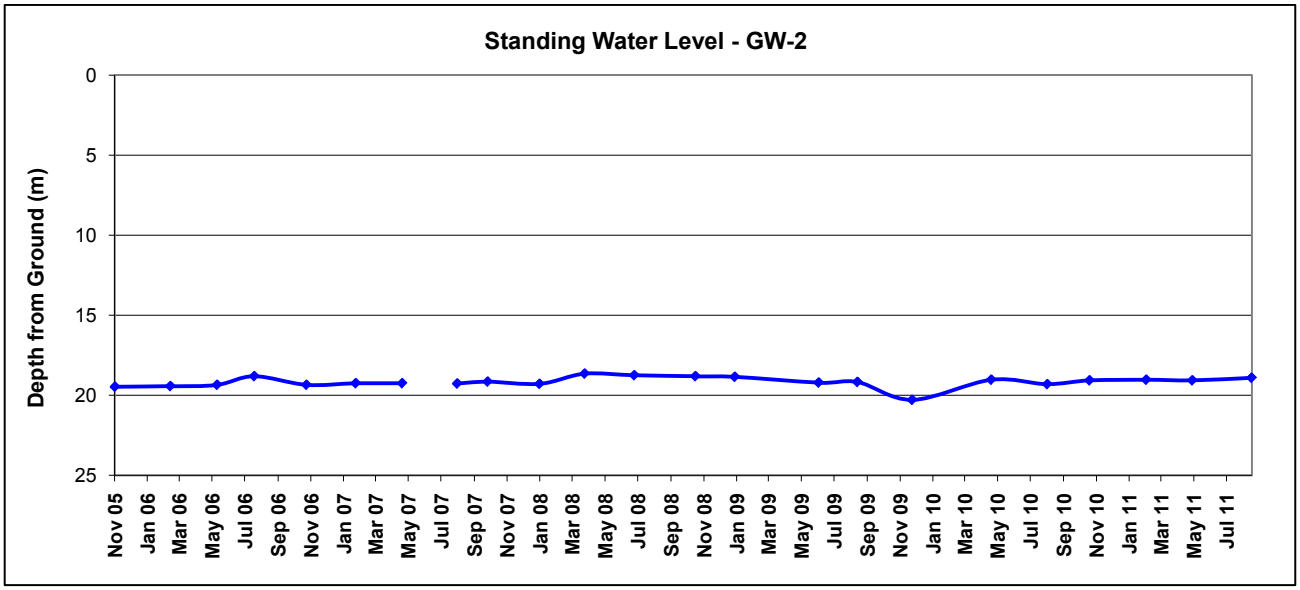
GROUNDWATER MONITORING DATA

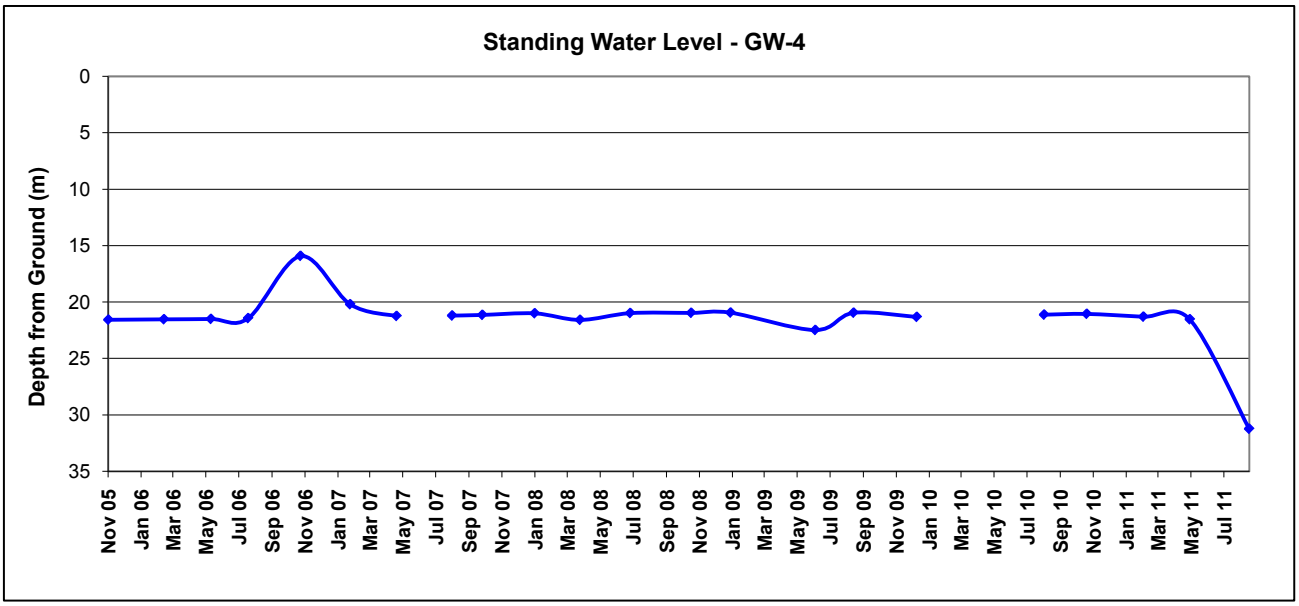
Site ID	Registered Number / Licence Number	Date	Time	Depth to Ground - mbgl	Depth to Stand - mbtoc	Field Parameters			Total Metals																	Major Cations					Major Anions														Comments
						pH - Field	EC - Field - µs/cm	Temp - Field - °C	Aluminium (Al) mg/L	Arsenic (As) - mg/L	Barium (Ba) - mg/L	Beryllium (Be) - mg/L	Cadmium (Cd) - mg/L	Chromium (Cr) mg/L	Cobalt (Co) - mg/L	Copper (Cu) - mg/L	Iron (Fe) - mg/L	Lead (Pb) - mg/L	Manganese (Mn) - mg/L	Nickel (Ni) - mg/L	Vanadium (V) - mg/L	Zinc (Zn) - mg/L	Mercury (Hg) - mg/L	pH - Lab	EC - Lab - µs/cm	Calcium (Ca) - mg/L	Magnesium (Mg) - mg/L	Sodium (Na) - mg/L	Potassium (K) - mg/L	Total Cations - meq/L	Chloride (Cl) - mg/L	Sulfate (SO4) - mg/L	Hydroxide Alkalinity as CaCO3 - mg/L	Carbonate Alkalinity as CaCO3 - mg/L	Bicarbonate Alkalinity as CaCO3 - mg/L	Alkalinity - mg/L	Total Anions - meq/L	Ionic Balance	Ammonia as Nitrogen (N)	Nitrite as N - mg/L	Nitrate as N - mg/L	NOX as N - mg/L	Total Dissolved Solids	
GW-1	GW031896	16-Nov-05	1124	18.83	18.95		1590																																						
		27-Feb-06	1133	18.75	18.88																																								
		25-May-06	1307				1630																																						
		2-Aug-06	1258																																										
		7-Nov-06	0947				1450																																						
		7-Feb-07	0950																																										
		4-May-07	0840				1440																																						
		15-Aug-07																																											
		10-Oct-07	1730				1480																																						
		15-Jan-08	0920																																										
		8-Apr-08	1040				1510																																						
		9-Jul-08	1600																																										
		31-Oct-08	1015				1640																																						
		12-Jan-09	1700																																										
		17-Jun-09	1425			7.9	1690	14.1		0.003	0.166	<0.001	0.0007	0.004	<0.001	0.02	0.32	0.017	0.002	0.017	0.01	0.317	<0.0001																	<0.01						
		28-Aug-09	0955																																										No tape access
		8-Dec-09	1600			7.52	1690	32.6	<0.01	0.002				<0.005		0.011	<0.05	0.006	0.002	<0.001		0.629	<0.0001	7.9	1380	104	40	197	2	17.1	179	55.7	<1	<1	505	505	16.3	2.29		<0.01	0.44	0.44		Unable to dip - bore case covered
		4-May-10	1305			7.86	1470	24.2		0.002	0.178	<0.001	0.0007	<0.001	<0.001	0.006	<0.05	0.003	<0.001	<0.001	0.01	0.258	<0.0001		1260	82	30	140	2	12.6	84.8	22.5	<1	<1	543	543	13.7	4.08	0.02				796	
		16-Aug-10	1250			7.66	1169	12.2																																					Sample from tap
		3-Nov-10	1250																																										Pump over bore - wet roads and paddocks
		16-Feb-11	1320			7.32	1048	27.2	<0.01	0.001				<0.005		0.019	0.13	0.008	0.004	<0.001		0.364	<0.0001	7.47	966	78	30	142	2	12.6	73	20	<1	<1	493	493	12.3	1.12		<0.01	0.3	0.3		Pump over bore - sample from tap
		13-May-11	1250			7.81	1300	17.6																																					Pump over bore
		31-Aug-11	1310																																										No pressure @ tap (no sample)
GW-2	GW031897	16-Nov-05	1130	19.48	20.22		1360																																						
		27-Feb-06	1142	19.44	20.18																																								
		25-May-06	1249	19.36	20.12		1310																																						
		2-Aug-06	1313	18.81	20.09																																								
		7-Nov-06	0955	19.35	20.08		1240																																						
		7-Feb-07	1002	19.26	20.01																																								
		4-May-07	0850	19.26	20.00		1270																																						
		15-Aug-07	1510	19.27	20.01																																								
		10-Oct-07	1735	19.16	19.91		1210																																						
		15-Jan-08	0935	19.29	20.04																																								
		8-Apr-08	1050	18.65	19.40		1220																																						
		9-Jul-08	1620	18.76	19.96																																								
		31-Oct-08	1025	18.82	20.01		1110																																						
		12-Jan-09	1025	18.85	20.03																																								
		17-Jun-09	1455	19.22	19.9	7.9	1280	20		0.002	0.149	<0.001	<0.0001	0.003	<0.001	0.007	<0.05	<0.001	0.03	0.005	<0.01	0.023	<0.0001		1160	89	27	156	4	13.5	75	10	<1	<1	551	551	13.3	0.69	<0.01				798	
		28-Aug-09	1000	19.17	19.87																																								
		8-Dec-09	1530	20.29	20.99	6.99	1290	24	<0.01	0.002				<0.005		0.002	<0.05	<0.001	0.074	0.003		0.079	<0.0001	7.42	920	83	28	145	2	12.8	70.8	17	<1	<1	509	509	12.5	1.22		<0.01	1.47	1.47		
