Minutes of Rocglen Coal Mine
Community Consultative Committee – Meeting #14

Meeting Held: Wednesday 15th February 2012

Venue: The meeting held at Rocglen Coal Mine Training Room

Commencement Time: 3:00pm

1. Present and Apologies

Present:
Mr John Sturgess (Chairman)
Mr Tony Heinrich (Project Manager)
Mr Danny Young (Environmental Manager – Whitehaven)
Mr Warren Nicholls (Community Rep)
Mrs Jill Johnson (Environmental Officer – Whitehaven)
Mrs Pam Burns (Community Rep)
Mr Tim Muldoon (Community Liaison Officer - Whitehaven)

Apologies: Clr Colleen Fuller (Gunnedah Shire Rep)

2. Previous Minutes

Minutes for the 10 August 2011 meeting accepted as a true record on the motion of Pam Burns and Warren Nicholls.

Minutes for the 7 December 2011 meeting accepted as a true record on the motion of Warren Nicholls and Pam Burns.

3. Business Arising from Previous Minutes

3.1. Danny Young advised that the approval to the Rocglen extension application had been received from the Department of Planning and Infrastructure in September 2011. The EPBC approval for threatened species of Commonwealth significance has also been granted as well as the Mining Purpose Lease. Works associated with the new approvals include extension of the northern waste emplacement and construction of additional water management features. All water management measures in the northern area of the lease were finalised this week.

3.2. Danny Young advised that a further meeting had been held in January with the “Roseglass” landholders in relation to boundary fencing between “Roseglass” and Whitehaven’s “Yarrari” property.

Whitehaven is currently considering options with the view of carrying out further discussions with the landholders in the coming weeks.

The Biodiversity Offset area should be registered shortly. An agreement is expected to be received from the Department in the next couple of weeks which will require sign-off from Whitehaven. Once finalised, the agreement enforces management actions which include fencing.

3.3. Jill Johnson advised Warren Nicholls in December 2012 of the return to a normal standing water level (SWL) in a bore on his "Brolga" property. The previous reading had shown a drop of 2m in the bore which has a consistently stable SWL but with a return to historic levels in the most recent monitoring it is assumed that the previous reading was a transcription error and not the actual SWL.

4. Mine Progress Report

Tony Heinrich advised that over the past 3 months approximately 2.015 million BCM of overburden was moved and 326,000 tonnes of coal was mined.

Rehabilitation has continued on the western side of the mine which included contour banks and topsoiling. Work in this area is currently on hold because the ground is too wet. Gypsum application and seeding to cover crop is expected to occur in the next four weeks with the plan to undertake a winter planting of tubestock.

5. Review of Environmental Performance

Danny Young presented the environmental monitoring results which are attached in the environmental monitoring report, and include all complaints lodged over the reporting period.

6. General Business

6.1. Tim Muldoon provided a brief update to the Committee on the proposed Whitehaven/Aston amalgamation. The amalgamation has not been finalised as both companies are still going through the due diligence process. It is expected that more information will be available in April.

6.2. Warren Nicholls asked about the mine life. Danny and Tony said at the current production rate it will be 2020 or 2021. Tony said if the

production rate is increased to the approved maximum there will be about 7 years of mining remaining.

Warren noted that when the mine was originally proposed it was geared to a 7 year mine life and his submission that included his concerns was based on this mine life. He said that the recent extension approval was a fundamental change to the mine and that the community wasn't able to have any input into the decision.

Danny said that the extension required a whole new Environmental Assessment (EA), which is the same process required when the mine first started. The Environmental Assessment was put on public exhibition which allowed members of the community to provide submissions to the Department. Jill also said that Warren would have received notification of the EA being on public exhibition via a newsletter issued to surrounding landholders.

Warren referred to the Vickery newsletter that he had recently received and questioned whether the proposed 30 year mine life would be extended. Tony and Danny said they are unable to predict what will happen in the future. Danny explained that due to a change in planning laws the Vickery Project will be assessed under Part 4 of the Environment Planning and Assessment Act as opposed to Part 3A that the Rocglen Project was assessed under. This means that determination on the Vickery Project will be made by the Planning Assessment Commission rather than the Department.

6.3. Warren noted the recent wet weather and flooding and that he had seen a couple of Toll prime movers and the front trailers of B-doubles travelling on Wean Road. Tony Heinrich concurred with Warren's observations but assured the Committee that the trucks were not carting coal along Wean Road. The trucks travelled along Wean Road as Blue Vale Road was closed and they were required in town for other reasons. No coal was being transported from site during the floods.

Warren asked whether coal will ever be carted down Wean Road and Tony said that it wouldn't.

6.4. Warren asked whether there would be any variation to hours of work due to the wet weather. Tony said that the rosters have remained the same. It is difficult to change rosters for various reasons including requiring additional employees. Tony also said that Rocglen is restricted to mining 1.5Mtpa and that the site is restricted by how much they can transport to the CHPP.

6.5. Warren referred to the map on the Vickery newsletter that shows a lease over the Vickery State Forest and asked if the forest will be mined. He said that mines are able to clear vegetation so long as they offset it somewhere else and referred to the Boggabri Coal Mine in

the Leard State Forest. Tony said that mine was approved in the 1970's and that environmental laws had changed since then.

6.6. Warren referred to the Rocglen newsletter that had recently been issued to CCC members and surrounding landholders and requested that plans be larger so the writing is more easy to see.

7. Next Meeting

The next meeting of the Rocglen CCC is scheduled for Wednesday 9th May 2012 at 3pm.

Meeting closed 3:35pm

J Sturgess
Chairman

Rocglen Coal Mine
Community Consultative Committee
Meeting #14

Environmental Monitoring Report
October – December 2011

Noise Monitoring

Attended Noise Monitoring

Attended noise monitoring was undertaken on the 13th December 2011, in accordance with the Rocglen Noise Monitoring Program, with results outlined below:

RCM Noise Monitoring Results – 13 December 2011 (Day)				
Location	**Time**	**dB(A),Leq**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	3:15pm	46	1.5m/s, SW	Birds & insects (46), cattle (36), farm noise (35), **RCM inaudible**
Costa Vale	3:48pm	42	1.5m/s, SW	Birds (42), **RCM (28)**

RCM Noise Monitoring Results – 13 December 2011 (Evening)				
Location	**Time**	**dB(A),Leq**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	6:37pm	42	2.0 m/s, S	Birds (40), rooster (38), **RCM inaudible**
Costa Vale	6:05pm	49	2.0 m/s, S	Birds (49), **RCM (27)**

RCM Noise Monitoring Results – 13 December 2011 (Night)				
Location	**Time**	**dB(A),Leq**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	11:00pm	34	0.5 m/s S	Insects & frogs (34), **RCM inaudible**
Costa Vale	10:22pm	38	0.5 m/s S	**RCM (36)**, insects & frogs (34)

The results indicate that, under the operational and atmospheric conditions at the time, noise emissions from the mine was in excess the criterion of 35 dB(A) at the Costa Vale monitoring location at night. Costa Vale is now a mine owned residence.

In addition to the operational noise, noise from the mine must not exceed 45 dB(A) L1 (1 min) between the hours of 10 pm and 7 am. This is to minimise the potential for sleep disturbance as a result of individual loud noises from the mine. During the night time measurement circuit the L1 (1 min) noise from the mine did not exceed 45 dB(A) at any monitoring location.

Unattended Noise Monitoring

Unattended noise monitoring was carried out in December 2011 at both the "Costa Vale" and "Surrey" properties with results provided in the following tables. Unattended monitoring provides noise levels from all sources and does not distinguish mine related noise from other noise sources.

Costa Vale

Date	Leq(day)	Leq(eve)	Leq(night)	L90(day)	L90(eve)	L90(night)
13-Dec-11	42.9	39.7	37.2	30.0	28.0	25.1
14-Dec-11	43.5	40.1	38.6	28.5	27.4	22.3
15-Dec-11	51.3	42.1	42.7	31.3	27.3	20.1
LAeq	**48**	**41**	**40**			
L90				**30**	**27**	**24**

Surrey

Date	Leq(day)	Leq(eve)	Leq(night)	L90(day)	L90(eve)	L90(night)
13-Dec-11	57.3	49.8	52.9	35.2	27.9	24.2
14-Dec-11	52.6	39.8	46.2	27.5	26.9	32.5
15-Dec-11	48.3	51.9	39.5	27.7	25.2	23.1
LAeq	**54**	**49**	**49**			
L90				**28**	**27**	**25**

Blast Monitoring

Blasting Results

Since the first shot there have been 90 blasts (until the end of January). All blasts during the monitoring period were compliant within the limits of 115dBL and 5mm/s.

To date, the highest overpressure recorded is 119.9 dBL recorded at "Costa Vale" on the 24th August 2009. The highest ground vibration recorded is 1.50 mm/s recorded at "Roseberry" on the 12th December 2008.

Air Quality

Deposited Dust Results

The deposited dust results (g/m^2/month) obtained for the site over the last 12 months are as follows:

Air Quality (Dust Deposition) Results

Month	BD2 - Glenroc	BD3 - Belah	BD4 – Surrey	BD5 - Stratford	BD6 - Roseberry	BD7 - Roseglass	BD8 - Yarrawonga
February 2011	1.2	1.6	2.6	0.8	0.7	0.6	0.8
March 2011	2.0	5.3	1.2	0.6	1.5	0.8	1.1
April 2011	2.5	0.4	0.4	0.3	0.6	0.7	0.9
May 2011	0.7	2.2	0.3	0.3	0.4	0.6	0.7
June 2011	0.4	0.5		0.5	1.5	0.8	0.6
July 2011	1.0	0.4	0.5	0.2	1.3	0.5	3.4
August 2011	0.8	0.8	0.4	0.5	0.4	0.4	0.4
September 2011	1.9	1.8	0.6	0.7	0.6	0.5	0.6
October 2011	1.3	0.7	0.4	1.0	0.4	0.9	0.4
November 2011	1.6	1.1	0.5	0.9	8.0	1.1	1.3
December 2011	1.1	0.7	0.7	1.2	2.0	1.2	1.0
January 2012	2.0	0.6	0.8	0.9	0.8	0.4	0.6
Annual Average	**1.38**	**1.25**	**0.76**	**0.59**	**1.73**	**0.71**	**1.07**

Deposited dust levels have continued to remain at low levels since the last CCC meeting and have been relatively consistent over the last 12 months. A result of 8.0g/m^2/month at BD6 – Roseberry in November 2011 is anomalous with other results during that month as well as results at Roseberry during other months. The sample had a large proportion of combustible matter indicating contamination from other non-dust sources.

The annual average at all sites remains well below the concentration threshold of 4g/m^2/month.

PM_{10} Results

The annual averages for PM_{10} levels up until the end of January 2012 remain below the annual average limit of 30µg/m^3, as follows:

Glenroc: 13.32µg/m^3
Roseberry: 10.50µg/m^3

The 24hr criterion of 50µg/m^3 was not breached at either Glenroc or Roseberry during the period.

The highest PM_{10} readings at each site are as follows:

Glenroc: 113 µg/m^3 (14th December 2009)
Roseberry: 101 µg/m^3 (8th December 2009)

Water Monitoring

Ground Water

Groundwater monitoring data obtained to date is presented in the following table. Standing Water Level (SWL) graphs are also provided.

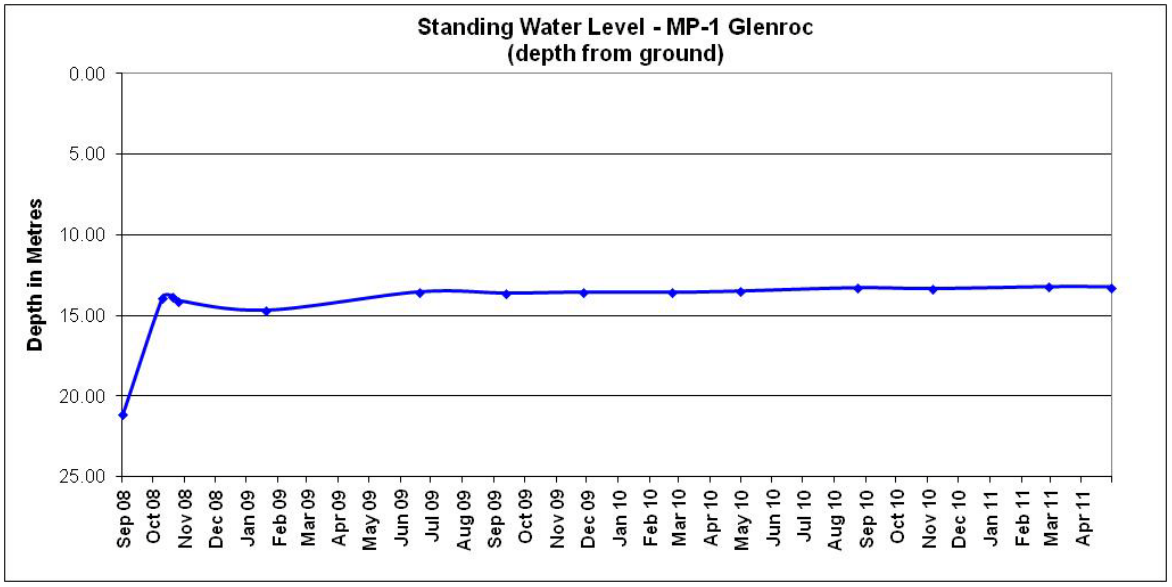
Site	Date	SWL (m)	pH	Elect. Conduct µs/cm
MP1	September 08	21.14		
	13 October 08	13.87		
	23 October 08	13.83		
	29 October 08	14.10	7.6	2360
	23 January 09	14.69		
	22 June 09	13.55	7.8	2250
	15 September 09	13.63		
	30 November 09	13.57	7.85	2250
	25 February 10	13.58		
	3 May 10	13.5	8.06	2100
	26 Aug 10	13.42	8	1650
	8 November 10	13.35	7.36	2080
	2 March 11	13.23	7.24	1942
	3 May 11	13.24	7.45	1872
	Bore covered by production area			
MP2	September 08	13.53		
	13 October 08	12.98		
	23 October 08	13.56		
	29 October 08	13.20	7.3	4180
	23 January 09	14.60		
	22 June 09	13.70	7	5210
	15 September 09	13.88		
	30 November 09	13.90	6.99	4560
	25 February 10	14.14		
	3 May 10	14	7.37	4760
	26 August 10	13.48	7.07	5060
	8 November 10	12.04	6.72	3720
	7 March 11	10.49	6.98	4060
	3 May 11	11.1	6.95	4110
	30 August 11	11.54	7.27	5320
	4 November 11	11.78	6.8	3820
MP3	September 08	11.81		
	13 October 08	9.06		
	23 October 08	17.36		
	29 October 08	N/S Bore Dry		
	23 January 09	18.3 (mud)		
	22 June 09	N/S Bore Dry		
	15 September 09	Dry		
	30 November 09	Dry		
	25 February 10	Dry		
	3 May 10	Dry		
	26 August 10	Dry		
	8 November 10	Dry		
	7 March 11	Dry		
	3 May 11	Dry		
	30 August 11	Dry		
	4 November 11	Dry		

MP4	September 08	22.62		
	13 October 08	23.02		
	22 October 08	23.17		
	29 October 08	N/S Bore Dry		
	23 January 09	24.16 (mud)		
	22 June 09	N/S Bore Dry		
	15 September 09	Dry		
	30 November 09	Dry		
	25 February 10	Dry		
	3 May 10	Dry		
	26 August 10	Dry		
	8 November 10	Dry		
	7 March 11	Dry		
	3 May 11	Dry		
	30 August 10	Dry		
	4 November 11	Dry		
MP5	September 08	53.13		
	13 October 08	52.9		
	23 October 08	52.96		
	29 October 08	N/S Bore Dry		
	23 January 09	54.44 (mud)		
	22 June 09	N/S Bore Dry		
	15 September 09	Dry		
	30 November 09	54.4	Insufficient water to sample	
	25 February 10	54.48		
	3 May 10	54.6		
	26 August 10	54.69		
	8 November 10	54.88	Insufficient water to sample	
	2 March 11	54.85	Insufficient water to sample	
	3 May 11	54.8	Insufficient water to sample	
	30 August 11	54.89	Insufficient water to sample	
	4 November 11	54.78	Insufficient water to sample	
WB1	13 October 08	8.95		
	28 October 08	8.85	7.9	1996
	NO ACCESS			
WB2	September 08	16.87		
	13 October 08	16.49		
	28 October 08	16.60	7.7	3430
	23 January 09	17.00		
	22 June 09	16.65	7.2	3160
	15 September 09	16.45		
	6 January 09	16.45	7.51	2010
	25 February 10	16.48		
	3 May 10	16.56	7.84	2190
	26 August 10	19.54	7.4	3000
	8 November 10	17.00	7.3	2410
	2 March 11	16.96	7.31	2450
	3 May 11	16.53	7.55	2360
	30 August 11	16.36	7.87	2880
	4 November 11	16.44	8.4	2110
WB3	September 08	8.82		
	13 October 08	8.87		
	29 October 08	8.95	7.2	4480
	23 January 09	23.72		
	10 February 09	9.0		
	22 June 09	8.99	7.5	4380

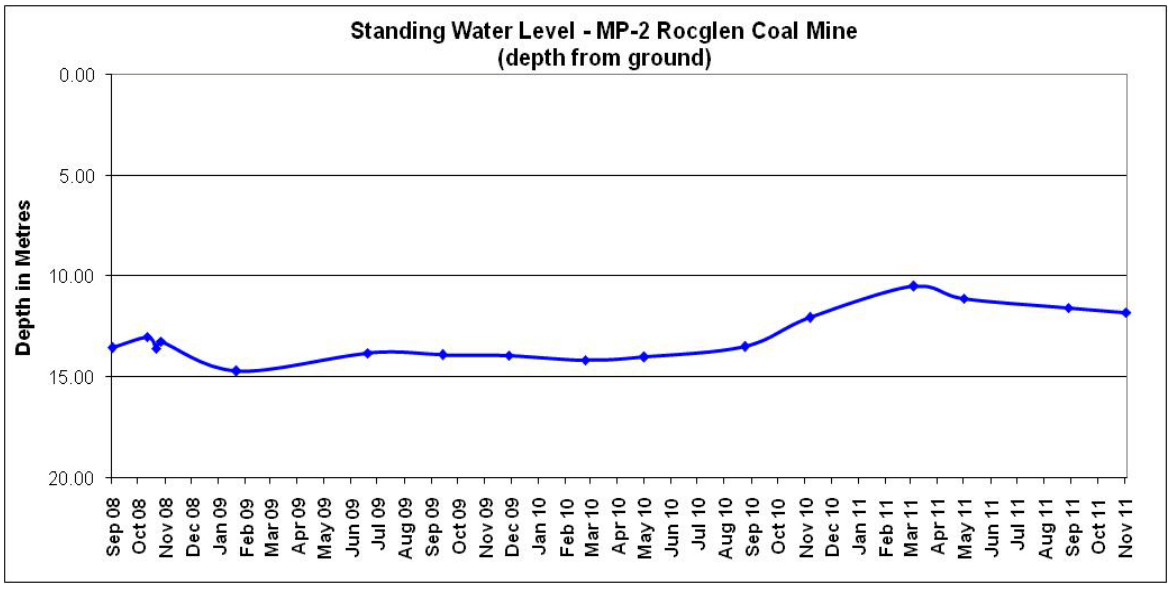
	15 September 09	8.76		
	30 November 09	8.8	7.74	3890
	25 February 10	8.69		
	3 May 10	18.53	7.88	4000
	26 August 10	8.94	8.28	3260
	8 November 10	8.98	8.02	2360
	2 March 11	17.63	7.44	3770
	3 May 11	9.07	7.7	3790
	1 September 11	9.14	8.32	4860
	6 December 11	9.07	7.05	3650
WB4	Casing Sealed	No Access		
	26 August 10	Unable to dip	7.83	3650
	2 March 11	Unable to dip	7.03	3320
	3 May 11	Unable to dip	7.1	3160
	1 September 11	Unable to dip	7.15	3650
	6 December 11	Unable to dip	7.36	3590
WB5	September 08	4.23		
	13 October 08	12.92		
	28 October 08	12.85	7.2	8400
	23 January 09	13.1		
	22 June 09	No Access	6.6	7930
	15 September 09	No Access		
	30 November 09	22.93	7.06	4880
	25 February 10	13.14		
	3 May 10	12.97	7.43	6720
	26 August 10	13.01	7.47	7480
	8 November 10	14.06	7.86	5810
	2 March 11	20.99	6.45	5590
	3 May 11	12.7	6.8	5760
	30 August 11	12.7	7.85	7780
	4 November 11	12.79	7.9	5550
WB6	September 08	23.18		
	13 October 08	23.05		
	29 October 08	No Access		
	23 January 09	23.81		
	22 June 09	23.74	Unable to sample	
	15 September 09	23.83		
	30 November 09	24.02	No sample – bore equipped	
	25 February 10	25.05		
	3 May 10	23.71		
	26 August 10	23.47	Bore equipped	
	8 November 10	23.31	Bore equipped	
	7 March 11	22.74	Bore equipped	
	3 May 11	22.02	Bore equipped	
	30 August 11	22.55	Bore equipped	
	4 November 11	22.67	Bore equipped	
WB7	September 08	41.75		
	13 October 08	19.11		
	28 October 08	18.90	7.2	2730
	23 January 09	21.35		
	22 June 09		7.4	2690
	15 September 09	Bore equipped		
	30 November 09	Unable to dip	7.3	2260
	25 February 10	Unable to dip		
	3 May 10	15	7.45	2470
	26 August 10	25.91	Unable to sample – bore equipped	

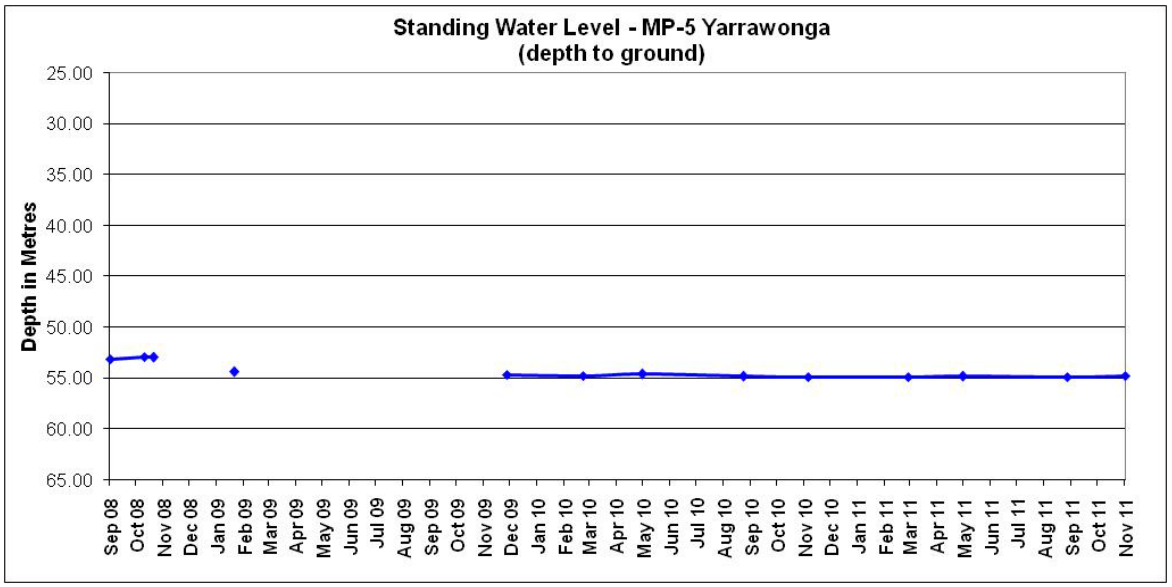
	8 November 10	31.53	7.24	2240
	7 March 11	25.13	7.24	2230
	3 May 11	14.78	7.45	2130
	30 August 11	17.66	7.91	2750
	4 November 11	29.41	7.7	2080
WB8	September 08	No Access		
	13 October 08	No Access		
	29 October 08	No Access		
	23 January 09	46.4		
	22 June 09	32.75	8.2	2240
	15 September 09	43.38		
	30 November 09	Dry		
	25 February 10	49.32		
	3 May 10	32.59	Unable to Sample – pump over bore	
	26 August 10	32.23	Unable to Sample – pump over bore	
	9 November 10	32.14	Unable to Sample – pump over bore	
	7 March 11		Unable to Sample – gate locked	
	3 May 11		Unable to Sample – gate locked	
	1 September 11	31.77	Unable to Sample – pump over bore	
	6 December 11	31.58	Unable to Sample – pump over bore	
WB9	September 08	23.88		
	13 October 08	24.09		
	28 October 08	24.50	7.5	931
	23 January 09	24.27		
	22 June 09	23.99	7.9	1080
	15 September 09	23.94		
	30 November 09	24.05	7.14	1020
	25 February 10	25.58		
	3 May 10	24.26	Unable to Sample	
	26 August 10	24.59	7.72	1057
	9 November 10	24.34	Windmill over bore	
	7 March 11	26.7	7.44	1143
	3 May 11	25.26	7.6	1014
	30 August 11	24.36	7.92	1260
	4 November 11	24.58	7.7	937
WB10	July 08	13.75		
	September 08	13.80		
	13 October 08	13.77		
	28 October 08	13.9	7.4	2235
	27 January 09	14.23		
	22 June 09	14.01	7	2220
	11 September 09	14.65		
	30 November 09	14.62	6.89	1690
	25 February 10	14.23		
	3 May 10	14.47	7.93	2010
	24 September 10	14.05	6.7	1833
	10 November 10	14.1	6.72	1905
	7 March 11	14.34	6.75	1910
	3 May 11	14.07	6.8	1685
	1 September 11	16.47	6.95	1745
	6 December 11	14.12	6.92	1780
WB11	July 08	18.11		
	September 08	18.61		
	13 October 08	18.13		
	28 October 08	18.4	7.5	1086
	27 January 09	18.73		

