

Minutes of Rocglen Coal Mine Community Consultation Committee

Meeting Held: Wednesday 11th February 2009

Venue: The meeting held at Rocglen Coal Mine Training Room

Commencement Time: 4:00pm

1. Present and Apologies

Present: John Sturgess (Chairman)
Clr Collen Fuller (Gunnedah Shire Rep)
Mrs Pam Burns (Community Rep)
Mr Warren Nicholls (Community Rep)
Mr Danny Young (Environmental Manager – Whitehaven)
Mr Tony Jones (Community Liaison Officer)
Mr Tony Heinrich (Project Manager)

Apologies: Mr Casper Dieben (General Manager – Operations)
Mr Brian Cullen (General Manager – Technical Services)

2. Previous Minutes

The minutes were accepted as a true record of the meeting of 22nd October 2008 on the motion of Warren Nicholls and Clr Colleen Fuller.

3. Business Arising from Previous Minutes

There was no business arising from the minutes.

4. Mine Progress Report

Tony Heinrich presented his report on the mines progress since the last meeting. He provided production figures as well as photographs of milestone moments since mine commencement including face of exposed coal seam, loading of first coal for transport to the CHPP and Coal Preparation prior to ripping and loading.

Rocglen has now been operational for 8 months. Coal seam thickness approximates 8 metres. Since commencement, 2.4 million bcm of overburden has been moved to produce 400,000 tonnes of ROM Coal. First load of coal was transported from Rocglen to the Whitehaven CHPP in mid December.

The coal is generally of a higher ash as compared to the Canyon and Tarrawonga coal, however has a specific market for export.

Operations have been going in accordance to plan, with the only issue that has created some problems being the conglomerate rock which has proven difficult to blast . This issue is being addressed in consultation with the Blasting Contractor – Orica Mining Services.

5. Review of Environmental Performance

The CCC was presented a copy of the Environmental Monitoring Report (attached) produced for the period Nov 2008 – Jan 2009. All monitoring data confirmed compliance with concentration thresholds.

6. Complaints/Complaints Hotline

There have been no complaints on the complaints hotline since the previous meeting. The owner of “Costa Vale” requested removal of the PM10 monitor and deposited dust gauge from his property on the basis that he did not want mine related personnel accessing his property. The PM10 was subsequently moved to the Glen Roc property, which is in closer proximity to the mine site. The deposited dust gauge was removed. Other gauges at Glen Roc and Roseglass will monitor dust levels on the northern side of the mine.

Mr David Torrens also contacted Whitehaven to advise that he was experiencing pump flow reductions from his bore. Mr Torrens is located approximately 7-8 kilometres from the mine site and as the mine has not been making any water it was considered highly unlikely that the operation could be impacting on his bore. A field officer will seek to take a measurement from his bore in the near future to determine water level for background measurement. There has been no significant reduction in standing water levels from monitoring bores surrounding the site.

7. General Business

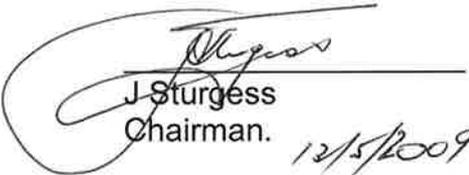
- 7.1 Warren Nichols queried the height of the waste emplacement and asked if the current height was the maximum height. The height will be raised a further 16 metres until it reaches maximum height as prescribed in the Environmental Assessment and Mining Operations Plan for the project. This will be at maximum height of 338m.
- 7.2 Warren Nichols raised the state of Riordan Road and if there was any proposal to undertake maintenance works. It was advised the Riordan Road was a matter for Council. Tony Jones indicated he would raise the matter with Council for their investigation and action.

- 7.3 The issue of sealing Wean Road was raised, with concerns that the current economic downturn would impact on the probability of the works proceeding. The CCC was advised that as a consent condition the works had to proceed and were still programmed for commencement by mid to late March 2009. Discussions have been held with Council in terms of design requirements and action will shortly commence.
- 7.4 Question was raised in terms of what is done with water encountered in the pit. The committee was advised that the operation had been a dry operation to date with no significant inflows into the workings. A specially designed dam has been constructed with an 11ML capacity on the northern side of the active pit specifically for holding of pit water. This water will be utilised on site for dust suppression purposes.
- 7.5 Warren Nicholls indicated that to date he had only noticed vibration at his property from blasting on one occasion. He advised that Mr David Torrens, further to the south-east, had indicated he had felt every blast. It was suggested that Mr Torrens would like to be notified of blasting arrangements and it was determined that Rocglen would contact Mr Torrens to determine arrangements.

8.0 Next Meeting

The next meeting of the Rocglen CCC is scheduled for Wednesday 13th May 2009 at the Rocglen training room at 4:00pm

Meeting closed 4:40pm.


J Sturgess
Chairman. 12/5/2009

Rocglen Coal Mine Community Consultative Committee Meeting #2

Environmental Monitoring Report, October 2008 – January 2009

Noise Monitoring

Attended noise monitoring was undertaken on the 29th September 2008 as required under the Noise Monitoring Program (construction noise monitoring) with results outlined below:

RCM Attended Noise Monitoring Results 29th September 2008 (Day)

Location	Time	dB(A), Leq	Wind Speed	Noise source
<i>Costa Vale</i>	2:55pm	35	1.5m/s, SE	Birds(34), RCM(<25)
<i>Surrey</i>	3:40pm	38	1.0m/s, SE	Birds(37), RCM(31)

Unattended noise monitoring was also carried out in September at both the “Costa Vale” and “Surrey” properties with results provided in the tables below. Unattended monitoring provides noise levels from all sources and does not distinguish mine related noise from other noise factors.

RCM Unattended Noise Monitoring Results “Costa Vale”

Date	Leq(day)	Leq(eve)	Leq(night)	L90(day)	L90(eve)	L90(night)
<i>22/09/2008</i>		57.9	51.7	36.7	31.0	34.0
<i>23/09/2008</i>	57.5	44.7	48.6	29.7	39.0	32.0
<i>24/09/2008</i>	46.0	55.1	46.3	30.2	47.0	28.3
<i>25/09/2008</i>	42.1	43.6	19.0	29.0	32.5	29.5
<i>LAeq</i>	53	51	48	-	-	-
<i>L90</i>				30	36	31

RCM Unattended Noise Monitoring Results “Surrey”

Date	Leq(day)	Leq(eve)	Leq(night)	L90(day)	L90(eve)	L90(night)
<i>22/09/2008</i>		54.4	48.7	34.4	33.7	29.4
<i>23/09/2008</i>	45.8	37.0	43.2	26.5	33.0	28.7
<i>24/09/2008</i>	49.6	45.8	43.6	33.3	39.9	27.8
<i>25/09/2008</i>	47.7	37.1		26.0	30.1	
<i>LAeq</i>	48	42	43	-	-	-
<i>L90</i>				30	33	29

Attended noise monitoring was also conducted on the 16th and 17th December 2008 as required for operational noise monitoring with results presented below:

RCM Noise Monitoring 16th December 2008 (day)

Location	Time	dB(A), Leq	Wind Speed/Direction	Noise Source
Surrey	1:17pm	39.6	0-1m/s, W	Wind(34), Birds(33), RCM(33)
Costa Vale	1:46pm	35.2	1.0 m/s, W	Insects(35), RCM inaudible

RCM Noise Monitoring 16th December 2008 (evening)

Location	Time	dB(A), Leq	Wind Speed/Direction	Noise Source
Costa Vale	7:31pm	63.9	1-2m/s, W	Dogs(63), RCM inaudible
Surrey	7:59pm	38.1	1-2m/s, W	Birds(35), RCM(34)

RCM Noise Monitoring 17th December 2008 (night)

Location	Time	dB(A), Leq	Wind Speed/Direction	Noise Source
Surrey	12:11 am	34.2	calm	Insects(31), RCM(30)
Costa Vale	12:34am	35.5	calm	Insects(34), RCM(28)

Review of the above results indicate noise levels within compliance limits throughout the noise surveys.

Blast Monitoring

Blasting Results

Since the first shot there have been 10 blasts.

All blasts during this report period have been compliant within the limits of 115dBL and 5mm/s.

To date, the highest overpressure recorded is 115.0 dBL recorded at “Costa Vale” on the 12th December 2008. The highest ground vibration recorded is 1.50 mm/s recorded at “Roseberry” on the 12th December 2008.

Air Quality

PM10 Results

The annual average for PM10 readings can currently only be assessed based on 2 months data from October and November 2008. It is expected that the

December 2008 results will be available in the near future. The current running average for each monitor is as follows:

Costa Vale: 25.5ug/m³
Surrey: 11.3ug/m³

Running average PM10 levels at both monitoring points remains below the annual average limit of 30ug/m³. The 24hr criterion of 50ug/m³ has not been breached at either site, with the highest PM10 readings for each site to date as follows:

Costa Vale: 43ug/m³ on the 20th October 2008
Surrey: 20ug/m³ on the 1st November 2008

During November 2008 Whitehaven was asked by the owner of the “Costa Vale” property to cease PM10 and deposited dust monitoring at that location as the owner did not want mine related staff accessing his property at such frequencies to change over monitoring equipment. As a consequence, the PM10 unit has now been relocated to the “Glen Roc” property and the deposited dust bottle removed. The DECC has been advised of this requirement and Whitehaven is currently undertaking a modification of the Air Quality Monitoring Program and the Environment Protection Licence to reflect these changes.

Deposited Dust Results

The Deposited Dust results obtained for the site to date are as follows:-

Air Quality (Dust Deposition) Results

Month	BD1 Costa Vale	BD2 Glenroc	BD3 Belah	BD4 Surrey	BD5 Stratford	BD6 Roseberry	BD7 Roseglass	BD8 Yarrowonga
December 2007	1.3	0.6	2.2	1.1	0.8	1.0	0.9	NA
January 2008	1.2	0.5	1.1	3.3	0.8	1.1	0.7	2.1
February 2008	1.8	1.1	1.9	1.3	0.5	0.6	0.5	0.7
March 2008	1.9	0.8	1.6	2.1	1.0	2.0	1.4	1.3
April 2008	1.8	1.3	1.1	0.9	0.8	0.7	1.4	1.1
May 2008	0.9	0.9	0.5	0.5	0.5	0.9	0.7	0.3
June 2008	0.6	0.6	0.4	0.4	0.2	0.7	0.7	0.5
July 2008	0.6	0.7	0.4	0.2	0.4	0.6	0.6	0.4
August 2008	1.1	0.7	0.6	0.4	0.7	0.7	0.7	0.6
September 2008	1.3	1.5	0.8	1.2	0.6	1.7	2.7	1.2
October 2008	1.6	1.3	1.4	1.0	0.7	1.0	1.1	1.5
November 2008	1.0	1.0	2.2	1.7	1.4	1.6	1.9	2.5
December 2008	NLS	1.0	1.0	0.8	0.7	0.8	1.4	0.7
Average	1.2	0.9	1.2	1.1	0.7	1.0	1.1	1.1

The deposited dust levels have remained relatively consistent over the last 12 months, with no significant variation from background levels in early 2008 to dust levels since mine commencement. All monitors remain well within the standard concentration threshold of 4g/m²/month.

It should be noted that monitoring at the Costa Vale monitor ceased in December 2008 at the request of the landowner. An existing monitor at the “GlenRoc” property will continue to monitor deposited dust levels north of the mine site.

Water Monitoring

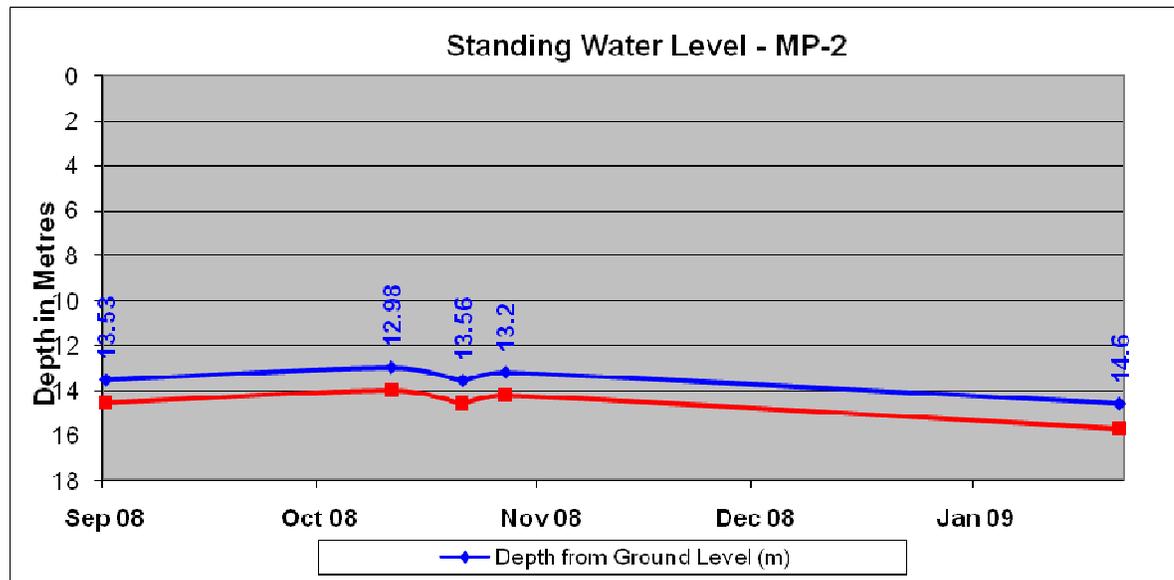
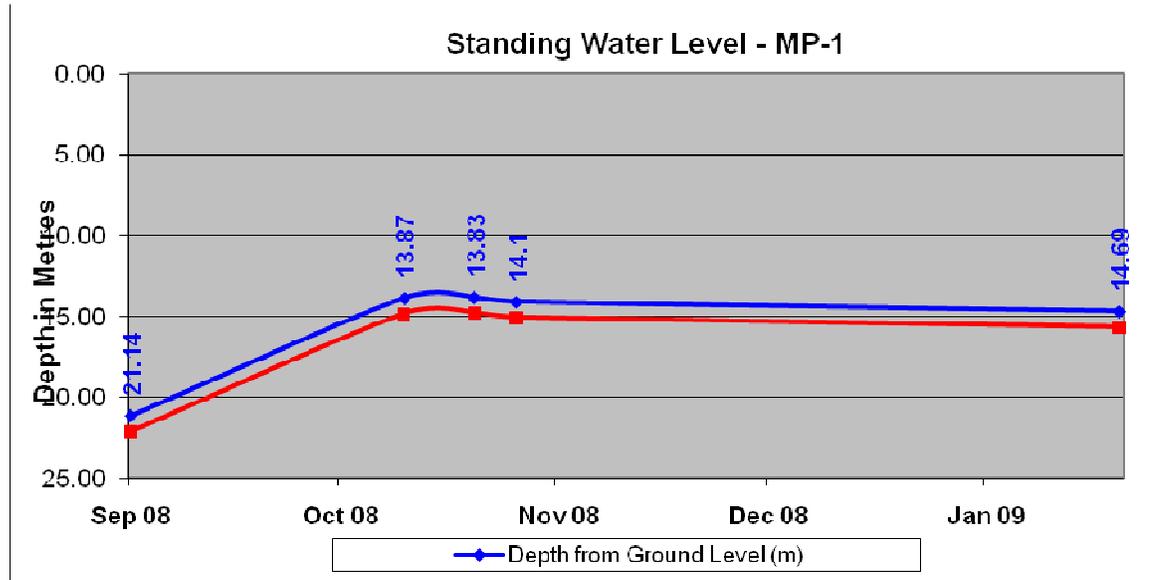
Ground Water