		4-May-10	1325	19.03	19.76	7.71	1389	24.1		0.002	0.199	<0.001	<0.0001	0.003	<0.001	0.005	0.12	<0.001	0.041	<0.001	0.01	0.088	<0.0001		1230	83	28	128	1	12.3	76.4	18.7	<1	<1	544	544	13.4	4.3	0.07				782	
		16-Aug-10	1340	19.31	20.06	7.25	1223	20.2																																					
		3-Nov-10	1315	19.08	19.83																																								
		16-Feb-11	1300	19.04	19.79	6.68	1073	26.3	0.11	0.002				<0.005		0.045	0.1	<0.001	0.035	0.001		0.164	<0.0001	6.83	1020	79	31	153	2	13.2	91	21	<1	<1	495	495	12.9	1.1		<0.01	0.24	0.24		
		13-May-11	1220	19.08	19.83	7.22	1180	20.5																																					
		31-Aug-11	1250	18.92	19.67	6.91	1050	22.2	0.13	0.002	0.196	<0.001	0.0004	0.004	<0.001	0.004	0.35	0.001	0.056	0.002	0.02	0.043	<0.0001	7.44	1280	81	30	157	3	13.4	89	23	<1	<1	472	472	12.4	3.84	0.14	<0.01	0.22	0.22	710	Blanch well/windmill
GW-4	GW000880	16-Nov-05	1103	21.57	21.93		3350																																						
		27-Feb-06	1127	21.53	21.92																																								
		25-May-06	1224	21.50	21.91		3320																																						
		2-Aug-06	1241	21.43	21.86																																								
		7-Nov-06	1030	15.92	16.60		4550																																						
		7-Feb-07	0942	20.20	20.68																																								
		4-May-07	0820	21.24	21.63		3110																																						
		15-Aug-07	1450	21.20	21.59																																								
		10-Oct-07	1746	21.14	21.54		3020																																						
		15-Jan-08	1012	21.00	21.51																																								
		8-Apr-08	1105	21.58	22.06		3100																																						
		10-Jul-08	1000	20.98	21.50																																								
		31-Oct-08	0955	20.96	21.47		3310																																						
		12-Jan-09	1000	20.94	21.43																																								
		18-Jun-09	1130	22.48	22.98																																								Unable to access
		28-Aug-09	1040	20.95	21.33																																								
		23-Dec-09	1555	21.32	21.7																																								No sample - pump blocking bore
		4-May-10	1250																																										pump over bore hole
		16-Aug-10	1200	21.12	21.32																																								Windmill over bore
		3-Nov-10	1325	21.05	21.25																																								
		16-Feb-11	850	21.3	21.5																																								Windmill over bore
		13-May-11	1150	21.53	21.73																																								Windmill over bore
		31-Aug-11	1150	31.22	31.42																																								Windmill over bore
GW5		16-Nov-05	1051	24.41	24.78		4770																																						
		27-Feb-06	1109	24.36	24.76																																								
		25-May-06	1207	24.38	24.78		4560																																						
		2-Aug-06	1228	24.35	24.76																																								
		7-Nov-06	1044	21.40	21.80		3150																																						
		7-Feb-07	0932	24.29	24.67																																								
		4-May-07	0800	24.33	24.72																																								
		15-Aug-07	1435	24.37	24.74																																								
		10-Oct-07	1803	24.26	24.66		4530																																						
		15-Jan-08	1000	24.33	24.69																																								
		8-Apr-08	1120	24.38	24.78		4550																																						
		9-Jul-08	1450	24.36	24.73																																								
		31-Oct-08	0935	24.32	24.70		4640																																						
		12-Jan-09	0940																																										
		18-Jun-09	1115	24.12	24.57	7.3	4780	20.1		0.001	0.265	<0.001	0.0001	<0.001	0.009	0.01	41.2	0.006	0.113	0.022	<0.01	0.934	<0.0001		4250	63	85	876	16	48.6	846	88	<1	<1	1100	1100	47.7	0.89	2.08				2710	
		28-Aug-09	1030	24.19	24.64																																								
		23-Dec-09	1520	24.13	24.58	7.28	4050	28.5	<0.01	<0.001				<0.001		0.002	3.5	<0.001	0.204	0.003		0.066	<0.0001	7.42	4320	4	91	978	16	50.7	863	95.4	<1	<1	1060	1060	47.5	3.2		0.06	0.19	0.24		
		4-May-10	1250																																										
		16-Aug-10	1220	24.14	24.44																																								Plate cabled tight over bore
		3-Nov-10	1350	23.83	24.13																																								
		16-Feb-11	0920	Dry																																									
		13-May-11	1200	24.02	24.32																																								Boxthorn over bore
		31-Aug-11	1230	24.71	25.01																																								No sample pump over bore