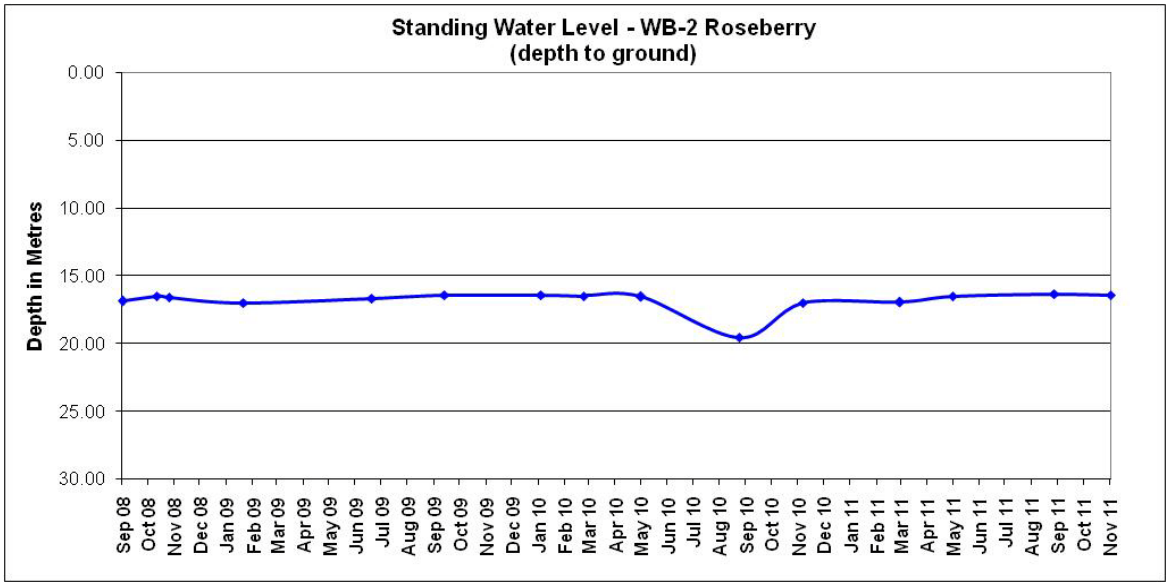
	22 June 09	18.1	8	880
	11 September 09	18.63		
	30 November 09	18.6	6.65	929
	25 February 10	18.47		
	3 May 10	18.24	8.37	921
	24 September 10	17.65	7.59	865
	10 November 10	17.49	7.49	867
	7 March 11	18.57	7.05	944
	3 May 11	17.34	7.25	867
	1 September 11	17.57	8.13	1200
	6 December 11	16.93	7.50	905
WB12	July 08	12.73		
	September 08	12.80		
	13 October 08	12.83		
	28 October 08	12.95	8.1	2152
	27 January 09	13.16		
	22 June 09	12.99	8	2070
	11 September 09	13.05		
	30 November 09	12.99	8.34	1640
	25 February 10	13.19		
	3 May 10	13.15	8.27	1390
	24 September 10	13.22	8.71	873
	10 November 10	13.13	7.07	891
	7 March 11	13.18	7.37	1867
	3 May 11	13.15	7.45	1657
	1 September 11	13.23	8.57	2130
	6 December 11	13.13	7.66	1390
Production Bore	September 08	55.24		
	13 October 08	50.18		
	28 October 08	49.90	7.3	4030
	27 January 09	49.90		
	22 June 09	>50	7.1	3580
	27 August 09		7.3	3330
	30 November 09		7.2	3160
	25 February 10		Bore equipped	
	3 May 10		7.52	3310
	26 August 10	Bore Equipped	7.42	3340
	8 November 10	Bore Equipped	Pump not working	
	7 March 11	Bore Equipped	6.97	2880
	3 May 11	Bore Equipped	7	2930
	30 August 11	Bore Equipped	7.25	3800
	4 November 11	Bore Equipped	7.1	2790



*Bore covered by production area






Standing Water Level - WB-2 Roseberry
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
30.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
Oct 09
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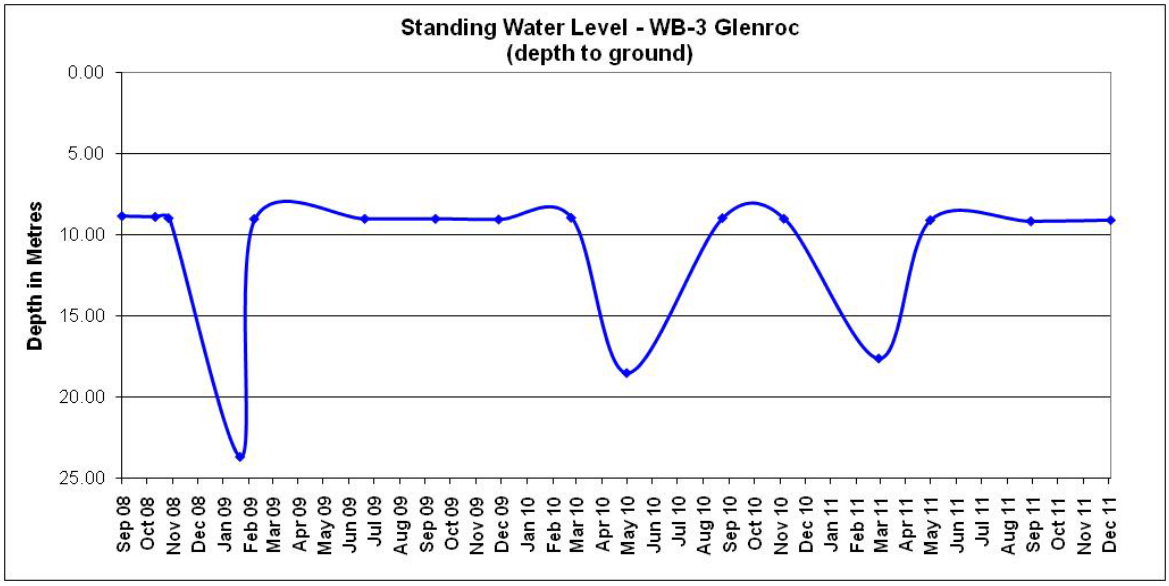
Standing Water Level - WB-3 Glenroc
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
Oct 09
Nov 09
Dec 09
Jan 10
Feb 10
Mar 10
Apr 10
May 10
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Jul 10
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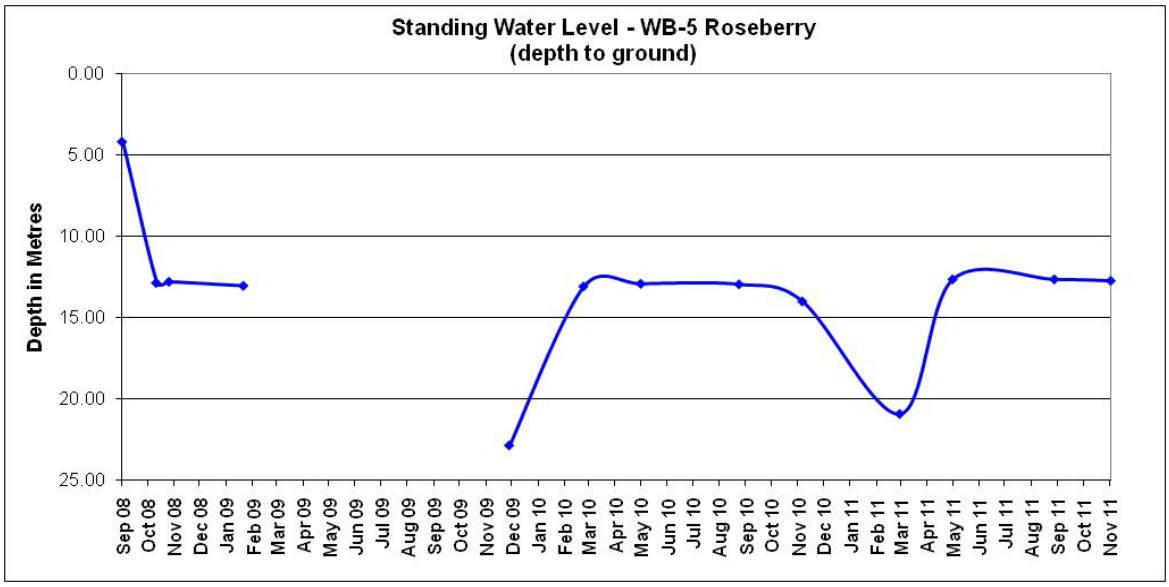
Nov 11
Dec 11


Standing Water Level - WB-5 Roseberry
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
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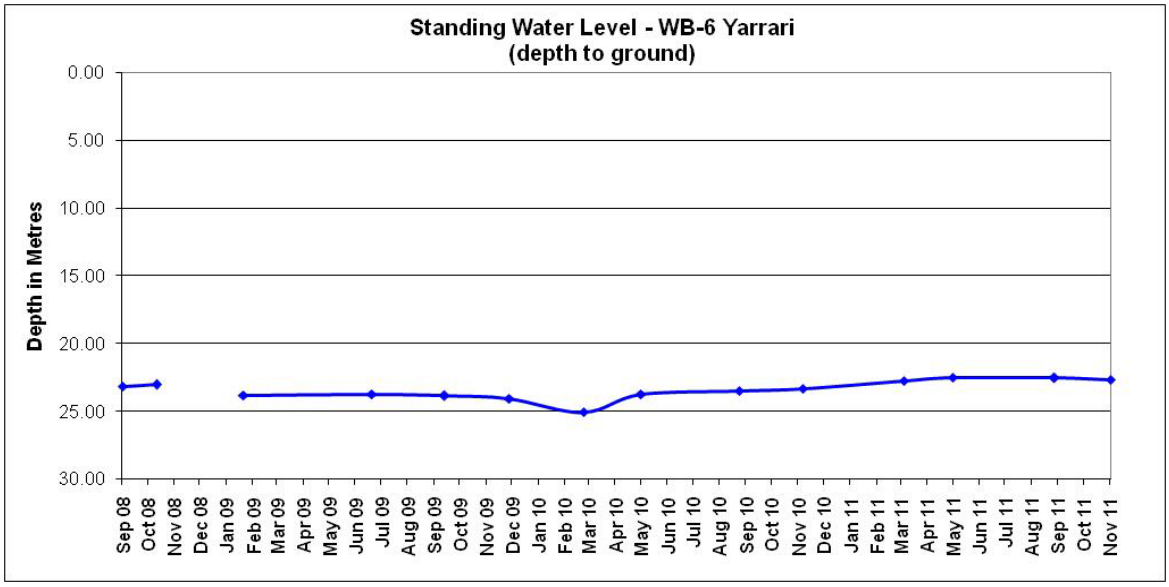
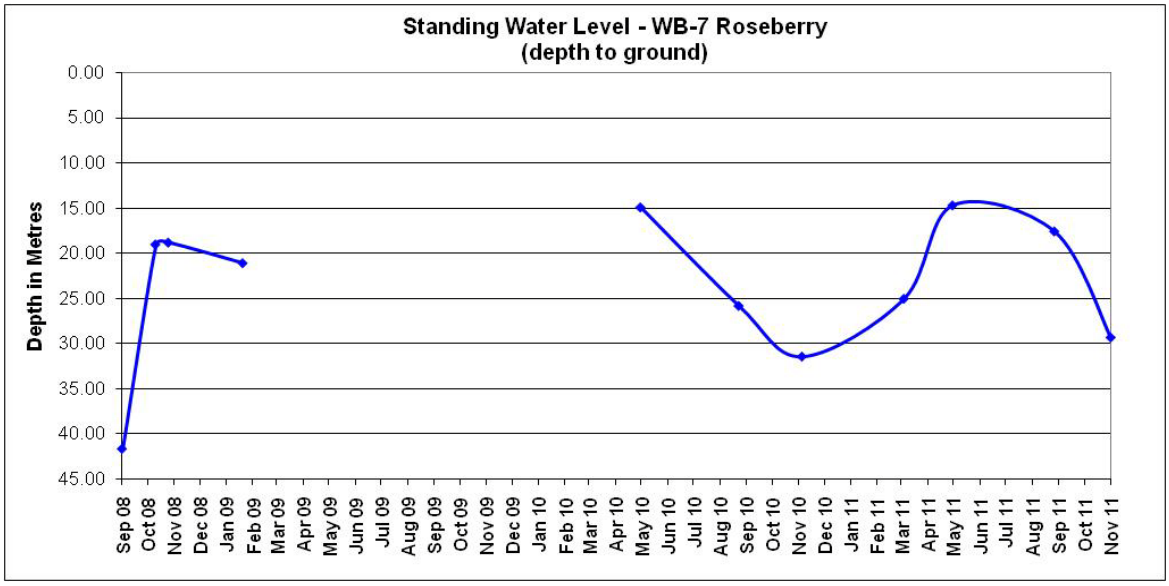
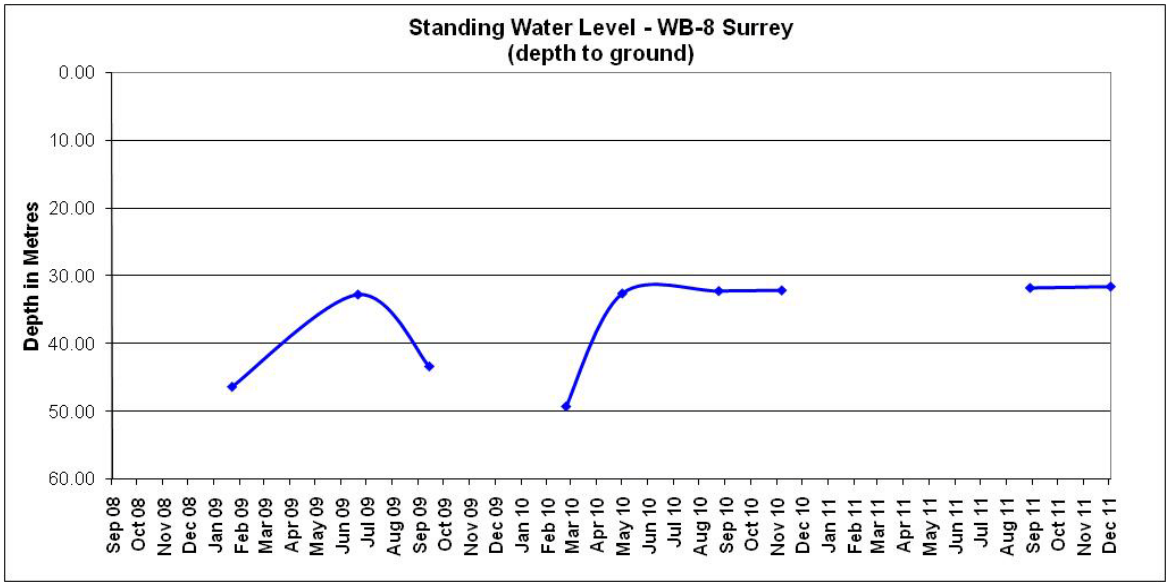
Sep 11
Oct 11
Nov 11


Standing Water Level - WB-6 Yarrari
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
30.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
Oct 09
Nov 09
Dec 09
Jan 10
Feb 10
Mar 10
Apr 10
May 10
Jun 10
Jul 10
Aug 10
Sep 10
Oct 10
Nov 10
Dec 10
Jan 11
Feb 11
Mar 11
Apr 11
May 11
Jun 11
Jul 11
Aug 11
Sep 11
Oct 11
Nov 11


Standing Water Level - WB-7 Roseberry
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
30.00
35.00
40.00
45.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
Oct 09
Nov 09
Dec 09
Jan 10
Feb 10
Mar 10
Apr 10
May 10
Jun 10
Jul 10
Aug 10
Sep 10
Oct 10
Nov 10
Dec 10
Jan 11
Feb 11
Mar 11
Apr 11
May 11
Jun 11
Jul 11
Aug 11
Sep 11
Oct 11
Nov 11


Standing Water Level - WB-8 Surrey
(depth to ground)
Depth in Metres
0.00
10.00
20.00
30.00
40.00
50.00
60.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
Oct 09
Nov 09
Dec 09
Jan 10
Feb 10
Mar 10
Apr 10
May 10
Jun 10
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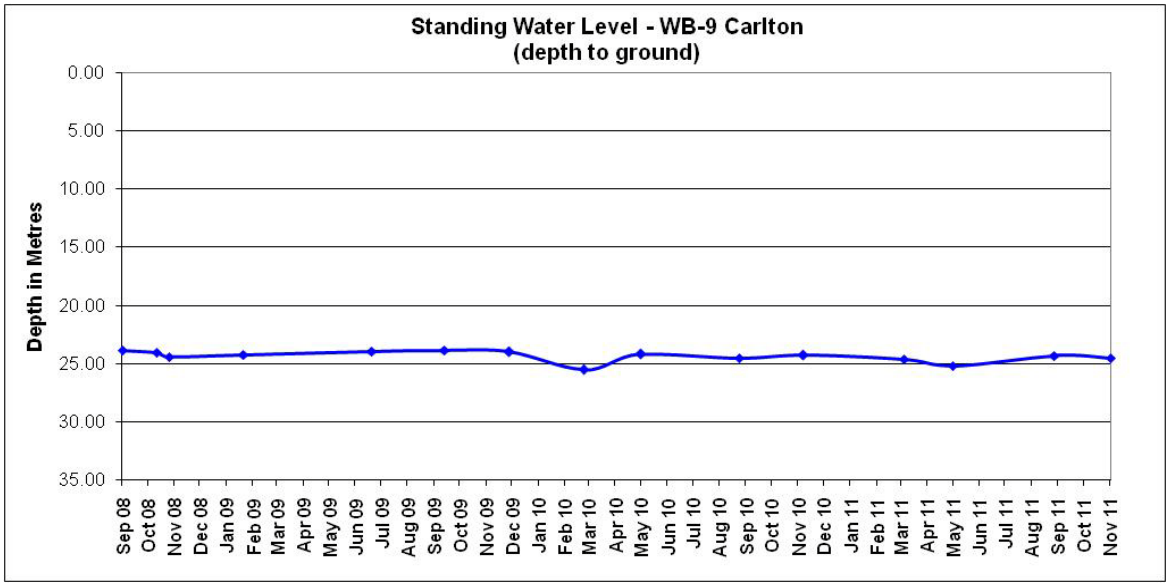
Sep 11
Oct 11
Nov 11
Dec 11


Standing Water Level - WB-9 Carlton
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
30.00
35.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
Oct 09
Nov 09
Dec 09
Jan 10
Feb 10
Mar 10
Apr 10
May 10
Jun 10
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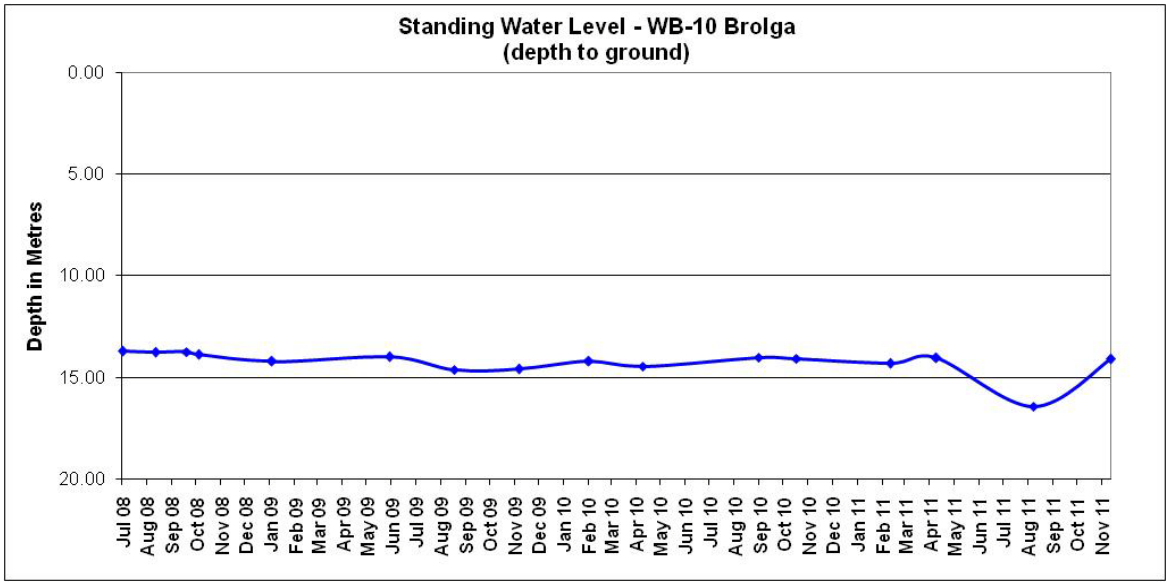
May 11
Jun 11
Jul 11
Aug 11
Sep 11
Oct 11
Nov 11


Standing Water Level - WB-10 Brolga
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
Jul 08
Aug 08
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
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Nov 09
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Jan 10
Feb 10
Mar 10
Apr 10
May 10
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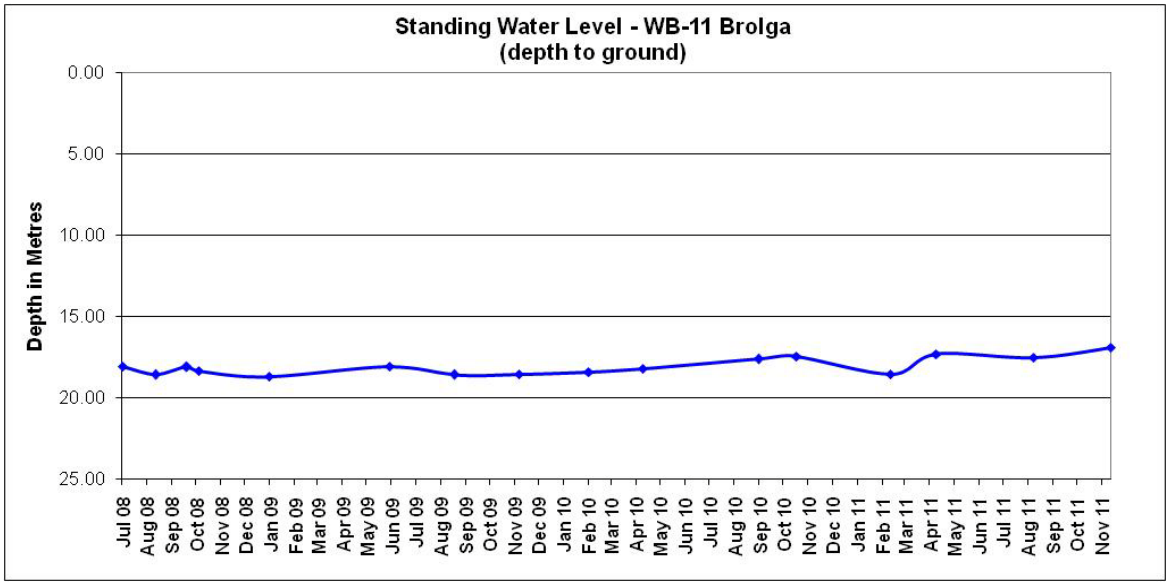
Sep 11
Oct 11
Nov 11


Standing Water Level - WB-11 Brolga
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
Jul 08
Aug 08
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
Oct 09
Nov 09
Dec 09
Jan 10
Feb 10
Mar 10
Apr 10
May 10
Jun 10
Jul 10
Aug 10
Sep 10
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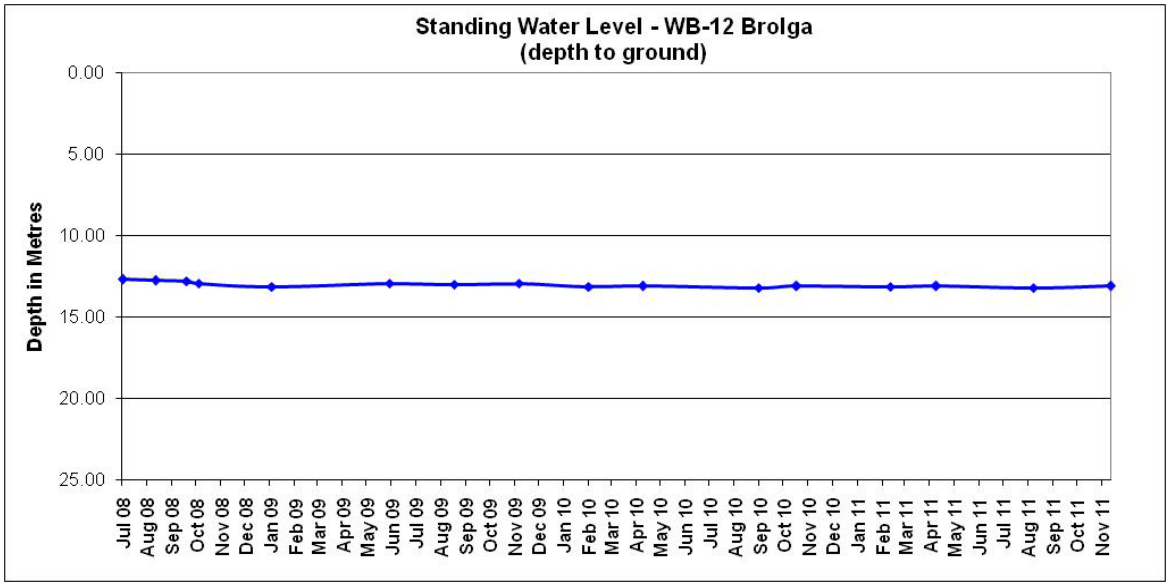
Jun 11
Jul 11
Aug 11
Sep 11
Oct 11
Nov 11



Standing water levels have remained relatively consistent since the last CCC. WB10, which is located on the property "Brolga" around 5km south of the mine, showed a drop in SWL of 2.4m during the last round of monitoring. Monitoring in December 2011 showed a return to historic levels which have been very consistent over the last three years. It is believed that the previous reading could have been a field error and not an accurate recording of the SWL that was present.

WB7, which is equipped, continues to show variable SWLs which is not believed to be associated with mining operations.

Surface Water

Discharges occurred on the 24th (SD3) and 28th November 2011 (Northern Discharge Point). At the time, the Rocglen weather station malfunctioned and site data was not available. Records from Whitehaven's Tarrawonga site show 41.4mm of rain fell in the 48 hours prior to the discharge event on the 24th November whilst approximately 100mm of rainfall was received in the four days prior to the 28th November discharge.

Samples were also collected from offsite flows during wet weather on the 29th September and 14th November 2011. The site did not discharge on either of these occasions.

Discharges occurred on the 31st January and 1st February 2012. The discharge water was sampled but results are not available yet. Discussion on these discharges will be provided at the next CCC meeting.

Complaints

No complaints have been received since the last CCC meeting.

Rehabilitation

Rehabilitation works have continued on the western batter of the southern emplacement, with the majority of the contour bank establishment now complete. Installation of a drainage blanket at the northern end will be undertaken during February, as will mounding and seeding of the entire western batter.

In addition to the rehabilitation work, G & B Ward Earthmoving have been establishing new clean and dirty water diversion drains and sediment basins at the northern perimeter of the mine lease. These works are in accordance with site water management activities prescribed in the Environmental Assessment for the Rocglen Extension and are expected to be completed by the end of February.

Minutes of Rocglen Coal Mine
Community Consultative Committee – Meeting #15

Meeting Held: Wednesday 23rd May 2012

Venue: The meeting held at Rocglen Coal Mine Training Room

Commencement Time: 3:00pm

1. Present and Apologies

Present:
Mr John Sturgess (Chairman)
Mr Tony Heinrich (Project Manager)
Mr Danny Young (Environmental Manager – Whitehaven)
Mrs Jill Johnson (Environmental Officer – Whitehaven)
Clr Colleen Fuller (Gunnedah Shire Rep)
Mr Rod Barnes (Community Rep)

Apologies:
Mr Tim Muldoon (Community Liaison Officer - Whitehaven)
Mrs Pam Burns (Community Rep)

2. Previous Minutes

Minutes accepted as a true record on the motion of John Sturgess and Colleen Fuller.

3. Business Arising from Previous Minutes

3.1. Danny Young advised that the final agreement had been received from the Department (Office of Environment and Heritage) for the Biobank Area. The agreement needs to be signed by Whitehaven Directors, returned to the Department and then registered on title. Expect this will occur by the end of this financial year. Credits will then be retired which will require an upfront payment of management costs. Fencing will be funded from this.

3.2. Whitehaven is currently sourcing quotes for full replacement of the fence between the boundary of Yarrari, Belah and Roseberry.

4. Mine Progress Report

Tony Heinrich advised that over the past 3 months approximately 2.069 million BCM of overburden was moved and 373,000 tonnes of coal was mined at a strip ratio of approximately 5.5 to 1.

Mining is continuing in a north/north-easterly direction before eventually turning around and moving in a more southerly direction.

5. Review of Environmental Performance

Danny Young presented the environmental monitoring results which are attached in the environmental monitoring report, and include all complaints lodged over the reporting period.

Jill Johnson noted two mistakes in the report and requested permission to change the report prior to publishing on the website. Proposed changes moved by Colleen Fuller and Rod Barnes.

Colleen Fuller asked who is planting trees. Danny Young advised that Whitehaven is using Steve Fields from Uralla for the first time. He is the main contractor that Boggabri Coal uses and they have a high success rate.

Colleen Fuller asked if there has been any increase in employee numbers. Tony Heinrich said not at Rocglen.

Rod Barnes said his property had been "hammered" with noise over the last two weeks in the morning and evening. Tony Heinrich said it would be related to inversions. Danny Young offered to undertake monitoring and Rod said it doesn't matter.