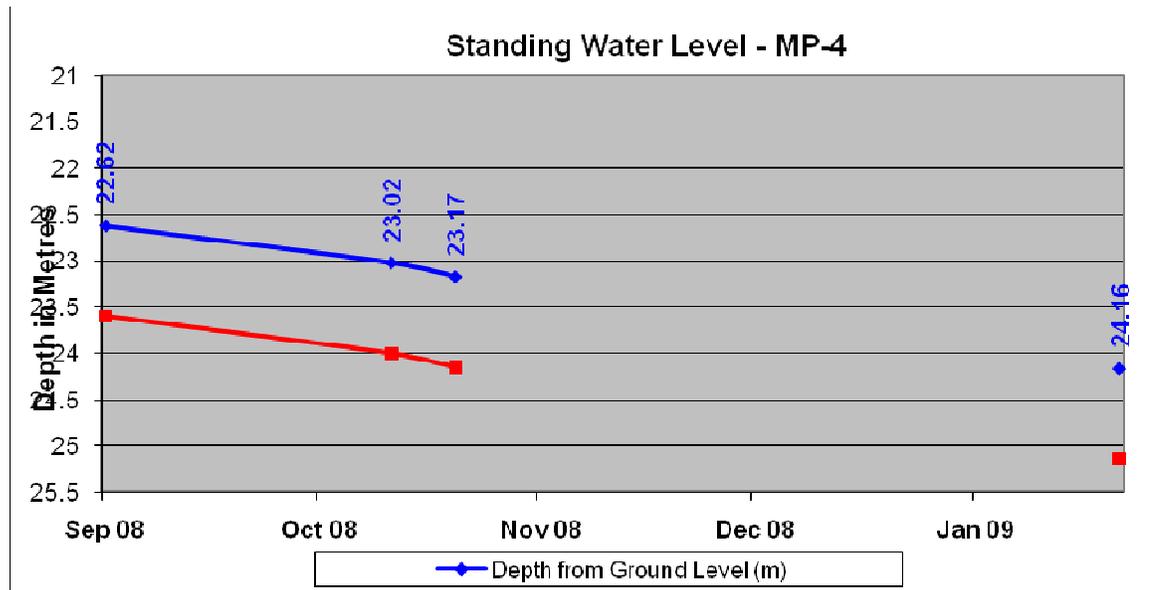
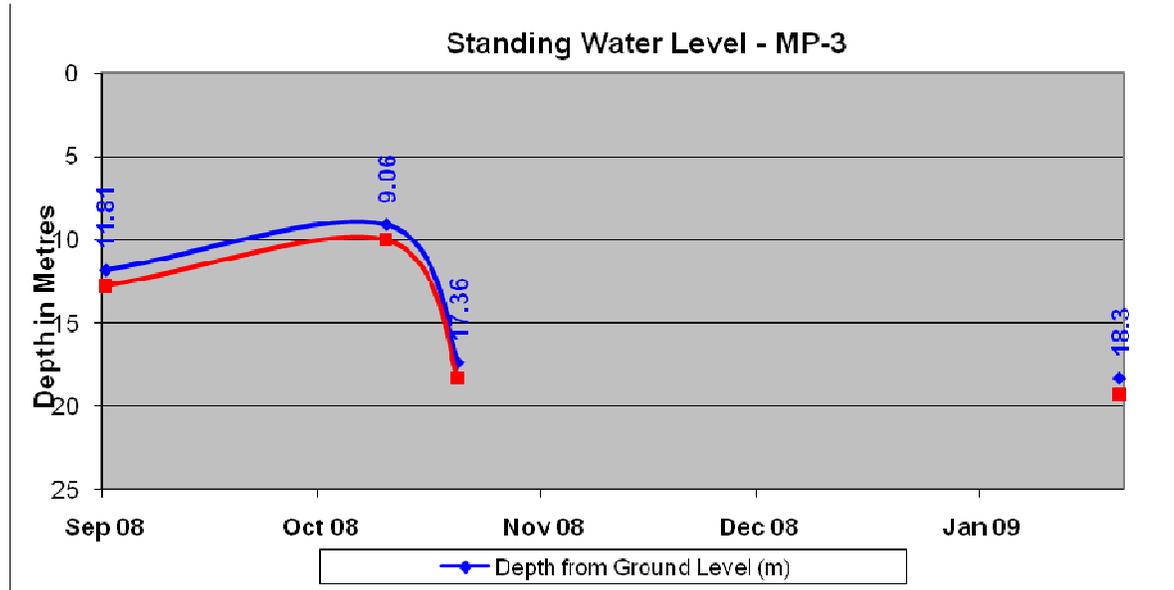
Groundwater monitoring obtained to date is presented in the following table. An additional full water quality sampling round was undertaken by EA Systems in October 2008 and the full chemical analysis results are available for review on request.

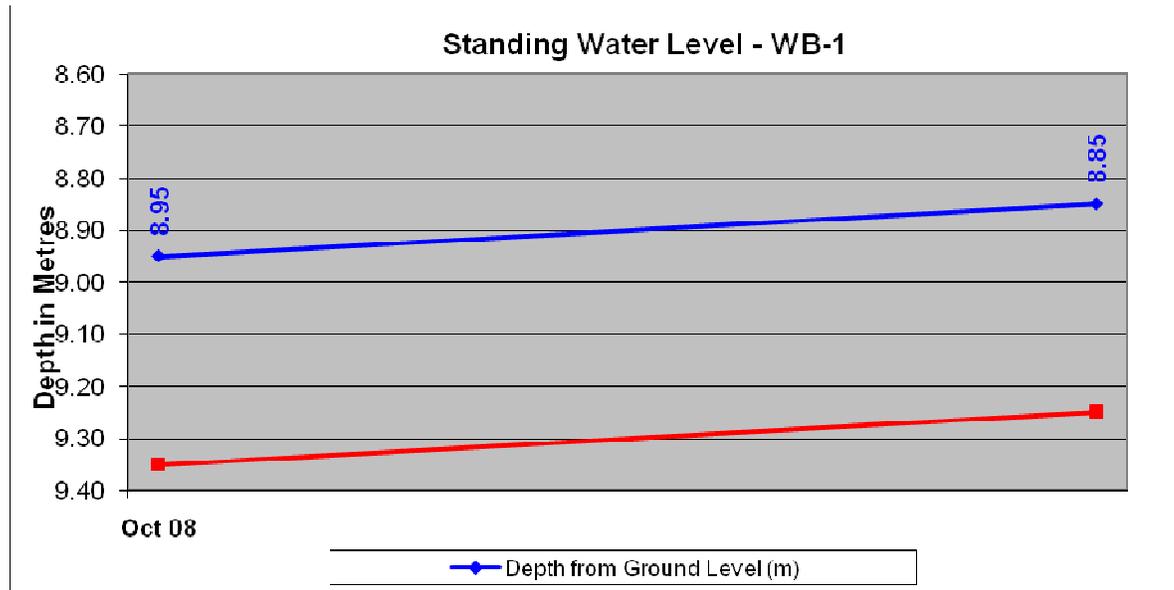
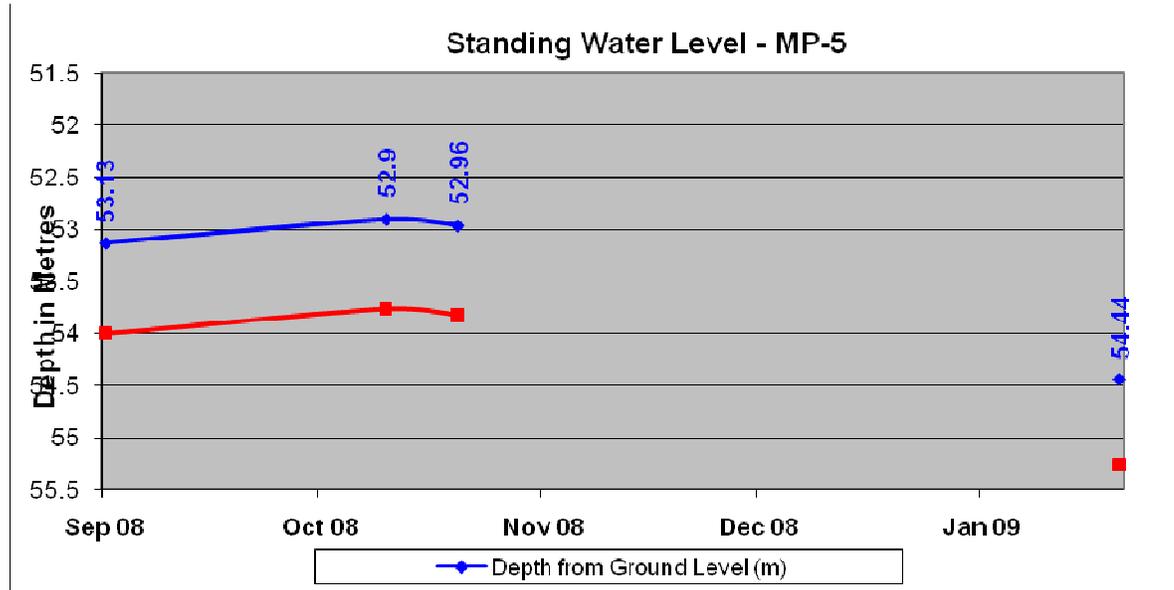
Site	Date	SWL (m)	pH	Elect. Conduct
MP1	September 08	21.14		
	13 October 08	13.87		
	23 October 08	13.83		
	29 October 08	14.10	7.6	2.36
	23 Jan 09	14.69		
MP2	September 08	13.53		
	13 October 08	12.98		
	23 October 08	13.56		
	29 October 08	13.20	7.3	4.18
	23 January 09	15.70		
MP3	September 08	11.81		
	13 October 08	9.06		
	23 October 08	17.36		
	29 October 08	N/S Bore Dry		
	23 January 09	19.24 (mud)		
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)		
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)		
WB1	13 October 08	8.95		
	28 October 08	8.85	7.9	1996
	NO ACCESS			

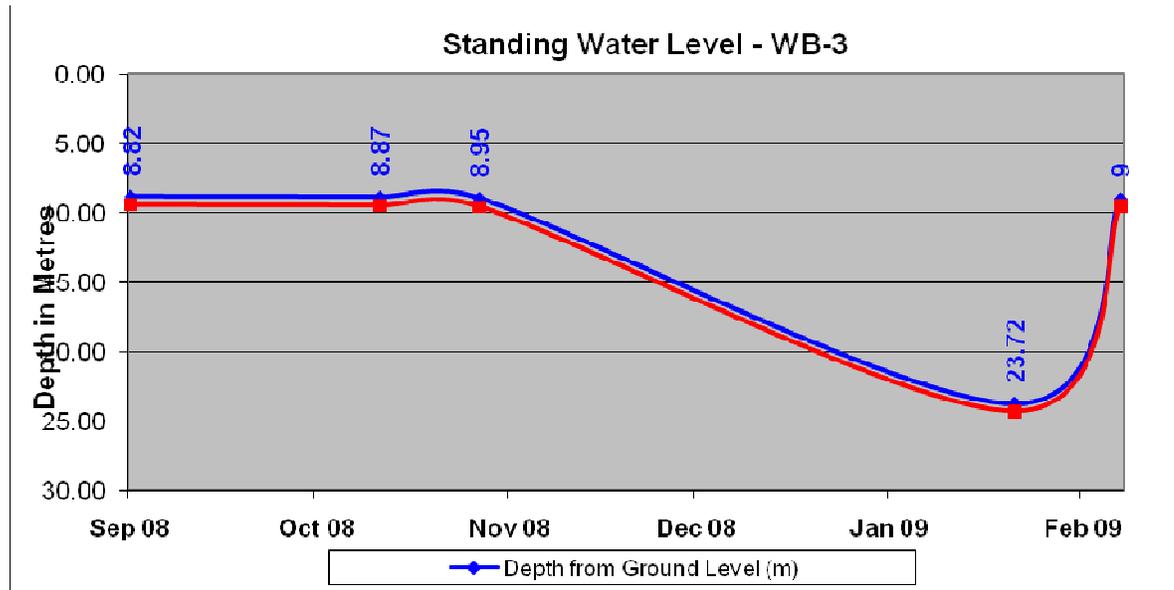
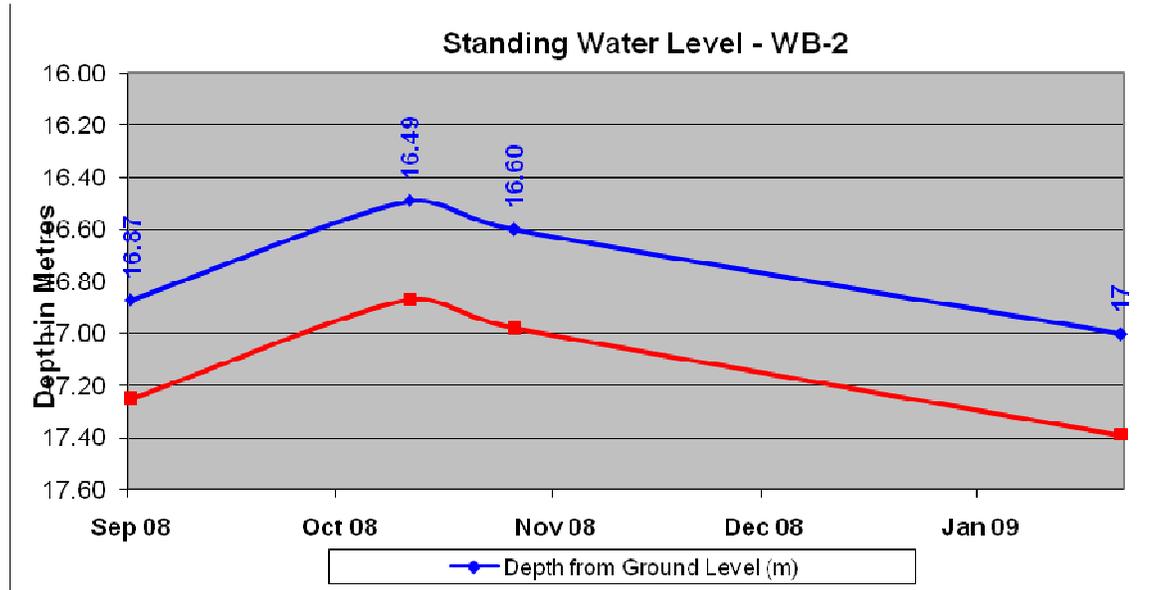
WB2	September 08	16.87		
	13 October 08	16.49		
	28 October 08	16.60	7.7	3.43
	23 January 09	17.00		
WB3	September 08	8.82		
	13 October 08	8.87		
	29 October 08	8.95	7.2	4.48
	23 January 09	23.72		
	10 February	9.0		
WB4	Casing Sealed	No Access		
WB5	September 08	4.23		
	13 October 08	12.92		
	28 October 08	12.85	7.2	8.4
	23 January 09	13.1		
WB6	September 08	23.18		
	13 October 08	23.05		
	29 October 08	No Access		
	23 January 09	23.81		
WB7	September 08	41.75		
	13 October 08	19.11		
	28 October 08	18.90	7.2	2.73
	23 January 09	21.35		
WB8	September 08	No Access		
	13 October 08	No Access		
	29 October 08	No Access		
	23 January 09	46.4		
WB9	September 08	23.88		
	13 October 08	24.09		
	28 October 08	24.50	7.5	931
	23 January 09	24.27		
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		
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		
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		
Yarrari Prod	September 08	55.24		
	13 October 08	50.18		