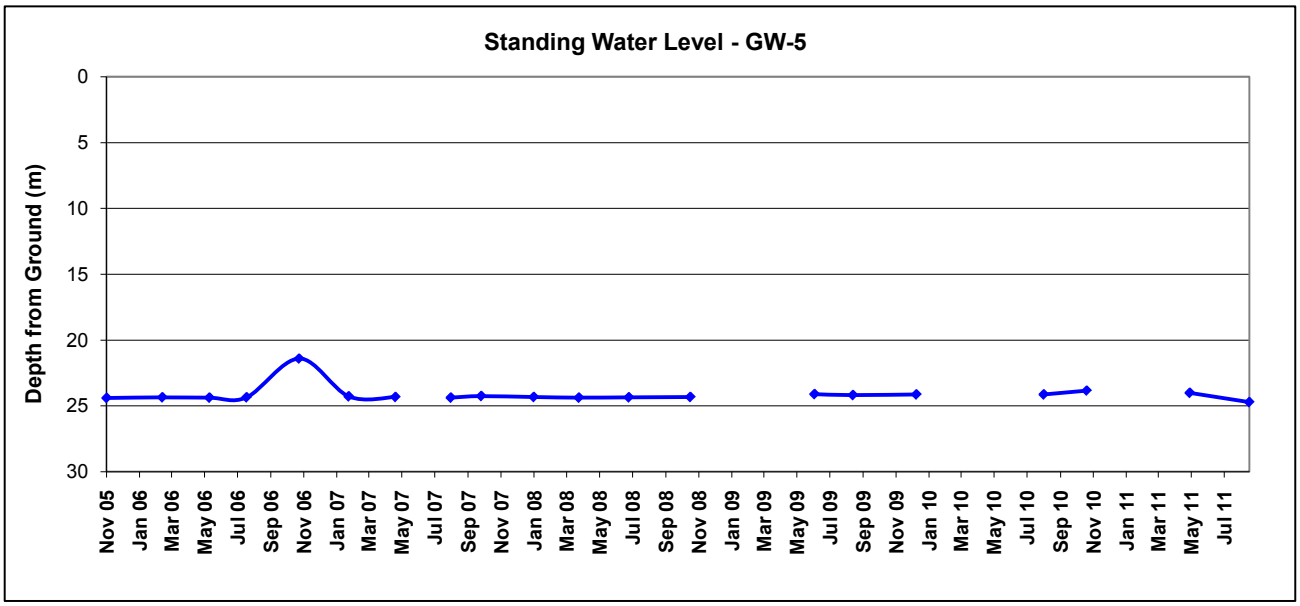
Site ID	Registered Number / Licence Number	Date	Time	Depth to Ground - mbgl	Depth to Stand - mbtoc	Field Parameters			Total Metals																Major Cations					Major Anions													Comments
						pH - Field	EC - Field - µs/cm	Temp - Field - °C	Aluminium (Al) mg/L	Arsenic (As) - mg/L	Barium (Ba) - mg/L	Beryllium (Be) - mg/L	Cadmium (Cd) - mg/L	Chromium (Cr) mg/L	Cobalt (Co) - mg/L	Copper (Cu) - mg/L	Iron (Fe) - mg/L	Lead (Pb) - mg/L	Manganese (Mn) - mg/L	Nickel (Ni) - mg/L	Vanadium (V) - mg/L	Zinc (Zn) - mg/L	Mercury (Hg) - mg/L	pH - Lab	EC - Lab - µs/cm	Calcium (Ca) - mg/L	Magnesium (Mg) - mg/L	Sodium (Na) - mg/L	Potassium (K) - mg/L	Total Cations - meq/L	Chloride (Cl) - mg/L	Sulfate (SO4) - mg/L	Hydroxide Alkalinity as CaCO3 - mg/L	Carbonate Alkalinity as CaCO3 - mg/L	Bicarbonate Alkalinity as CaCO3 - mg/L	Alkalinity - mg/L	Total Anions - meq/L	Ionic Balance	Ammonia as Nitrogen (N)	Nitrite as N - mg/L	Nitrate as N - mg/L	NOX as N - mg/L	Total Dissolved Solids	
GW-7	GW001653	16-Nov-05	1140	25.79	26.26		4290																																				
		27-Feb-06	1203	25.66	26.12																																						
		25-May-06	1327	25.60	26.07		4310																																				
		2-Aug-06	1332	25.59	26.05																																						
		7-Nov-06	0925	25.82	26.29		4240																																				
		7-Feb-07	1017	25.55	26.05																																						
		4-May-07	0915	25.66	26.13		4250																																				
		15-Aug-07	1530	25.68	26.16																																						
		10-Oct-07	1700	25.58	26.06		4270																																				
		15-Jan-08	1040	25.79	26.18																																						
		8-Apr-08	1130	25.78	26.25		4320																																				
		9-Jul-08	1515	25.79	26.27																																						
		31-Oct-08	1115	25.78	26.26		4350																																				
		13-Jan-09	1045	25.75	26.25																																						
		18-Jun-09		26.48	26.68	8	4620	19.6		<0.001	0.046	<0.001	<0.0001	<0.001	<0.001	0.008	5.22	0.002	0.029	0.004	<0.01	0.101	<0.0001		4180	8	81	554	247	37.5	1000	<10	<1	<1	655	655	41.4	4.88	52.3				2250	
		28-Aug-09	1015	26.61	26.81																																						
		8-Dec-09	1610	26.74	26.94	8.07	4470	24.7	<0.01	<0.001				<0.005		<0.001	<0.05	<0.001	0.021	0.002		<0.005	<0.0001	8.17	4110	8	80	580	250	38.6	1080	0.67	<1	<1	591	591	42.3	4.6		<0.01	0.04	0.04		
		4-May-10	1445	26.94	27.3	7.57	5210	23.3		0.001	0.031	<0.001	<0.0001	<0.001	<0.001	0.004	3.41	<0.001	0.032	0.002	<0.01	0.021	<0.0001		4780	15	75	590	287	41.2	1030	43.6	<1	<1	859	859	44.2	3.54	46.9				2680	
		16-Aug-10	1415	27.13	27.48	8.14	4830	20.6																																			
		3-Nov-10	1240	27.19	27.54																																						
		16-Feb-11	1400	27.17	27.52	7.67	3900	27.5	0.01	<0.001				<0.005		0.03	0.88	<0.001	0.03	0.001		0.037	<0.0001	7.93	4680	16	82	628	297	42.5	1050	34	<1	<1	796	797	46.3	4.32		0.04	0.16	0.2		
		13-May-11	1330	27.25	27.6	7.84	4785	21.3																																			
		31-Aug-01	1115	24.45	24.8	8.6	4175	22.8	0.26	0.002	0.063	<0.001	0.0001	<0.001	<0.001	0.014	11.6	0.003	0.081	0.006	<0.01	0.165	<0.0001	8.1	5170	13	83	684	322	45.5	986	20	<1	<1	805	805	44.3	1.28	51.2	0.02	<0.01	0.02	2460	Under tank stand (Box thorn)
GW-8	GW005749	16-Nov-05	1205	19.29	19.92		5830																																				
		27-Feb-06	1215	19.82	20.47																																						
		25-May-06	1337	20.53	21.17		6130																																				
		2-Aug-06	1353	20.79	21.93																																						
		7-Nov-06	0903	22.24	22.86		5640																																				
		7-Feb-07	1034	21.93	22.56																																						
		4-May-07	0940	21.88	22.45		4090																																				
		15-Aug-07	1540	22.10	22.71																																						
		10-Oct-07	1643	22.16	22.74		4820																																				
		15-Jan-08	1100	22.45	23.04																																						
		8-Apr-08	1150	22.67	23.28		5490																																				
		10-Jul-08	0930	22.89	23.51																																						
		30-Oct-08	1820	23.10	23.71		6010																																				
		13-Jan-09	0910	23.15	23.77																																						
		18-Jun-09	1420	23.31	23.88	6.8	6120	20.9		<0.001	1.01	<0.001	0.0001	<0.001	0.002	0.018	214	0.002	1.97	0.01	<0.01	1.38	<0.0001		5420	330	87	606	11	50.2	1910	<10	<1	<	44	44	54.6	4.17	1.34				3350	
		28-Aug-09	1142	23.29	23.89																																						
		8-Dec-09	1405	23.3	23.9	6.62	6010	27.3	<0.01	<0.001				<0.001		<0.001	103	<0.001	1.5	0.004		0.07	<0.0001	6.42	5100	252	98	630	10	48.4	1800	0.81	<1	<1	31	31	51.4	3.06		<0.01	0.04	0.04		
		4-May-10	1050	23.27	23.87	6.87	5940	22.7		0.009	0.733	<0.001	<0.0001	0.002	0.004	0.047	195	0.002	2.13	0.012	<0.01	0.238	<0.0001		5620	235	107	691	17	51	1850	0.94	<1	<1	86	86	54	2.83	21				4560	