Rod Barnes asked what the pegs and pink tape on Wean Road are for. Tony Heinrich explained that the new approval requires Whitehaven to bitumen seal Wean Road to the Gunnedah Shire Council/Narrabri Shire Council boundary.

Rod Barnes commented that some of the trees planted along Wean Road aren't growing very well. Danny Young said that after they were planted a grader cleaned the side of the road and damaged/removed them. Any damaged or removed trees will be replaced.

6. General Business

No new business.

7. Next Meeting

The next meeting of the Rocglen CCC is scheduled for Wednesday 8th August 2012 at 3pm.

Meeting closed 3:00pm

J Sturgess
Chairman

Rocglen Coal Mine
Community Consultative Committee
Meeting #15

Environmental Monitoring Report
January – March 2012

Noise Monitoring

Attended noise monitoring was undertaken on the 16th March 2012, in accordance with the Rocglen Noise Monitoring Program, with results outlined below:

Noise Monitoring Results – 16 March 2012 (Day)				
Location	**Time**	**dB(A),Leq**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	8:34 am	44	1m/s, N	Birds & insects (43), farm noise (37), **RCM (33)**
Costa Vale	9:04 am	44	1m/s, N	Birds & insects (44), **RCM (<30)**

Noise Monitoring Results – 16 March 2012 (Evening)				
Location	**Time**	**dB(A),Leq**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	6:00 pm	35	0.5 m/s, NNE	Birds & insects (35), **RCM inaudible**
Costa Vale	6:25 pm	36	0.5 m/s, NNE	Birds & insects (36), **RCM (15)**

Noise Monitoring Results – 16 March 2012 (Night)				
Location	**Time**	**dB(A),Leq**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	10:10 pm	44	Calm	Birds & insects (43), **RCM (31)**
Costa Vale	10:42 pm	37	Calm	Birds & insects (37), **RCM (27)**

The results indicate that, under the operational and atmospheric conditions at the time, noise emissions from the mine did not exceed the criterion of 35 dB(A) at either monitoring location.

In addition to the operational noise, the noise from the mine must not exceed 45 dB(A) L1 (1 min) between the hours of 10 pm and 7 am. This is to minimise the potential for sleep disturbance as a result of individual loud noises from the mine. During the night time measurement circuit the L1 (1 min) noise from the mine did not exceed 45 dB(A) at any monitoring location.

Rocglen recently purchased a real time noise monitor (as required by the extension approval). The monitor is a mobile unit and is currently located at “Costa Vale”. The monitor will be relocated as necessary to respond to noise related concerns from surrounding landholders.

Blast Monitoring

Since the first shot there have been 100 blasts (until the end of April). All blasts during the monitoring period were compliant within the limits of 115dBL and 5mm/s.

Air Quality

Deposited Dust Results

The deposited dust results (g/m^2/month) obtained for the site over the last 12 months are as follows:

Air Quality (Dust Deposition) Results

Month	BD2 - Glenroc	BD3 - Belah	BD4 - Surrey	BD5 - Stratford	BD6 - Roseberry	BD7 - Roseglass	BD8 - Yarrawonga
May 2011	0.7	2.2	0.3	0.3	0.4	0.6	0.7
June 2011	0.4	0.5		0.5	1.5	0.8	0.6
July 2011	1.0	0.4	0.5	0.2	1.3	0.5	3.4
August 2011	0.8	0.5	0.4	0.4	1.9	0.4	0.7
September 2011	1.9	0.7	0.6	0.6	0.8	0.5	0.7
October 2011	1.3	1.0	0.4	0.4	1.3	0.9	1.0
November 2011	1.6	1.1	0.5	0.9	8.0	1.1	1.3
December 2011	1.1	0.7	0.7	1.2	2.0	1.2	1.0
January 2012	2.0	0.6	0.8	0.9	0.8	0.4	0.6
February 2012	1.1	0.2	0.6	0.4	0.3	1.4	0.6
March 2012	1.3	1.9	1.6	1.2	1.0	4.9	1.2
April 2012	5.6	0.6	1.1	0.7	0.5	4.2	1.8
Annual Average	**1.57**	**0.87**	**0.68**	**0.64**	**1.65**	**1.41**	**1.13**

Results confirm low dust levels at all monitoring locations over the last three months with the exception of BD2 “Glenroc” and BD7 “Roseglass”.

BD2 had an anomalous result of 24.6g/m^2/month in April. A large proportion of the sample was combustible matter, however even with this proportion removed from the sample the result is still 5.6g/m^2/month. This is indicative of the close proximity of the dust gauge to mining operations. BD2 is project related with no occupation of the residence.

The annual average at all sites remains well below the concentration threshold of 4g/m^2/month.

PM_{10} Results

The annual averages for PM_{10} levels up until the end of April 2012 remain below the annual average limit of 30µg/m^3, as follows:

Glenroc: 14.91µg/m^3
Roseberry: 10.08µg/m^3

The 24hr criterion of 50µg/m^3 was not breached at Roseberry during the period.

Recent sampling results identified a 24hr exceedance of PM_{10} criteria at the "Glenroc" monitor on 2nd April 2012, with a result of 54.5ug/m3. The "Glenroc" property is mine owned with no occupation of the "Glenroc" residence. A review of conditions on the run date identified a South, South Westerly wind was dominant at speeds averaging 3.2km/hr. Given the direction of wind, it is likely that overburden dumping operations contributed to this exceedance. It is also noteworthy that recent works were conducted in and around the monitor, including dozer operations to construct a clean and dirty water diversion drain associated with water management for the Rocglen Extension Approval.

In accordance with the EA completed for the Rocglen Extension project, and the draft Air Quality Monitoring Program, the "Glenroc" PM_{10} monitor needs to be relocated further to the north away from the northern dump footprint to the "Costa Vale" property. This is intended to occur in the next few weeks. Over the remaining run times of the HVAS during April, there were no further exceedances in the 24hr criteria at "Glenroc".

Given the circumstances above, and that the monitor will shortly be relocated to the north in accordance with recommendations from the Extension EA and Air Quality Monitoring Program, no further action relating to cause/mitigation is considered warranted at this time. DoPI and EPA were notified of the exceedance and agreed that no further action was required.

Water Monitoring

Ground Water

Groundwater monitoring data obtained to date is presented in the following table. Standing Water Level (SWL) graphs are also provided.

Site	Date	SWL (m)	pH	Elect. Conduct µs/cm
MP1	September 08	21.14		
	13 October 08	13.87		
	23 October 08	13.83		
	29 October 08	14.10	7.6	2360
	23 January 09	14.69		
	22 June 09	13.55	7.8	2250
	15 September 09	13.63		
	30 November 09	13.57	7.85	2250
	25 February 10	13.58		
	3 May 10	13.5	8.06	2100
	26 Aug 10	13.42	8	1650
	8 November 10	13.35	7.36	2080
	2 March 11	13.23	7.24	1942
	3 May 11	13.24	7.45	1872

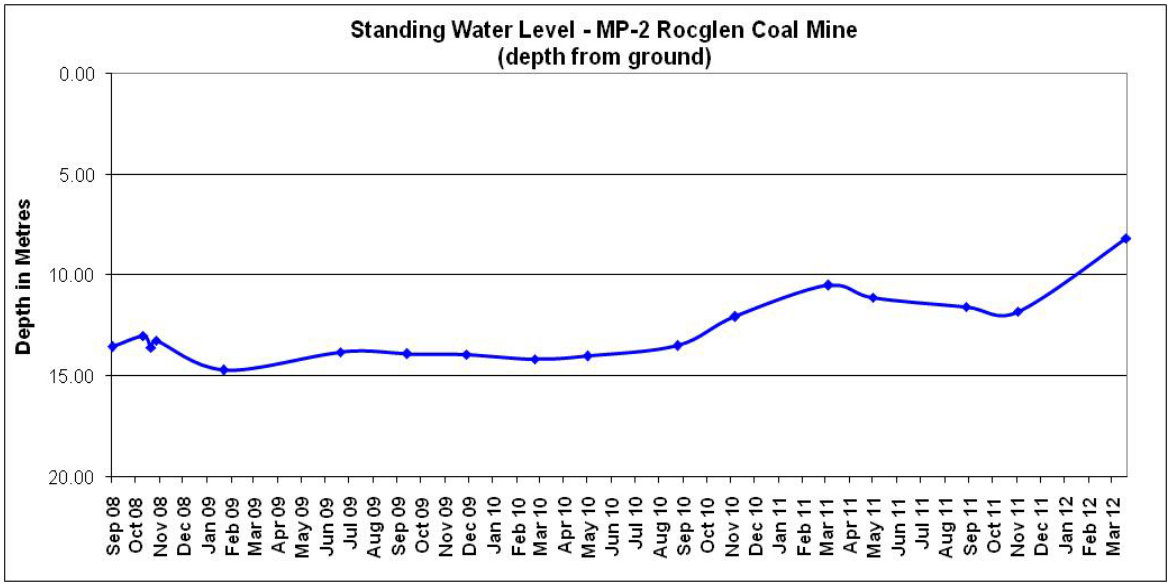
	Bore covered by production area			
MP2	September 08	13.53		
	13 October 08	12.98		
	23 October 08	13.56		
	29 October 08	13.20	7.3	4180
	23 January 09	14.60		
	22 June 09	13.70	7	5210
	15 September 09	13.88		
	30 November 09	13.90	6.99	4560
	25 February 10	14.14		
	3 May 10	14	7.37	4760
	26 August 10	13.48	7.07	5060
	8 November 10	12.04	6.72	3720
	7 March 11	10.49	6.98	4060
	3 May 11	11.1	6.95	4110
	30 August 11	11.54	7.27	5320
	4 November 11	11.78	6.8	3820
	21 March 12	8.17	7.01	4330
MP3	September 08	11.81		
	13 October 08	9.06		
	23 October 08	17.36		
	29 October 08	N/S Bore Dry		
	23 January 09	18.3 (mud)		
	22 June 09	N/S Bore Dry		
	15 September 09	Dry		
	30 November 09	Dry		
	25 February 10	Dry		
	3 May 10	Dry		
	26 August 10	Dry		
	8 November 10	Dry		
	7 March 11	Dry		
	3 May 11	Dry		
	30 August 11	Dry		
	4 November 11	Dry		
	20 March 12	Dry		
MP4	September 08	22.62		
	13 October 08	23.02		
	22 October 08	23.17		
	29 October 08	N/S Bore Dry		
	23 January 09	24.16 (mud)		
	22 June 09	N/S Bore Dry		
	15 September 09	Dry		
	30 November 09	Dry		
	25 February 10	Dry		
	3 May 10	Dry		
	26 August 10	Dry		
	8 November 10	Dry		
	7 March 11	Dry		
	3 May 11	Dry		
	30 August 10	Dry		
	4 November 11	Dry		
	20 March 12	Dry		

MP5	September 08	53.13		
	13 October 08	52.9		
	23 October 08	52.96		
	29 October 08	N/S Bore Dry		
	23 January 09	54.44 (mud)		
	22 June 09	N/S Bore Dry		
	15 September 09	Dry		
	30 November 09	54.4	Insufficient water to sample	
	25 February 10	54.48		
	3 May 10	54.6		
	26 August 10	54.69		
	8 November 10	54.88	Insufficient water to sample	
	2 March 11	54.85	Insufficient water to sample	
	3 May 11	54.8	Insufficient water to sample	
	30 August 11	54.89	Insufficient water to sample	
	4 November 11	54.78	Insufficient water to sample	
	20 March 12	54.85	Insufficient water to sample	
WB1	13 October 08	8.95		
	28 October 08	8.85	7.9	1996
	NO ACCESS			
	21 March 12	8.49	7.98	1640
WB2	September 08	16.87		
	13 October 08	16.49		
	28 October 08	16.60	7.7	3430
	23 January 09	17.00		
	22 June 09	16.65	7.2	3160
	15 September 09	16.45		
	6 January 09	16.45	7.51	2010
	25 February 10	16.48		
	3 May 10	16.56	7.84	2190
	26 August 10	19.54	7.4	3000
	8 November 10	17.00	7.3	2410
	2 March 11	16.96	7.31	2450
	3 May 11	16.53	7.55	2360
	30 August 11	16.36	7.87	2880
	4 November 11	16.44	8.4	2110
	20 March 12	16.42	8.46	2410
WB3	September 08	8.82		
	13 October 08	8.87		
	29 October 08	8.95	7.2	4480
	23 January 09	23.72		
	10 February 09	9.0		
	22 June 09	8.99	7.5	4380
	15 September 09	8.76		
	30 November 09	8.8	7.74	3890
	25 February 10	8.69		
	3 May 10	18.53	7.88	4000
	26 August 10	8.94	8.28	3260
	8 November 10	8.98	8.02	2360
	2 March 11	17.63	7.44	3770
	3 May 11	9.07	7.7	3790
	1 September 11	9.14	8.32	4860
	6 December 11	9.07	7.05	3650

	20 March 12	8.71	6.95	3720
WB4	Casing Sealed	No Access		
	26 August 10	Unable to dip	7.83	3650
	2 March 11	Unable to dip	7.03	3320
	3 May 11	Unable to dip	7.1	3160
	1 September 11	Unable to dip	7.15	3650
	6 December 11	Unable to dip	7.36	3590
	20 March 12	Unable to dip	7.32	3680
WB5	September 08	4.23		
	13 October 08	12.92		
	28 October 08	12.85	7.2	8400
	23 January 09	13.1		
	22 June 09	No Access	6.6	7930
	15 September 09	No Access		
	30 November 09	22.93	7.06	4880
	25 February 10	13.14		
	3 May 10	12.97	7.43	6720
	26 August 10	13.01	7.47	7480
	8 November 10	14.06	7.86	5810
	2 March 11	20.99	6.45	5590
	3 May 11	12.7	6.8	5760
	30 August 11	12.7	7.85	7780
	4 November 11	12.79	7.9	5550
	20 March 12	10.26	7.82	6670
WB6	September 08	23.18		
	13 October 08	23.05		
	29 October 08	No Access		
	23 January 09	23.81		
	22 June 09	23.74	Unable to sample	
	15 September 09	23.83		
	30 November 09	24.02	No sample – bore equipped	
	25 February 10	25.05		
	3 May 10	23.71		
	26 August 10	23.47	Bore equipped	
	8 November 10	23.31	Bore equipped	
	7 March 11	22.74	Bore equipped	
	3 May 11	22.02	Bore equipped	
	30 August 11	22.55	Bore equipped	
	4 November 11	22.67	Bore equipped	
	20 March 12	21.72	Bore equipped	
WB7	September 08	41.75		
	13 October 08	19.11		
	28 October 08	18.90	7.2	2730
	23 January 09	21.35		
	22 June 09		7.4	2690
	15 September 09	Bore equipped		
	30 November 09	Unable to dip	7.3	2260
	25 February 10	Unable to dip		
	3 May 10	15	7.45	2470
	26 August 10	25.91	Unable to sample – bore equipped	
	8 November 10	31.53	7.24	2240
	7 March 11	25.13	7.24	2230

	3 May 11	14.78	7.45	2130
	30 August 11	17.66	7.91	2750
	4 November 11	29.41	7.7	2080
	20 March 12	2.96*	7.41	3120
		*considered to be an incorrect reading		
WB8	September 08	No Access		
	13 October 08	No Access		
	29 October 08	No Access		
	23 January 09	46.4		
	22 June 09	32.75	8.2	2240
	15 September 09	43.38		
	30 November 09	Dry		
	25 February 10	49.32		
	3 May 10	32.59	Unable to Sample – pump over bore	
	26 August 10	32.23	Unable to Sample – pump over bore	
	9 November 10	32.14	Unable to Sample – pump over bore	
	7 March 11		Unable to Sample – gate locked	
	3 May 11		Unable to Sample – gate locked	
	1 September 11	31.77	Unable to Sample – pump over bore	
	6 December 11	31.58	Unable to Sample – pump over bore	
	21 March 12	31.43	Unable to Sample – pump over bore	
WB9	September 08	23.88		
	13 October 08	24.09		
	28 October 08	24.50	7.5	931
	23 January 09	24.27		
	22 June 09	23.99	7.9	1080
	15 September 09	23.94		
	30 November 09	24.05	7.14	1020
	25 February 10	25.58		
	3 May 10	24.26	Unable to Sample	
	26 August 10	24.59	7.72	1057
	9 November 10	24.34	Windmill over bore	
	7 March 11	26.7	7.44	1143
	3 May 11	25.26	7.6	1014
	30 August 11	24.36	7.92	1260
	4 November 11	24.58	7.7	937
	20 March 12	24.59	7.58	1126
WB10	July 08	13.75		
	September 08	13.80		
	13 October 08	13.77		
	28 October 08	13.9	7.4	2235
	27 January 09	14.23		
	22 June 09	14.01	7	2220
	11 September 09	14.65		
	30 November 09	14.62	6.89	1690
	25 February 10	14.23		
	3 May 10	14.47	7.93	2010
	24 September 10	14.05	6.7	1833
	10 November 10	14.1	6.72	1905
	7 March 11	14.34	6.75	1910
	3 May 11	14.07	6.8	1685
	1 September 11	16.47	6.95	1745
	6 December 11	14.12	6.92	1780

	21 March 12	14.13	6.94	1880
WB11	July 08	18.11		
	September 08	18.61		
	13 October 08	18.13		
	28 October 08	18.4	7.5	1086
	27 January 09	18.73		
	22 June 09	18.1	8	880
	11 September 09	18.63		
	30 November 09	18.6	6.65	929
	25 February 10	18.47		
	3 May 10	18.24	8.37	921
	24 September 10	17.65	7.59	865
	10 November 10	17.49	7.49	867
	7 March 11	18.57	7.05	944
	3 May 11	17.34	7.25	867
	1 September 11	17.57	8.13	1200
	6 December 11	16.93	7.50	905
	21 March 12	16.15	7.93	910
WB12	July 08	12.73		
	September 08	12.80		
	13 October 08	12.83		
	28 October 08	12.95	8.1	2152
	27 January 09	13.16		
	22 June 09	12.99	8	2070
	11 September 09	13.05		
	30 November 09	12.99	8.34	1640
	25 February 10	13.19		
	3 May 10	13.15	8.27	1390
	24 September 10	13.22	8.71	873
	10 November 10	13.13	7.07	891
	7 March 11	13.18	7.37	1867
	3 May 11	13.15	7.45	1657
	1 September 11	13.23	8.57	2130
	6 December 11	13.13	7.66	1390
	21 March 12	13.08	7.92	885
Production Bore	September 08	55.24		
	13 October 08	50.18		
	28 October 08	49.90	7.3	4030
	27 January 09	49.90		
	22 June 09	>50	7.1	3580
	27 August 09		7.3	3330
	30 November 09		7.2	3160
	25 February 10		Bore equipped	
	3 May 10		7.52	3310
	26 August 10	Bore Equipped	7.42	3340
	8 November 10	Bore Equipped	Pump not working	
	7 March 11	Bore Equipped	6.97	2880
	3 May 11	Bore Equipped	7	2930
	30 August 11	Bore Equipped	7.25	3800
	4 November 11	Bore Equipped	7.1	2790
	20 March 12	Bore Equipped	6.92	3380


Standing Water Level - MP-2 Rocglen Coal Mine
(depth from ground)
Depth in Metres
0.00
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10.00
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Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
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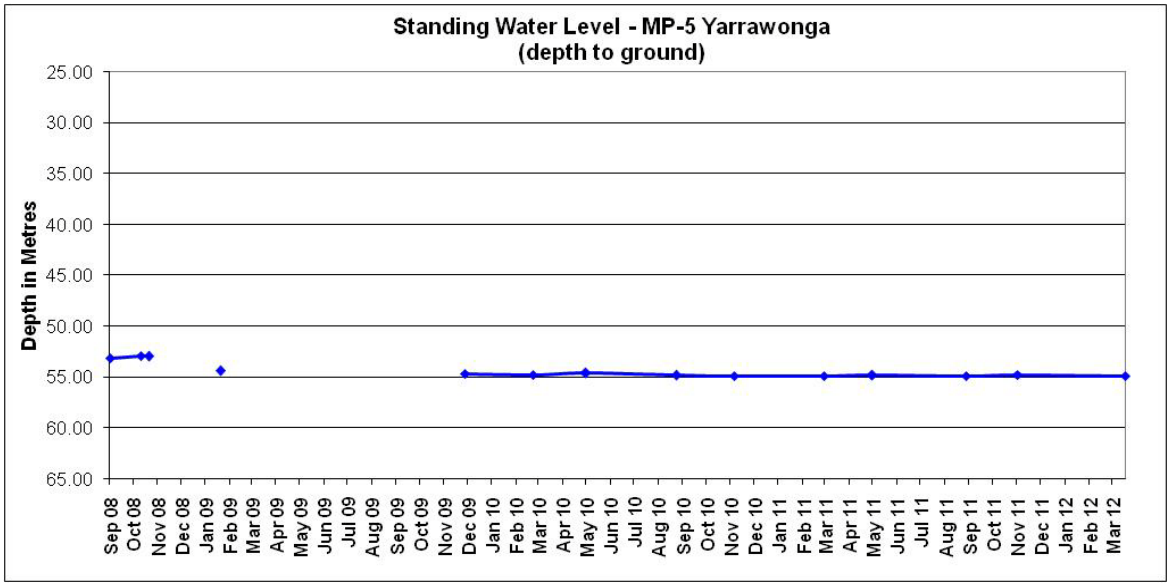
Mar 12