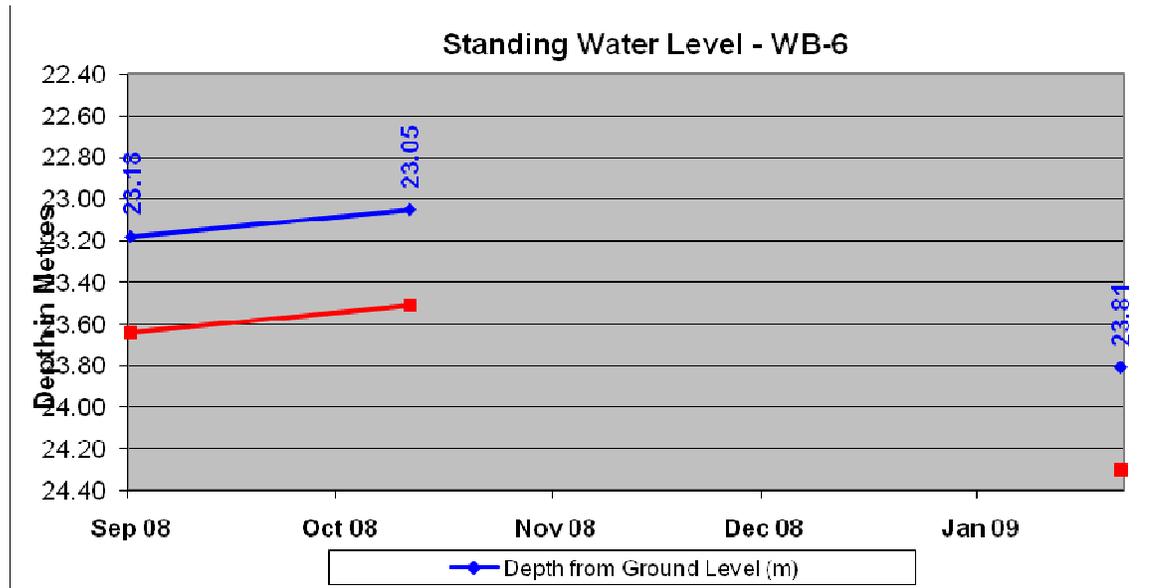
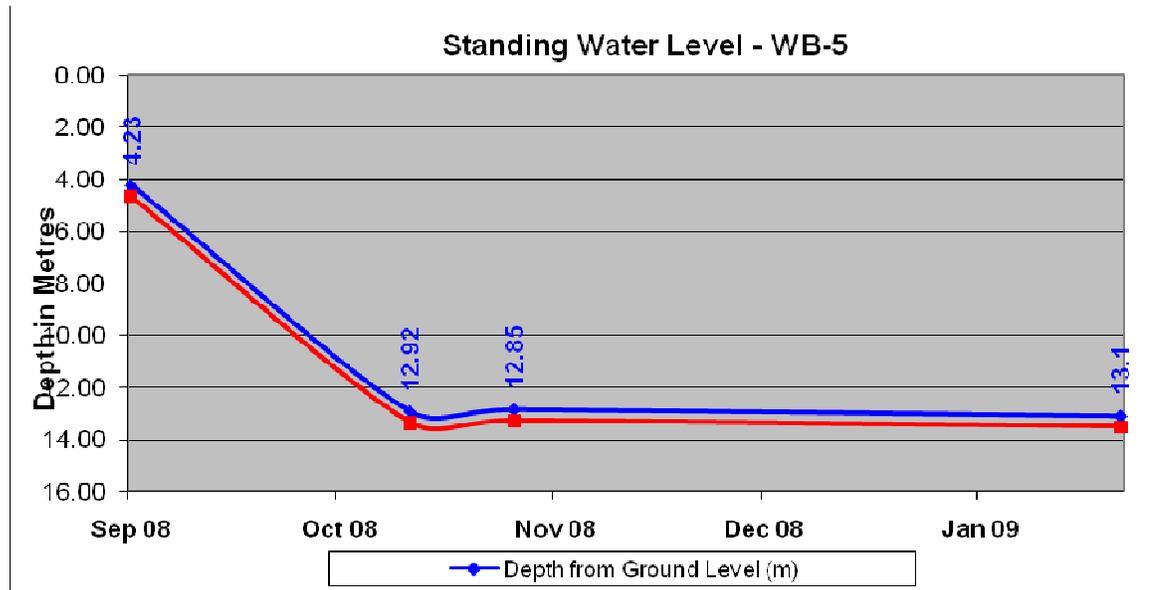
	28 October 08	49.90	7.3	4.03
	27 January 09	49.90		
Wundurra Stud	27 January 09	20.37		

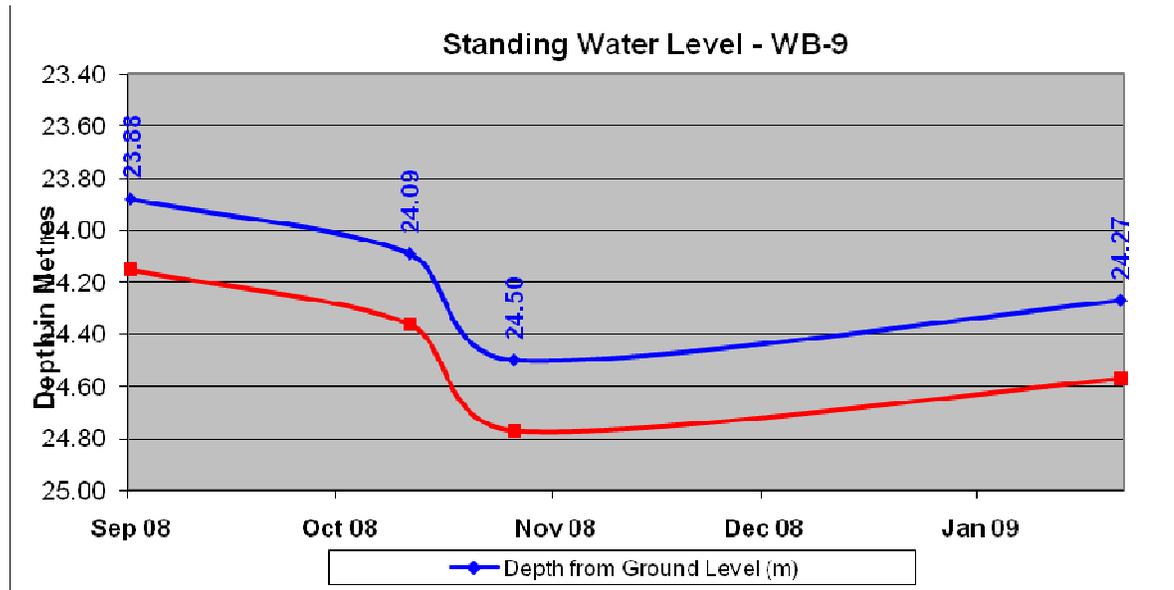
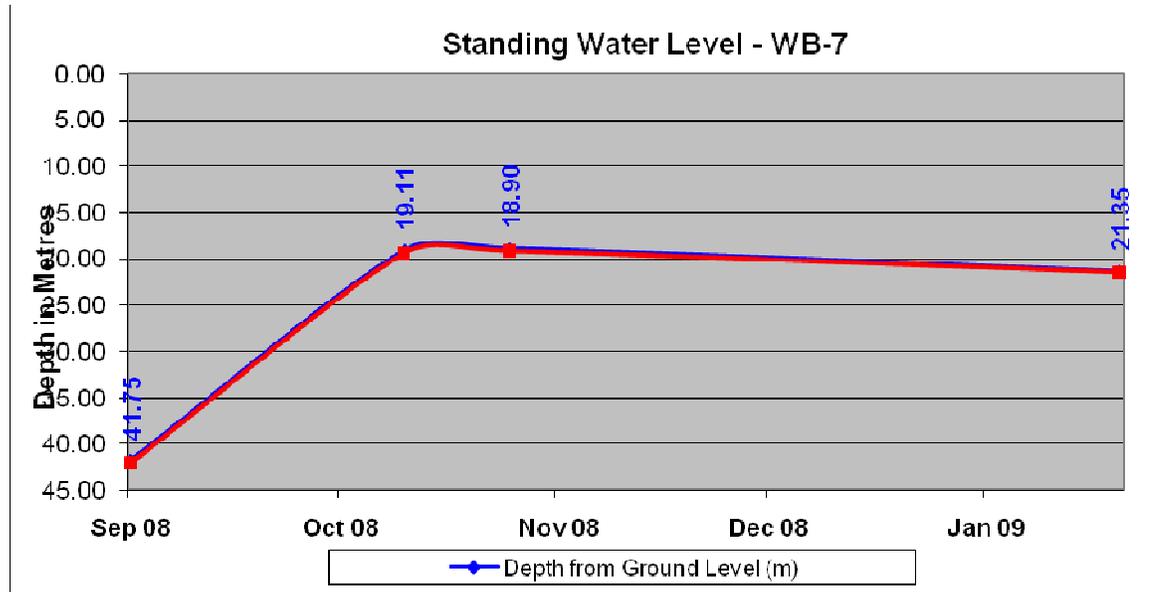


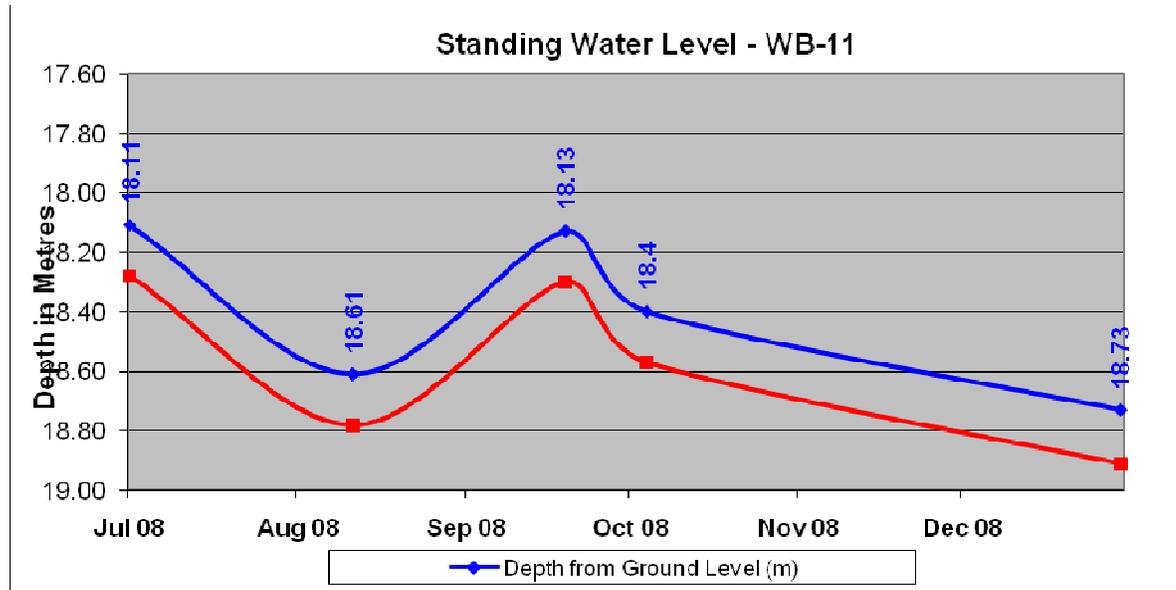
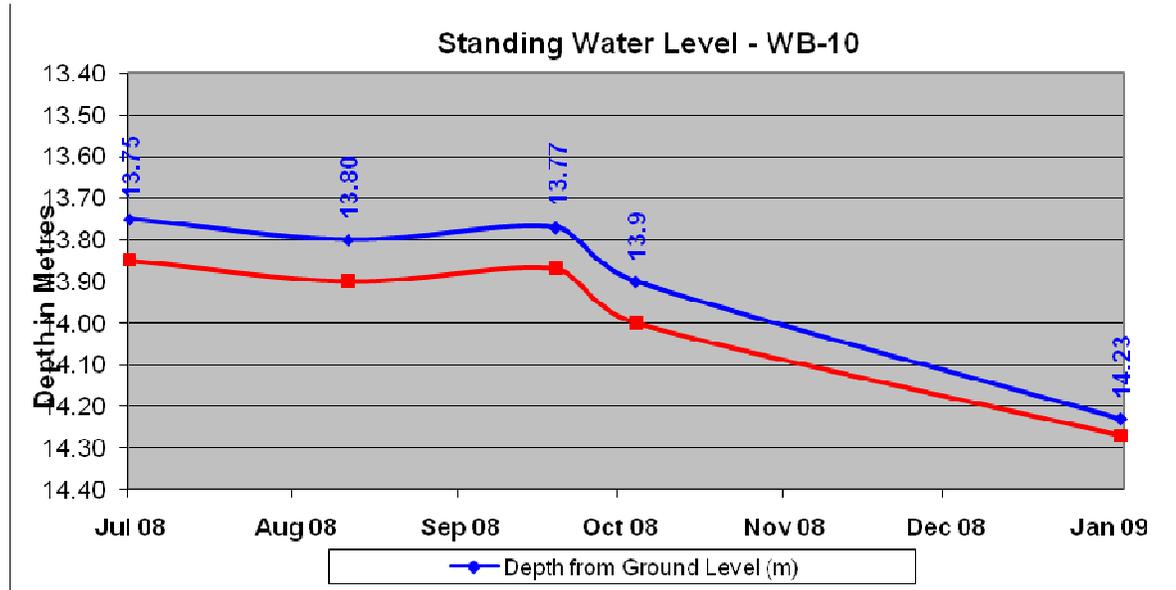