		16-Aug-10	1120	23.15	23.75	7.11	5750	20.5																																			
		3-Nov-10	1210	23.13	23.73																																						
		16-Feb-11	1145		Dry																																						
		13-May-11	1110	22.78	23.38	6.75	5880	21.3																																			
		31-Aug-11	1040	22.78	23.38	6.79	5120	22.7	0.34	<0.001	0.505	<0.001	0.0047	<0.001	0.001	0.017	133	0.006	1.04	0.005	<0.01	0.226	<0.0001	6.4	6180	175	110	790	17	52.6	1700	<1	<1	<1	68	68	49.3	3.21	18.2	<0.01	0.07	0.07	3720	From windmill Wilga
GW-9	GW001613	16-Nov-05	1340	20.75	21.47		7810																																				
		27-Feb-06	1105	20.70	21.43																																						
		25-May-06	1428	20.71	21.40		11450																																				
		2-Aug-06	1211	20.62	21.36																																						
		7-Nov-06	1104	19.71	20.43		11930																																				
		7-Feb-07	1106	19.69	20.40																																						
		4-May-07	0740	19.73	20.44		12630																																				
		15-Aug-07	1500	19.77	20.45																																						
		10-Oct-07	1820	19.73	20.40		12940																																				
		15-Jan-08	1225	19.66	20.43																																						
		8-Apr-08	1420	19.66	20.44		12790																																				
		10-Jul-08	0940	19.68	20.41																																						
		31-Oct-08	1215	19.67	20.45		12690																																				
		13-Jan-09	1640	19.56	20.36																																						
		18-Jun-09	1205	19.65	20.29	6.6	10400	19.2		<0.001	0.055	<0.001	<0.0001	<0.001	<0.001	0.003	324	0.001	12.3	0.014	<0.01	0.041	<0.0001		10000	69	148	1750	44	93	3530	<20	<1	<1	3	3	99.7	3.48	18.2				6310	
		28-Aug-09	1055	19.71	20.39																																						
		8-Dec-09	1510	19.62	20.3	6.32	11810	24	<0.01	<0.001				<0.001		<0.001	386	<0.001	18.2	0.004		0.035	<0.0001	5.36	1070	80	132	1830	39	95.3	3570	1.17	<1	<1	<1	<1	101	2.81		<0.01	0.17	0.17		
		4-May-10	915	19.8	20.48	8.04	7490	21.6		<0.001	0.014	<0.001	0.0001	<0.001	<0.001	0.017	52.8	0.004	4.1	0.009	<0.01	0.099	<0.0001		7490	32	114	1380	33	71.7	2270	196	<1	<1	201	201	72	0.23	17.1				4640	
		16-Aug-10	915	19.52	20.17	7.42	6670	18.6																																			
		3-Nov-10	915	19.33	19.98																																						
		16-Feb-11	950	24.69	25.34																																						No sample, just about 20mm black sludge
		13-May-11	920	21.37	22.02	6.7	7465	20.1																																			
		31-Aug-11	900	19.78	20.43	7.16	6110	19.7	1.69	<0.001	0.05	<0.001	<0.0001	0.003	0.002	0.022	43.1	0.003	2.91	0.01	<0.01	0.133	<0.0001	7.35	7420	32	104	1290	29	67	1760	380	<1	<1	288	288	63.3	2.81	13.4	<0.01	0.02	0.02	3690	Windmill-haul road
GW-10	GW001602	16-Nov-05	1403	21.64	22.29		6250																																				
		27-Feb-06	1055	21.48	22.14		6500																																				
		25-May-06	1439	21.14	21.78		6060																																				
		7-Nov-06	1120			7.1	6640		<0.02	<0.001							0.17		<0.02							98	94	1220	12		1490	437				1060				0.01	0.3			
		7-Feb-07																																									
		4-May-07	1055				6400																																				
		10-Oct-07	1255			7.3	6670		0.05	0.001							0.24		0.02							94	90	1240	17		1520	17				1040				0.02	<0.1			
		15-Jan-08																																									
		8-Apr-08	1400																																								
		10-Jul-08	828																																								
		30-Oct-08	1620			6.8	6800		<0.02	<0.001							0.02		0.01							95	91	1200	15		1600	4400				1100				<0.01	1.3			
		12-Jan-09	1615																																								No sample
		18-Jun-09	1220		21.24	6.8	7110	15.6		<0.001	0.039	<0.001	<0.0001	0.001	<0.001	0.019	1.47	0.001	0.002	0.003	<0.01	0.01	<0.0001		6650	98	98	1360	13	72.7	1530	599	<1	<1	1080	1080	77.4	3.18	<0.01				4280	
		28-Aug-09	1105	20.31	21.13																																						
		8-Dec-09	1440	19.13	19.95	6.87	7260	36.1	<0.01	<0.001				<0.005		0.029	<0.05	<0.001	0.001	0.004		0.025	<0.0001	7	6400	92	98	1380	12	73	1430	406	<1	<1	1030	1030	69.4	2.56		<0.01	1.12	1.12		
		4-May-10	1125	20.3	21.12	6.98	6950	23		<0.001	0.041	<0.001	<0.0001	<0.001	<0.001	0.032	0.3	0.001	0.009	0.004	<0.01	0.104	<0.0001		6690	102	98	1310	13	70.6	1520	410	<1	<1	1100	1100	73.5	2	<0.10				4480	
		16-Aug-10	935	20.2	21	6.95	6770	14.2																																			
		3-Nov-10	935	20.16	20.96																																						
		16-Feb-11	1010	20.04	20.84	6.69	5600	26.5	<0.01	<0.001				<0.005		0.077	0.11	0.003	0.016	0.01		0.285	<0.0001	6.96	6670	100	107	1330	14	72.2	1530	389	<1	<1	989	989	71	0.79		<0.01	0.6	0.6		
		13-May-11	940	19.93	20.73	6.77	6950	21.7																																			
		31-Aug-11	0920	20.68	21.48	6.8	5980	21.8	0.05	0.002	0.04	<0.001	<0.0001	0.002	<0.001	0.181	3.98	0.079	0.004	0.013	<0.01	0.111	0.0005	7.36	7260	115	111	1410	13	76.5	1440	419	<1	<1	1040	1040	70.1	4.34	<0.01	<0.01	0.69	0.69	4100	Pump (running)