Standing Water Level - MP-5 Yarrawonga
(depth to ground)
Depth in Metres
25.00
30.00
35.00
40.00
45.00
50.00
55.00
60.00
65.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
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Apr 09
May 09
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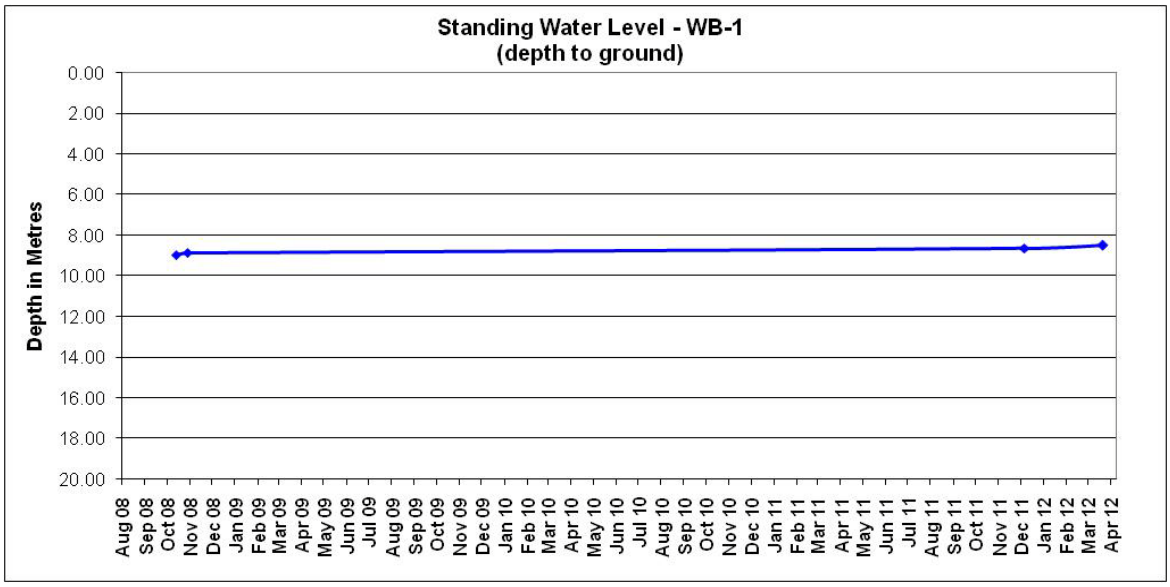
Standing Water Level - WB-1
(depth to ground)
Depth in Metres
0.00
2.00
4.00
6.00
8.00
10.00
12.00
14.00
16.00
18.00
20.00
Aug 08
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
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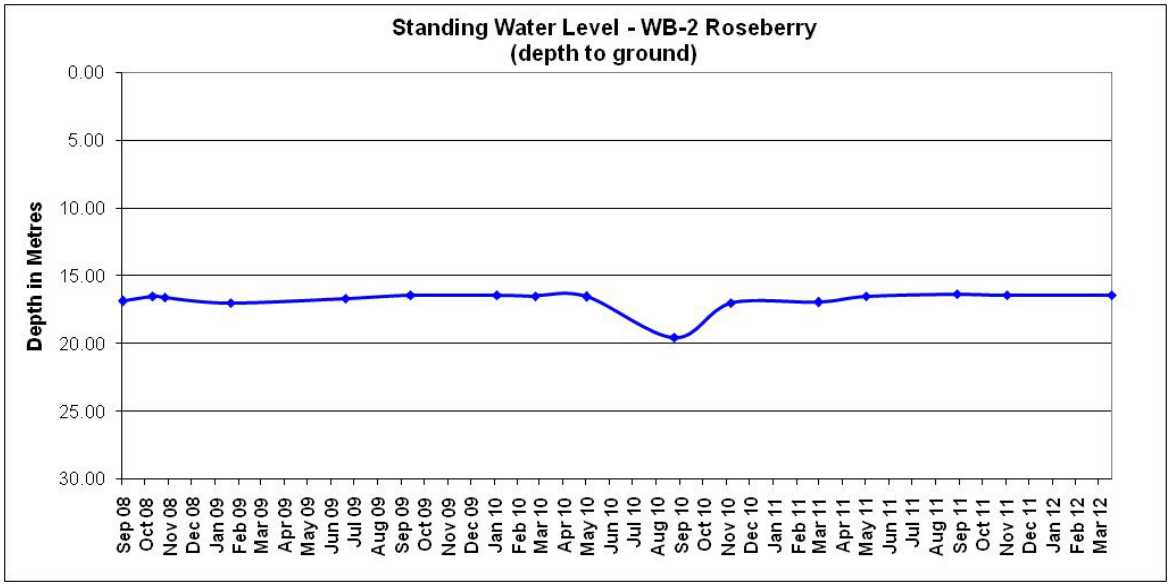
Standing Water Level - WB-2 Roseberry
(depth to ground)
Depth in Metres
0.00
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10.00
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20.00
25.00
30.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
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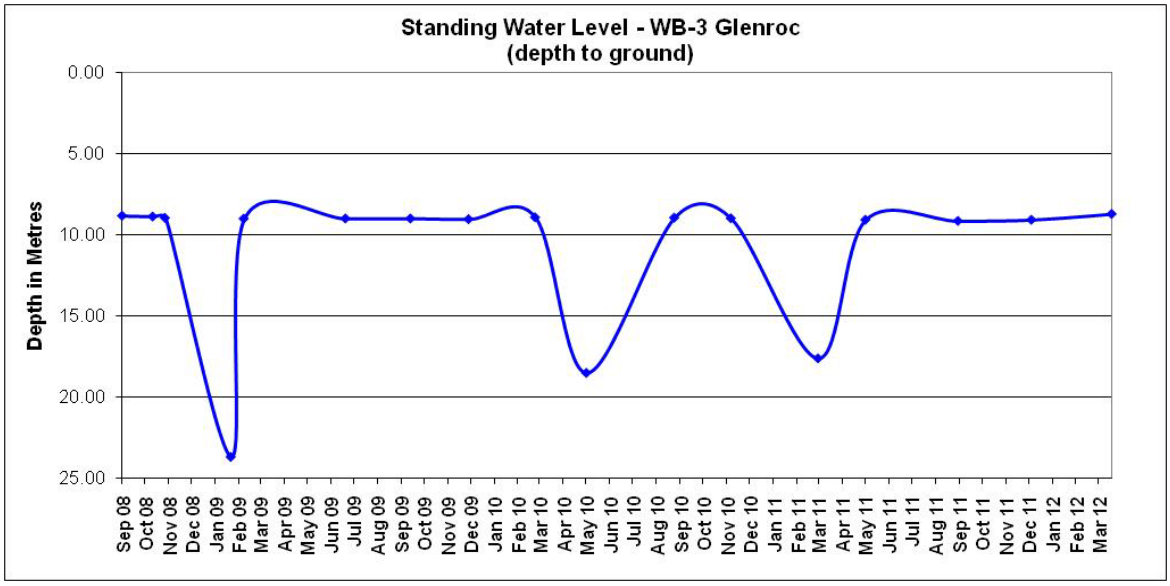
Standing Water Level - WB-3 Glenroc
(depth to ground)
Depth in Metres
0.00
5.00
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20.00
25.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
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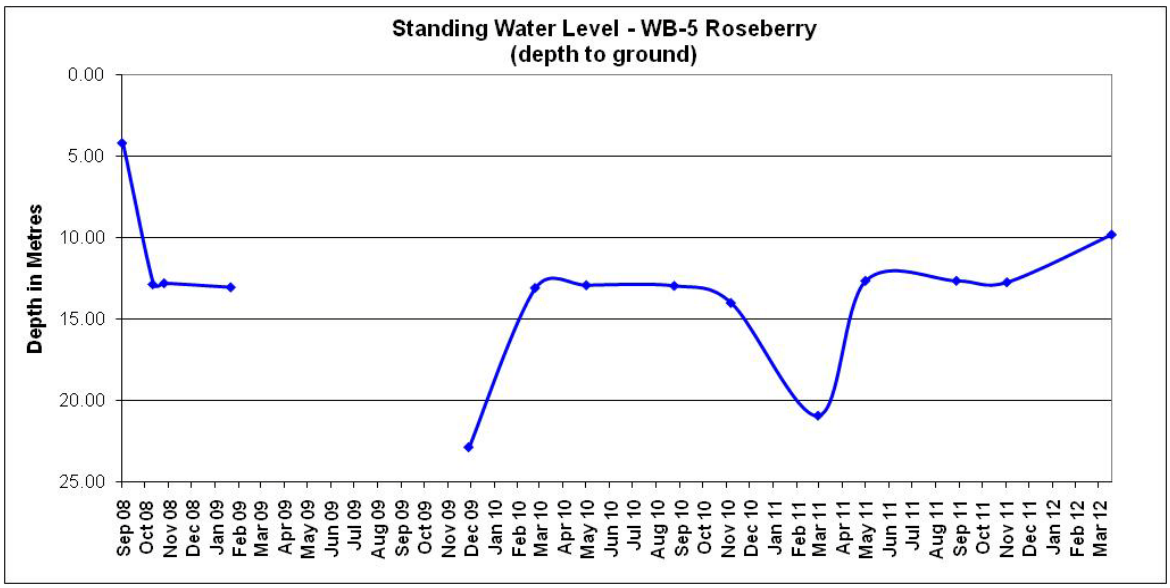
Standing Water Level - WB-5 Roseberry
(depth to ground)
Depth in Metres
0.00
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25.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
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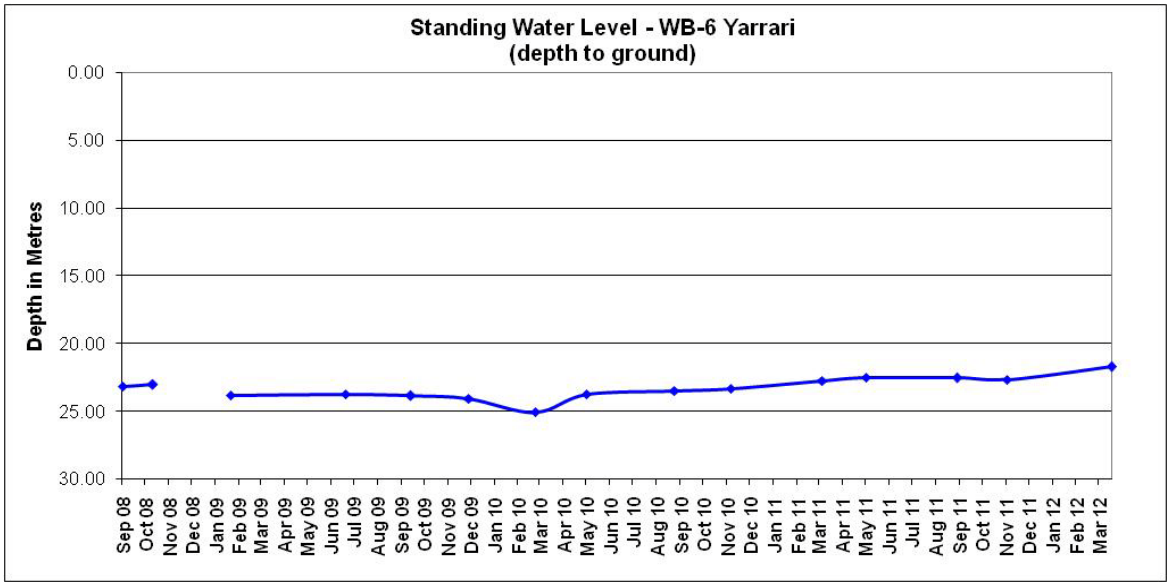
Standing Water Level - WB-6 Yarrari
(depth to ground)
Depth in Metres
0.00
5.00
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20.00
25.00
30.00
Sep 08
Oct 08
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Jan 09
Feb 09
Mar 09
Apr 09
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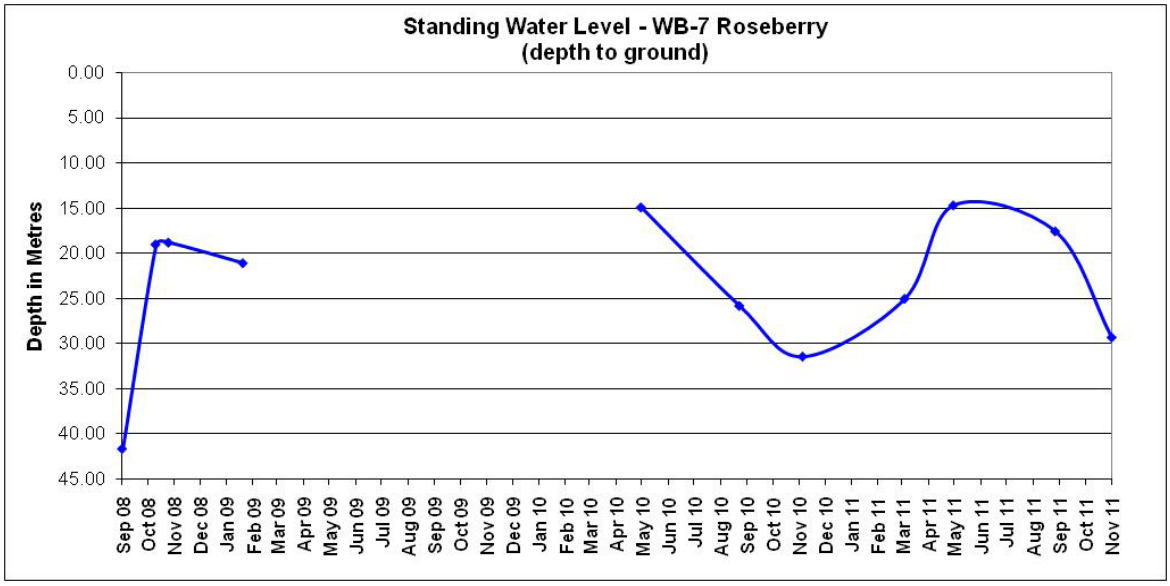
Standing Water Level - WB-7 Roseberry
(depth to ground)
Depth in Metres
0.00
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35.00
40.00
45.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
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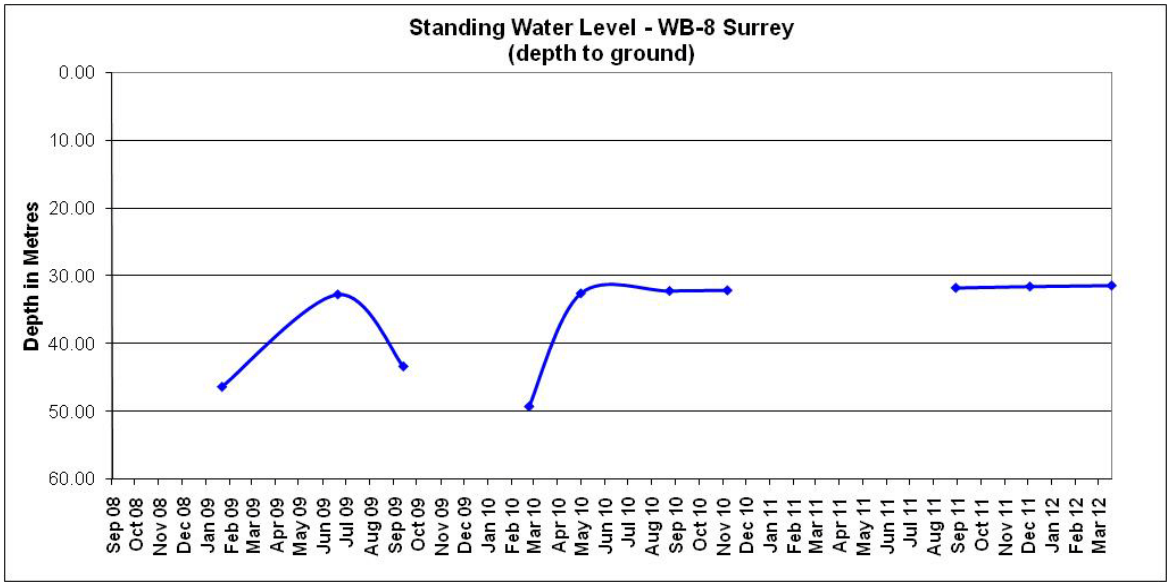
Standing Water Level - WB-8 Surrey
(depth to ground)
Depth in Metres
0.00
10.00
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40.00
50.00
60.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
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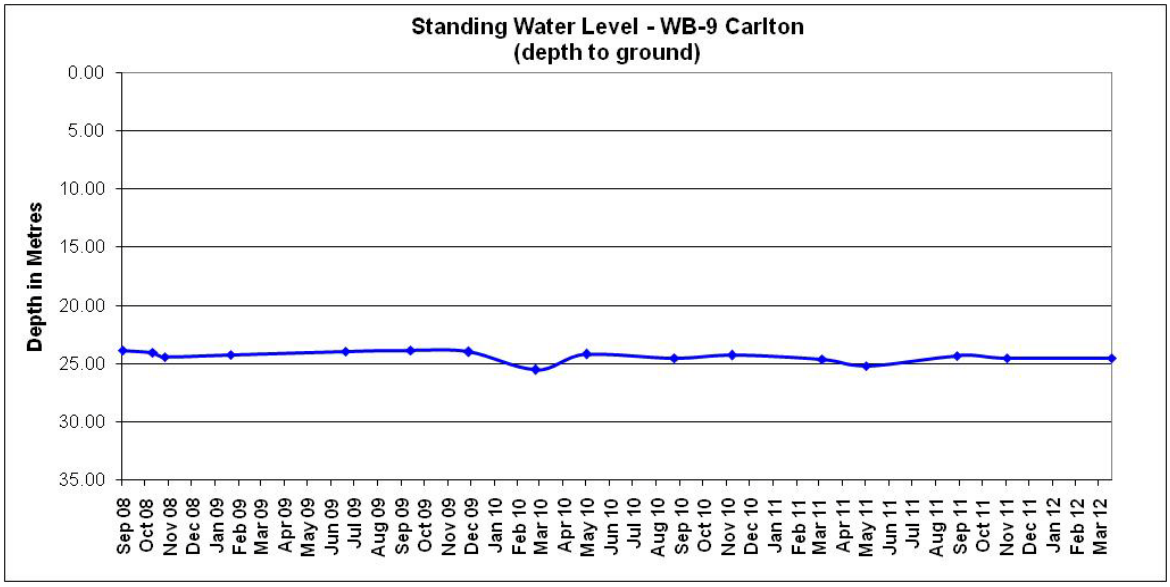
Standing Water Level - WB-9 Carlton
(depth to ground)
Depth in Metres
0.00
5.00
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35.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
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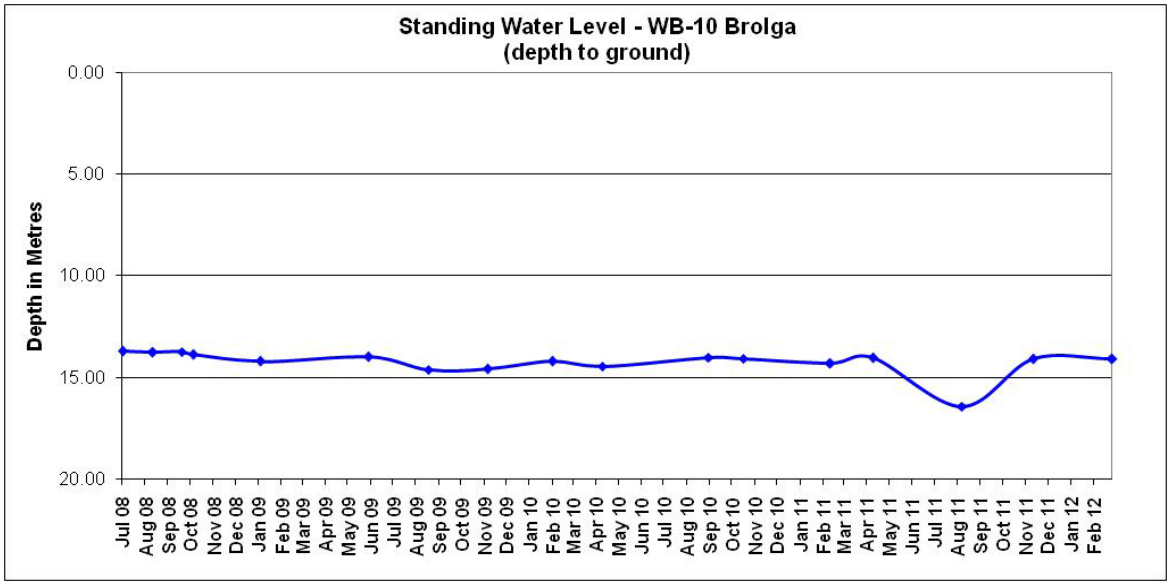
Standing Water Level - WB-10 Brolga
(depth to ground)
Depth in Metres
0.00
5.00
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Jul 08
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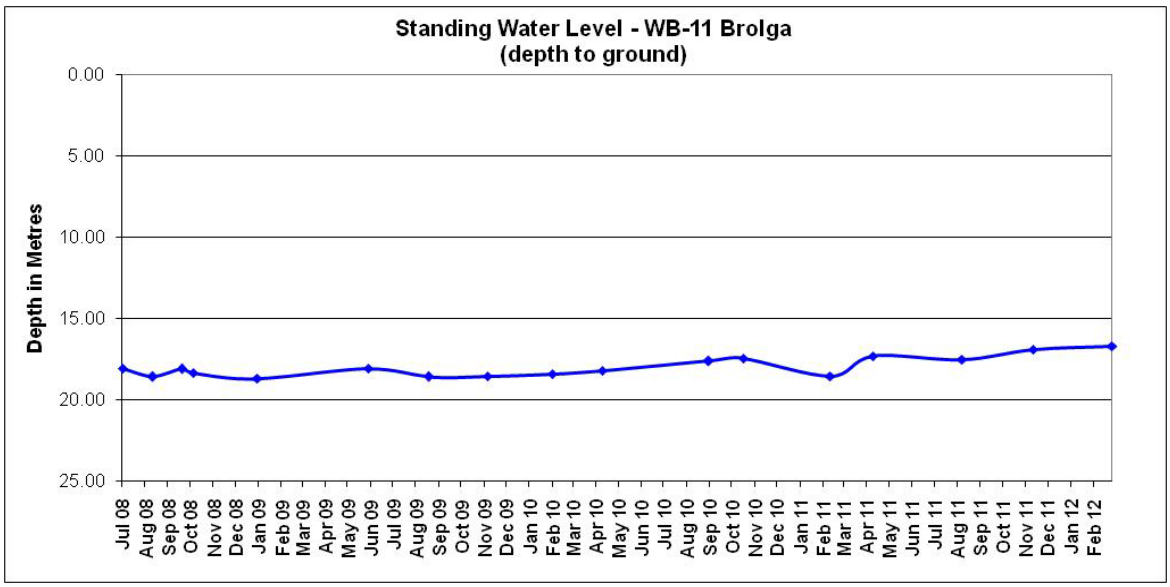
Standing Water Level - WB-11 Brolga
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
Jul 08
Aug 08
Sep 08
Oct 08
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Dec 08
Jan 09
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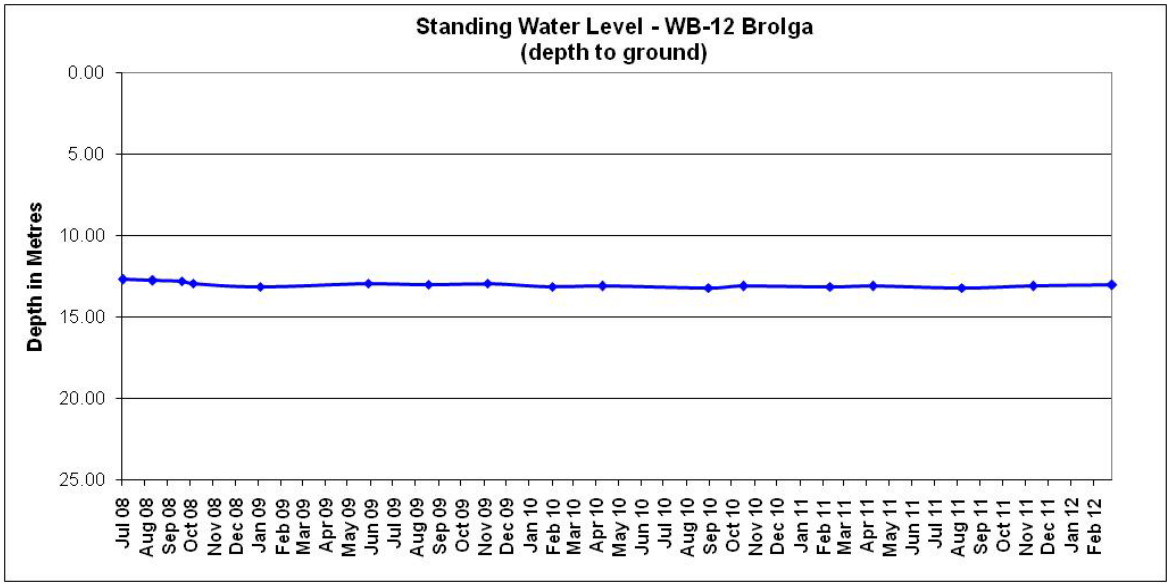


Standing water levels have remained relatively consistent since the last CCC with slight recharge showing in some monitoring bores. The table of results shows a standing water level of 2.96m at WB7 at the last monitoring event. Despite the fluctuating nature of standing water levels in this monitoring location (which is equipped with a bore), the latest measurement is highly anomalous and therefore considered to be a transcription error in the field. This will be confirmed in subsequent monitoring events.

Surface Water

Discharges occurred on the 31st January and 1st February 2012. Discharge from SD3 was compliant on the 31st January with a TSS level of 42mg/L. SB18 exceeded the TSS limit during discharge on the 1st February (114mg/L) however this is not considered an exceedance due to 87.6mm of rain falling in the preceding 5 days (as per the site's EPL 90%ile 5 day storm exceedance allowance for events greater than 38.4mm).

A further discharge occurred from SD3 on the 21st February 2012 following 25mm of rainfall in the preceding 5 days. A TSS level of 350mg/L was recorded. EPA and DoPI were notified of this exceedance.

Complaints

There have been five complaints since the last meeting as detailed in the following table.

Rehabilitation

Rehabilitation works have been completed on the western batter of the southern emplacement, with contour bank establishment now completed and seeding to cover crop undertaken. Installation of a drainage blanket at the northern end has also been completed, design to minimise potential for erosion from surface water drainage off the emplacement and along the western boundary of the lease. Several types of drainage blanket were installed to trial each product and determine the best performing blanket for re-use in other areas across the site. Tubestock planting has also been undertaken

on the western emplacement, with approximately 7,000 trees planted during May comprising species endemic to the area.

At the northern end of site, clean and dirty water controls have been established in accordance with requirements identified in the extension approval. This has been designed to divert clean surface water flows around the site away from disturbed areas, with dirty surface water flows reporting to sediment basins prior to any off-site discharge.

Method	Date/Time of Complaint	Nature of Complaint	Investigation	Action Taken / Follow-up
Phone call to Community Liaison Officer	18/02/2012 ~12:00pm	Complaint in relation to the blasting on Saturdays following the blast on the 18th February 2012. The complainant said he was advised by the former Whitehaven Community Liaison Officer that blasting would not be undertaken on Saturdays. The complainant is concerned that Rocglen will start mining 24 hours a day, 7 days a week.	The Community Liaison Officer advised the complainant that there was no proposal to mine on Sundays. The Community Liaison Officer also contacted the Rocglen Site Clerk who advised that the complainant had been notified of the intention to undertake this blast on Saturday and that other blasts had occurred on Saturdays in the past. Blasting on Saturdays in minimised.	The complainant was contacted on the morning of the 20th February 2012 by the Community Liaison Officer and advised that the consent allows blasting on Saturdays and that he was given prior notification of the blast. No further action required.
Email to Environmental Manager	1/03/2012 9:32am	Complaint in relation to lights and noise from the Rocglen mine impacting the complainant's property. Lights and noise causing sleep disturbance impacting on his quality of life and wishes to have actions undertaken to resolve the matter.	Environmental Field Officer has been asked to observe lighting conditions north of Rocglen and report on findings. Sympathetic direction of lighting has been an issued raised with the Project Manager previously and will continue to reinforce this matter with site to minimize impacts wherever possible. The matter of noise has also been discussed with the complainant and it has been agreed to position the real time noise monitor at his property upon delivery. Whitehaven is also in the process of investigating the property for potential offset requirements and will continue to consult with the landholder in this regard.	Ongoing contact occurring in relation to investigation works for offset requirements. Noise monitor may be positioned at the property in consultation with the landholder.
Phone call to Environmental Officer	27/03/2012 8:10am	Complaint in relation to dust at Tarrawonga that morning (and the previous day) and light from Rocglen. Was unable to define where dust was actually coming from (Tarrawonga and/or Boggabri Coal) but said she could see Tarrawonga which is why she called us. Complainant also asked about the noise monitoring report for Tarrawonga that Whitehaven is to provide. Suggested that report will be issued on return of Environmental Manager from Annual Leave.	Environmental Officer immediately called Tarrawonga Project Manager and asked that the dust situation be assessed and any additional controls be implemented if issues are identified. The Project Manager and Mine Planning inspected the site and were unable to ascertain any dust generation that could have caused concern. Some dust generation from Boggabri Coal was noticeable and photos of both sites were taken. The paddock directly south of the Tarrawonga Mine was also being ploughed at the time of the complaint. The Rocglen Project Manager was made aware of the complaint in relation to light impacts. It was identified that whilst site personnel are aware of the need for sympathetic positioning of light, often it is very difficult to position the lights in such a way that allow for safe operations whilst not affected neighbouring landholders. The complainant's property is approximately 15km from the mine site.	

Method	Date/Time of Complaint	Nature of Complaint	Investigation	Action Taken / Follow-up
Phone call to Environmental Manager – left message	22/04/2012 7:30am	Complaint in relation to two separate issues. The first was in relation to sheep entering the complainant's property through "Belah" on Friday at 5.30 p.m. The sheep are owned by another neighbour ("Roseberry"). The second was in relation to noise from Rocglen that sounded like scrapers running on Sunday morning at 7.30am.	The issue involving sheep entering the complainant's property was discussed with Whitehaven's Environmental Field Officer on the 23rd April 2012. It was advised that the sheep enter "Belah" from the "Roseberry" property and then move into the complainant's property. Countless hours are spent by the Field Officer patching fences and moving sheep out of "Belah". Amongst other duties he cannot keep them out all the time. The sheep are ultimately the responsibility of the "Roseberry" landholder however upgraded fencing of the offset area boundary will be required in due course. Investigation into the claim that noise on a Sunday morning sounded like scrapers were running was undertaken on the 23rd April 2012. A phone call was made to the Whitehaven Field Environmental Officer who lives directly east of the scraper park up area. He suggested that there were no scrapers running on the Sunday as he could see them parked, he did note that maintenance activities were being undertaken on a truck in the workshop that may have been mistaken for scraper noise. Further confirmation was made via a phone call to the Rocglen Project Manager who confirmed that no scrapers were running on a Sunday and that the noise would have been associated with engine revs during maintenance activities in the workshop.	No further action required.
Email to Environmental Manager	25/04/2012 9:29am	Complaint in relation to lights from the Rocglen Mine impacting on the complainant's property.	The matter of lighting impacts to the north have been discussed with the Rocglen Project Manager. The complainant's property is located approximately 15km from the mine site and on this basis is considered unlikely that lights from Rocglen would be causing a direct impact at that property. Nevertheless, a night inspection will be undertaken to verify the extent of impact in proximity to the property and if additional measures are required at site to reduce impact.	

Minutes of Rocglen Coal Mine
Community Consultative Committee – Meeting #16

Meeting Held: Wednesday 8th August 2012

Venue: The meeting held at Rocglen Coal Mine Training Room

Commencement Time: 3:00pm

1. Present and Apologies

Present:
Mr Tony Heinrich (Acting Project Manager)
Mr Danny Young (Environmental Manager – Whitehaven)
Mrs Jill Johnson (Environmental Officer – Whitehaven)
Clr Colleen Fuller (Gunnedah Shire Rep), Acting Chair
Mr Rod Barnes (Community Rep)
Mr Warren Nicholls (Community Rep)
Mrs Pam Burns (Community Rep)

Apologies:
Mr Tim Muldoon (Community Liaison Officer - Whitehaven)
Mr John Sturgess (Chairman)

2. Previous Minutes

Minutes accepted as a true record on the motion of Colleen Fuller and Pam Burns.

3. Business Arising from Previous Minutes

3.1. Danny Young advised that the Biobank agreement had been signed. Whitehaven is now required to pay the upfront in perpetuity management costs, retire credits and implement a management plan.

3.2. Danny Young said that now the Biobank had been endorsed, funding will be available for fencing upgrades between Yarrari, Belah and Roseberry. The company is also looking at Roseglass for its potential for possible biodiversity offset area for the Vickery Project.

3.3. Danny Young advised that the damaged trees along Wean Road have been replaced.

4. Mine Progress Report

Tony Heinrich advised that over the past 3 months approximately 2.301 million BCM of overburden was moved and 336,000 tonnes of coal was mined at a strip ratio of approximately 6.8 to 1.

Mining is continuing in a north-westerly/north-easterly direction before eventually turning around and moving in a more southerly direction.
Mine progress report moved by Warren Nicholls, seconded by Pam Burns.

5. Review of Environmental Performance

Danny Young presented the environmental monitoring results which are attached in the environmental monitoring report, and include all complaints lodged over the reporting period.

Warren Nicholls asked what grass species were being used on the rehabilitation. Danny Young said a number of species have been trialled with varying success. The cover crop is oats but a mix of winter and summer pasture species have also been included in the seed mix which should come through once the cover crop dies off.

Warren Nicholls asked where the trees had been planted. Danny Young said the rehabilitated surface had been mounded between the main contours and the trees had been planted in the furrows created by mounding. The furrows hold water back which assists with plant growth.

Environment Monitoring Report moved by Warren Nicholls, seconded by Pam Burns.

6. General Business

Rod Barnes said he is getting a hammering with noise from the mine and he has recorded dates for when it has been noisy. Danny Young said the mine will start processing the data from the real time noise monitor and will then sit down with Rod to discuss. Danny asked if Rod could provide the dates to Whitehaven to assist with processing the data but Rod said he would not provide them. Danny told Rod it is easier to process the data if Whitehaven can focus on the dates recorded but Rod said he will only provide the dates once Whitehaven gives him the results.