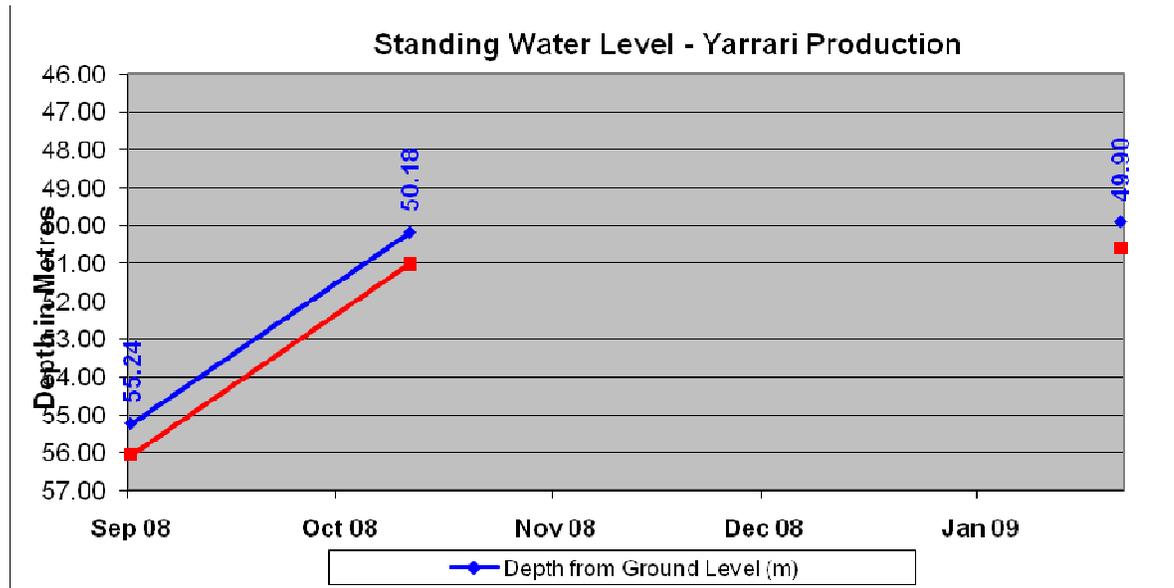
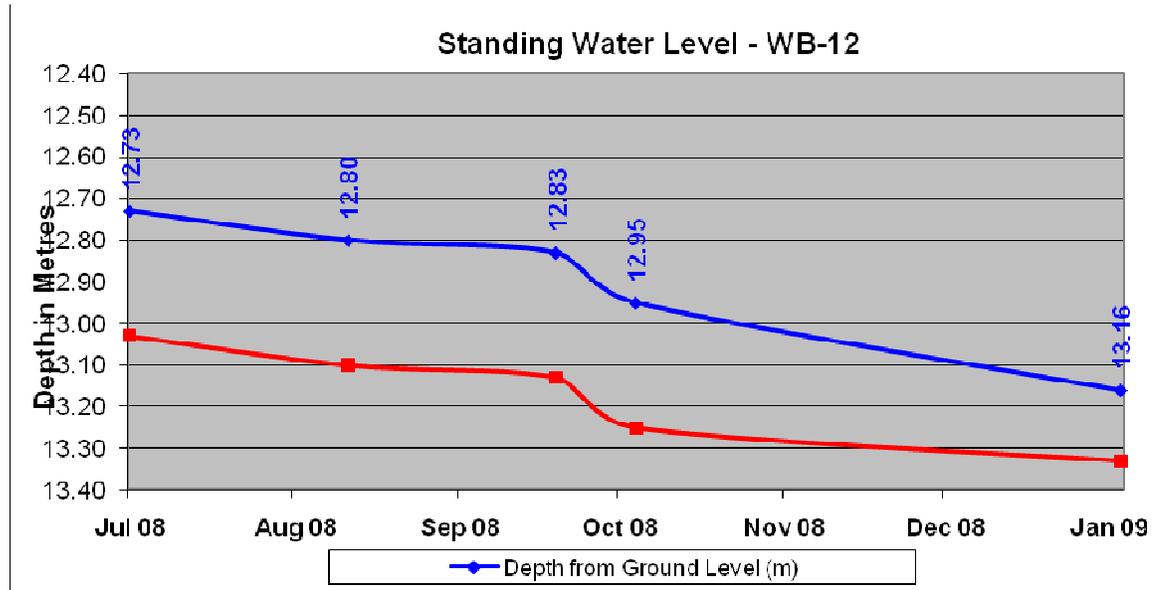












The results obtained to date are to establish background water levels and general variability in the water bores. As the mining operation is not making water in the pit from the coal seam the operation to date would have had minimal impact on groundwater flows and levels. Ongoing monitoring will help establish general variability and trends in water level and chemistry as the operation progresses.

Surface Water

A variation application for the environment protection licence has been lodged with the DECC which will verify surface water monitoring points to assess compliance with concentration thresholds. Until such time as these points are confirmed, monitoring has been undertaken from surface water flows south of the site during wet weather events for background data. The results of this sampling is shown below:

DATE	LOCATION	pH	EC	TSS	Grease/Oil
23 Sep 08	UNDC	7.7	150	510	<2
17 Dec 08	UNDC	6.6	145	21	<2

Surface water sampling will commence in the coming months to obtain background water quality from on site storages. This data will be of relevance in the event of any future discharge from these storages during wet weather events.

Complaints

There have been no complaints registered on the Rocglen complaints line. The owner of "Costa Vale", through contact with the Gunnedah Office and Environmental Officer on 21st November 2008 requested removal of environmental monitoring points on his property due to frequency of access requirements from mine related personnel. All monitoring equipment was subsequently removed immediately and relocated. Mr David Torrens also contacted the Whitehaven Gunnedah Office in January to advise of a drop in volume from his bore. Mr Torrens property is located well to the south-east of the predicted drawdown cone established during groundwater modelling and unlikely to be affected by the mining operation. As the mine has not encountered significant groundwater inflows to the workings, it is considered highly unlikely that the operation has had any influence on any reduction in volumes experienced in his bore.

Minutes of Rocglen Coal Mine Community Consultation Committee

Meeting Held: Wednesday 13th May 2009

Venue: The meeting held at Rocglen Coal Mine Training Room

Commencement Time: 4:00pm

1. Present and Apologies

Present: John Sturgess (Chairman)
Clr Collen Fuller (Gunnedah Shire Rep)
Mrs Pam Burns (Community Rep)
Mr Warren Nicholls (Community Rep)
Mr Danny Young (Environmental Manager – Whitehaven)
Mr Tony Jones (Community Liaison Officer)

Apologies: Mr Casper Dieben (General Manager – Operations)
Mr Brian Cullen (General Manager – Technical Services)
Mr Tony Heinrich (Project Manager)

2. Previous Minutes

The minutes were accepted as a true record of the meeting of 11th February 2009 on the motion of Clr Colleen Fuller and Mrs Pam Burns.

3. Business Arising from Previous Minutes

- (1) It was reported that Riordan Road had now been gravelled and the meeting was advised that the mine had made no request for the road to be closed. It was further advised any such action would be subject of an application by Council to close the road which would also require consultation. Rocglen mine considered that it would be unlikely that the road could be closed.
- (2) It was reported that subject to weather conditions the current section of the Wean Road which was prepared for sealing would be completed and sealed by the middle of July.

4. Mine Progress Report

In the absence of the Project Manager, Mr Tony Heinrich, Mr Danny Young gave a brief report on Mine Progress and outlined the potential for an extension to the mining area. He advised that this would require a modification of the DA and Mining Operations Plan. Preliminary

actions are currently underway with regard to determining the extent of information and required and appropriate approval pathway through discussions with the Department of Planning. Any such application would also require adequate community consultation.

5. Review of Environmental Performance

Copy of report attached.

6. Complaints/Complaints Hotline

Nil complaints recorded.

It was reported that several phone calls had been received regarding a blast which had occurred early on the morning of 24th April 2009. Following the outcome of this blast, which occurred at around 9:00am, it was determined that in future, particularly over the winter period, blasting be delayed until later in the morning to avoid the possibility of a temperature inversion which can result in increased peak overpressure outcomes.

7. General Business

7.1 Mr Warren Nichols raised the question of mine vehicles, both staff and contractors using the Wean Road. It was resolved that Tony Heinrich, Project Manager be requested to advise all staff and contractors that they should travel to the mine site via the haul road at least until the Wean Road is sealed. Notwithstanding this, it was also advised that as Wean Road is a public road, the company would not be able to formally enforce such a policy. It is expected that upon sealing of the road, the dust issue will be predominantly resolved.

7.2 It was raised that the lights at the Mine had potential to inconvenience local residents. The meeting was advised that in the event that anyone had concerns in relation to lighting that they should contact the site direct at the time of the lighting issue, following which action would be taken to redirect lighting where possible.

7.3 It was requested by Mr Warren Nicholls that staff involved in environmental monitoring work be directed to advise people whose properties are involved that they will be visiting before they enter the property.

8.0 Next Meeting

The next meeting of the Rocglen CCC is scheduled for Wednesday

12th August 2009 at the Rocglen training room at 3:00pm to enable members to undertake the site inspection which was postponed due to the absence of Project Manager Mr Tony Heinrich.

Meeting closed 4:40pm.


J Sturgess
Chairman.
12/8/2009

Rocglen Coal Mine Community Consultative Committee Meeting #3

Environmental Monitoring Report, February 2009 – April 2009

Noise Monitoring

Attended noise monitoring was undertaken on the 10 – 11th March 2009, as required for operational noise monitoring under the Noise Monitoring Program, with results outlined below:

RCM Attended Noise Monitoring Results 10 March 2009 (evening)

Location	Time	dB(A), Leq	Wind Speed	Noise source
<i>Costa Vale</i>	9:05pm	>60	>3 m/s, S	Wind (>60), RCM inaudible
<i>Surrey</i>	9:23pm	55	3 m/s, S	Wind (55), RCM (34)

RCM Attended Noise Monitoring Results 11 March 2009 (day)

Location	Time	dB(A), Leq	Wind Speed	Noise source
<i>Costa Vale</i>	9:10am	49	1.0 m/s, SE	Birds and insects (49), RCM (30)
<i>Surrey</i>	9:31am	50	0.1 m/s, SE	Birds and insects (49), Wind in trees (40), RCM inaudible

RCM Attended Noise Monitoring Results 11 March 2009 (night)

Location	Time	dB(A), Leq	Wind Speed	Noise source
<i>Costa Vale</i>	2:32am	40	0.5 m/s, SE	Insects (36), Wind (35), Dogs (34), RCM inaudible
<i>Surrey</i>	2:06am	38	0.5 m/s, SE	Insects (37), Wind (35), RCM inaudible

Unattended noise monitoring was also carried out in December 2008 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 factors.

RCM Unattended Noise Monitoring Results “Costa Vale” – Dec 2008

Date	Leq(day)	Leq(eve)	Leq(night)	L90(day)	L90(eve)	L90(night)
16/12/2008	40.7	39.7	38.7	30.7	29.2	29.2
17/12/2008	42.2	45.2	46.0	31.1	34.2	31.6
18/12/2008	44.3	44.7	48.2	29.4	29.9	37.8
LAeq	43	44	46	-	-	-
L90				31	30	32

RCM Unattended Noise Monitoring Results “Surrey” – Dec 2008

Date	Leq(day)	Leq(eve)	Leq(night)	L90(day)	L90(eve)	L90(night)
16/12/2008	42.5	41.8	40.4	30.5	31.4	27.4
17/12/2008	39.5	41.8	38.5	29.9	30.6	27.5
18/12/2008	47.2	41.6	41.4	31.0	32.2	26.7
LAeq	44	41	40	-	-	-
L90				31	31	27

Review of the above results indicate noise levels within compliance limits throughout the noise surveys.

Blast Monitoring

Blasting Results

Since the first shot there have been 19 blasts.

All blasts during this report period have been compliant within the limits of 115dBL and 5mm/s.

Blast #19 on the 24th April 2009 was not monitored as a result of the Orica operator unintentionally failing to set the monitors to capture the wave trace data. Four complaints were received following this blast (as outlined in the Complaints section of this report) and Orica have since supplied written advice regarding the incident.

To date, the highest overpressure recorded is 115.0 dBL recorded at “Costa Vale” on the 12th December 2008. The highest ground vibration recorded is 1.50 mm/s recorded at “Roseberry” on the 12th December 2008.

Air Quality

PM10 Results

The annual average for PM10 readings as determined from data from October 2008 through to April 2009 is as follows:

Glen Roc: 21.88ug/m³
Surrey: 13.69ug/m³

Running average PM10 levels at both monitoring points remains below the annual average limit of 30ug/m³. The 24hr criterion of 50ug/m³ has not been breached at either site, with the highest PM10 readings for each site to date as follows:

Costa Vale: 44ug/m³ on the 5th February 2009

Surrey: 33ug/m³ on the 31st December 2008

Deposited Dust Results

The Deposited Dust results obtained for the site to date are as follows:-

Air Quality (Dust Deposition) Results

Month	BD1 Costa Vale	BD2 Glenroc	BD3 Belah	BD4 Surrey	BD5 Stratford	BD6 Roseberry	BD7 Roseglass	BD8 Yarrowonga
March 2008	1.9	0.8	1.6	2.1	1.0	2.0	1.4	1.3
April 2008	1.8	1.3	1.1	0.9	0.8	0.7	1.4	1.1
May 2008	0.9	0.9	0.5	0.5	0.5	0.9	0.7	0.3
June 2008	0.6	0.6	0.4	0.4	0.2	0.7	0.7	0.5
July 2008	0.6	0.7	0.4	0.2	0.4	0.6	0.6	0.4
August 2008	1.1	0.7	0.6	0.4	0.7	0.7	0.7	0.6
September 2008	1.3	1.5	0.8	1.2	0.6	1.7	2.7	1.2
October 2008	1.6	1.3	1.4	1.0	0.7	1.0	1.1	1.5
November 2008	1.0	1.0	2.2	1.7	1.4	1.6	1.9	2.5
December 2008	NLS	1.0	1.0	0.8	0.7	0.8	1.4	0.7
January 2009	NLS	3.2	2.4	1.1	1.4	1.6	2.0	1.4
February 2009	NLS	0.7	1.1	0.6	3.2	0.6	0.8	1.3
March 2009	NLS	1.1	0.8	1.8	1.1	1.7	1.3	2.8
Average	1.2	1.1	1.1	1.0	1.0	1.1	1.3	1.2

The deposited dust levels have remained relatively consistent over the last 12 months, with no significant variation from background levels in early 2008 to dust levels since mine commencement. All monitors remain well within the standard concentration threshold of 4g/m²/month.

It should be noted that monitoring at the Costa Vale monitor ceased in December 2008 at the request of the landowner. An existing monitor at the "GlenRoc" property will continue to monitor deposited dust levels north of the mine site.