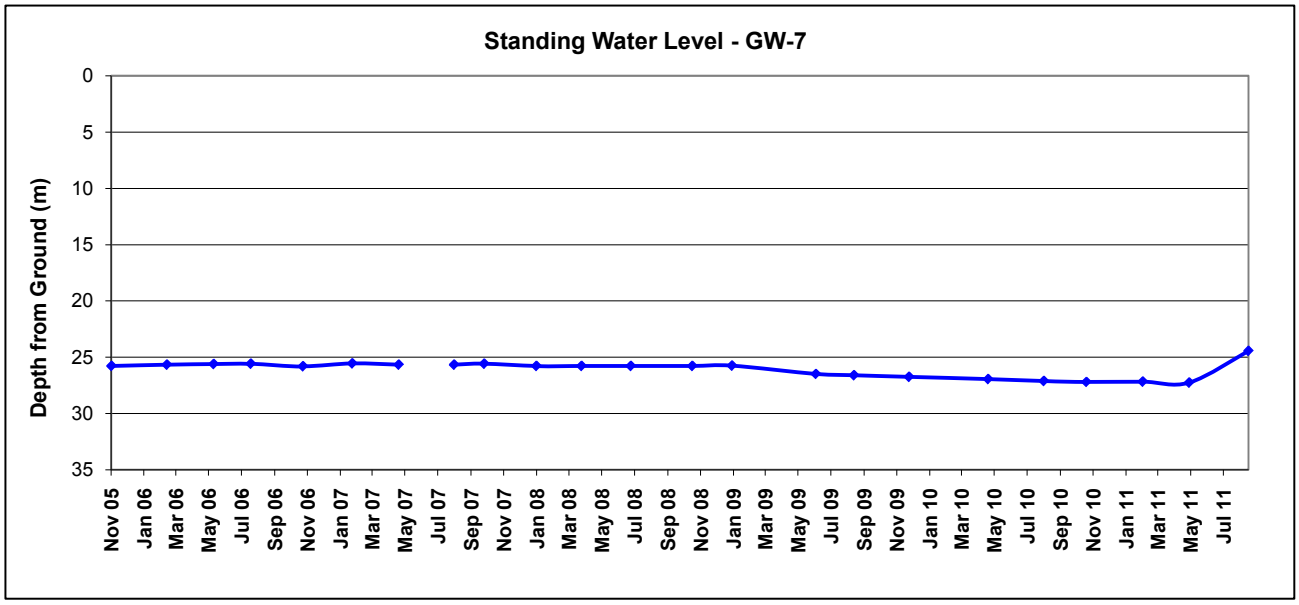
Site ID	Registered Number / Licence Number	Date	Time	Depth to Ground - mbgl	Depth to Stand - mbtoc	Field Parameters			Total Metals																	Major Cations					Major Anions													Comments
						pH - Field	EC - Field - µs/cm	Temp - Field - °C	Aluminium (Al) mg/L	Arsenic (As) - mg/L	Barium (Ba) - mg/L	Beryllium (Be) - mg/L	Cadmium (Cd) - mg/L	Chromium (Cr) mg/L	Cobalt (Co) - mg/L	Copper (Cu) - mg/L	Iron (Fe) - mg/L	Lead (Pb) - mg/L	Manganese (Mn) - mg/L	Nickel (Ni) - mg/L	Vanadium (V) - mg/L	Zinc (Zn) - mg/L	Mercury (Hg) - mg/L	pH - Lab	EC - Lab - µs/cm	Calcium (Ca) - mg/L	Magnesium (Mg) - mg/L	Sodium (Na) - mg/L	Potassium (K) - mg/L	Total Cations - meq/L	Chloride (Cl) - mg/L	Sulfate (SO4) - mg/L	Hydroxide Alkalinity as CaCO3 - mg/L	Carbonate Alkalinity as CaCO3 - mg/L	Bicarbonate Alkalinity as CaCO3 - mg/L	Alkalinity - mg/L	Total Anions - meq/L	Ionic Balance	Ammonia as Nitrogen (N)	Nitrite as N - mg/L	Nitrate as N - mg/L	NOX as N - mg/L	Total Dissolved Solids	
GW-11	90BL249739	**15-Jan-08**																																											
		8-Apr-08	1405	18.33	18.65		3260																																						
		10-Jul-08	0830																																										
		30-Oct-08	1635	18.25	18.56	9.5	3300		<0.02	<0.001							<0.01		16							31	0.012	530	10		1100	11.3				34				0.01	0.05			
		12-Jan-09	1625	18.14	18.48																																								
		18-Jun-09	1255		18.42	9.4	3740	20.4		<0.001	0.026	<0.001	<0.0001	<0.001	<0.001	0.006	1.29	0.001	0.122	0.008	<0.01	0.255	<0.0001		3560	32	18	678	10	32.9	1040	<10	<1	<1	68	68	30.6	3.63	4.14				1880	
		28-Aug-09	1110	18.07	18.39																																								
		8-Dec-09	1450	17.99	18.31	8.35	3730	25.4	<0.01	<0.001				<0.001		<0.001	<0.05	<0.001	0.165	<0.001		<0.005	<0.0001	8.41	3450	49	22	667	9	33.6	1090	0.62	<1	4	50	54	31.9	2.55		<0.01	<0.01	<0.01		
		4-May-10	1155	19.03	19.28	7.73	4060	24.1		<0.001	0.04	<0.001	<0.0001	<0.001	<0.001	0.004	2.13	<0.001	0.205	0.001	<0.01	0.214	<0.0001		3750	55	24	722	11	36.4	1160	<0.50	<1	<1	61	61	33.8	3.62	4.61				2390	
		16-Aug-10	955	17.96	18.21	9.31	3830	19																																					
		3-Nov-10	950	17.95	18.2																																								
		16-Feb-11	1030	17.93	18.18	7.8	3300	25.7	<0.01	<0.001				<0.001		0.002	0.23	<0.001	0.336	<0.001		0.035	<0.0001	7.21	3790	66	30	675	10	35.3	1200	<1	<1	<1	51	51	35	0.5		<0.01	0.02	0.02		
		13-May-11	1000	17.84	18.09	7.05	3920	20.4																																					
		31-Aug-11	0940	17.81	18.06	7.58	3450	21.9	0.25	<0.001	0.072	<0.001	<0.0001	<0.001	<0.001	0.004	9.91	0.001	0.466	0.002	<0.01	0.277	<0.0001	7.34	4280	92	32	724	10	39	1240	2	<1	<1	42	42	35.9	4.15	5.64	<0.01	0.01	0.01	2430	Wind mill (white house)
VNW221		**7-Nov-06**	0846	11.59	12.14		10400																																						
or		**7-Feb-07**	1045	11.67	12.34																																								
P1		**4-May-07**	0955	12.82	13.46		11010																																						
		15-Aug-07	1550	12.96	13.63																																								
		10-Oct-07	1625	12.40	13.95		11040																																						
		15-Jan-08	1115	14.15	14.84																																								
		8-Apr-08	1510	14.25	14.94		13310																																						
		10-Jul-08	0910	18.43	19.11																																								
		30-Oct-08	1800	21.29	21.29	6.8	15950		0.03	<0.01							<0.01		500							390	0.005	2300	31		<0.2	480				750				<0.01	0.47			
		13-Jan-09	0835	22.00	22.67																																								
		18-Jun-09	1358																																										Dry
		28-Aug-09	1130																																										Dry
		8-Dec-09	1335																																										Dry
		4-May-10	10.15		Dry																																								
		16-Aug-10	10.55		Dry																																								
		3-Nov-10	1155		Dry																																								
		16-Feb-11	1130		Dry																																								
		13-May-11	1050	22.97	23.72																																								Insufficient Water
		31-Aug-11	1020																																										Insufficient Water
VNW222		**7-Nov-06**	0835	12.71	13.42																																								
or		**7-Feb-07**	1050	12.32	13.02																																								
P2		**4-May-07**	1035	13.20	13.90		22260																																						
		15-Aug-07	1558	13.29	13.97																																								
		10-Oct-07	1680	13.35	14.16		20800																																						
		15-Jan-08	1125	13.94	14.65																																								
		8-Apr-08	1300	15.17	15.87		20900																																						
		10-Jul-08	0905	24.33	25.00																																								
		30-Oct-08																																											
		13-Jan-09																																											No sample-Site does not exist
VNW223		**7-Nov-06**	0826	19.20	20.01																																								
or		**7-Feb-07**	1053	18.59	19.39																																								
P3		**4-May-07**	1010	18.10	19.90		6320																																						
		15-Aug-07	1605	19.53	20.32																																								
		10-Oct-07	1607	19.66	20.46		7560																																						
		15-Jan-08	1140	20.16	20.95																																								
		8-Apr-08	1330	20.64	21.43		9630																																						
		10-Jul-08	0850	22.76	23.57																																								
		30-Oct-08	1845	24.91	25.72	7.2	10480		0.03	<0.001							<0.01		270							190	0.035	1600	19		3300	170				820				0.01	0.2			
		13-Jan-09	0845	24.53	25.33																																								
		18-Jun-09	1330	22.31	23.11																																								Insufficient water to sample
		28-Aug-09	1123	27.36	28.86																																								
		8-Dec-09	1315	26.35	27.15	7.22	10300	26.7	<0.01	<0.001				<0.005		0.003	<0.05	<0.001	0.107	0.029		0.024	<0.0001	7.42	8600	165	257	1640	13	101	2700	120	<1	<1	789	789	94.3	3.43		<0.01	0.19	0.19		
		4-May-10	955	25.05	25.83	7.46	9330	22		<0.001	0.317	<0.001	<0.0001	0.003	0.018	0.013	2.22	0.019	0.34	0.024	0.01	0.04	<0.0001		9650	179	262	1540	14	97.9	2920	149	<1	<1	876	876	103	2.54	<0.10				6390	
		16-Aug-10	1025	24.28	25.03	7.46	8540	20.1																																					
		3-Nov-10	1125	23.9	24.65																																								
		16-Feb-11	1115	23.39	24.14	6.88	7310	26.1	0.48	<0.001				<0.005		0.008	0.28	0.001	0.037	0.004		0.06	<0.0001	7.1	9530	171	268	1540	13	97.7	2970	165	<1	<1	698	698	101	1.78		0.02	0.47	0.48		
		13-May-11	1025	22.99	23.74	6.91	9875	20.8																																					
		1-Sep-11	0900	22.45	23.2	7.15	8775	21.7	19.1	0.004	0.41	<0.001	0.0001	0.027	0.048	0.026	20.6	0.036	0.764	0.05	0.04	0.081	<0.0001	7.87	11600	183	275	1580	13	101	3410	174	<1	<1	562	562	111	4.84	<0.10	<0.01	0.39	0.39	5880	Needed small bail