Warren Nicholls noted the increase in roadside litter again. Rod agreed and noted that the rubbish lessens north of the mine access. Everyone agreed that it is difficult to control what people do outside of the premises. Danny said he would arrange for the Whitehaven Field Officer to do more regular collections of rubbish.

Rod Barnes said Ed Wall had told him that the mine was supposed to supply a noise report to him last April and when he approached the mine in March they said it would be a couple more weeks. Danny Young to investigate.

Rod Barnes asked if the mine works on Sunday. Tony Heinrich said no work occurs on Sundays, except maintenance activities.

Colleen Fuller reiterated to the Committee that any complaints they receive from members of the community should be notified to Whitehaven immediately and not at the next CCC meeting. It is much easier for Whitehaven to deal with them at the time rather than months later.

Tony Heinrich advised that as of the 13th July 2012 he was no longer the Project Manager at Rocglen. Jason Conomos (former Tarrawonga Project Manager) is now the Rocglen Project Manager, however he was on holidays at the time of the meeting. Warren Nicholls moved a motion to thank Tony for his assistance over the last few years. Motion seconded by Pam Burns.

7. Next Meeting

The next meeting of the Rocglen CCC is scheduled for Wednesday 14th November 2012 at 3pm.

Meeting closed 3:30pm

J Sturgess
Chairman

Rocglen Coal Mine
Community Consultative Committee
Meeting #16

Environmental Monitoring Report
April – June 2012

Noise Monitoring

Attended noise monitoring was undertaken on the 27th June 2012, in accordance with the Rocglen Noise Monitoring Program, with results outlined below:

RCM Noise Monitoring Results – 27 June 2012 (Day)				
Location	**Time**	**dB(A),Leq**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	7:50 am	42	1 m/s, SE	Birds (42), **RCM (<20)**
Costa Vale	8:20 am	54	1 m/s, SE	Birds (54), **RCM (36)**

RCM Noise Monitoring Results – 27 June 2012 (Evening)				
Location	**Time**	**dB(A),Leq**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	6:04 pm	33	1 m/s, SE	Birds & insects (33), **RCM inaudible**
Costa Vale	6:31 pm	36	1 m/s, SE	**RCM (35)**, birds (30)

RCM Noise Monitoring Results – 27 June 2012 (Night)				
Location	**Time**	**dB(A),Leq**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	10:10 pm	33	0.5 m/s, SE	Domestic noise (33), **RCM (25)**
Costa Vale	10:34 pm	40	0.5 m/s, SE	Birds (37), **RCM (37)**

The results indicate that, under the operational and atmospheric conditions at the time, noise emissions from the mine exceeded the criterion of 35 dB(A) at the Costa Vale monitoring location, during the day and night periods. “Costa Vale” is a mine owned property and therefore these are not considered reportable exceedances. In accordance with the new Environmental Protection Licence issued by the EPA, the property “Retreat” now replaces “Costa Vale” as a licenced noise monitoring point, and will be monitored in future.

In addition to the operational noise, the noise from the mine must not exceed 45 dB(A) L1 (1 min) between the hours of 10 pm and 7 am. This is to minimise the potential for sleep disturbance as a result of individual loud noises from the mine. During the night time measurement circuit the L1 (1 min) noise from the mine did not exceed 45 dB(A) at any monitoring location.

Rocglen's real time noise monitor (as required by the extension approval) is currently located at the "Surrey" property gathering noise data for assessment.

Blast Monitoring

Since the first shot there have been 103 blasts (until the end of June). All blasts during the monitoring period were compliant within the limits of 115dBL and 5mm/s.

Air Quality

Deposited Dust Results

The deposited dust results (g/m^2/month) obtained for the site over the last 12 months are as follows:

Air Quality (Dust Deposition) Results

Month	BD2 - Glenroc	BD3 - Belah	BD4 - Surrey	BD5 - Stratford	BD6 - Roseberry	BD7 - Roseglass	BD8 - Yarrawonga
August 2011	0.8	0.5	0.4	0.4	1.9	0.4	0.7
September 2011	1.9	0.7	0.6	0.6	0.8	0.5	0.7
October 2011	1.3	1.0	0.4	0.4	1.3	0.9	1.0
November 2011	1.6	1.1	0.5	0.9	8.0	1.1	1.3
December 2011	1.1	0.7	0.7	1.2	2.0	1.2	1.0
January 2012	2.0	0.6	0.8	0.9	0.8	0.4	0.6
February 2012	1.1	0.2	0.6	0.4	0.3	1.4	0.6
March 2012	1.3	1.9	1.6	1.2	1.0	4.9	1.2
April 2012	5.6	0.6	1.1	0.7	0.5	4.2	1.8
May 2012	2	1	1.2	0.6	0.8	0.8	0.9
June 2012	1.6	0.4	0.5	0.5	0.4	0.5	0.6
July 2012	1.6	0.2	0.5	0.3	0.4	0.4	0.6
Annual Average	**1.8**	**0.7**	**0.7**	**0.6**	**1.5**	**1.4**	**0.9**

Results confirm low dust levels at all monitoring locations over the last three months.

The annual average at all sites remains well below the concentration threshold of $4g/m^2$/month.

PM_{10} Results

The annual averages for PM_{10} levels up until the end of July 2012 remain below the annual average limit of $30\mu g/m^3$, as follows:

Costa Vale: $14.58\mu g/m^3$
Roseberry: $9.55\mu g/m^3$

The 24hr criterion of $50\mu g/m^3$ was not breached at either monitor during the period.

The Glenroc monitor was re-located to the "Costa Vale" property on the 30th May 2012, in accordance with the new Environmental Protection Licence issued by the EPA, due to the extension approval.

Water Monitoring

Ground Water

Groundwater monitoring data obtained to date is presented in the following table. Standing Water Level (SWL) graphs are also provided.

Site	Date	SWL (m)	pH	Elect. Conduct µs/cm
MP1	September 08	21.14		
	13 October 08	13.87		
	23 October 08	13.83		
	29 October 08	14.10	7.6	2360
	23 January 09	14.69		
	22 June 09	13.55	7.8	2250
	15 September 09	13.63		
	30 November 09	13.57	7.85	2250
	25 February 10	13.58		
	3 May 10	13.5	8.06	2100
	26 Aug 10	13.42	8	1650
	8 November 10	13.35	7.36	2080
	2 March 11	13.23	7.24	1942
	3 May 11	13.24	7.45	1872
	Bore covered by production area			
MP2	September 08	13.53		
	13 October 08	12.98		
	23 October 08	13.56		
	29 October 08	13.20	7.3	4180
	23 January 09	14.60		
	22 June 09	13.70	7	5210
	15 September 09	13.88		
	30 November 09	13.90	6.99	4560
	25 February 10	14.14		
	3 May 10	14	7.37	4760
	26 August 10	13.48	7.07	5060
	8 November 10	12.04	6.72	3720
	7 March 11	10.49	6.98	4060
	3 May 11	11.1	6.95	4110
	30 August 11	11.54	7.27	5320
	4 November 11	11.78	6.8	3820
	21 March 12	8.17	7.01	4330
	23 May 12	8.43	7.32	4170
MP3	September 08	11.81		
	13 October 08	9.06		
	23 October 08	17.36		
	29 October 08	N/S Bore Dry		
	23 January 09	18.3 (mud)		
	22 June 09	N/S Bore Dry		
	15 September 09	Dry		

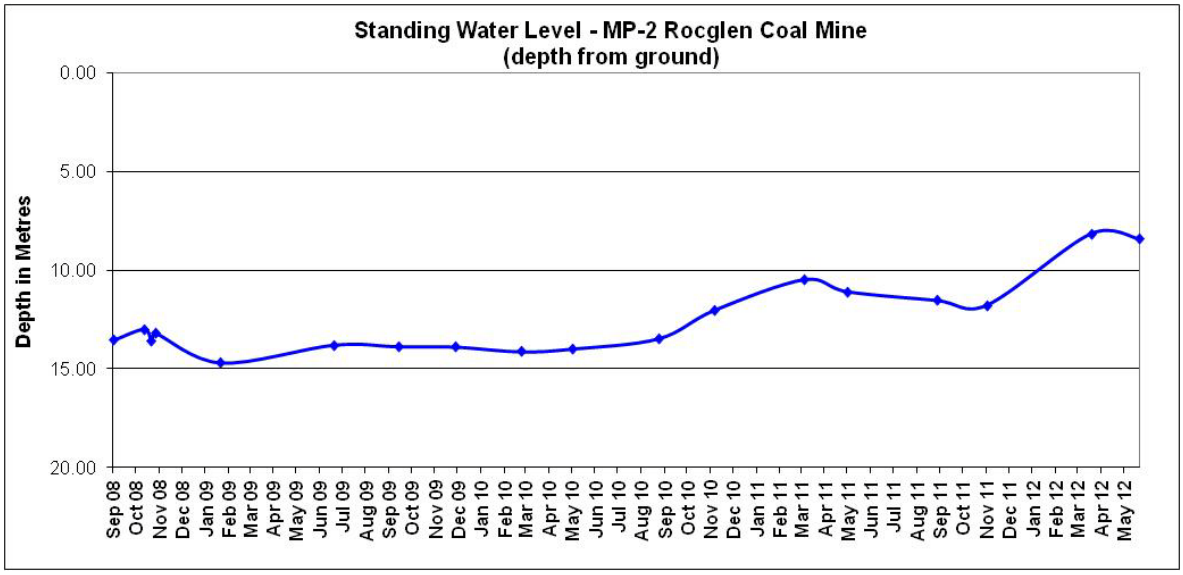
	30 November 09	Dry		
	25 February 10	Dry		
	3 May 10	Dry		
	26 August 10	Dry		
	8 November 10	Dry		
	7 March 11	Dry		
	3 May 11	Dry		
	30 August 11	Dry		
	4 November 11	Dry		
	20 March 12	Dry		
	23 May 12	Dry		
MP4	September 08	22.62		
	13 October 08	23.02		
	22 October 08	23.17		
	29 October 08	N/S Bore Dry		
	23 January 09	24.16 (mud)		
	22 June 09	N/S Bore Dry		
	15 September 09	Dry		
	30 November 09	Dry		
	25 February 10	Dry		
	3 May 10	Dry		
	26 August 10	Dry		
	8 November 10	Dry		
	7 March 11	Dry		
	3 May 11	Dry		
	30 August 10	Dry		
	4 November 11	Dry		
	20 March 12	Dry		
	23 May 12	Dry		
MP5	September 08	53.13		
	13 October 08	52.9		
	23 October 08	52.96		
	29 October 08	N/S Bore Dry		
	23 January 09	54.44 (mud)		
	22 June 09	N/S Bore Dry		
	15 September 09	Dry		
	30 November 09	54.4	Insufficient water to sample	
	25 February 10	54.48		
	3 May 10	54.6		
	26 August 10	54.69		
	8 November 10	54.88	Insufficient water to sample	
	2 March 11	54.85	Insufficient water to sample	
	3 May 11	54.8	Insufficient water to sample	
	30 August 11	54.89	Insufficient water to sample	
	4 November 11	54.78	Insufficient water to sample	
	20 March 12	54.85	Insufficient water to sample	
	23 May 12	54.41	Insufficient water to sample	
WB1	13 October 08	8.95		
	28 October 08	8.85	7.9	1996
	NO ACCESS			
	21 March 12	8.49	7.98	1640
	24 May 12	8.52	8.03	1537

WB2	September 08	16.87		
	13 October 08	16.49		
	28 October 08	16.60	7.7	3430
	23 January 09	17.00		
	22 June 09	16.65	7.2	3160
	15 September 09	16.45		
	6 January 09	16.45	7.51	2010
	25 February 10	16.48		
	3 May 10	16.56	7.84	2190
	26 August 10	19.54	7.4	3000
	8 November 10	17.00	7.3	2410
	2 March 11	16.96	7.31	2450
	3 May 11	16.53	7.55	2360
	30 August 11	16.36	7.87	2880
	4 November 11	16.44	8.4	2110
	20 March 12	16.42	8.46	2410
	23 May 12	16.14	8.56	2610
WB3	September 08	8.82		
	13 October 08	8.87		
	29 October 08	8.95	7.2	4480
	23 January 09	23.72		
	10 February 09	9.0		
	22 June 09	8.99	7.5	4380
	15 September 09	8.76		
	30 November 09	8.8	7.74	3890
	25 February 10	8.69		
	3 May 10	18.53	7.88	4000
	26 August 10	8.94	8.28	3260
	8 November 10	8.98	8.02	2360
	2 March 11	17.63	7.44	3770
	3 May 11	9.07	7.7	3790
	1 September 11	9.14	8.32	4860
	6 December 11	9.07	7.05	3650
	20 March 12	8.71	6.95	3720
	23 May 12	8.49	No pump	
WB4	Casing Sealed	No Access		
	26 August 10	Unable to dip	7.83	3650
	2 March 11	Unable to dip	7.03	3320
	3 May 11	Unable to dip	7.1	3160
	1 September 11	Unable to dip	7.15	3650
	6 December 11	Unable to dip	7.36	3590
	20 March 12	Unable to dip	7.32	3680
	24 May 12	Unable to dip	7.91	3580
WB5	September 08	4.23		
	13 October 08	12.92		
	28 October 08	12.85	7.2	8400
	23 January 09	13.1		
	22 June 09	No Access	6.6	7930
	15 September 09	No Access		
	30 November 09	22.93	7.06	4880
	25 February 10	13.14		
	3 May 10	12.97	7.43	6720
	26 August 10	13.01	7.47	7480

	8 November 10	14.06	7.86	5810
	2 March 11	20.99	6.45	5590
	3 May 11	12.7	6.8	5760
	30 August 11	12.7	7.85	7780
	4 November 11	12.79	7.9	5550
	20 March 12	10.26	7.82	6670
	23 May 12	9.06	8.17	6360
WB6	September 08	23.18		
	13 October 08	23.05		
	29 October 08	No Access		
	23 January 09	23.81		
	22 June 09	23.74	Unable to sample	
	15 September 09	23.83		
	30 November 09	24.02	No sample – bore equipped	
	25 February 10	25.05		
	3 May 10	23.71		
	26 August 10	23.47	Bore equipped	
	8 November 10	23.31	Bore equipped	
	7 March 11	22.74	Bore equipped	
	3 May 11	22.02	Bore equipped	
	30 August 11	22.55	Bore equipped	
	4 November 11	22.67	Bore equipped	
	20 March 12	21.72	Bore equipped	
	23 May 12	21.06	Bore equipped	
WB7	September 08	41.75		
	13 October 08	19.11		
	28 October 08	18.90	7.2	2730
	23 January 09	21.35		
	22 June 09		7.4	2690
	15 September 09	Bore equipped		
	30 November 09	Unable to dip	7.3	2260
	25 February 10	Unable to dip		
	3 May 10	15	7.45	2470
	26 August 10	25.91	Unable to sample – bore equipped	
	8 November 10	31.53	7.24	2240
	7 March 11	25.13	7.24	2230
	3 May 11	14.78	7.45	2130
	30 August 11	17.66	7.91	2750
	4 November 11	29.41	7.7	2080
	20 March 12	2.96*	7.41	3120
		*considered to be an incorrect reading		
	23 May 12	4.60	8.11	3070
WB8	September 08	No Access		
	13 October 08	No Access		
	29 October 08	No Access		
	23 January 09	46.4		
	22 June 09	32.75	8.2	2240
	15 September 09	43.38		
	30 November 09	Dry		
	25 February 10	49.32		
	3 May 10	32.59	Unable to Sample – pump over bore	
	26 August 10	32.23	Unable to Sample – pump over bore	
	9 November 10	32.14	Unable to Sample – pump over bore	

	7 March 11		Unable to Sample – gate locked	
	3 May 11		Unable to Sample – gate locked	
	1 September 11	31.77	Unable to Sample – pump over bore	
	6 December 11	31.58	Unable to Sample – pump over bore	
	21 March 12	31.43	Unable to Sample – pump over bore	
	24 May 12	31.03	Unable to Sample – pump over bore	
WB9	September 08	23.88		
	13 October 08	24.09		
	28 October 08	24.50	7.5	931
	23 January 09	24.27		
	22 June 09	23.99	7.9	1080
	15 September 09	23.94		
	30 November 09	24.05	7.14	1020
	25 February 10	25.58		
	3 May 10	24.26	Unable to Sample	
	26 August 10	24.59	7.72	1057
	9 November 10	24.34	Windmill over bore	
	7 March 11	26.7	7.44	1143
	3 May 11	25.26	7.6	1014
	30 August 11	24.36	7.92	1260
	4 November 11	24.58	7.7	937
	20 March 12	24.59	7.58	1126
	23 May 12	24.21	8.15	902
WB10	July 08	13.75		
	September 08	13.80		
	13 October 08	13.77		
	28 October 08	13.9	7.4	2235
	27 January 09	14.23		
	22 June 09	14.01	7	2220
	11 September 09	14.65		
	30 November 09	14.62	6.89	1690
	25 February 10	14.23		
	3 May 10	14.47	7.93	2010
	24 September 10	14.05	6.7	1833
	10 November 10	14.1	6.72	1905
	7 March 11	14.34	6.75	1910
	3 May 11	14.07	6.8	1685
	1 September 11	16.47	6.95	1745
	6 December 11	14.12	6.92	1780
	21 March 12	14.13	6.94	1880
	24 May 12	13.95	6.68	1902
WB11	July 08	18.11		
	September 08	18.61		
	13 October 08	18.13		
	28 October 08	18.4	7.5	1086
	27 January 09	18.73		
	22 June 09	18.1	8	880
	11 September 09	18.63		
	30 November 09	18.6	6.65	929
	25 February 10	18.47		
	3 May 10	18.24	8.37	921
	24 September 10	17.65	7.59	865
	10 November 10	17.49	7.49	867

	7 March 11	18.57	7.05	944
	3 May 11	17.34	7.25	867
	1 September 11	17.57	8.13	1200
	6 December 11	16.93	7.50	905
	21 March 12	16.15	7.93	910
	24 May 12	16.5	Pump over bore	
WB12	July 08	12.73		
	September 08	12.80		
	13 October 08	12.83		
	28 October 08	12.95	8.1	2152
	27 January 09	13.16		
	22 June 09	12.99	8	2070
	11 September 09	13.05		
	30 November 09	12.99	8.34	1640
	25 February 10	13.19		
	3 May 10	13.15	8.27	1390
	24 September 10	13.22	8.71	873
	10 November 10	13.13	7.07	891
	7 March 11	13.18	7.37	1867
	3 May 11	13.15	7.45	1657
	1 September 11	13.23	8.57	2130
	6 December 11	13.13	7.66	1390
	21 March 12	13.08	7.92	885
	24 May 12	13.14	7.19	2150
Production Bore	September 08	55.24		
	13 October 08	50.18		
	28 October 08	49.90	7.3	4030
	27 January 09	49.90		
	22 June 09	>50	7.1	3580
	27 August 09		7.3	3330
	30 November 09		7.2	3160
	25 February 10		Bore equipped	
	3 May 10		7.52	3310
	26 August 10	Bore Equipped	7.42	3340
	8 November 10	Bore Equipped	Pump not working	
	7 March 11	Bore Equipped	6.97	2880
	3 May 11	Bore Equipped	7	2930
	30 August 11	Bore Equipped	7.25	3800
	4 November 11	Bore Equipped	7.1	2790
	20 March 12	Bore Equipped	6.92	3380
	23 May 12	Bore Equipped	7.51	3330


Standing Water Level - MP-2 Rocglen Coal Mine
(depth from ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
Oct 09
Nov 09
Dec 09
Jan 10
Feb 10
Mar 10
Apr 10
May 10
Jun 10
Jul 10
Aug 10
Sep 10
Oct 10
Nov 10
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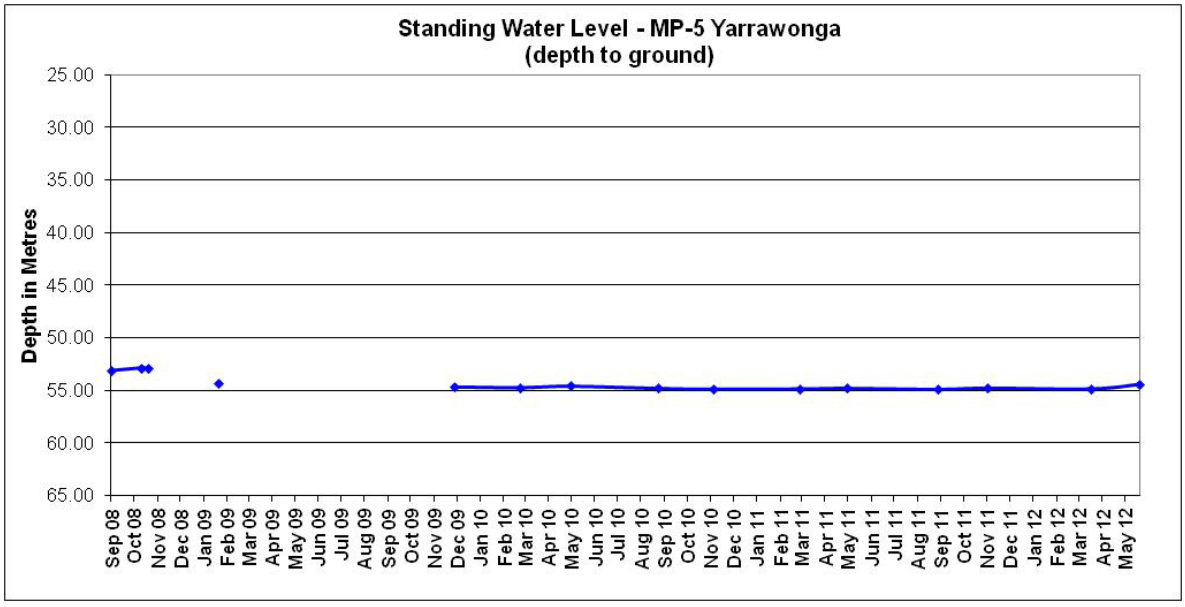
May 12


Standing Water Level - MP-5 Yarrawonga
(depth to ground)
Depth in Metres
25.00
30.00
35.00
40.00
45.00
50.00
55.00
60.00
65.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
Oct 09
Nov 09
Dec 09
Jan 10
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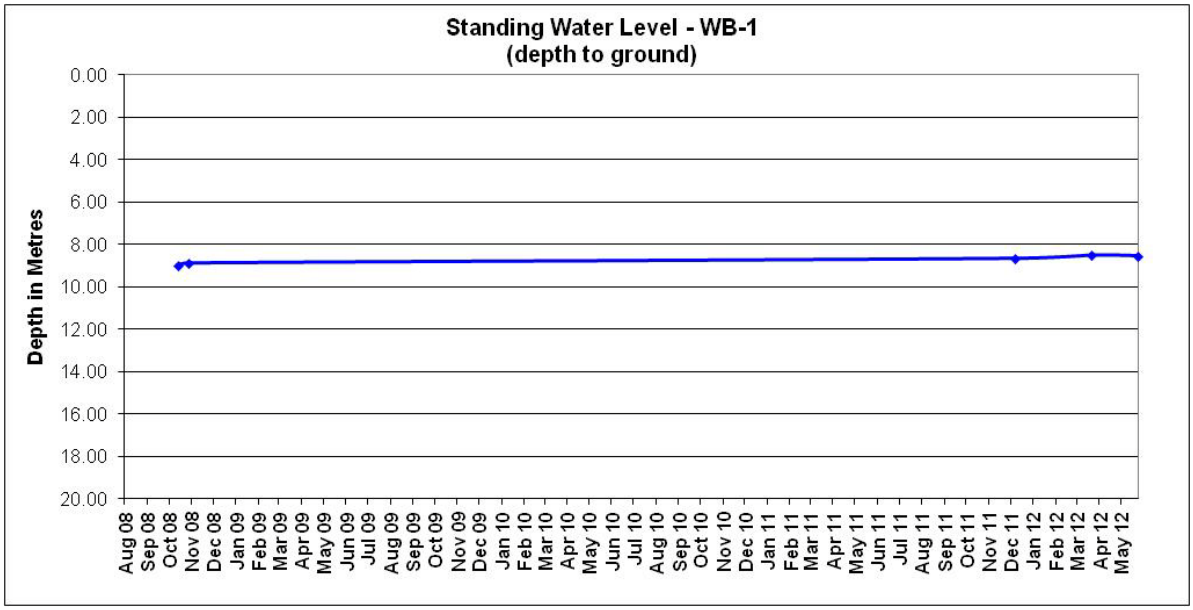
Mar 12
Apr 12
May 12


Standing Water Level - WB-1
(depth to ground)
Depth in Metres
0.00
2.00
4.00
6.00
8.00
10.00
12.00
14.00
16.00
18.00
20.00
Aug 08
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
Oct 09
Nov 09
Dec 09
Jan 10
Feb 10
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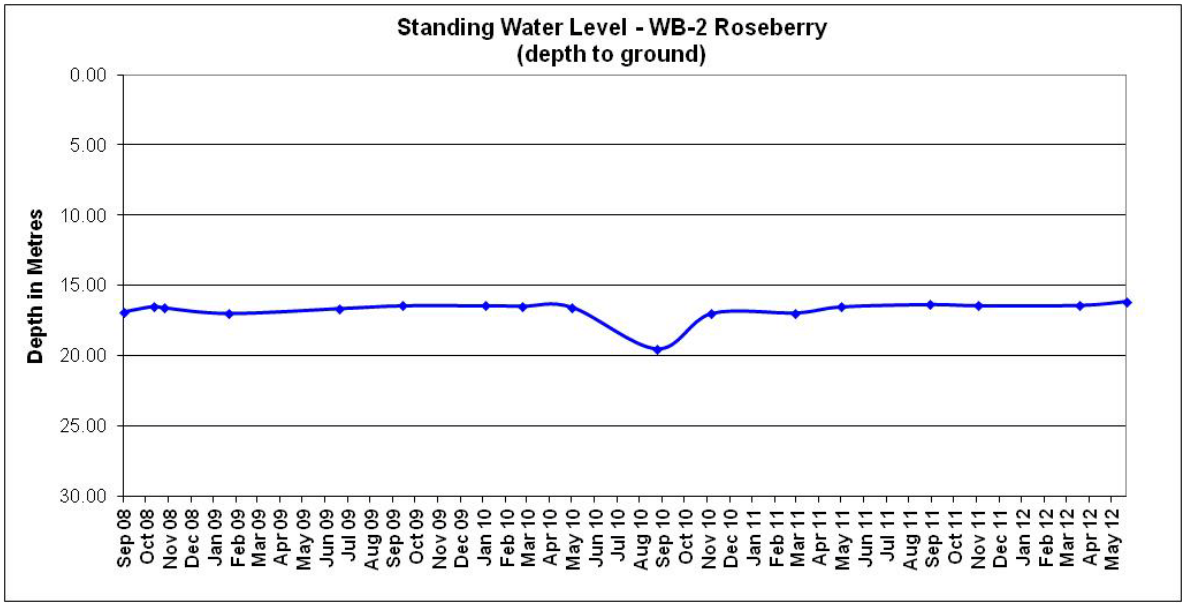
Apr 12
May 12