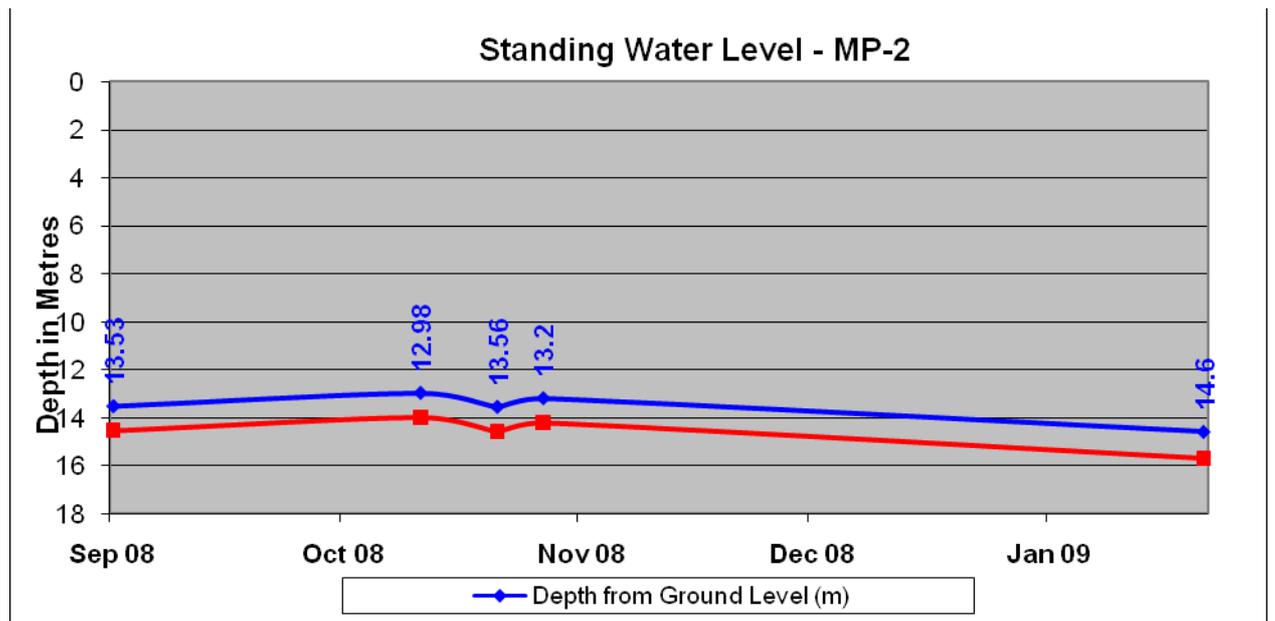
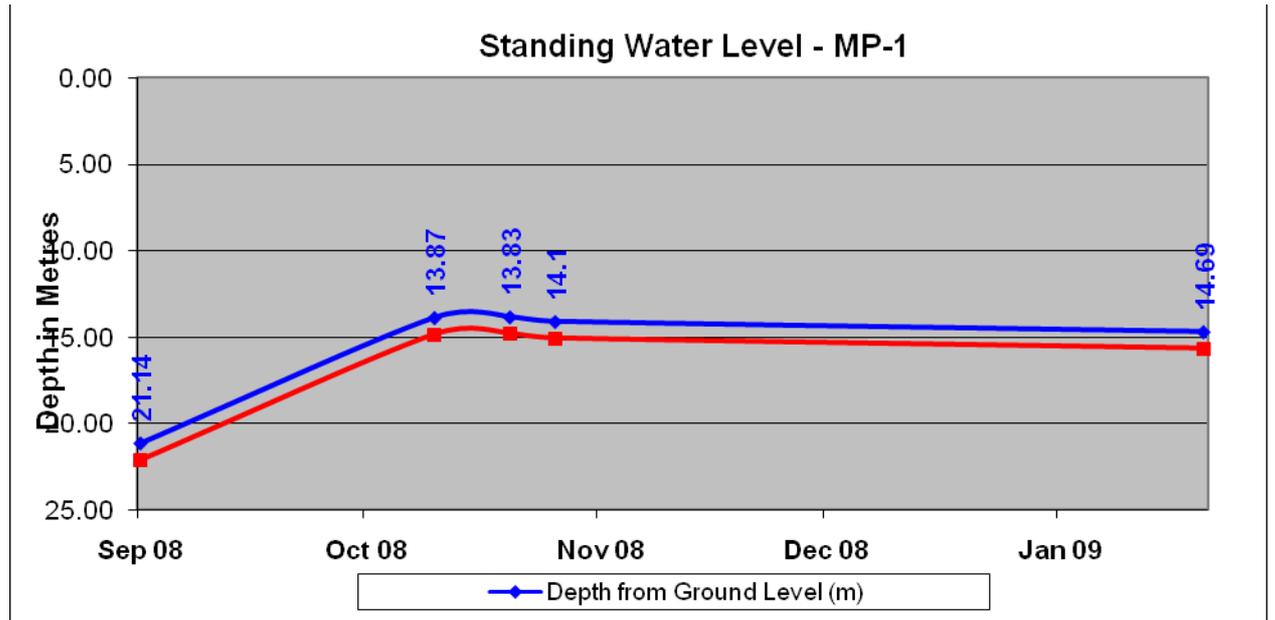
Water Monitoring

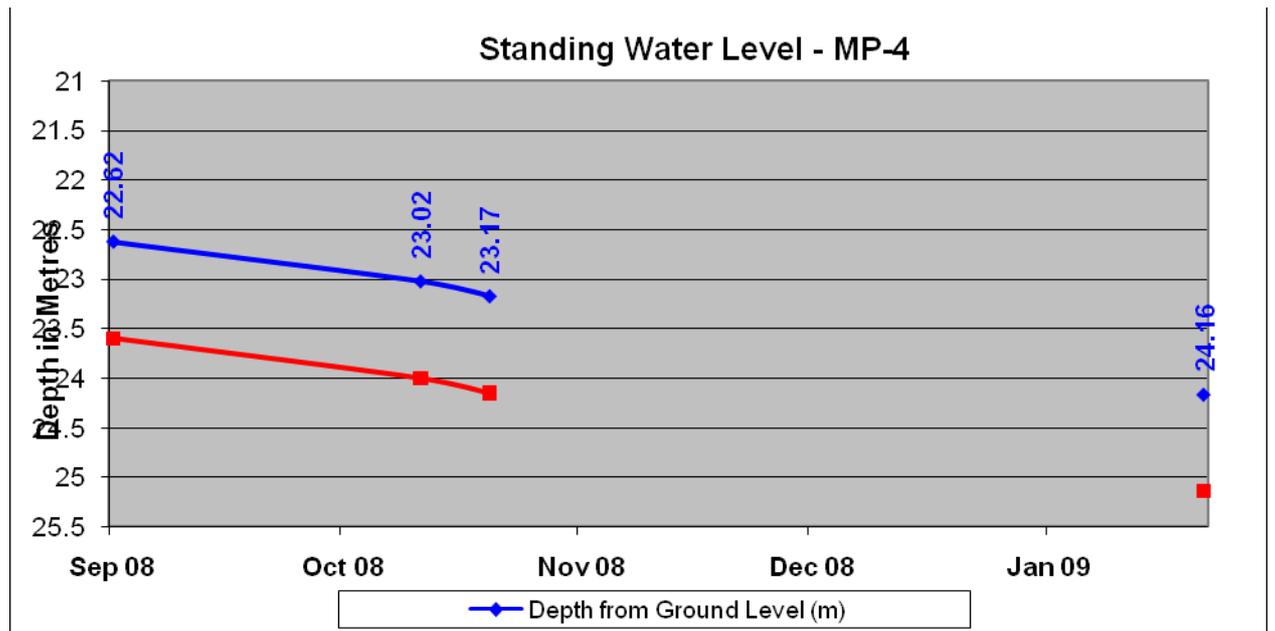
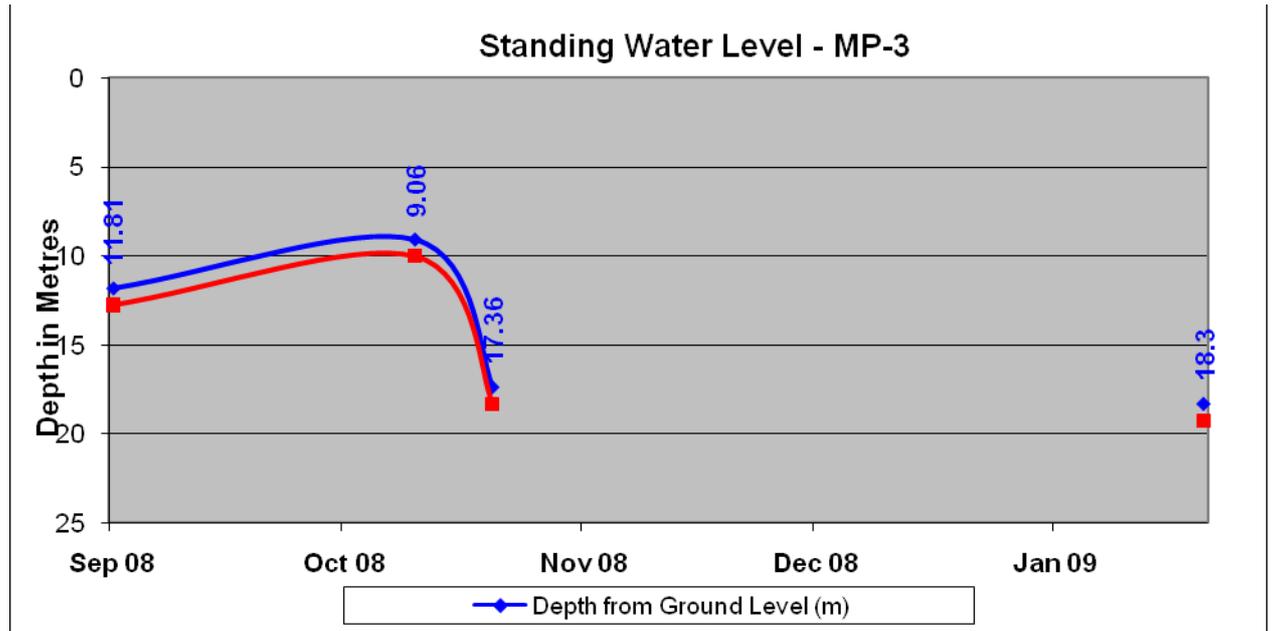
Ground Water

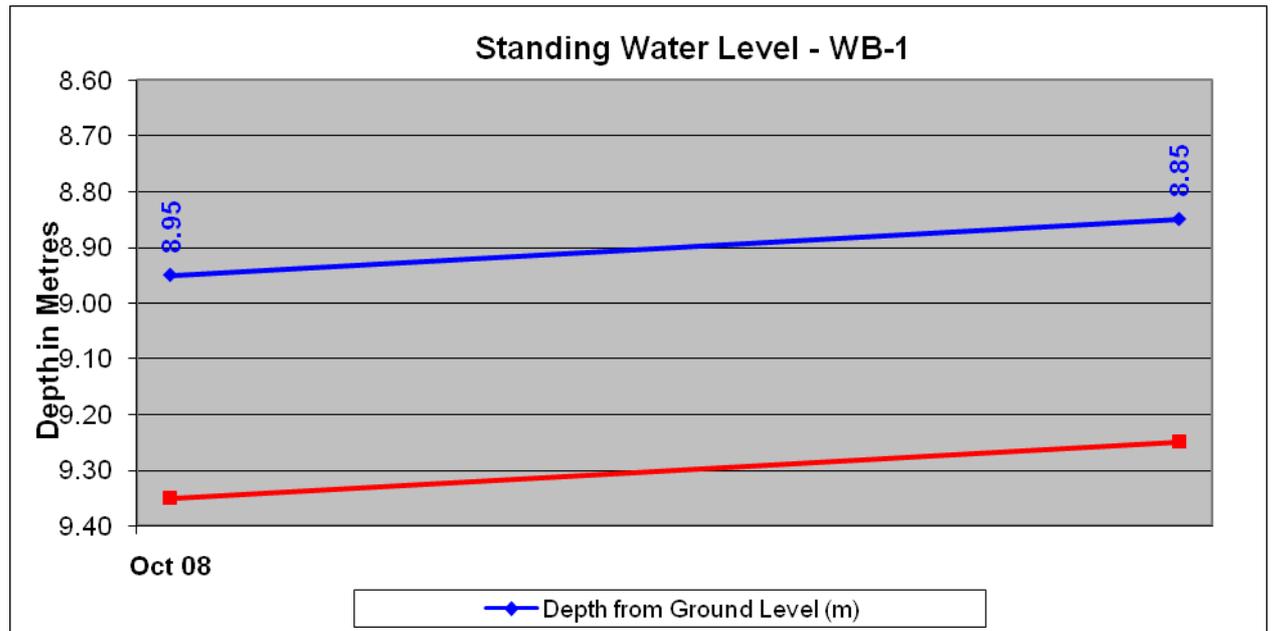
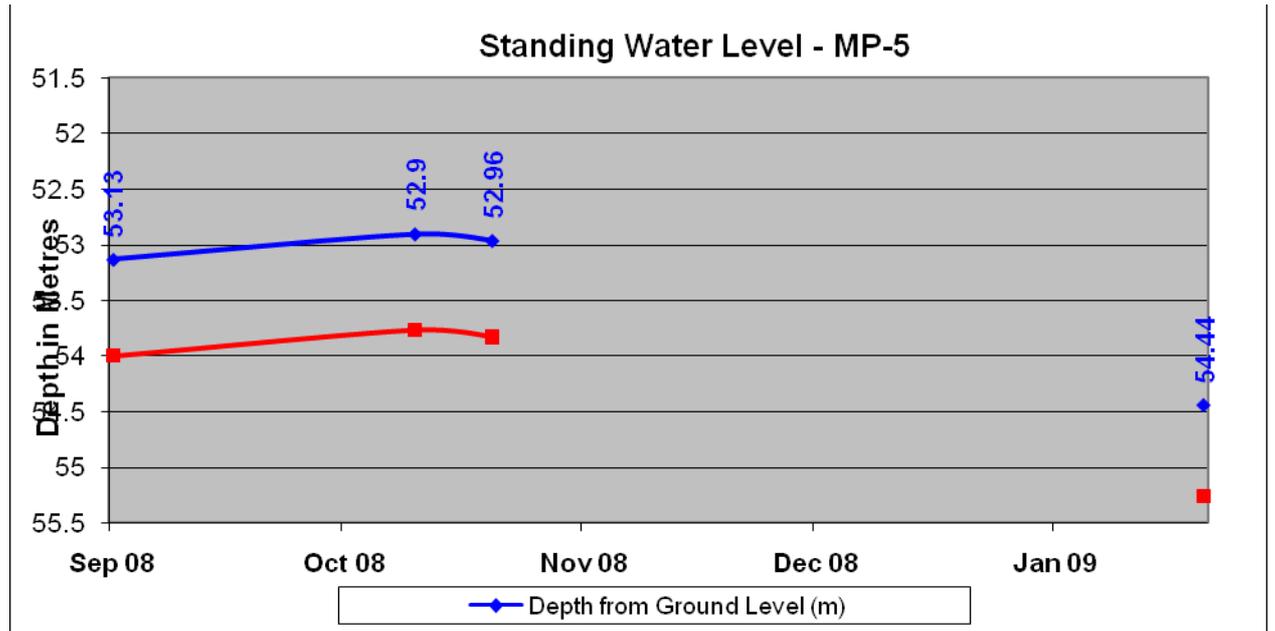
Groundwater monitoring obtained to date is presented in the following table. ALS are expected to commence groundwater monitoring this week. Results will be provided in the next CCC environmental monitoring report.