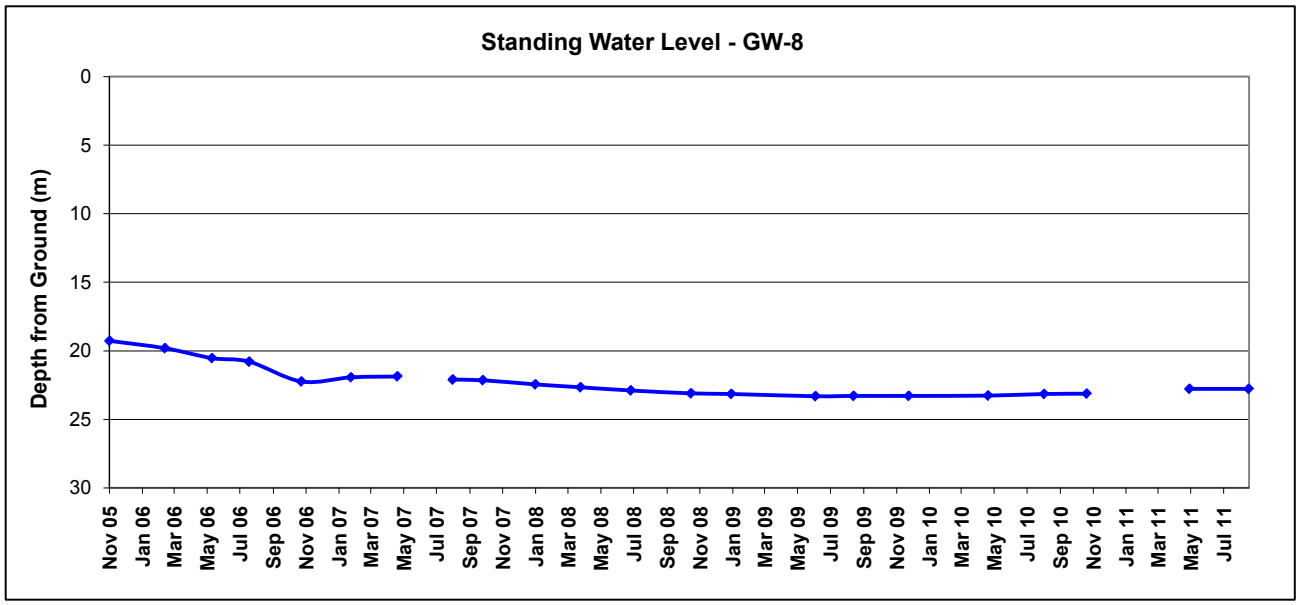
Denotes Dissolved Metals

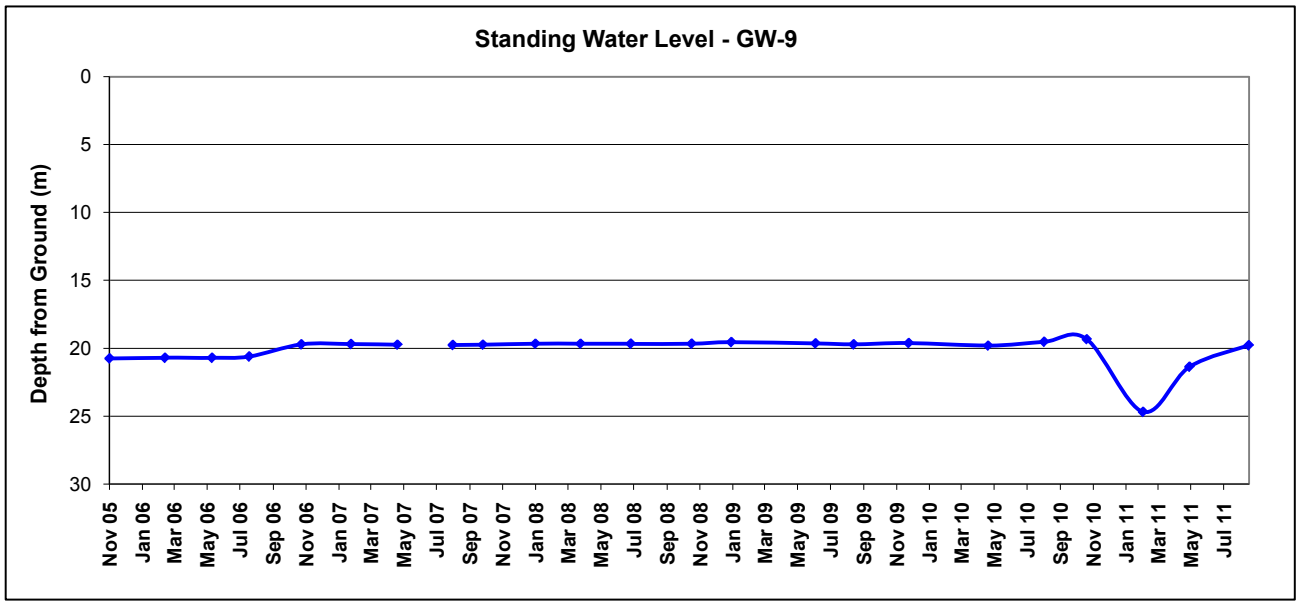

Standing Water Level - GW-2
Depth from Ground (m)
0
5
10
15
20
25
Nov 05
Jan 06
Mar 06
May 06
Jul 06
Sep 06
Nov 06
Jan 07
Mar 07
May 07
Jul 07
Sep 07
Nov 07
Jan 08
Mar 08
May 08
Jul 08
Sep 08
Nov 08
Jan 09
Mar 09
May 09
Jul 09
Sep 09
Nov 09
Jan 10
Mar 10
May 10
Jul 10
Sep 10
Nov 10
Jan 11
Mar 11
May 11
Jul 11