Standing Water Level - WB-2 Roseberry
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
30.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
Oct 09
Nov 09
Dec 09
Jan 10
Feb 10
Mar 10
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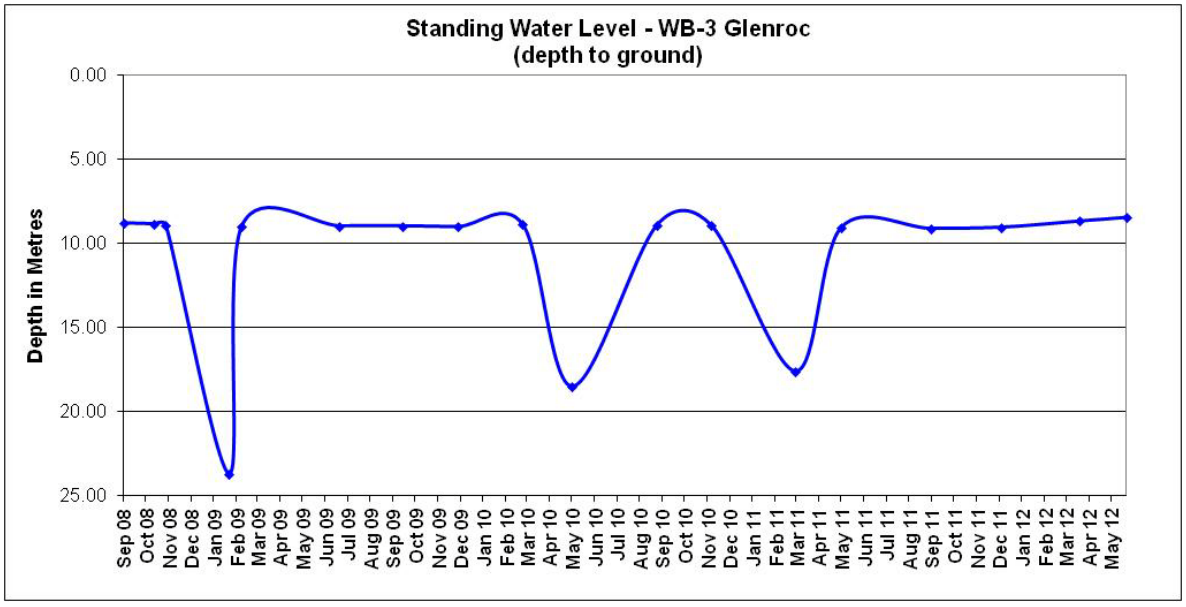
May 12


Standing Water Level - WB-3 Glenroc
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
Oct 09
Nov 09
Dec 09
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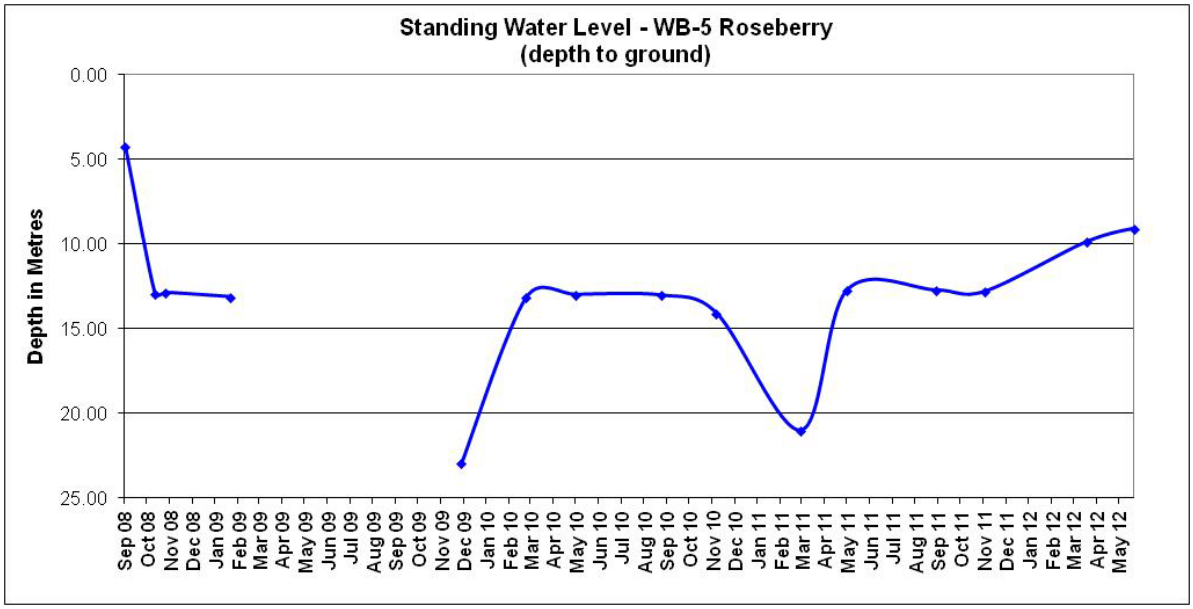
May 12


Standing Water Level - WB-5 Roseberry
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
Oct 09
Nov 09
Dec 09
Jan 10
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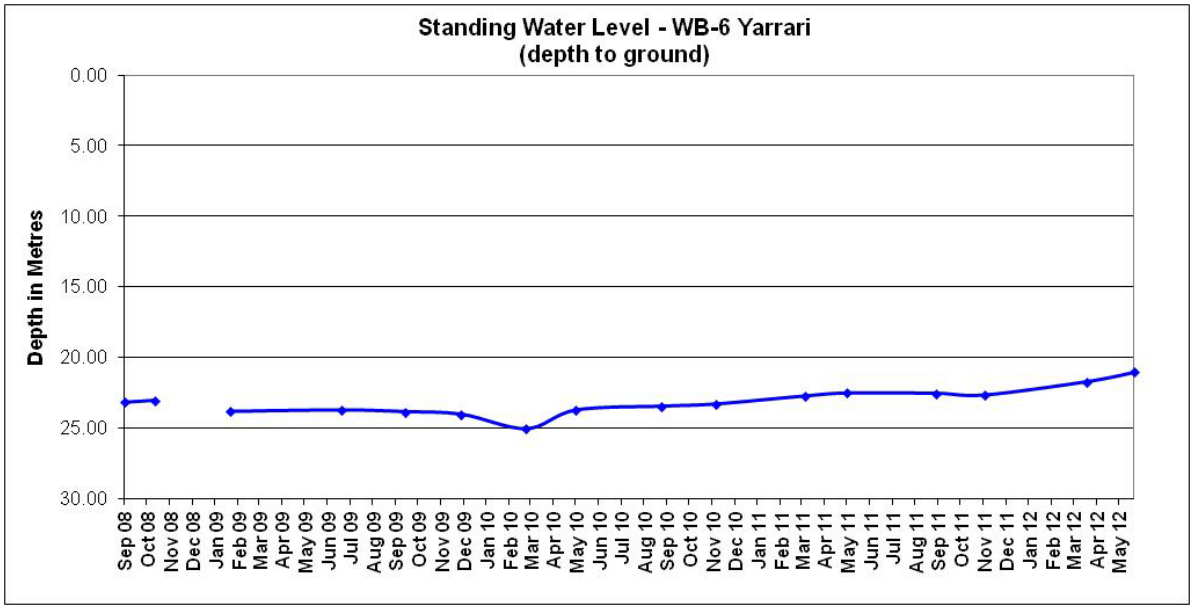
Standing Water Level - WB-6 Yarrari
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
30.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
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Sep 09
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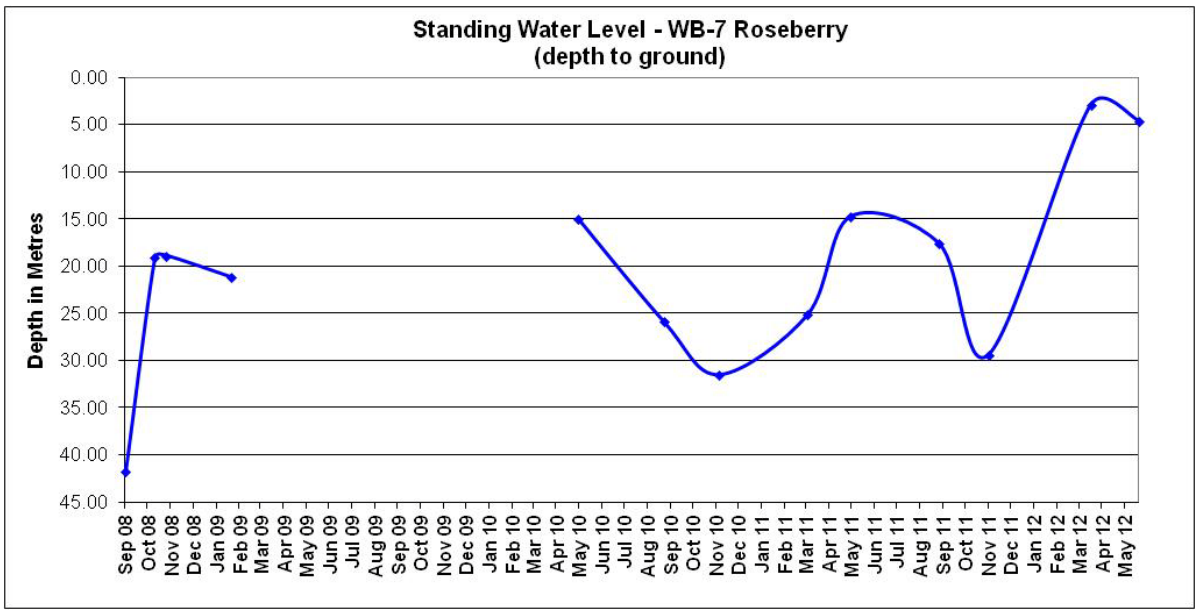
May 12


Standing Water Level - WB-7 Roseberry
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
30.00
35.00
40.00
45.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
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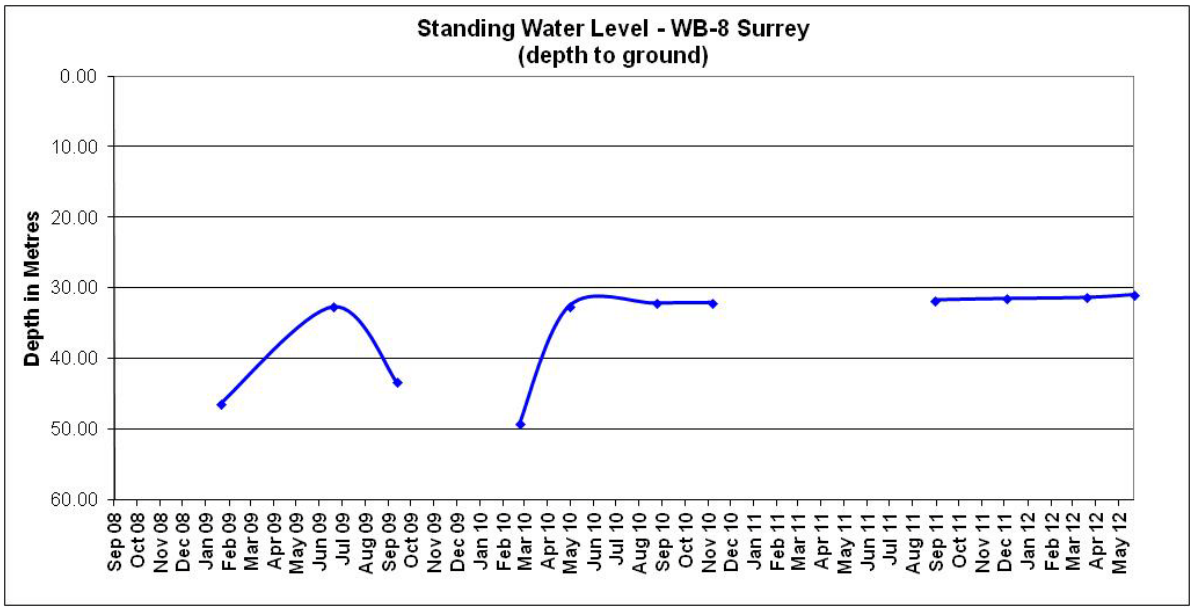
Standing Water Level - WB-8 Surrey
(depth to ground)
Depth in Metres
0.00
10.00
20.00
30.00
40.00
50.00
60.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
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Nov 09
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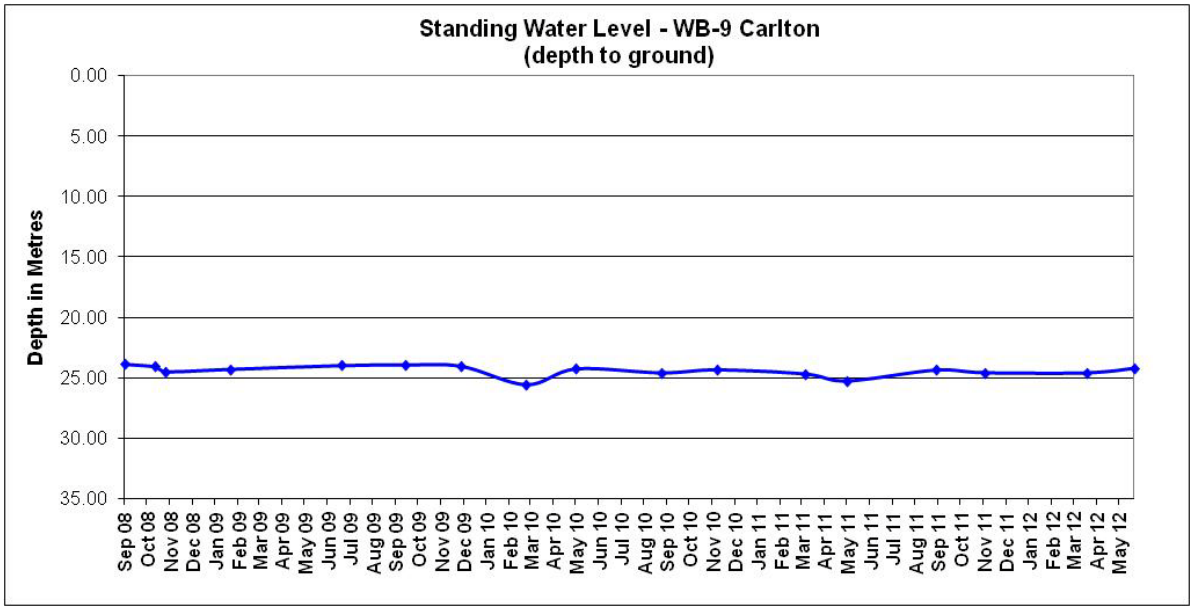
May 12


Standing Water Level - WB-9 Carlton
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
30.00
35.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
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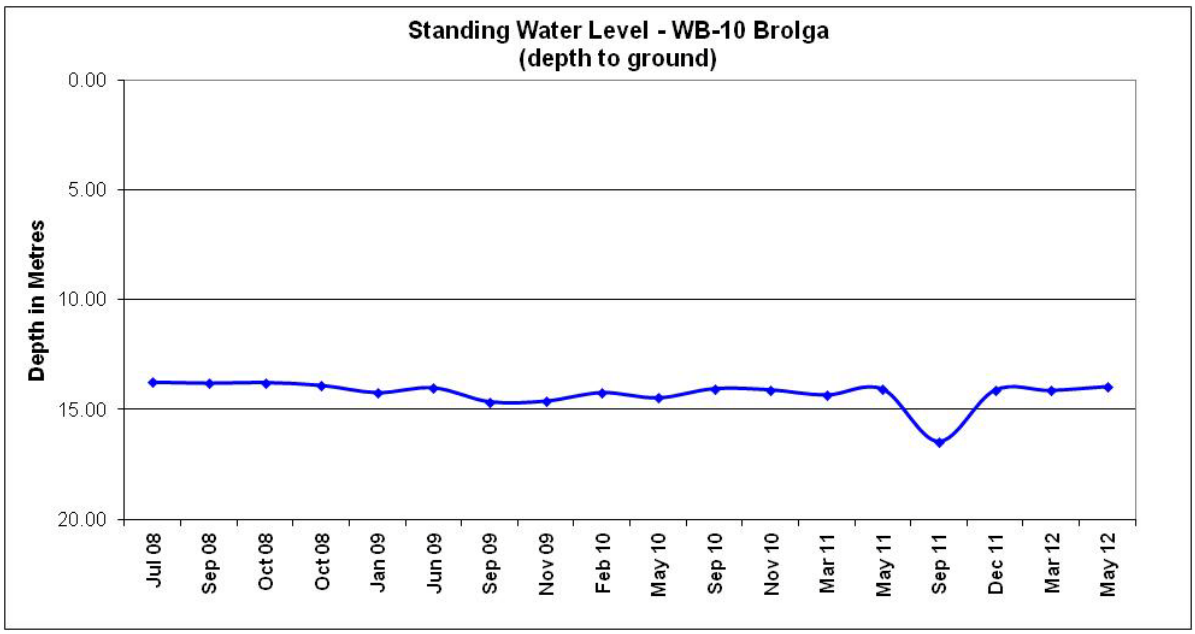
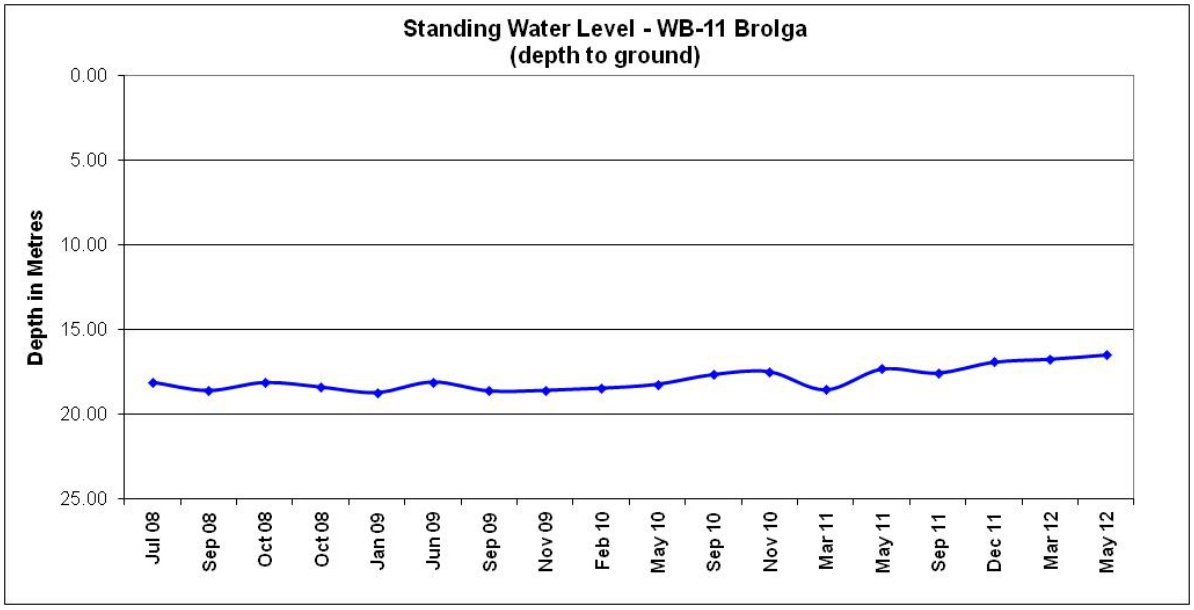
May 12


Standing Water Level - WB-10 Brolga
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
Jul 08
Sep 08
Oct 08
Oct 08
Jan 09
Jun 09
Sep 09
Nov 09
Feb 10
May 10
Sep 10
Nov 10
Mar 11
May 11
Sep 11
Dec 11
Mar 12
May 12


Standing Water Level - WB-11 Brolga
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
Jul 08
Sep 08
Oct 08
Oct 08
Jan 09
Jun 09
Sep 09
Nov 09
Feb 10
May 10
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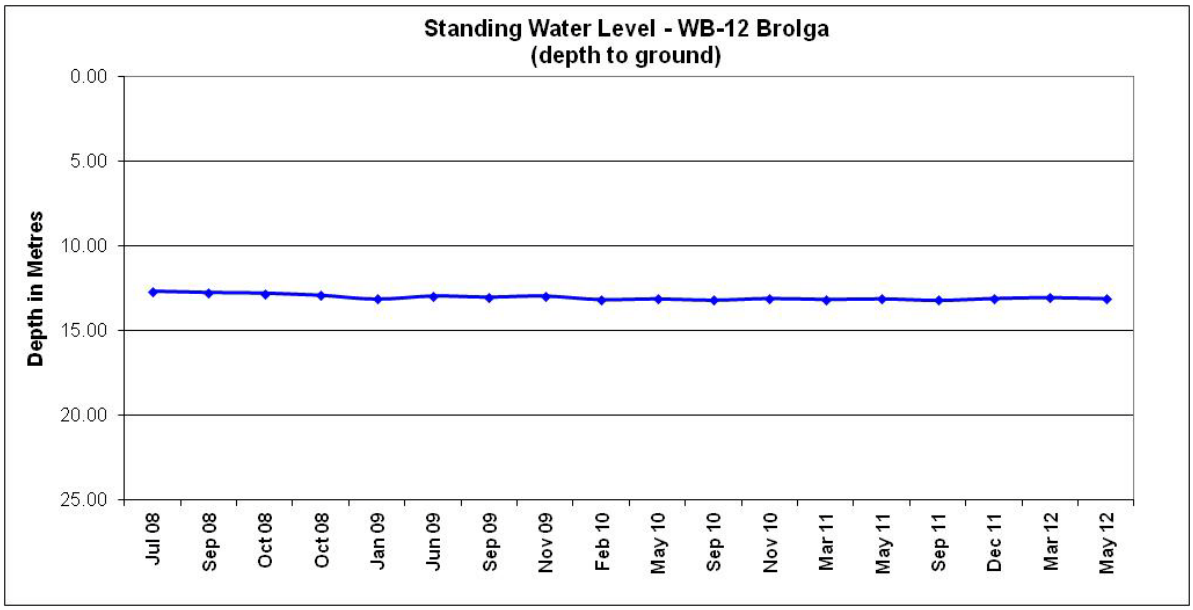
Dec 11
Mar 12
May 12



Standing water levels have remained relatively consistent since the last CCC with slight recharge showing in some monitoring bores. WB7 continues to show a fluctuating trend which is believed to be due to the use of the bore for stock watering purposes.

Surface Water

One discharge occurred at both the southern and northern discharge points on the 13th July 2012. Discharge water at the southern licence discharge point returned a TSS (Total Suspended Solids) of 372mg/L, while the northern discharge point returned a TSS of 274mg/L. However these discharges are not considered exceedances due to 45mm of rain falling in the preceding 5 days (as per the site's EPL 90%ile 5 day storm exceedance allowance for events greater than 38.4mm). All other EPL criteria were met for these discharges.

Complaints

One complaint was made to the EPA on the 20th June 2012 in relation to dust from Rocglen, Tarrawonga and Boggabri Coal mines. The complainant expressed concern regarding a plume/haze over the mines during the early morning. The EPA was provided with details of the dust mitigation works undertaken, including volumes of water used over both day and night shift. No further actions were required.

Rehabilitation

Rehabilitation on the western batter of the southern emplacement has shown good progress (Figure 1), with an additional 3000 tree seedlings planted on the area to complete the planting program. 240 reeds/sedges were planted in the sediment traps along the western boundary to assist in the filtration of dirty water. In preparation for rehabilitation of the southern face of this emplacement, fertiliser and chicken manure has been received and stockpiled ready for application in the coming months.

Figure 1 – Rehabilitation on western side of southern emplacement.

Minutes of Rocglen Coal Mine
Community Consultative Committee – Meeting #17

Meeting Held: Wednesday 14th November 2012

Venue: The meeting was held at the Rocglen Coal Mine Training Room

Commencement Time: 3:00pm

1. Present and Apologies

Present:
Mr Jason Conomos (Project Manager)
Mr Danny Young (Environmental Manager – Whitehaven)
Mr Tim Muldoon (Community Liaison Officer – Whitehaven)
Mr John Sturgess (Independent Chairperson)

Apologies:
Mr Warren Nicholls (Community Representative)
Mrs Jill Johnson (Environmental Officer – Whitehaven)
Mr Hans Allgayer (Gunnedah Shire Council Representative)

Absent:
Mrs Pam Burns (Community Representative)
Mr Rod Barnes (Community Representative)

In the absence of prior notice, the meeting continued as scheduled despite the absence of community representation at the meeting.

2. Previous Minutes

Minutes accepted as a true record on the motion of Danny Young and John Sturgess.

3. Business Arising from Previous Minutes

3.1. Danny Young confirmed that the retirement of credits from the Biobank was scheduled to occur the following week, which included a requirement to pay the up front in-perpetuity management costs to the Biobank Trust Fund. This will facilitate active management of the site with works expected to commence on fulfilling management plan requirements early next year.

3.2. Danny Young advised that works had started on clearing the line for fencing works on the boundary between “Roseglass” and “Yarrari” properties. Boundary fencing at this location is expected to be completed within the next few weeks. Works on the boundary between “Yarrari”/”Belah” and “Roseberry” is pending provision of management funds from the Biobank Trust Fund.

3.3. Danny Young advised that a meeting had been held with Rod Barnes at "Surrey" with a report provided outlining the findings of the review of the real time noise monitoring results from earlier in the year. It was explained that the monitor results indicated that mine related noise was identified at times at the "Surrey" property during the monitoring period, generally between 35-40dB. This was further confirmed following an attended noise monitoring event during September 2012 which recorded a noise level of 36dB (1dB exceedance of criteria). Actions to address the noise issue include the activation of the alert system on the real time monitor (activated last week on the monitor currently at the "Penryn" property). The option of considering a private agreement for noise related impacts was also discussed.

3.4. Danny Young advised that the Environmental Field Officer had been reviewing rubbish build up along Wean Road, in proximity to the mine site. There have been no recent complaints in relation to rubbish, and it was noted by John Sturgess that on travelling the road today, there did not appear to be any significant rubbish on the roadside.

3.5. Danny Young confirmed that a meeting had been held with Ed Wall of "Penryn" to discuss the real time noise monitoring results and provide a report on the outcomes. As a consequence of the meeting, the real time monitor has been re-established at "Penryn" and the alert system activated. To date there have been no noise alerts from the unit at the property.

4. Mine Progress Report

Jason Conomos advised that over the past 4 months (August to October) approximately 3.401 million BCM of overburden was moved and 438,000 tonnes of coal was mined at a strip ratio of approximately 7.7 to 1.

Rocglen has 43 permanent operators based on site, 15 permanent contract operators, with 8 staff/management.

Over the reporting period, the main issue at site has been the management of the large body of water in pit as a consequence of the rain events from November 2011 and February 2012. The bulk of this water has been managed by pumping it to the southern end of the pit away from active works, a proportion of water has also been pumped to the designated Pit Water Dam.

In the last week, there has been some highwall instability issues at the north-east end of the pit that are currently being resolved.

Extensive rehabilitation work has been ongoing at the southern end of the overburden emplacement. Additional works are planned on the northern emplacement over the next few months.

5. Review of Environmental Performance

Danny Young presented the environmental monitoring results which are attached in the environmental monitoring report, and include all complaints lodged over the reporting period.

6. General Business

Danny Young tabled a letter from Gunnedah Shire Council nominating Councillor Owen Hasler as the new Gunnedah Shire Council Representative to the Committee. Tim Muldoon indicated that as Mr Hasler is the new Mayor, it may be difficult for Mr Hasler to attend regular meetings. On this basis, Tim Muldoon is to confirm with Council if Mr Hasler is to remain as the nominated representative or if an alternate is to be nominated.

Tim Muldoon raised the current status of Whitehaven operations, including the merger with Aston Resources and that the Maules Creek Project was now a Whitehaven Project. Tim also confirmed the complete acquisition of Coalworks by Whitehaven, and the current arrangement that has placed the Vickery South Project in abeyance pending complete review and analysis by Whitehaven. It was also noted that Whitehaven was proceeding the lodgement of the EIS for the Vickery Project, but that any works associated with Vickery would be entirely dependent upon market conditions at the time of Project Approval. As part of the Vickery Project, it was intended to construct an overpass over the Kamilaroi Highway to remove the interaction of coal trucks with Highway traffic.