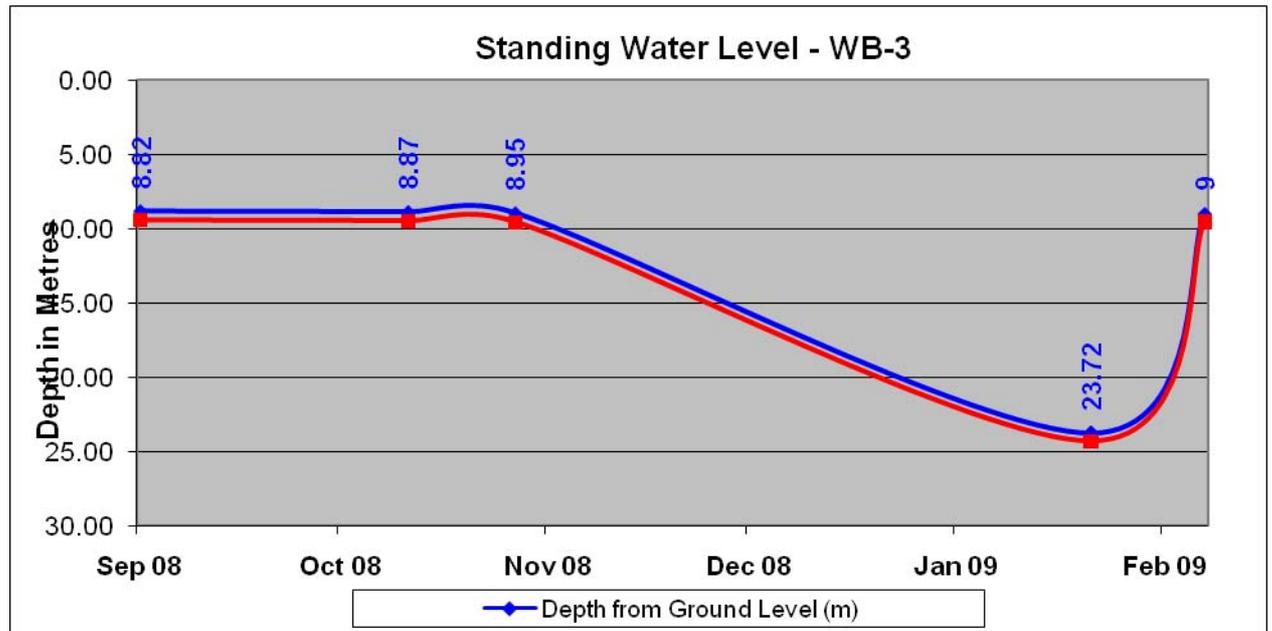
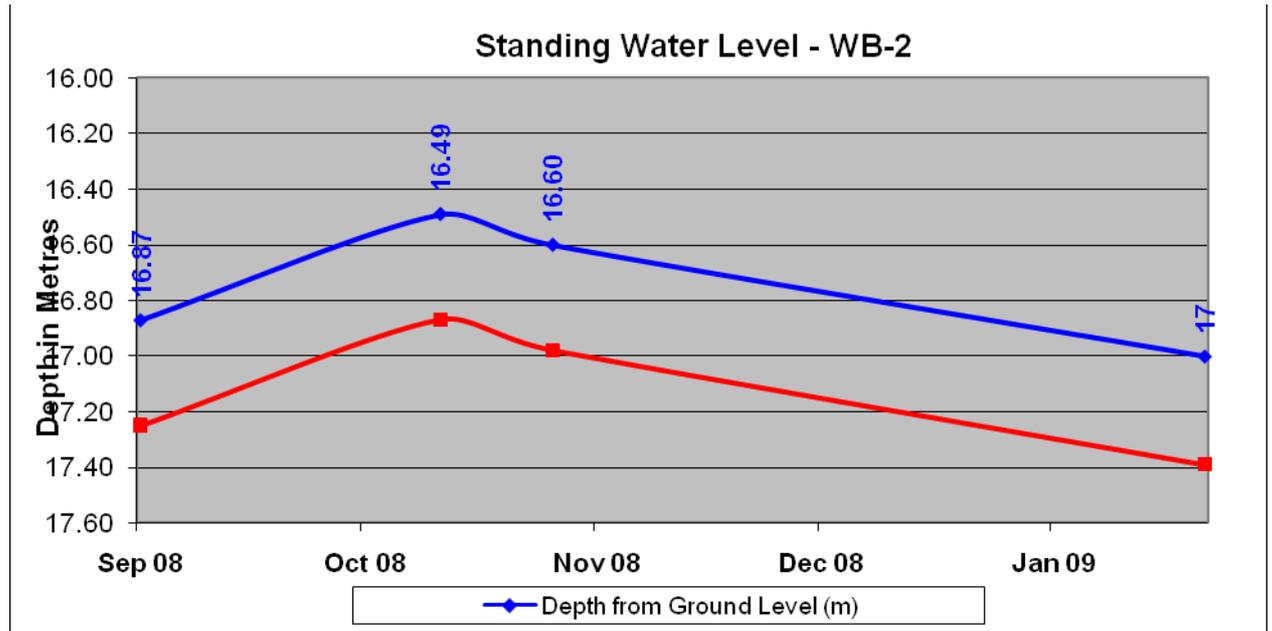
Site	Date	SWL (m)	pH	Elect. Conduct
MP1	September 08	21.14		
	13 October 08	13.87		
	23 October 08	13.83		
	29 October 08	14.10	7.6	2.36
	23 Jan 09	14.69		
MP2	September 08	13.53		
	13 October 08	12.98		
	23 October 08	13.56		
	29 October 08	13.20	7.3	4.18
	23 January 09	15.70		
MP3	September 08	11.81		
	13 October 08	9.06		
	23 October 08	17.36		
	29 October 08	N/S Bore Dry		
	23 January 09	19.24 (mud)		
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)		
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)		
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	3.43
	23 January 09	17.00		
WB3	September 08	8.82		
	13 October 08	8.87		
	29 October 08	8.95	7.2	4.48
	23 January 09	23.72		
	10 February	9.0		
WB4	Casing Sealed	No Access		

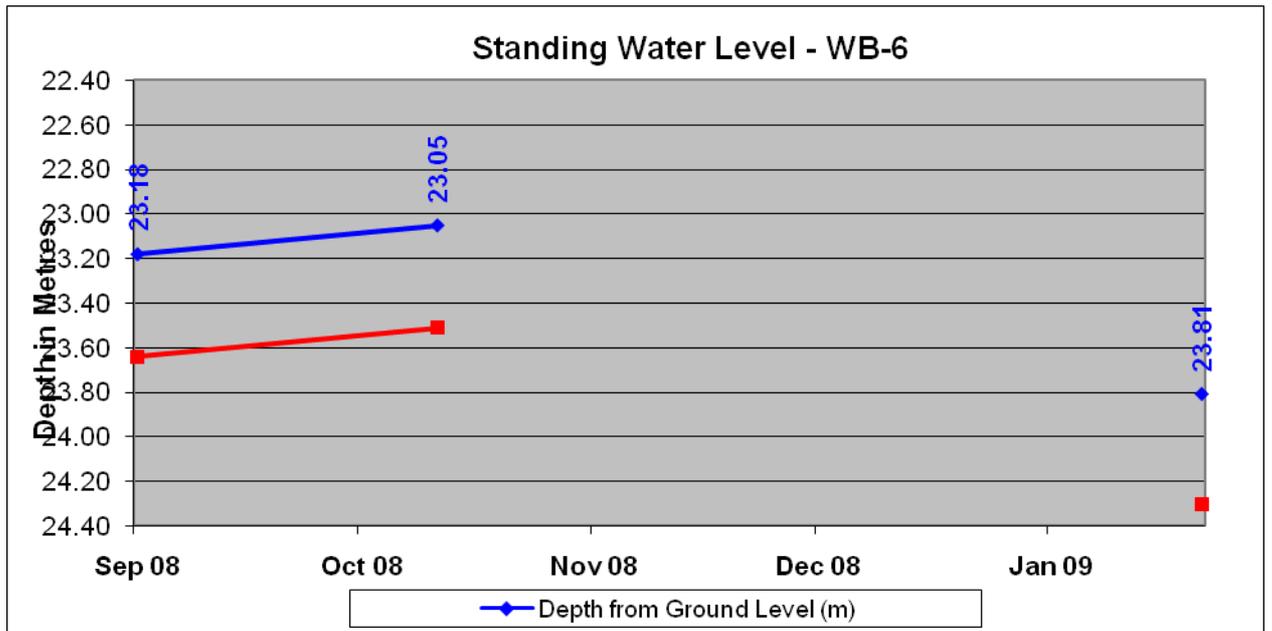
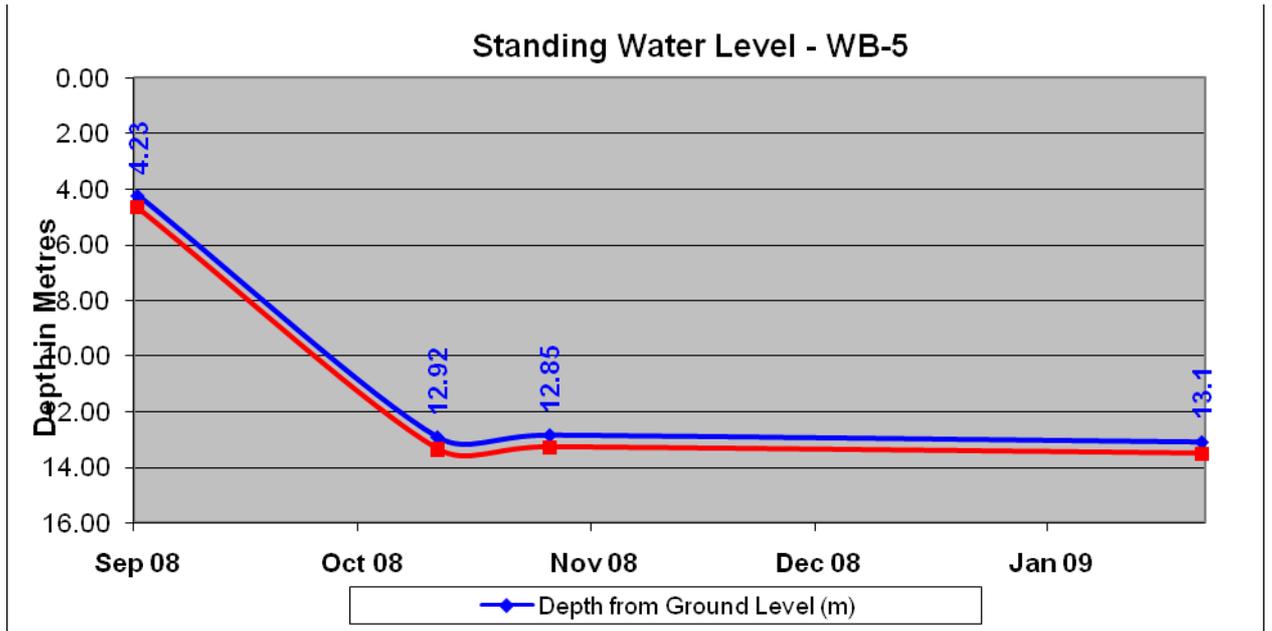
WB5	September 08	4.23		
	13 October 08	12.92		
	28 October 08	12.85	7.2	8.4
	23 January 09	13.1		
WB6	September 08	23.18		
	13 October 08	23.05		
	29 October 08	No Access		
	23 January 09	23.81		
WB7	September 08	41.75		
	13 October 08	19.11		
	28 October 08	18.90	7.2	2.73
	23 January 09	21.35		
WB8	September 08	No Access		
	13 October 08	No Access		
	29 October 08	No Access		
	23 January 09	46.4		
WB9	September 08	23.88		
	13 October 08	24.09		
	28 October 08	24.50	7.5	931
	23 January 09	24.27		
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		
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		
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		
Yarrari Prod	September 08	55.24		
	13 October 08	50.18		
	28 October 08	49.90	7.3	4.03
	27 January 09	49.90		
Wundurra Stud	27 January 09	20.37		

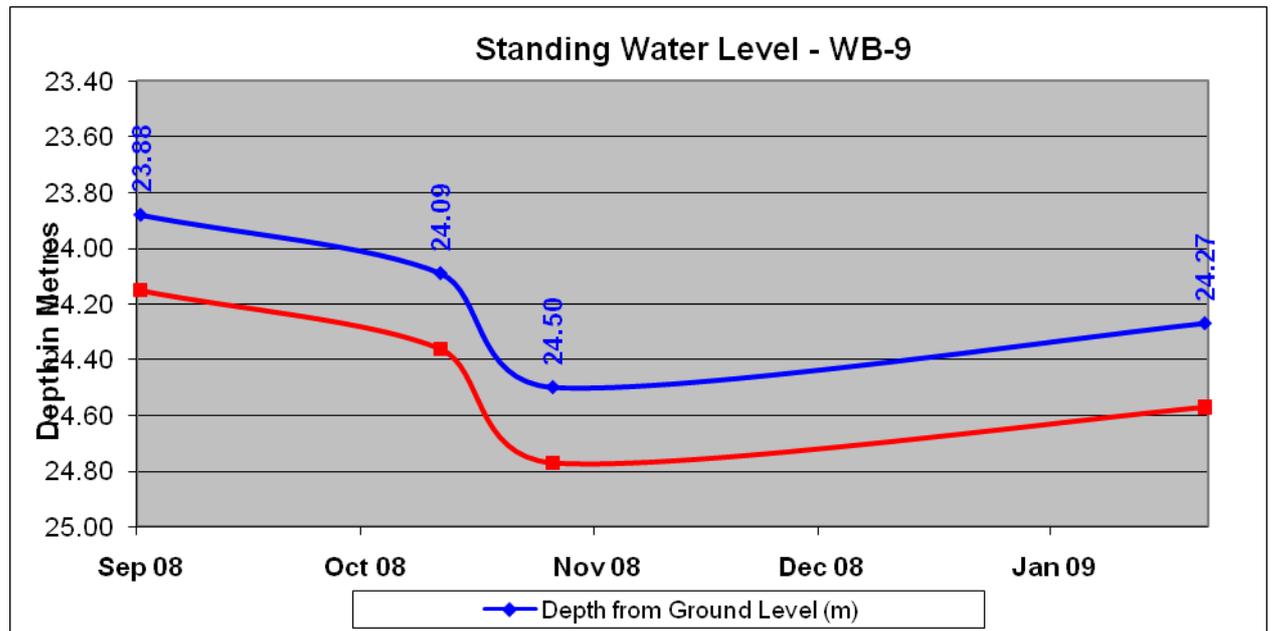
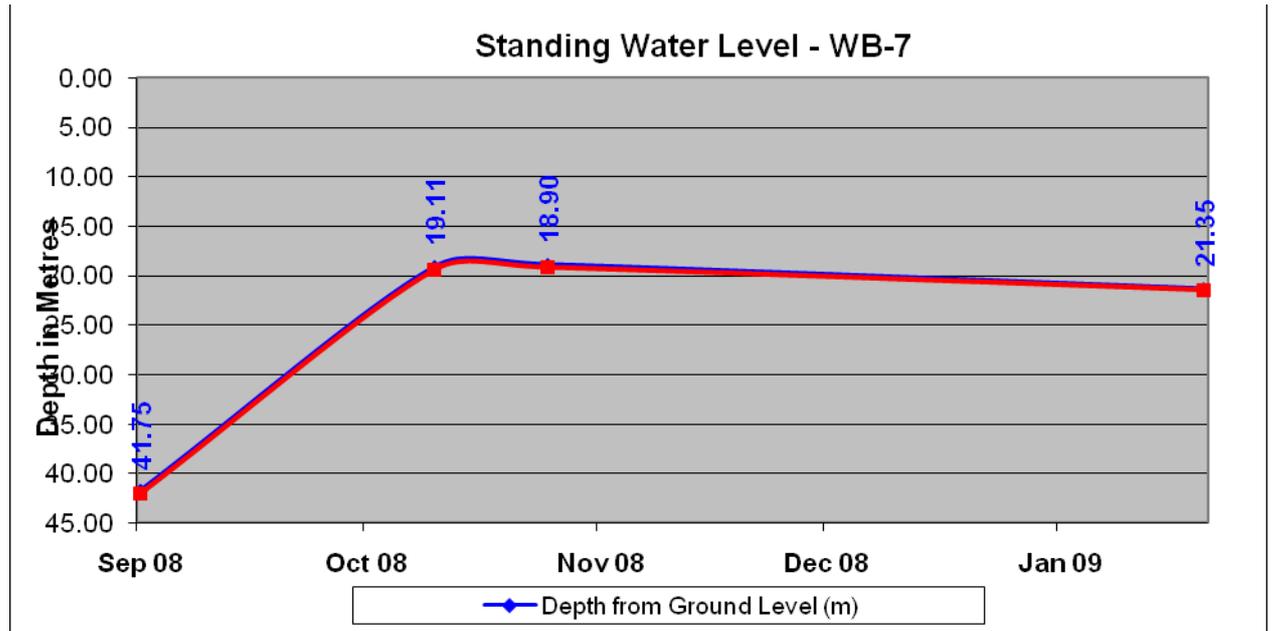