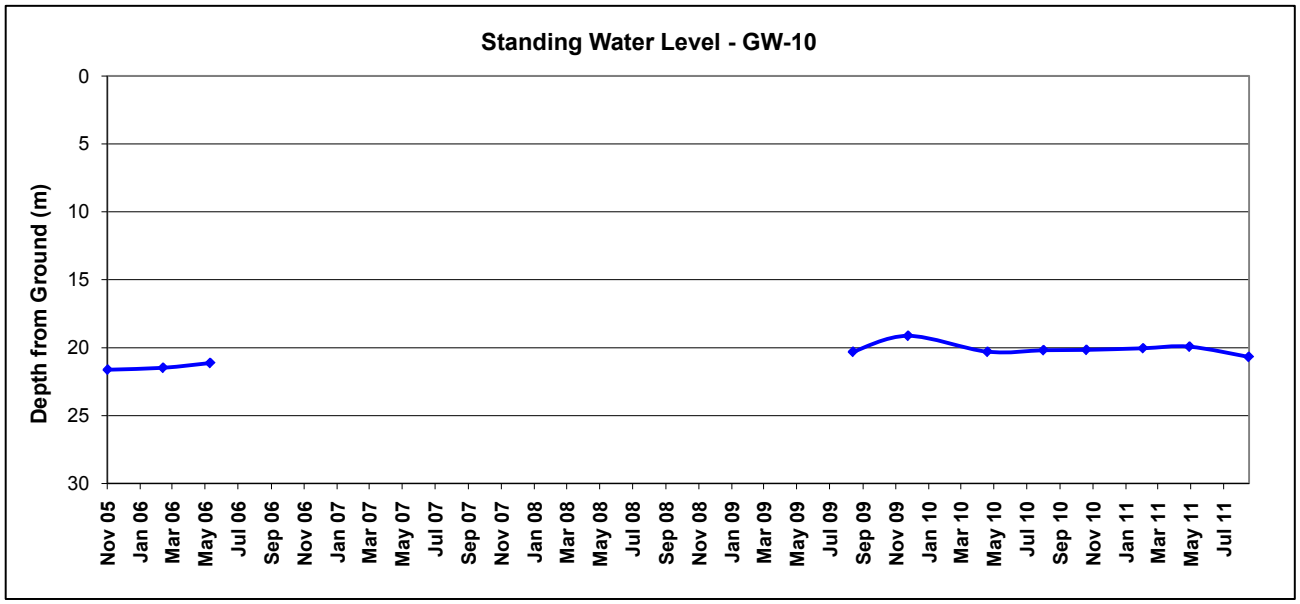

Standing Water Level - GW-4
Depth from Ground (m)
0
5
10
15
20
25
30
35
Nov 05
Jan 06
Mar 06
May 06
Jul 06
Sep 06
Nov 06
Jan 07
Mar 07
May 07
Jul 07
Sep 07
Nov 07
Jan 08
Mar 08
May 08
Jul 08
Sep 08
Nov 08
Jan 09
Mar 09
May 09
Jul 09
Sep 09
Nov 09
Jan 10
Mar 10
May 10
Jul 10
Sep 10
Nov 10
Jan 11
Mar 11
May 11
Jul 11

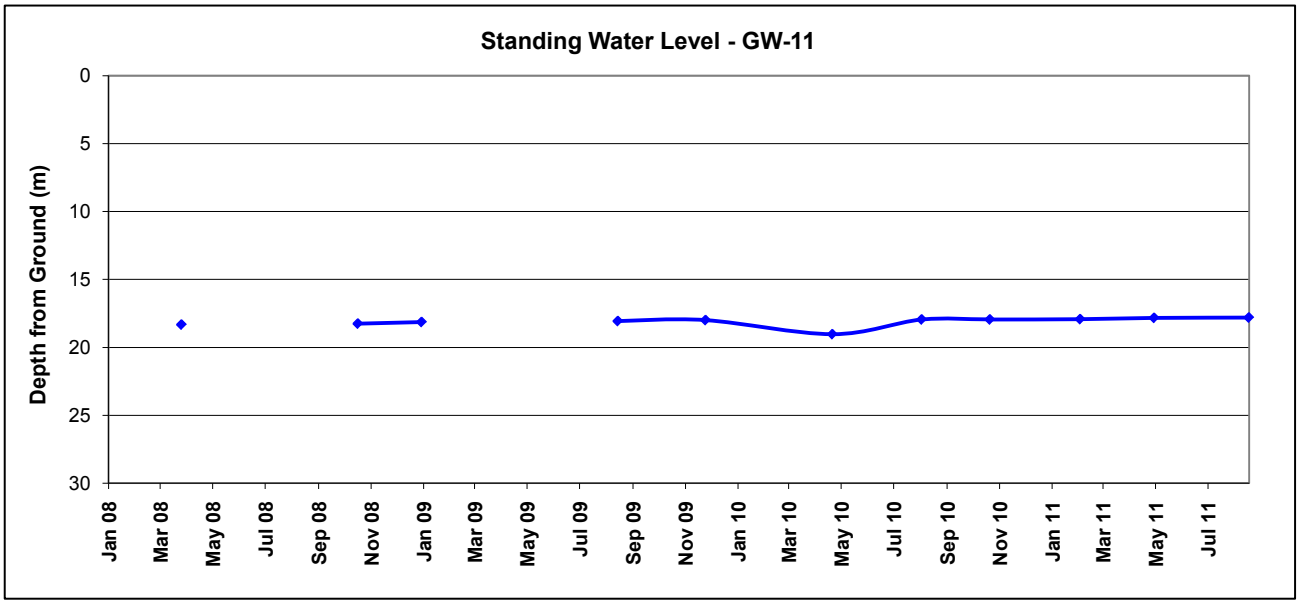

Standing Water Level - GW-5
Depth from Ground (m)
0
5
10
15
20
25
30
Nov 05
Jan 06
Mar 06
May 06
Jul 06
Sep 06
Nov 06
Jan 07
Mar 07
May 07
Jul 07
Sep 07
Nov 07
Jan 08
Mar 08
May 08
Jul 08
Sep 08
Nov 08
Jan 09
Mar 09
May 09
Jul 09
Sep 09
Nov 09
Jan 10
Mar 10
May 10
Jul 10
Sep 10
Nov 10
Jan 11
Mar 11
May 11
Jul 11