Danny Young advised of the current activity relating to the next stage of upgrade works to Wean Road. Design works have been completed and Council endorsement is currently being sought with regard to the design which will see a further tar seal of Wean Road from the current end of the tar seal to the shire boundary (approx 2.3km). Pending approval, it is expected works will commence late this year or early next year.

7. Next Meeting

The next meeting of the Rocglen CCC is scheduled for Wednesday 13th February 2013 at 3pm.

Meeting closed 3:30pm

J Sturgess
Chairman

Rocglen Coal Mine
Community Consultative Committee
Meeting #17

Environmental Monitoring Report
July – October 2012

Noise Monitoring

Attended noise monitoring was undertaken on the 25th, 26th, 27th and 28th September 2012, in accordance with the Rocglen Noise Monitoring Program and Environmental Protection Licence Guidelines (90 minutes during the day, 30 minutes during the evening and 60 minutes during the night and occur for 3 consecutive operating days) with results outlined below:

Table 1
RCM Operational Noise Monitoring Results – 25 September 2012 (day)

Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Identified Noise Sources
Retreat	3:23 pm	31	2 m/s SE	Birds & insects (31), **RCM barely audible**

Table 2
RCM Operational Noise Monitoring Results – 25 September 2012 (evening)

Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Identified Noise Sources
Surrey	6:20 pm	38	1.5 m/s SE	Insects (36), cattle (33), **RCM inaudible**
Retreat	7:45 pm	30	1.5 m/s SE	**RCM (29)**, insects (24)

Table 3
RCM Operational Noise Monitoring Results – 25 September 2012 (night)

Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Identified Noise Sources
Surrey	10:08 pm	36	1.5 m/s SE	**RCM (33)**, sheep (31), insects (25)
Retreat	12:30 am	34	1 m/s SE	Insects (33), **RCM (25)**

Table 4
RCM Operational Noise Monitoring Results – 26 September 2012 (day)

Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Identified Noise Sources
Surrey	2:45 pm	40	2 m/s NW	Birds & insects (40), sheep (20), **RCM (<20)**
Retreat	11:28 am	36	3 m/s NW	Birds & insects (36), **RCM inaudible**

Table 5 RCM Operational Noise Monitoring Results – 26 September 2012 (evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	9:23 pm	32	1 m/s SE	Insects (31), **RCM (24)**
Retreat	7:57 pm	35	1 m/s SE	Insects (35), **RCM (19)**

Table 6 RCM Operational Noise Monitoring Results – 26 September 2012 (night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	1:27 am	32	0.5 m/s SE	Insects (32), **RCM (20)**
Retreat	10:04 pm	28	0.5 m/s SE	Insects (28), **RCM (15)**

Table 7 RCM Operational Noise Monitoring Results – 27 September 2012 (day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	1:55 pm	40	3.5 m/s, NW	Birds, insects & sheep (40), **RCM (22)**
Retreat	10:40 am	39	4 m/s NW	Birds & insects (39), **RCM (19)**

Table 8 RCM Operational Noise Monitoring Results – 27 September 2012 (evening)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	7:23 pm	45	2 m/s NW	Sheep (45), **RCM (32)**
Retreat	6:04 pm	47	2 m/s NW	Insects (47), **RCM inaudible**

Table 9 RCM Operational Noise Monitoring Results – 27 September 2012 (night)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	12:17 am	39	0.5 m/s NW	Insects (38), **RCM (31)**
Retreat	10:05 pm	31	1 m/s NW	Frogs & insects (31), **RCM inaudible**

Table 10 RCM Operational Noise Monitoring Results – 28 September 2012 (day)				
Location	**Time**	**Total dB(A), Leq (15 min)**	**Wind speed/ direction**	**Identified Noise Sources**
Surrey	7:19 am	48	Calm	Birds & insects (48), **RCM (36)**

The results indicate that, under the operational and atmospheric conditions at the time, noise emissions from the mine exceeded the criterion of 35 dB(A) at the "Surrey" monitoring location, recording 36 dB(A) during the day period on the 28th September. The exceedance was reported to The Department of Planning and Infrastructure, The Environmental Protection Authority and the landholder.

In addition to the operational noise, the noise from the mine must not exceed 45 dB(A) L1 (1 min) between the hours of 10 pm and 7 am. This is to minimise the potential for sleep disturbance as a result of individual loud noises from the mine. During the night time measurement circuit the L1 (1 min) noise from the mine did not exceed 45 dB(A) at any monitoring location as shown below:

Table 11
RCM Sleep Disturbance Monitoring Results – 25 September 2012 (night)

Location	Time	dB(A),L1 (1 min)	Wind speed/ direction
Surrey	12:17 am	35	1.5 m/s SE
Retreat	10:05 pm	28	1 m/s SE

Table 12
RCM Sleep Disturbance Monitoring Results – 26 September 2012 (night)

Location	Time	dB(A),L1 (1 min)	Wind speed/ direction
Surrey	1:27 am	<25	0.5 m/s SE
Retreat	10:04 pm	<20	0.5 m/s SE

Table 13
RCM Sleep Disturbance Monitoring Results – 27 September 2012 (night)

Location	Time	dB(A),L1 (1 min)	Wind speed/ direction
Surrey	10:08 pm	40	0.5 m/s NW
Retreat	12:30 am	n/a	1 m/s NW

Rocglen's real time noise monitor is currently located at the "Penryn" property gathering noise data for assessment. Procedures are being developed for the use of the monitors by operations.

Blast Monitoring

Since the first shot there have been 116 blasts (until the end of October). All blasts during the monitoring period were compliant within the limits of 115dBL and 5mm/s.

Air Quality

Deposited Dust Results

The deposited dust results (g/m^2/month) obtained for the site over the last 12 months are as follows:

Air Quality (Dust Deposition) Results

Month	BD2 - Glenroc	BD3 - Belah	BD4 - Surrey	BD5 - Stratford	BD6 - Roseberry	BD7 - Roseglass	BD8 - Yarrawonga
November 2011	1.6	1.1	0.5	0.9	8.0	1.1	1.3
December 2011	1.1	0.7	0.7	1.2	2.0	1.2	1.0
January 2012	2.0	0.6	0.8	0.9	0.8	0.4	0.6
February 2012	1.1	0.2	0.6	0.4	0.3	1.4	0.6
March 2012	1.3	1.9	1.6	1.2	1.0	4.9	1.2
April 2012	5.6	0.6	1.1	0.7	0.5	4.2	1.8
May 2012	2	1	1.2	0.6	0.8	0.8	0.9
June 2012	1.6	0.4	0.5	0.5	0.4	0.5	0.6
July 2012	1.6	0.2	0.5	0.3	0.4	0.4	0.6
August 2012	0.7	0.5	1.5	0.8	1.6	0.7	1.3
September 2012	2.1	1.8	0.7	1.4	2.3	1.7	1.5
October 2012	2.5	1.1	0.9	0.7	0.9	0.7	1.2
Annual Average	**1.6**	**0.8**	**0.8**	**0.8**	**1.6**	**1.5**	**1.0**

Results confirm low dust levels at all monitoring locations over the last three months.

The annual average at all sites remains well below the concentration threshold of 4g/m^2/month.

PM_{10} Results

The annual averages for PM_{10} levels up until the end of October 2012 remain below the annual average limit of 30µg/m^3, as follows:

Costa Vale: 15.27µg/m^3
Roseberry: 10.18µg/m^3

The 24hr criterion of 50µg/m^3 was breached at the Costavale monitor during September, recording 51.3ug/m^3. This was due to extremely dry and windy conditions in the region. Since this time, the monitor has returned to levels within compliance limits. As the Costavale monitor is no longer listed under the EPL, being on Whitehaven owned property, the concentration criteria does not apply.

Water Monitoring

Ground Water

Groundwater monitoring data obtained to date is presented in the following table. Standing Water Level (SWL) graphs are also provided.

Site	Date	SWL (m)	pH	Elect. Conduct µs/cm
MP2	September 08	13.53		
	13 October 08	12.98		
	23 October 08	13.56		
	29 October 08	13.20	7.3	4180
	23 January 09	14.60		
	22 June 09	13.70	7	5210
	15 September 09	13.88		
	30 November 09	13.90	6.99	4560
	25 February 10	14.14		
	3 May 10	14	7.37	4760
	26 August 10	13.48	7.07	5060
	8 November 10	12.04	6.72	3720
	7 March 11	10.49	6.98	4060
	3 May 11	11.1	6.95	4110
	30 August 11	11.54	7.27	5320
	4 November 11	11.78	6.8	3820
	21 March 12	8.17	7.01	4330
	23 May 12	8.43	7.32	4170
	27 August 12	8.71	7.16	4670
MP3	September 08	11.81		
	13 October 08	9.06		
	23 October 08	17.36		
	29 October 08	N/S Bore Dry		
	23 January 09	18.3 (mud)		
	22 June 09	N/S Bore Dry		
	15 September 09	Dry		
	30 November 09	Dry		
	25 February 10	Dry		
	3 May 10	Dry		
	26 August 10	Dry		
	8 November 10	Dry		
	7 March 11	Dry		
	3 May 11	Dry		
	30 August 11	Dry		
	4 November 11	Dry		
	20 March 12	Dry		
	23 May 12	Dry		
	27 August 12	Dry		
MP4	September 08	22.62		
	13 October 08	23.02		
	22 October 08	23.17		
	29 October 08	N/S Bore Dry		
	23 January 09	24.16 (mud)		
	22 June 09	N/S Bore Dry		
	15 September 09	Dry		
	30 November 09	Dry		

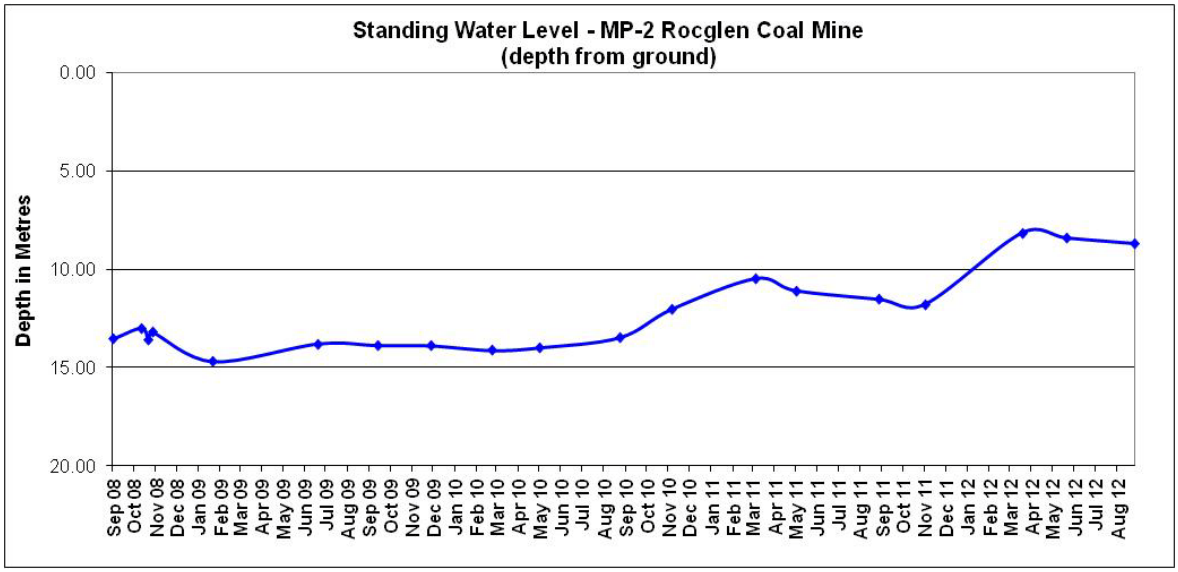
	25 February 10	Dry		
	3 May 10	Dry		
	26 August 10	Dry		
	8 November 10	Dry		
	7 March 11	Dry		
	3 May 11	Dry		
	30 August 10	Dry		
	4 November 11	Dry		
	20 March 12	Dry		
	23 May 12	Dry		
	27 August 12	Dry		
MP5	September 08	53.13		
	13 October 08	52.9		
	23 October 08	52.96		
	29 October 08	N/S Bore Dry		
	23 January 09	54.44 (mud)		
	22 June 09	N/S Bore Dry		
	15 September 09	Dry		
	30 November 09	54.4	Insufficient water to sample	
	25 February 10	54.48		
	3 May 10	54.6		
	26 August 10	54.69		
	8 November 10	54.88	Insufficient water to sample	
	2 March 11	54.85	Insufficient water to sample	
	3 May 11	54.8	Insufficient water to sample	
	30 August 11	54.89	Insufficient water to sample	
	4 November 11	54.78	Insufficient water to sample	
	20 March 12	54.85	Insufficient water to sample	
	23 May 12	54.41	Insufficient water to sample	
	28 August 12	55.43	Insufficient water to sample	
WB1	13 October 08	8.95		
	28 October 08	8.85	7.9	1996
	NO ACCESS			
	21 March 12	8.49	7.98	1640
	24 May 12	8.52	8.03	1537
	27 August 12	7.82	No sample available	
WB2	September 08	16.87		
	13 October 08	16.49		
	28 October 08	16.60	7.7	3430
	23 January 09	17.00		
	22 June 09	16.65	7.2	3160
	15 September 09	16.45		
	6 January 09	16.45	7.51	2010
	25 February 10	16.48		
	3 May 10	16.56	7.84	2190
	26 August 10	19.54	7.4	3000
	8 November 10	17.00	7.3	2410
	2 March 11	16.96	7.31	2450
	3 May 11	16.53	7.55	2360
	30 August 11	16.36	7.87	2880
	4 November 11	16.44	8.4	2110
	20 March 12	16.42	8.46	2410
	23 May 12	16.14	8.56	2610
	27 August 12	16.32	7.57	2240

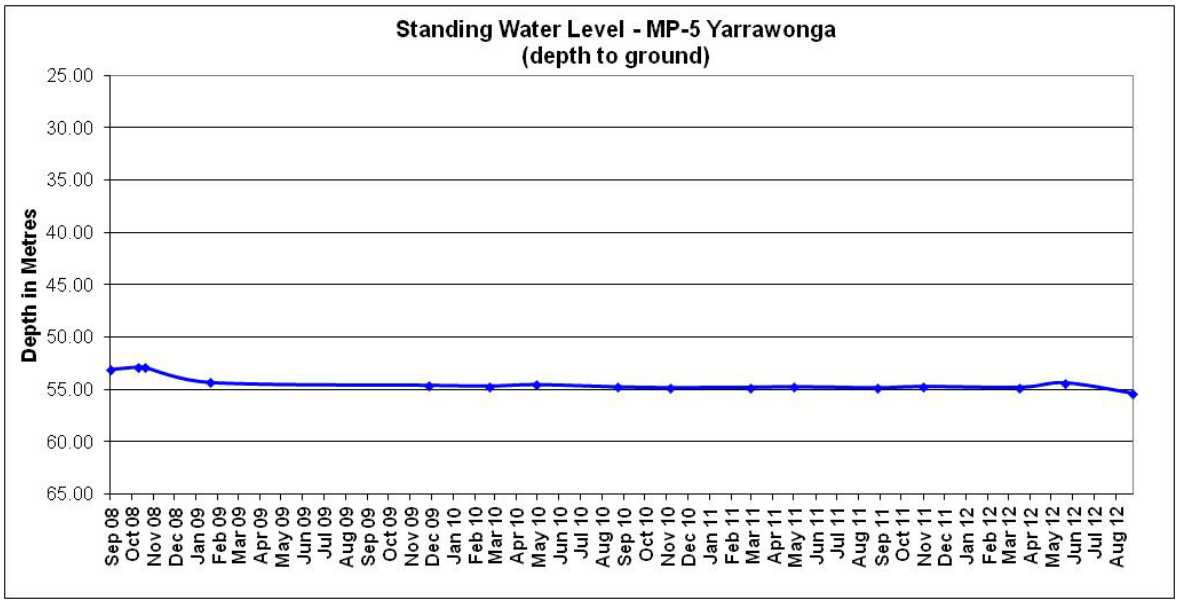
WB3	September 08	8.82		
	13 October 08	8.87		
	29 October 08	8.95	7.2	4480
	23 January 09	23.72		
	10 February 09	9.0		
	22 June 09	8.99	7.5	4380
	15 September 09	8.76		
	30 November 09	8.8	7.74	3890
	25 February 10	8.69		
	3 May 10	18.53	7.88	4000
	26 August 10	8.94	8.28	3260
	8 November 10	8.98	8.02	2360
	2 March 11	17.63	7.44	3770
	3 May 11	9.07	7.7	3790
	1 September 11	9.14	8.32	4860
	6 December 11	9.07	7.05	3650
	20 March 12	8.71	6.95	3720
	23 May 12	8.49	No pump	
	27 August 12	8.32	No pump	
WB4	Casing Sealed	No Access		
	26 August 10	Unable to dip	7.83	3650
	2 March 11	Unable to dip	7.03	3320
	3 May 11	Unable to dip	7.1	3160
	1 September 11	Unable to dip	7.15	3650
	6 December 11	Unable to dip	7.36	3590
	20 March 12	Unable to dip	7.32	3680
	24 May 12	Unable to dip	7.91	3580
	28 August 12	Unable to dip	No sample	
WB5	September 08	4.23		
	13 October 08	12.92		
	28 October 08	12.85	7.2	8400
	23 January 09	13.1		
	22 June 09	No Access	6.6	7930
	15 September 09	No Access		
	30 November 09	22.93	7.06	4880
	25 February 10	13.14		
	3 May 10	12.97	7.43	6720
	26 August 10	13.01	7.47	7480
	8 November 10	14.06	7.86	5810
	2 March 11	20.99	6.45	5590
	3 May 11	12.7	6.8	5760
	30 August 11	12.7	7.85	7780
	4 November 11	12.79	7.9	5550
	20 March 12	10.26	7.82	6670
	23 May 12	9.06	8.17	6360
	27 August 12	12.5	8.19	6930
WB6	September 08	23.18		
	13 October 08	23.05		
	29 October 08	No Access		
	23 January 09	23.81		
	22 June 09	23.74	Unable to sample	
	15 September 09	23.83		
	30 November 09	24.02	No sample – bore equipped	
	25 February 10	25.05		
	3 May 10	23.71		

	26 August 10	23.47	Bore equipped	
	8 November 10	23.31	Bore equipped	
	7 March 11	22.74	Bore equipped	
	3 May 11	22.02	Bore equipped	
	30 August 11	22.55	Bore equipped	
	4 November 11	22.67	Bore equipped	
	20 March 12	21.72	Bore equipped	
	23 May 12	21.06	Bore equipped	
	27 August 12	20.62	Bore equipped	
WB7	September 08	41.75		
	13 October 08	19.11		
	28 October 08	18.90	7.2	2730
	23 January 09	21.35		
	22 June 09		7.4	2690
	15 September 09	Bore equipped		
	30 November 09	Unable to dip	7.3	2260
	25 February 10	Unable to dip		
	3 May 10	15	7.45	2470
	26 August 10	25.91	Unable to sample – bore equipped	
	8 November 10	31.53	7.24	2240
	7 March 11	25.13	7.24	2230
	3 May 11	14.78	7.45	2130
	30 August 11	17.66	7.91	2750
	4 November 11	29.41	7.7	2080
	20 March 12	2.96*	7.41	3120
		*considered to be an incorrect reading		
	23 May 12	4.60	8.11	3070
	27 August 12	27.43	7.4	2840
WB8	September 08	No Access		
	13 October 08	No Access		
	29 October 08	No Access		
	23 January 09	46.4		
	22 June 09	32.75	8.2	2240
	15 September 09	43.38		
	30 November 09	Dry		
	25 February 10	49.32		
	3 May 10	32.59	Unable to Sample – pump over bore	
	26 August 10	32.23	Unable to Sample – pump over bore	
	9 November 10	32.14	Unable to Sample – pump over bore	
	7 March 11		Unable to Sample – gate locked	
	3 May 11		Unable to Sample – gate locked	
	1 September 11	31.77	Unable to Sample – pump over bore	
	6 December 11	31.58	Unable to Sample – pump over bore	
	21 March 12	31.43	Unable to Sample – pump over bore	
	24 May 12	31.03	Unable to Sample – pump over bore	
	28 August 12	31.43	Unable to Sample – pump over bore	
WB9	September 08	23.88		
	13 October 08	24.09		
	28 October 08	24.50	7.5	931
	23 January 09	24.27		
	22 June 09	23.99	7.9	1080
	15 September 09	23.94		
	30 November 09	24.05	7.14	1020
	25 February 10	25.58		
	3 May 10	24.26	Unable to Sample	

	26 August 10	24.59	7.72	1057
	9 November 10	24.34	Windmill over bore	
	7 March 11	26.7	7.44	1143
	3 May 11	25.26	7.6	1014
	30 August 11	24.36	7.92	1260
	4 November 11	24.58	7.7	937
	20 March 12	24.59	7.58	1126
	23 May 12	24.21	8.15	902
	27 August 12	23.99	8.27	1010
WB10	July 08	13.75		
	September 08	13.80		
	13 October 08	13.77		
	28 October 08	13.9	7.4	2235
	27 January 09	14.23		
	22 June 09	14.01	7	2220
	11 September 09	14.65		
	30 November 09	14.62	6.89	1690
	25 February 10	14.23		
	3 May 10	14.47	7.93	2010
	24 September 10	14.05	6.7	1833
	10 November 10	14.1	6.72	1905
	7 March 11	14.34	6.75	1910
	3 May 11	14.07	6.8	1685
	1 September 11	16.47	6.95	1745
	6 December 11	14.12	6.92	1780
	21 March 12	14.13	6.94	1880
	24 May 12	13.95	6.68	1902
	4 September 12	14.03	6.92	1870
WB11	July 08	18.11		
	September 08	18.61		
	13 October 08	18.13		
	28 October 08	18.4	7.5	1086
	27 January 09	18.73		
	22 June 09	18.1	8	880
	11 September 09	18.63		
	30 November 09	18.6	6.65	929
	25 February 10	18.47		
	3 May 10	18.24	8.37	921
	24 September 10	17.65	7.59	865
	10 November 10	17.49	7.49	867
	7 March 11	18.57	7.05	944
	3 May 11	17.34	7.25	867
	1 September 11	17.57	8.13	1200
	6 December 11	16.93	7.50	905
	21 March 12	16.15	7.93	910
	24 May 12	16.5	Pump over bore	
	4 September 12	16.17	Pump over bore	
WB12	July 08	12.73		
	September 08	12.80		
	13 October 08	12.83		
	28 October 08	12.95	8.1	2152
	27 January 09	13.16		
	22 June 09	12.99	8	2070
	11 September 09	13.05		
	30 November 09	12.99	8.34	1640

	25 February 10	13.19		
	3 May 10	13.15	8.27	1390
	24 September 10	13.22	8.71	873
	10 November 10	13.13	7.07	891
	7 March 11	13.18	7.37	1867
	3 May 11	13.15	7.45	1657
	1 September 11	13.23	8.57	2130
	6 December 11	13.13	7.66	1390
	21 March 12	13.08	7.92	885
	24 May 12	13.14	7.19	2150
	4 September 12	13.08	7.3	2150
Production Bore	September 08	55.24		
	13 October 08	50.18		
	28 October 08	49.90	7.3	4030
	27 January 09	49.90		
	22 June 09	>50	7.1	3580
	27 August 09		7.3	3330
	30 November 09		7.2	3160
	25 February 10		Bore equipped	
	3 May 10		7.52	3310
	26 August 10	Bore Equipped	7.42	3340
	8 November 10	Bore Equipped	Pump not working	
	7 March 11	Bore Equipped	6.97	2880
	3 May 11	Bore Equipped	7	2930
	30 August 11	Bore Equipped	7.25	3800
	4 November 11	Bore Equipped	7.1	2790
	20 March 12	Bore Equipped	6.92	3380
	23 May 12	Bore Equipped	7.51	3330
	27 August 2012	Bore Equipped	7.11	3390
Surrey No.2	25 February 2010	38.13		
	26 August 2010	34.66	7.25	3140
	9 November 2010	34.92	6.92	2380
	7 March 2011	35.66	7.15	3180
	1 September 2011	35.11	7.97	3320
	21 March 2012	34.49	7.88	1630
	24 May 2012	34.59	7.2	2790
	28 August 2012	34.29	7.15	3090




Standing Water Level - MP-5 Yarrawonga
(depth to ground)
Depth in Metres
25.00
30.00
35.00
40.00
45.00
50.00
55.00
60.00
65.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
Aug 09
Sep 09
Oct 09
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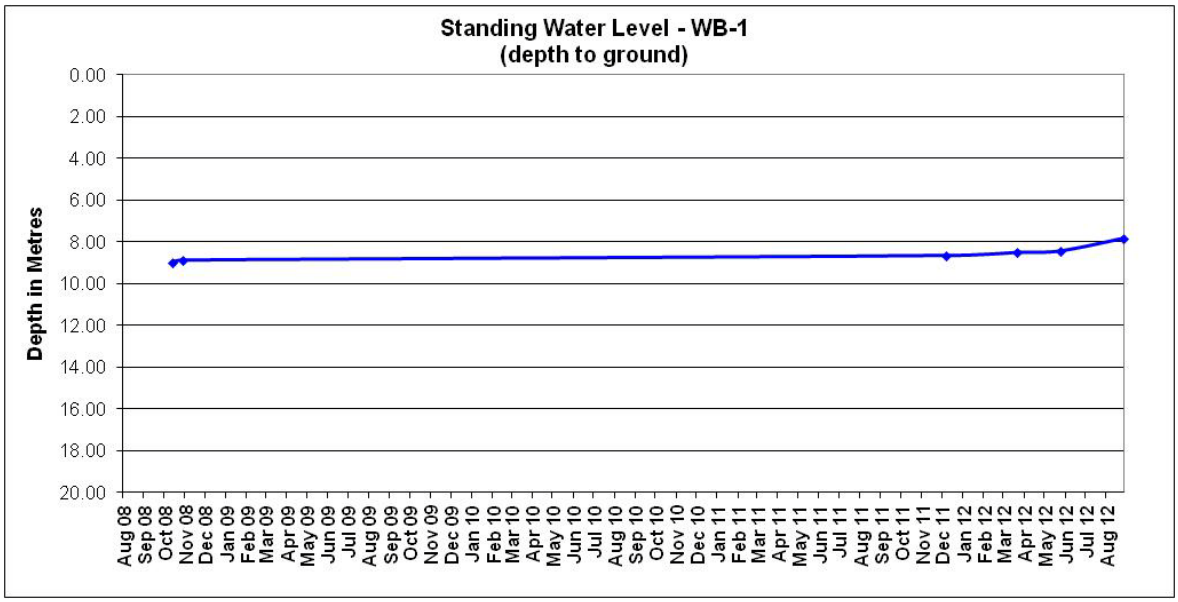
Aug 12