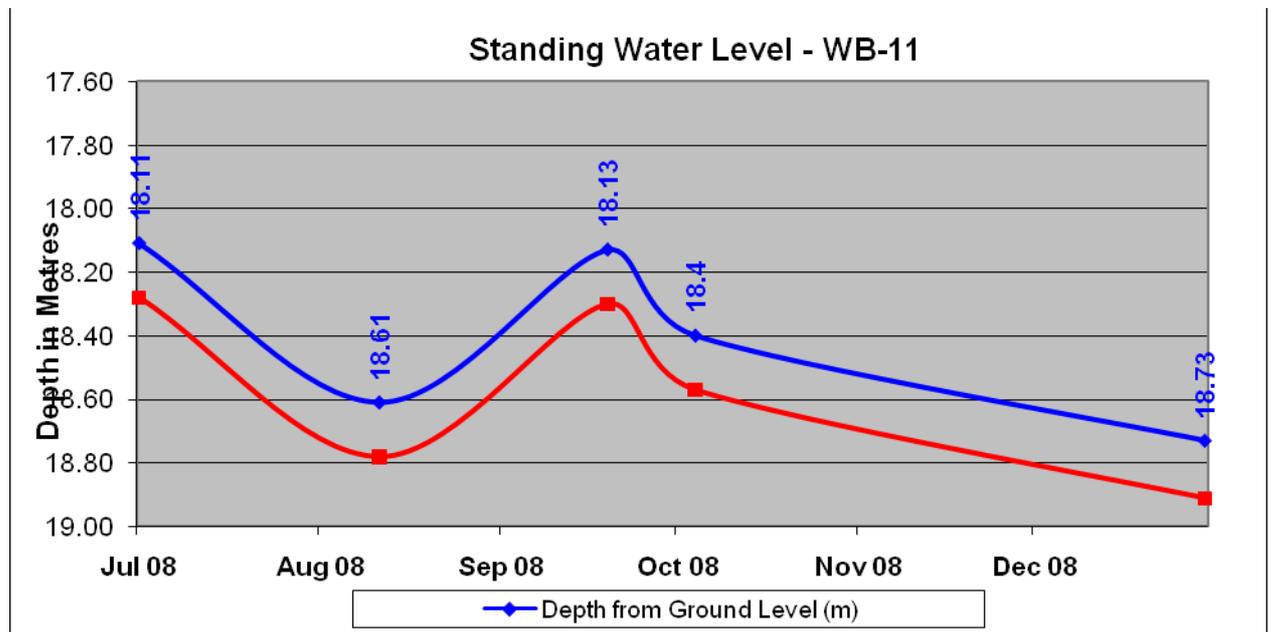
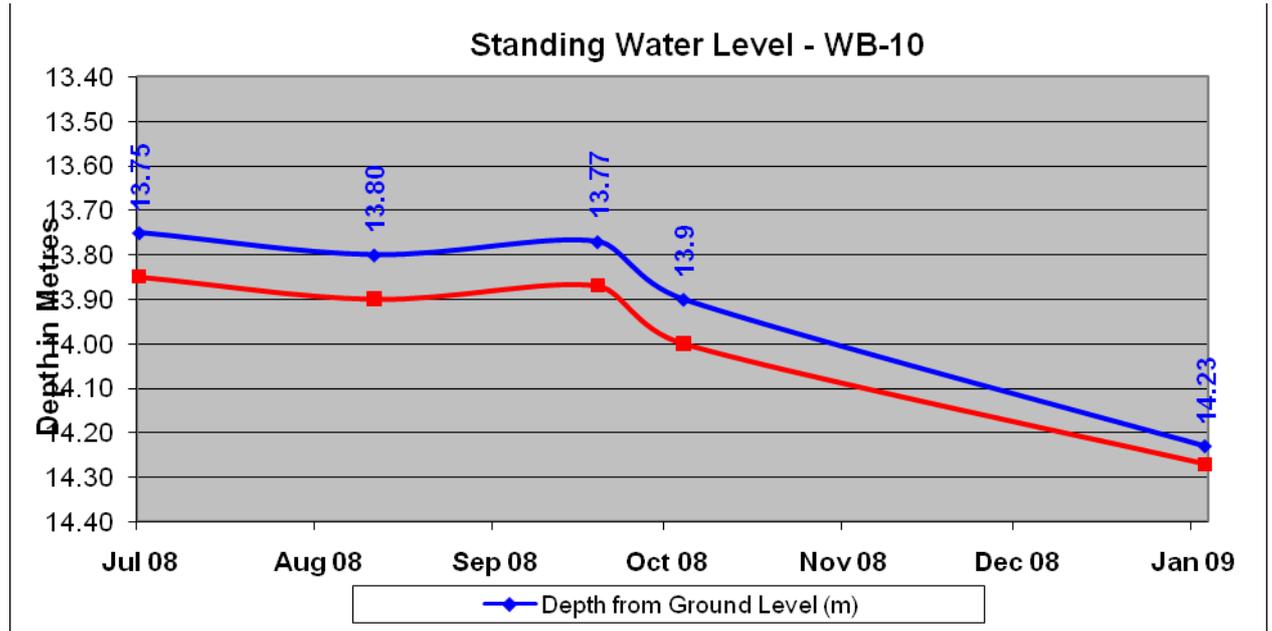


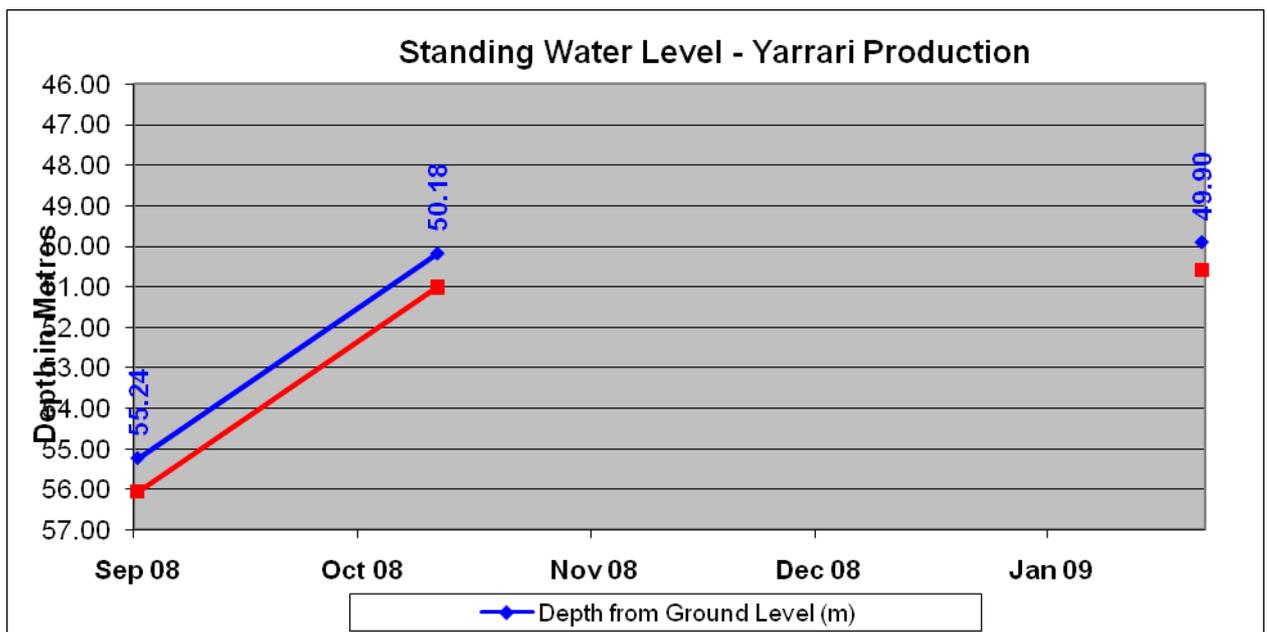
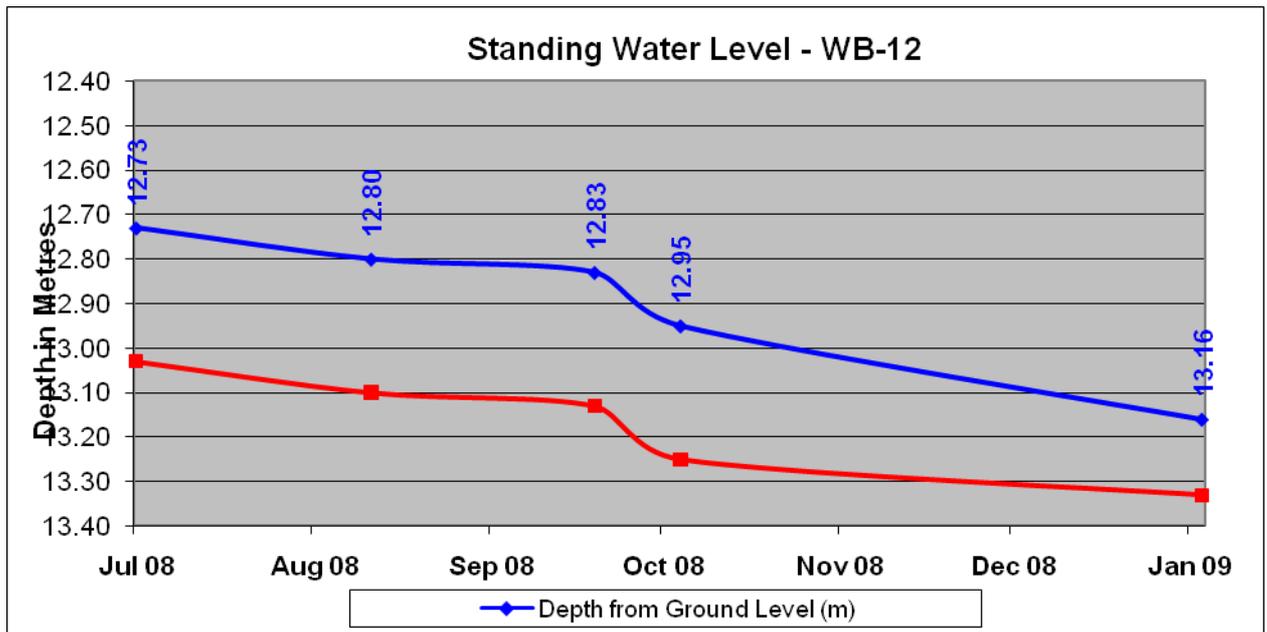












The results obtained to date are to establish background water levels and general variability in the water bores. As the mining operation is not making water in the pit from the coal seam, the operation to date would have had minimal impact on groundwater flows and levels. Ongoing monitoring will help establish general variability and trends in water level and chemistry as the operation progresses.

Surface Water

A variation application for the environment protection licence has been lodged with the DECC which will verify surface water monitoring points to assess compliance with concentration thresholds. Rocglen is still awaiting written approval for the variation. Until such time as these points are confirmed, monitoring has been undertaken from surface water flows south of the site during wet weather events for background data. No wet weather discharge events have occurred during the previous 3 months.

Surface water sampling will commence this month, in conjunction with groundwater monitoring, to obtain background water quality from on site storages. This data will be of relevance in the event of any future discharge from these storages during wet weather events.

Complaints

Since the last meeting there have been no complaints lodged on the complaints line, however four complaints were made directly to the Rocglen site office. These complaints were as follows:

20th April 2009

Loud bang and vibration at house at “Surrey” following blast on Friday morning (17th April 2009). Blast was the most significant to date and literally scared her due to the intensity of the blast. Was very upset by it and fears future blasting will be of a similar nature.

Danny Young contacted the complainant to discuss the blast. An offer was made to set up a blast monitor at the complainant’s residence for future blasts but was subsequently denied. The complainant was asked to contact the mine if they should require anything further.

20th April 2009

Loud bang and vibration at house at “Carlton” following blast on Friday morning. Blast was the most significant to date and was concerned as previous blasts had not resulted in any impact at their property.

Danny Young contacted the complainant to discuss the blast and asked that they contact either him or the mine should they have any further concerns in relation to future blasting.

20th April 2009

Loud bang and vibration at house on “Penryn” property following blast on Friday morning (17th April 2009), with strong smell of nitropril and dust. Blast

was the most significant to date and was concerned as previous blasts had not resulted in any impact at their property.

Danny Young contacted the complainant to discuss the blast and asked that they contact either him or the mine should they have any further concerns in relation to future blasting.

20th April 2009

Loud bang and vibration at house on “Brolga” property following blast on Friday morning. Blast was the most significant to date and was concerned as previous blasts had not resulted in any impact at their property.

The complainant contacted the site office to identify the extent of the blast at their property with no direct requirement for follow up.

It was identified that the blast was only of a relatively small size as compared to previous blasts and on that basis it was difficult to pinpoint a reason for the intensity at each of the properties. The shot was fired early in the morning which may have resulted in an inversion impact which would have intensified the outcome. Rocglen will endeavour to fire future shots over the winter period at around 12pm to avoid potential inversion impacts.

On check with Orica with regard to blast monitor results it was discovered that Orica had failed to properly initiate the monitor thereby did not obtain a blast monitor result. Orica have provided formal advice to Whitehaven as to the reasoning for this incident.

Minutes of Rocglen Coal Mine Community Consultation Committee

Meeting Held: Wednesday 12th August 2009

Venue: The meeting held at Rocglen Coal Mine Training Room

Commencement Time: 3:00pm. CCC representatives given a tour of the mine site.

1. Present and Apologies

Present: John Sturgess (Chairman)
Clr Collen Fuller (Gunnedah Shire Rep)
Mrs Pam Burns (Community Rep)
Mr Warren Nicholls (Community Rep)
Mr Rod Barnes (Community Rep)
Mr Danny Young (Environmental Manager – Whitehaven)
Mr Tony Jones (Community Liaison Officer)
Mr Tony Heinrich (Project Manager)
Mr John Molloy (Visitor – Toll Resources)

Apologies: Mr Casper Dieben (General Manager – Operations)
Mr Brian Cullen (General Manager – Technical Services)

2. Previous Minutes

The minutes of the previous meeting were accepted as a true record on the motion of Clr Colleen Fuller and Mr Warren Nicholls.