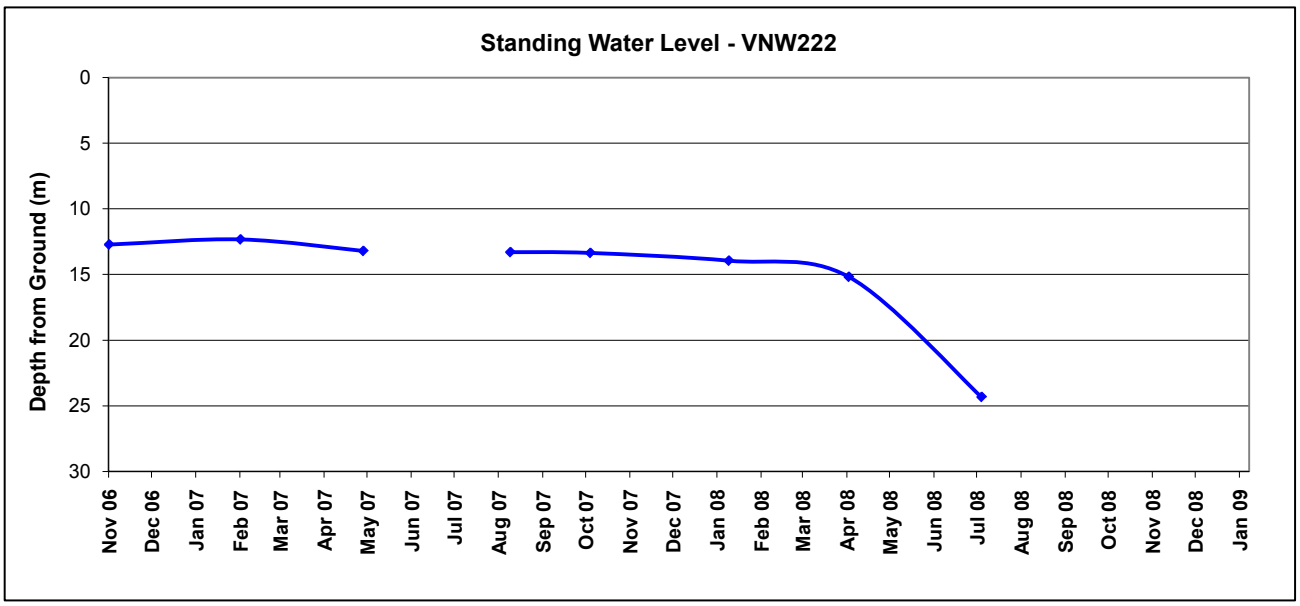

Standing Water Level - GW-7
Depth from Ground (m)
0
5
10
15
20
25
30
35
Nov 05
Jan 06
Mar 06
May 06
Jul 06
Sep 06
Nov 06
Jan 07
Mar 07
May 07
Jul 07
Sep 07
Nov 07
Jan 08
Mar 08
May 08
Jul 08
Sep 08
Nov 08
Jan 09
Mar 09
May 09
Jul 09
Sep 09
Nov 09
Jan 10
Mar 10
May 10
Jul 10
Sep 10
Nov 10
Jan 11
Mar 11
May 11
Jul 11

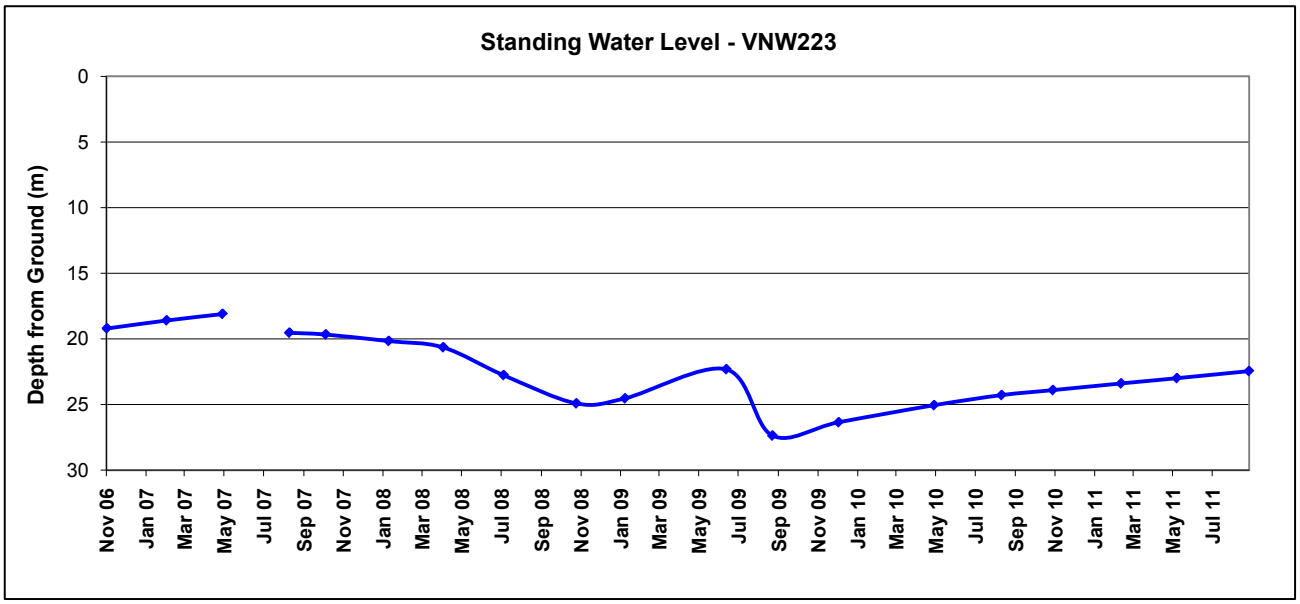

Standing Water Level - GW-8
Depth from Ground (m)
0
5
10
15
20
25
30
Nov 05
Jan 06
Mar 06
May 06
Jul 06
Sep 06
Nov 06
Jan 07
Mar 07
May 07
Jul 07
Sep 07
Nov 07
Jan 08
Mar 08
May 08
Jul 08
Sep 08
Nov 08
Jan 09
Mar 09
May 09
Jul 09
Sep 09
Nov 09
Jan 10
Mar 10
May 10
Jul 10
Sep 10
Nov 10
Jan 11
Mar 11
May 11
Jul 11


Standing Water Level - GW-9
Depth from Ground (m)
0
5
10
15
20
25
30
Nov 05
Jan 06
Mar 06
May 06
Jul 06
Sep 06
Nov 06
Jan 07
Mar 07
May 07
Jul 07
Sep 07
Nov 07
Jan 08
Mar 08
May 08
Jul 08
Sep 08
Nov 08
Jan 09
Mar 09
May 09
Jul 09
Sep 09
Nov 09
Jan 10
Mar 10
May 10
Jul 10
Sep 10
Nov 10
Jan 11
Mar 11
May 11
Jul 11


Standing Water Level - GW-10
Depth from Ground (m)
0
5
10
15
20
25
30
Nov 05
Jan 06
Mar 06
May 06
Jul 06
Sep 06
Nov 06
Jan 07
Mar 07
May 07
Jul 07
Sep 07
Nov 07
Jan 08
Mar 08
May 08
Jul 08
Sep 08
Nov 08
Jan 09
Mar 09
May 09
Jul 09
Sep 09
Nov 09
Jan 10
Mar 10
May 10
Jul 10
Sep 10
Nov 10
Jan 11
Mar 11
May 11
Jul 11


Standing Water Level - GW-11
Depth from Ground (m)
0
5
10
15
20
25
30
Jan 08
Mar 08
May 08
Jul 08
Sep 08
Nov 08
Jan 09
Mar 09
May 09
Jul 09
Sep 09
Nov 09
Jan 10
Mar 10
May 10
Jul 10
Sep 10
Nov 10
Jan 11
Mar 11
May 11
Jul 11


Standing Water Level - VNW222
Depth from Ground (m)
0
5
10
15
20
25
30
Nov 06
Dec 06
Jan 07
Feb 07
Mar 07
Apr 07
May 07
Jun 07
Jul 07
Aug 07
Sep 07
Oct 07
Nov 07
Dec 07
Jan 08
Feb 08
Mar 08
Apr 08
May 08
Jun 08
Jul 08
Aug 08
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09


Standing Water Level - VNW223
Depth from Ground (m)
0
5
10
15
20
25
30
Nov 06
Jan 07
Mar 07
May 07
Jul 07
Sep 07
Nov 07
Jan 08
Mar 08
May 08
Jul 08
Sep 08
Nov 08
Jan 09
Mar 09
May 09
Jul 09
Sep 09
Nov 09
Jan 10
Mar 10
May 10
Jul 10
Sep 10
Nov 10
Jan 11
Mar 11
May 11
Jul 11