Standing Water Level - WB-1
(depth to ground)
Depth in Metres
0.00
2.00
4.00
6.00
8.00
10.00
12.00
14.00
16.00
18.00
20.00
Aug 08
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
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Aug 09
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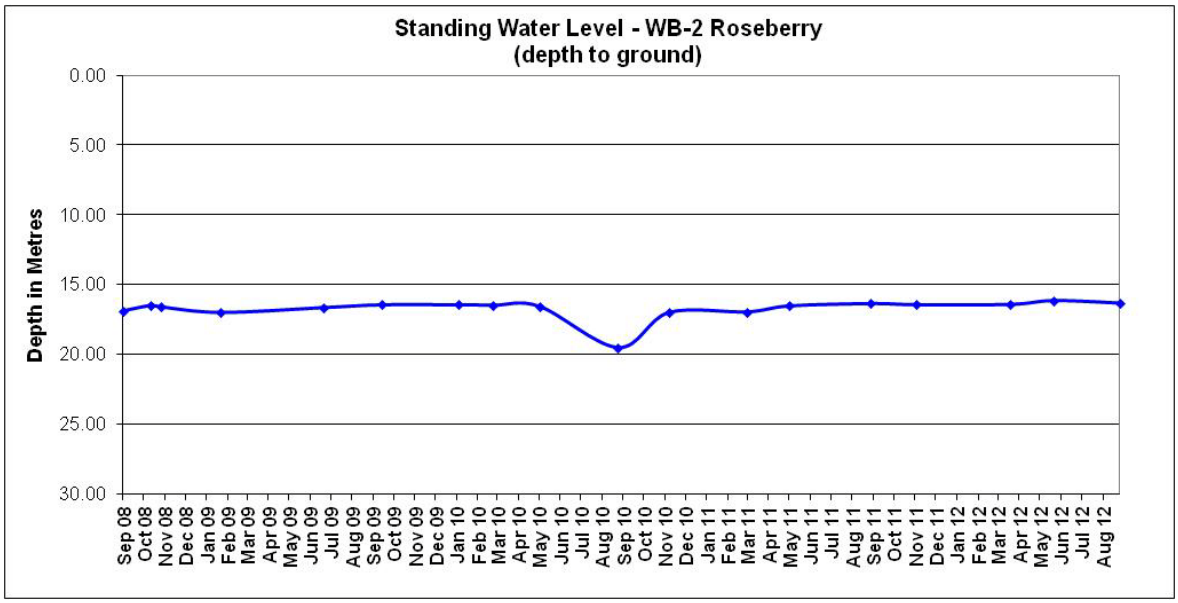
Aug 12


Standing Water Level - WB-2 Roseberry
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
30.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
Jul 09
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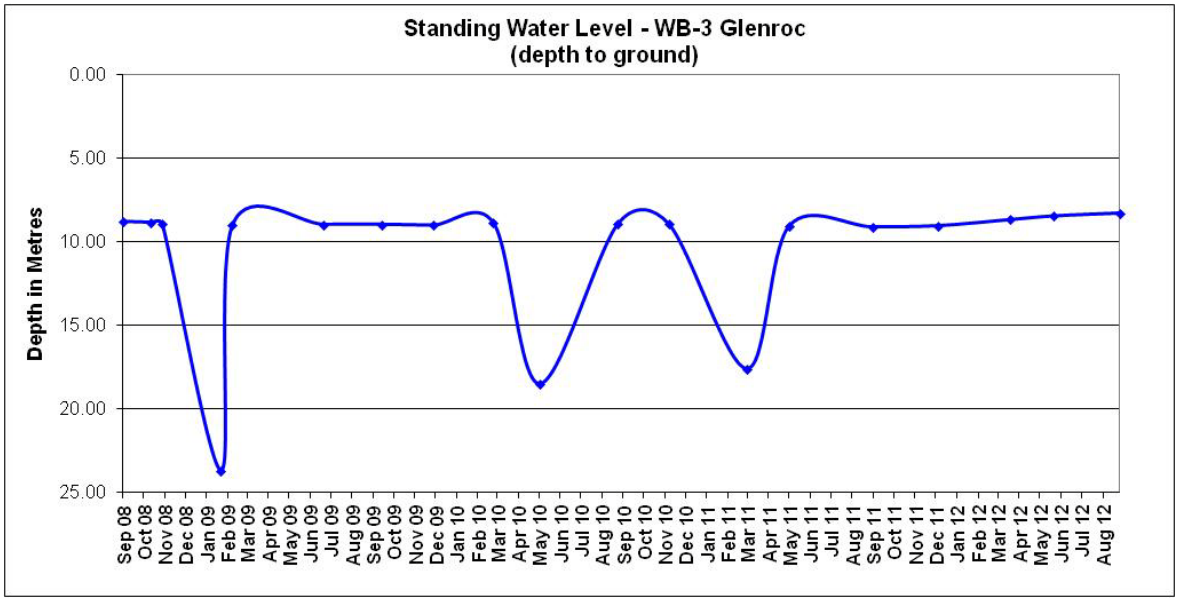
Aug 12


Standing Water Level - WB-3 Glenroc
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
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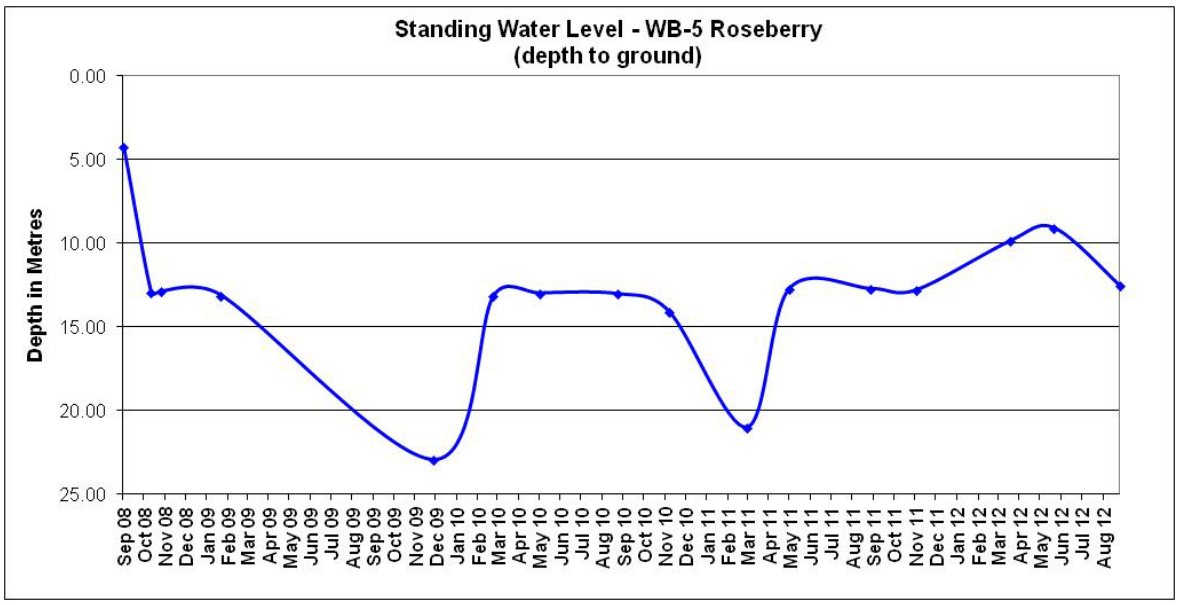
Standing Water Level - WB-5 Roseberry
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
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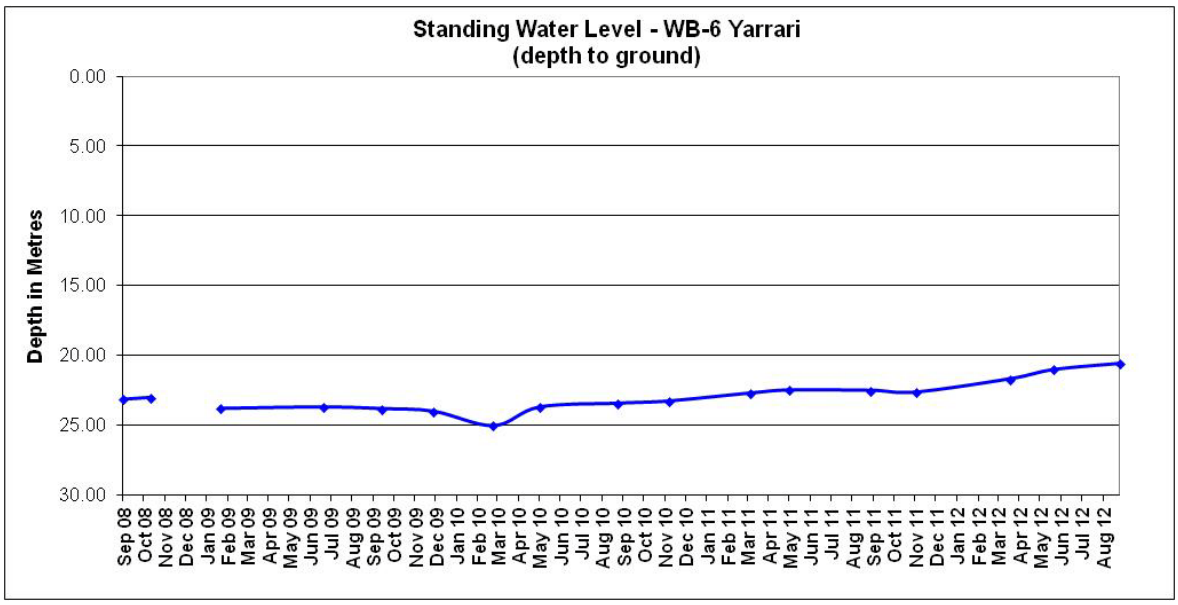
Standing Water Level - WB-6 Yarrari
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
30.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
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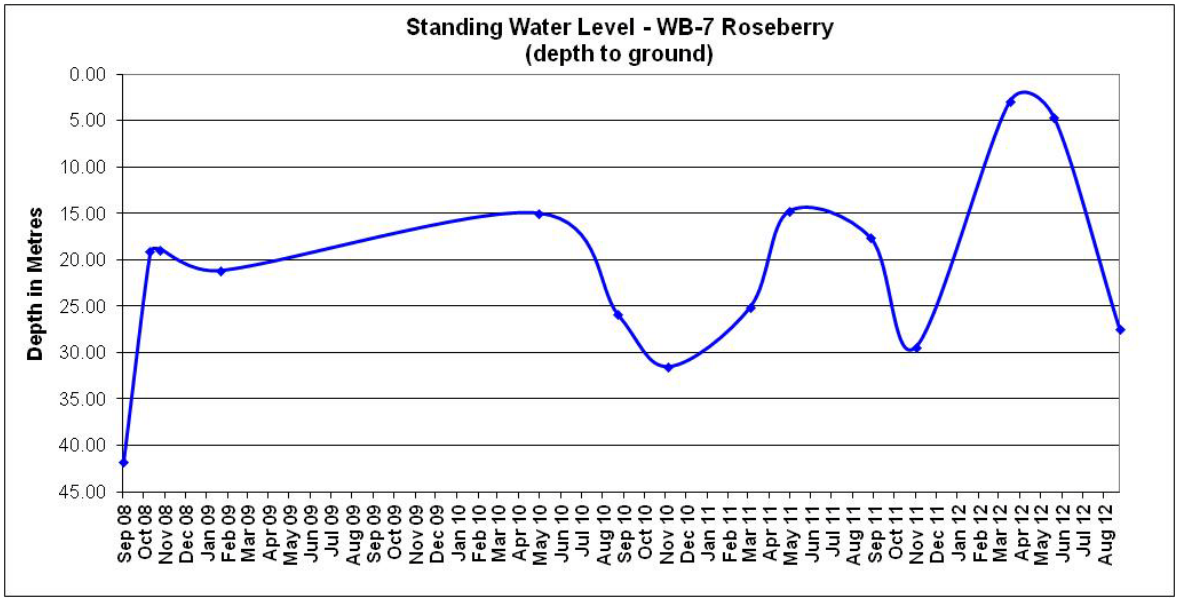
Standing Water Level - WB-7 Roseberry
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
30.00
35.00
40.00
45.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
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Jul 09
Aug 09
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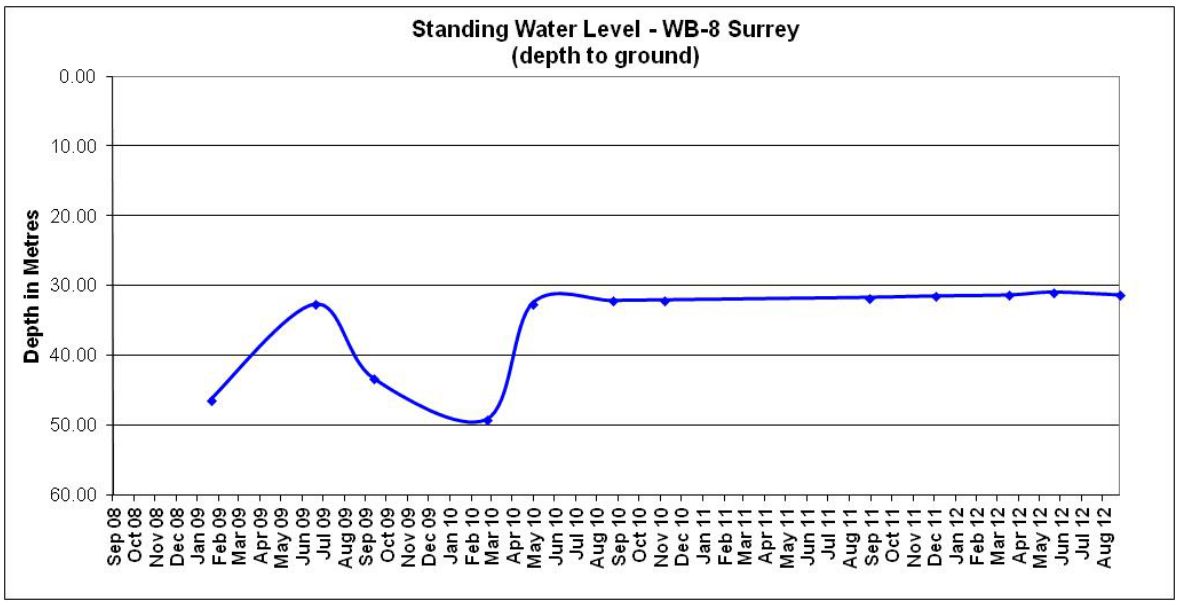
Aug 12


Standing Water Level - WB-8 Surrey
(depth to ground)
Depth in Metres
0.00
10.00
20.00
30.00
40.00
50.00
60.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
Jun 09
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Aug 09
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Nov 09
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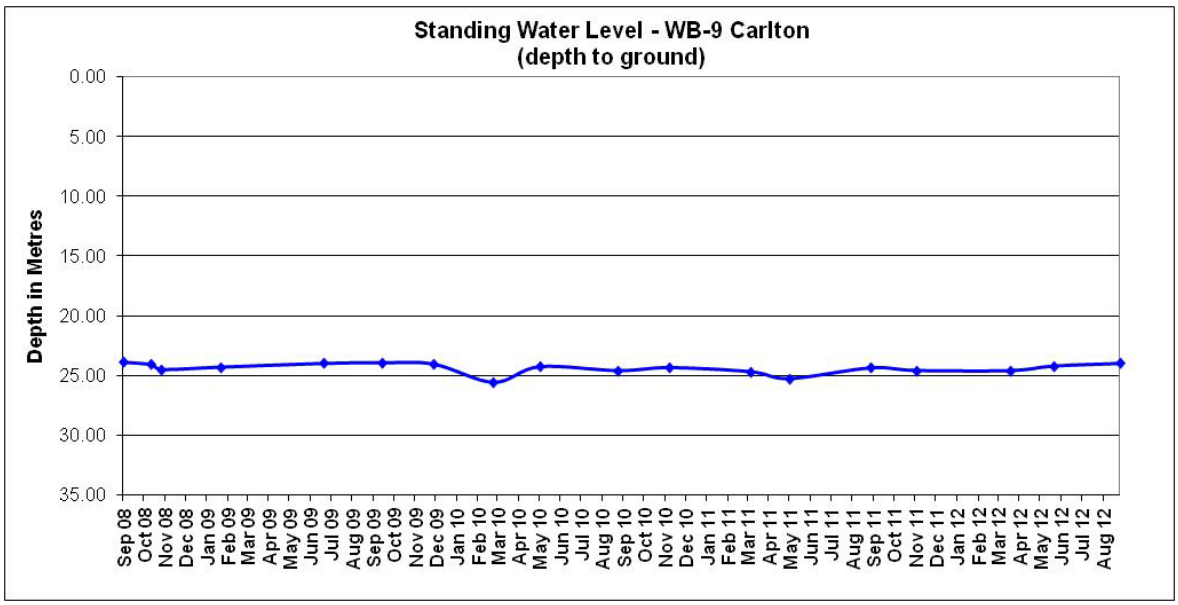
Standing Water Level - WB-9 Carlton
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
30.00
35.00
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
Feb 09
Mar 09
Apr 09
May 09
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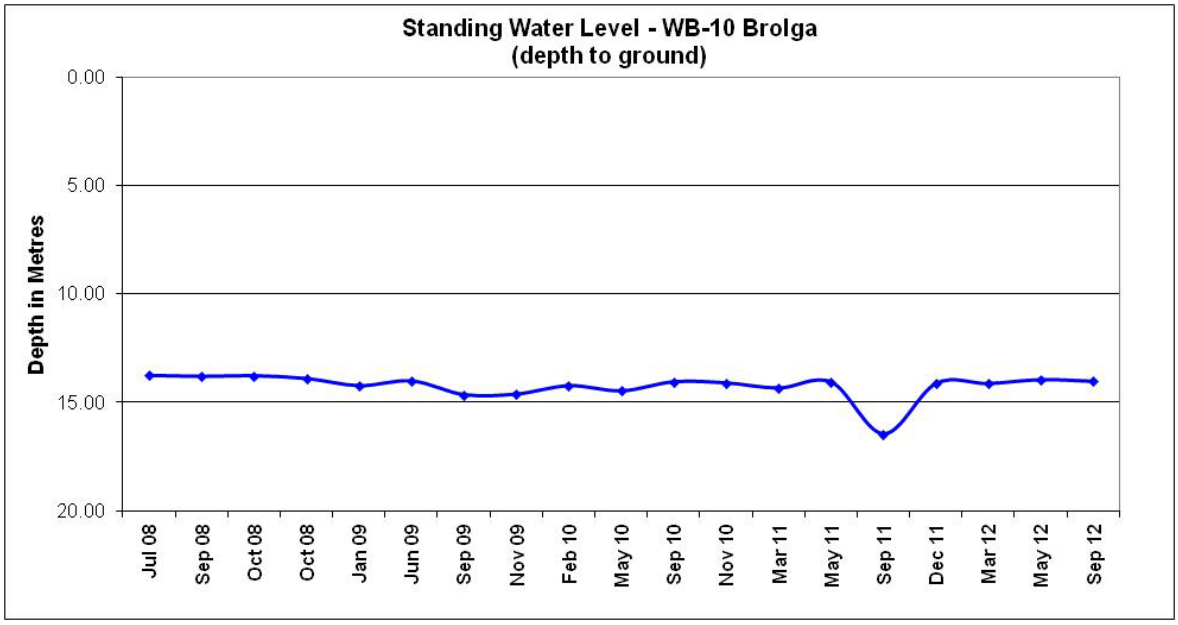
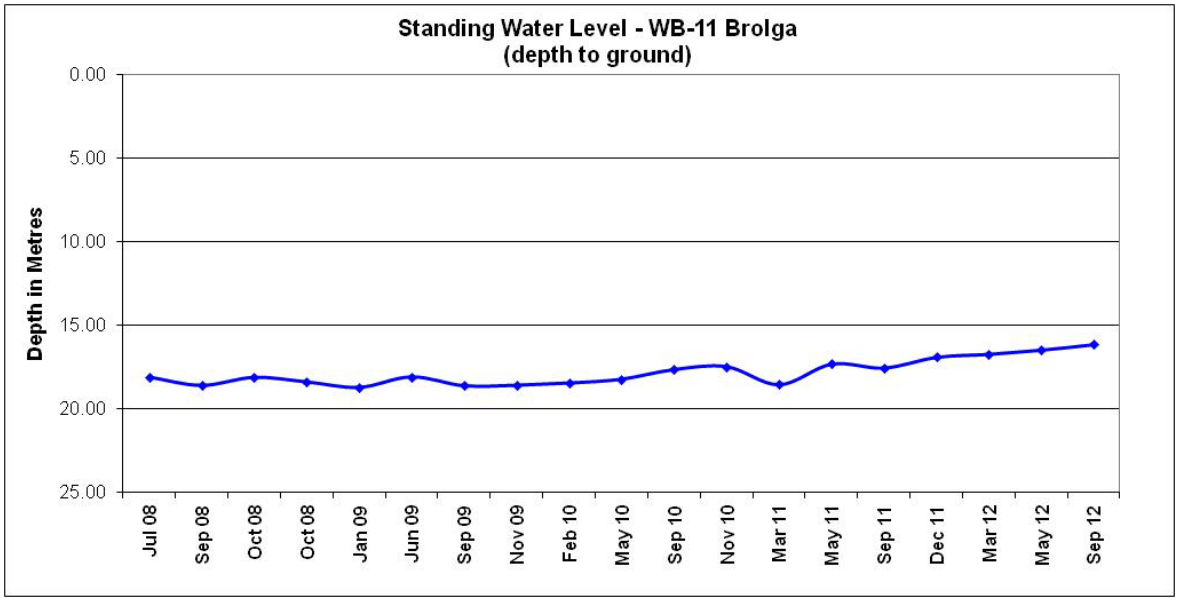

Standing Water Level - WB-10 Brolga
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
Jul 08
Sep 08
Oct 08
Oct 08
Jan 09
Jun 09
Sep 09
Nov 09
Feb 10
May 10
Sep 10
Nov 10
Mar 11
May 11
Sep 11
Dec 11
Mar 12
May 12
Sep 12


Standing Water Level - WB-11 Brolga
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
Jul 08
Sep 08
Oct 08
Oct 08
Jan 09
Jun 09
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Nov 09
Feb 10
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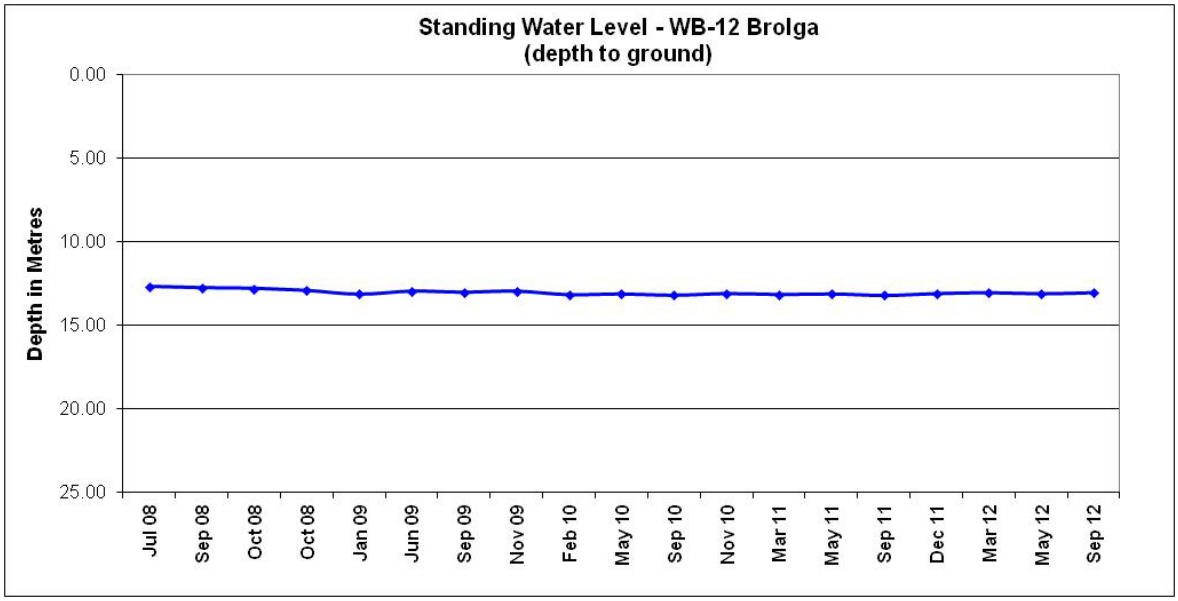
Dec 11
Mar 12
May 12
Sep 12


Standing Water Level - WB-12 Brolga
(depth to ground)
Depth in Metres
0.00
5.00
10.00
15.00
20.00
25.00
Jul 08
Sep 08
Oct 08
Oct 08
Jan 09
Jun 09
Sep 09
Nov 09
Feb 10
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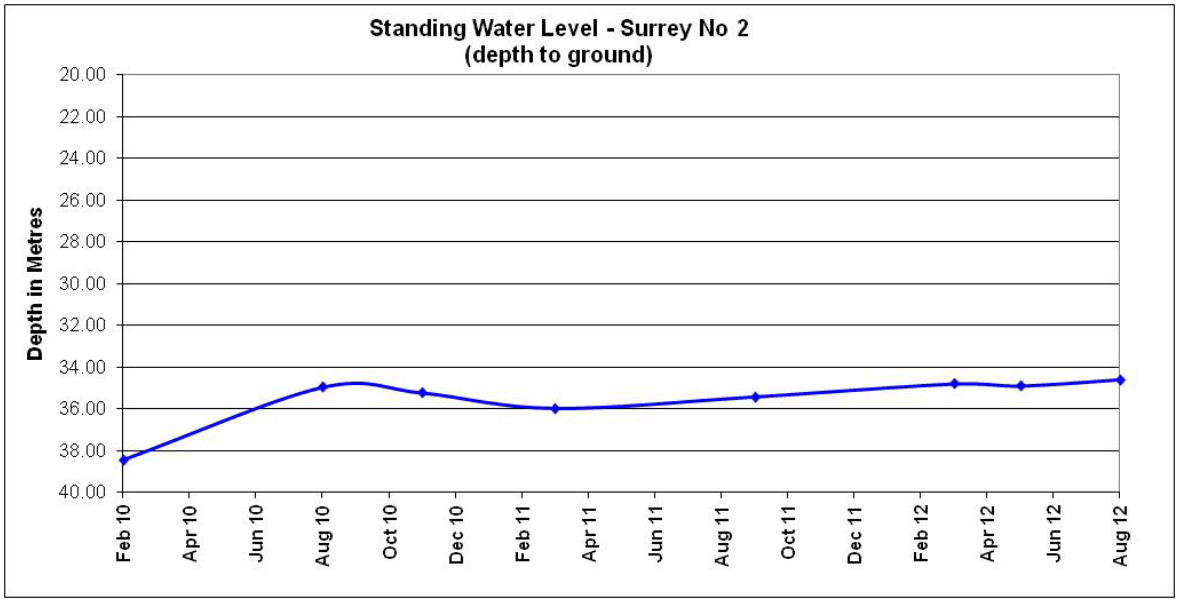
Dec 11
Mar 12
May 12
Sep 12



Standing water levels have remained relatively consistent since the last CCC with slight recharge showing in some monitoring bores. WB5 and WB7 continue to show a fluctuating trend which is believed to be due to the use of the bore for stock watering purposes.

Surface Water

No discharges have taken place during the reporting period.

Complaints

Two complaints have been received over the monitoring period. One in relation to feral pigs accessing adjoining properties through mine owned land, as well as sheep from adjacent landholdings. This was discussed with the complainant, indicating that the State Forest was the most likely source of pigs, and the sheep were from adjoining properties. A second complaint was received in relation to noise from Rocglen on the night of 7th October as well as from previous nights. Concerns were also raised in relation to lights from the mine starting to be directed to the east impacting on the property. The environmental officer at Rocglen contacted the complainant to discuss the complaint. A review of the lighting plants was undertaken the following morning by the Operations Manager. None of the lighting plants were deemed to be directed towards the property, however, the matter of lighting positions was taken up with site management to ensure all aware on site of the obligation to avoid lighting impacts on our neighbours. The complainant has been provided a report prepared in relation to the noise monitor that had been positioned at the property and a discussion held with the complainant in relation to future noise management actions at site (noise alarms) and the option of private agreements relating to noise impacts.

Rehabilitation

Rehabilitation on the western emplacement has continued to show good progress (Figure 1). Rehabilitation of approximately 8 hectares of the southern face of this emplacement has commenced (Figure 2), with topsoil spread, contours constructed, mounds installed and chicken manure, fertiliser and grass seed spread. Seed included a range of tropical grasses, clovers and legumes. Trees and shrubs are to be planted in this area in autumn next year.

Figure 1 – Rehabilitation on western emplacement at end of September 2012.

Figure 2 – Rehabilitation preparation southern area of western emplacement.