3. Business Arising from Previous Minutes

(1) It was reported that subject to weather conditions the current section of the Wean Road which was prepared for sealing would be completed and sealed by the middle of September.

4. Mine Progress Report

Tony Heinrich advised that production was on target to achieve ROM coal production in the vicinity of 1-1.2million tonnes of coal per year. During July, Rocglen produced 100,000 tonnes of coal and 1,000,000 bcm of overburden.

It was also reported that since the completion of production at the Canyon mine, the Rocglen operation had taken on 10 additional operators from the Canyon site, as well as 3 Dump Trucks (777) and a 1900 Excavator.

5. Review of Environmental Performance

Copy of report attached.

6. Complaints/Complaints Hotline

Nil formal complaints recorded.

Complaints generally discussed in the Environmental Monitoring report.

7. General Business

- 7.1 Mr Warren Nichols raised the question of mine vehicles, both staff and contractors continuing to use Wean Road. Tony Heinrich, Project Manager advised that staff and contractors have been advised to use the haul road for access at least until the Wean Road is sealed. Notwithstanding this, it was also advised that as Wean Road is a public road, the company would not be able to formally enforce such a policy. It was also advised that the reason for sealing that component of Wean Road was due to light vehicle access to the mine, and in this regard, upon sealing, Wean Road could expect mine related light vehicle traffic. It is expected that upon sealing of the road, the dust issue from use of Wean Road will be predominantly resolved.
- 7.2 The matter of lighting on the overburden dump was again raised as a concern. The meeting was advised that in the event that anyone had concerns in relation to lighting that they should contact the site direct at the time of the lighting issue, following which action would be taken to redirect lighting where possible. Unless the site is advised that direction of lighting is causing an issue, there is no opportunity for operational staff to seek to correct the issue at the time.
- 7.3 Mr Warren Nicholls indicated that staff involved in environmental monitoring work were still not providing timely advice of intent to enter private properties for monitoring/sampling. Mr Nicholl's was advised that contractors and staff had been advised of the requirement to provide notice and the matter would again be taken up with the parties involved to ensure appropriate notice is given.
- 7.4 Mr Warren Nicholls and Mr Rod Barnes raised concerns about Shannon Harbour Road being locked and access being denied to a public road. The meeting was advised that the lock on Shannon Harbour Road was a matter that needed to be discussed with Council as the authority responsible for the road. It was Whitehaven's view that

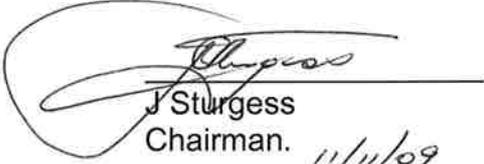
locking the Shannon Harbour Road was a requirement from the approval process associated with construction of the Rocglen haul route.

- 7.5 Mr Warren Nicholls and Rod Barnes raised concerns with the height of the overburden dump. The process of rehabilitation of the dump face was explained which eased their concerns with the knowledge that the current dump face was not the final shape of the dump. It was suggested that the committee be given a tour of the Canyon Coal Mine to demonstrate the type of rehabilitation that occurs on the overburden dump to provide an idea of the final shape and condition of the dump. Danny Young advised he would organise a bus to show committee members the Canyon site rehabilitation prior to the next committee meeting.
- 7.6 Rod Barnes was formally welcomed to the committee following his application and acceptance by the Department of Planning.
- 7.7 Rod Barnes raised concern with noise levels over the last month at his property. Danny Young advised that a new round of noise monitoring was due in September. It was also advised that sound power level testing would be undertaken on the equipment from the Canyon site to confirm sound power levels were within compliance limits.
- 7.8 John Molloy provided the meeting with an update of Toll operations in terms of coal haulage as follows:-
- All Toll trucks have had their exhaust brakes disconnected excluding those trucks recently purchased which have brakes that are generally quiet. Contract trucks still have exhaust brakes however these trucks are being progressively phased out.
 - Toll takes all complaints seriously and strives to meet required commitments. John Molloy reiterated to the meeting that anyone with concerns can contact him direct.
 - It was advised that Toll has a schedule in place whereby their trucks do not leave their Gunnedah depot until 6:07am in the morning.
 - Toll has recently invested in 8 new B-Doubles which gives them a fleet of trucks constructed between 2007-2009.
 - Each Toll truck carries a satellite system for movement tracking.
 - Maintains regular toolbox talks with drivers to emphasise safety and appropriate performance.
 - Toll trucks are speed limited to 94km/hr which is the most efficient operating speed for the truck in terms of fuel consumption and noise.

8.0 Next Meeting

The next meeting of the Rocglen CCC is scheduled for Wednesday 11th November 2009 at the Rocglen training room at 3:00pm.

Meeting closed 4:40pm.



J Sturgess
Chairman. 11/11/09

Rocglen Coal Mine Community Consultative Committee Meeting #4

Environmental Monitoring Report, April 2009 – June 2009

Noise Monitoring

Attended noise monitoring was undertaken on the 16th June 2009, as required for operational noise monitoring under the Noise Monitoring Program, with results outlined below:

RCM Noise Monitoring Results – 16 June 2009 (Day)				
Location	Time	dB(A),Leq	Wind speed/ direction	Identified Noise Sources
Surrey	11:45 am	41	0.5 m/s, S	Rooster (41), roadworks (28), RCM inaudible
Costa Vale	10:50 am	45	0.5 m/s, S	Birds & Insects (45), RCM (29)

RCM Noise Monitoring Results – 16 June 2009 (Evening)				
Location	Time	dB(A),Leq	Wind speed/ direction	Identified Noise Sources
Costa Vale	9:42 pm	37	1 - 2 m/s, S	Dogs (34), RCM (32) , wind (30)
Surrey	9:23 pm	30	1 - 2 m/s, S	Wind (28), RCM (25)

RCM Noise Monitoring Results – 16 June 2009 (Night)				
Location	Time	dB(A),Leq	Wind speed/ direction	Identified Noise Sources
Surrey	10:17 pm	28	1 m/s, S	RCM (25) , wind (24)
Costa Vale	10:40 pm	38	2 m/s, S	Wind (36), RCM (33)

The results indicate that, under the operational and atmospheric conditions at the time, noise emission from RCM were below the criterion of 35 dB(A) at both receivers.

Approvals for Rocglen require monitoring of cumulative mine-related traffic associated with the Tarrawonga, Canyon and Rocglen mines. Monitoring was conducted on Wednesday 17th June 2009 at the “Brooklyn” (2 residences) and “Werona” properties, with the following observations and results:

- 27 truck movements were recorded during the measurement period (9:06am to 10:06am) at “Brooklyn”. The total measured contribution from mine-related vehicles at Residence 1 at “Brooklyn” (approximately 90m from Blue Vale Road) was **54.0 dB(A)_{Leq (1 hour)}**. This is below the daytime criterion of **60 dB(A)_{Leq (1 hour)}**.
- The total measured contribution from mine-related vehicles at Residence 2 (approximately 480m from Blue Vale Road) was **45 dB(A)_{Leq (1 hour)}**. This is below the daytime criterion of **60 dB(A)_{Leq (1 hour)}**.
- Over the course of the measurement period at “Werona” there were 30 coal truck movements. The total measured contribution from mine-related vehicles at “Werona” was **47.0 dB(A)_{Leq (1 hour)}**. This is below the daytime criterion of **60 dB(A)_{Leq (1 hour)}**.

Unattended noise monitoring was carried out in June 2009 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 factors.

RCM Unattended Noise Monitoring Results “Costa Vale” – June 2009

Date	Leq(day)	Leq(eve)	Leq(night)	L90(day)	L90(eve)	L90(night)
16-Jun-09	45.4	30.3	45.6	27.9	25.6	25.5
17-Jun-09	44.5	29.6	45.9	30.1	26.6	25.8
18-Jun-09	46.3	39.7	46.4	30.4	29.5	25.2
19-Jun-09	46.5	37.9	45.4	29.7	31.5	26.9
LAeq	46	36	46	--	--	--
L90	--	--	--	30	28	26

RCM Unattended Noise Monitoring Results “Surrey” – June 2009

Date	Leq(day)	Leq(eve)	Leq(night)	L90(day)	L90(eve)	L90(night)
16-Jun-09	45.6	38.3	44.0	30.0	32.0	27.5
17-Jun-09	48.0	43.5	45.9	27.4	31.9	25.3
18-Jun-09	45.8	39.5	47.5	28.1	25.7	26.0
19-Jun-09	46.9	37.4	45.7	32.0	31.3	31.4
LAeq	47	40	46	--	--	--
L90	--	--	--	29	32	27

Blast Monitoring

Blasting Results

Since the first shot there have been 28 blasts. All blasts during this report period have been compliant within the limits of 115dB_L and 5mm/s.

To date, the highest overpressure recorded is 115.0 dB_L recorded at “Costa Vale” on the 12th December 2008. The highest ground vibration recorded is 1.50 mm/s recorded at “Roseberry” on the 12th December 2008.

Air Quality

PM10 Results

The annual average for PM10 readings as determined from data from October 2008 through to June 2009 is as follows:

Glen Roc: 20.77ug/m³
Surrey: 13.76ug/m³
Roseberry: 4.00ug/m³

Roseberry has been included in the PM10 monitoring as the HVAS was relocated from Surrey to Roseberry following discussions with landholders. This change in location of the HVAs has been approved through the DECC.

Running average PM10 levels remain below the annual average limit of 30ug/m³. The 24hr criterion of 50ug/m³ was breached at the Glen Roc monitor on the 12th May 2009, with a reading of 66ug/m³. On investigation it was determined that wind directions and operations on site (scraper operations) were not conducive to causing a significant increase in PM10 levels. This was reported to both the DECC and DoP who concurred with our findings. Since this exceedance PM10 levels at Glen Roc have been well within compliance limits.

The highest PM10 readings at each site are as follows:

Glen Roc: 66ug/m³ on the 12th May 2009
Surrey: 33ug/m³ on the 31st December 2008
Roseberry: 4ug/m³

Deposited Dust Results

The Deposited Dust results obtained for the site to date are as follows:-

Air Quality (Dust Deposition) Results

Month	BD1 Costa Vale	BD2 Glenroc	BD3 Belah	BD4 Surrey	BD5 Stratford	BD6 Roseberry	BD7 Roseglass	BD8 Yarrowonga
July 2008	0.6	0.7	0.4	0.2	0.4	0.6	0.6	0.4
August 2008	1.1	0.7	0.6	0.4	0.7	0.7	0.7	0.6
September 2008	1.3	1.5	0.8	1.2	0.6	1.7	2.7	1.2
October 2008	1.6	1.3	1.4	1.0	0.7	1.0	1.1	1.5
November 2008	1.0	1.0	2.2	1.7	1.4	1.6	1.9	2.5
December 2008	NLS	1.0	1.0	0.8	0.7	0.8	1.4	0.7
January 2009	NLS	3.2	2.4	1.1	1.4	1.6	2.0	1.4
February 2009	NLS	0.7	1.1	0.6	3.2	0.6	0.8	1.3
March 2009	NLS	1.1	0.8	1.8	1.1	1.7	1.3	2.8
April 2009	NLS	1.2	0.8	1.3	1.3	0.7	0.8	0.6
May 2009	NLS	1.1	0.4	0.5	0.4	0.5	0.9	0.6
June 2009	NLS	0.6	0.5	0.3	0.2	0.4	0.4	0.4
Annual Average	1.1	1.2	1.0	0.9	1.0	1.0	1.2	1.2

The deposited dust levels have remained relatively consistent over the last 12 months, with no significant variation from background levels in early 2008 to dust levels since mine commencement. All monitors remain well within the standard concentration threshold of 4g/m²/month.

Water Monitoring

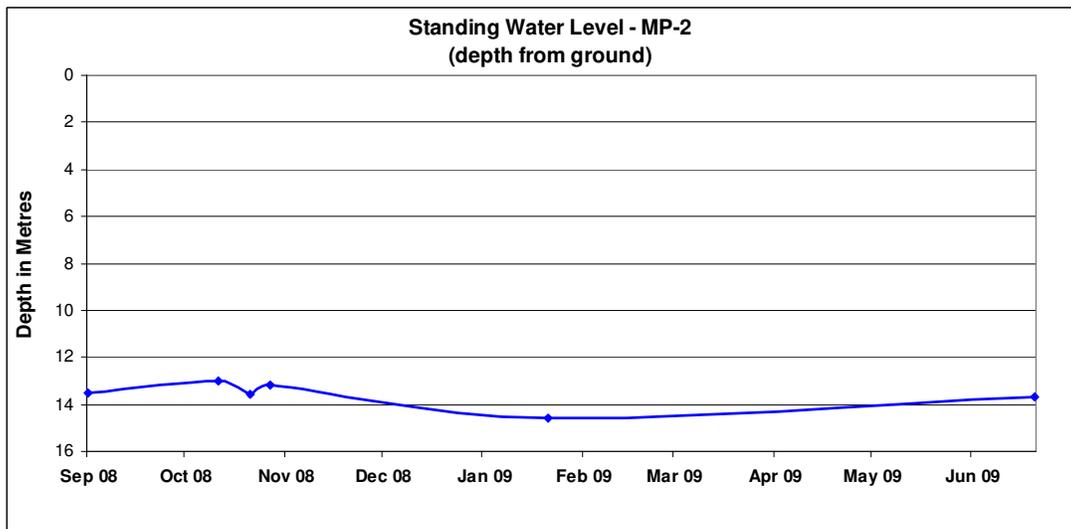
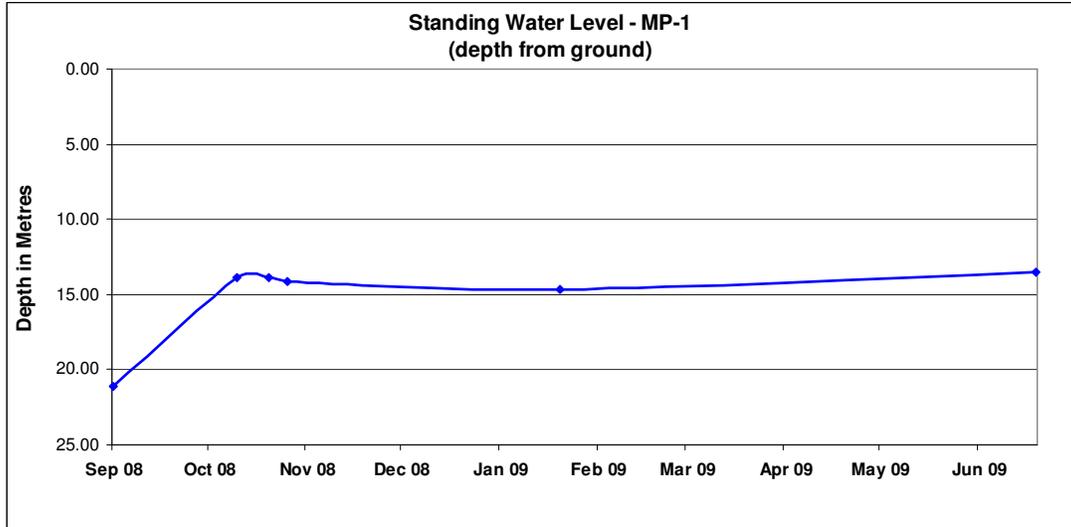
Ground Water

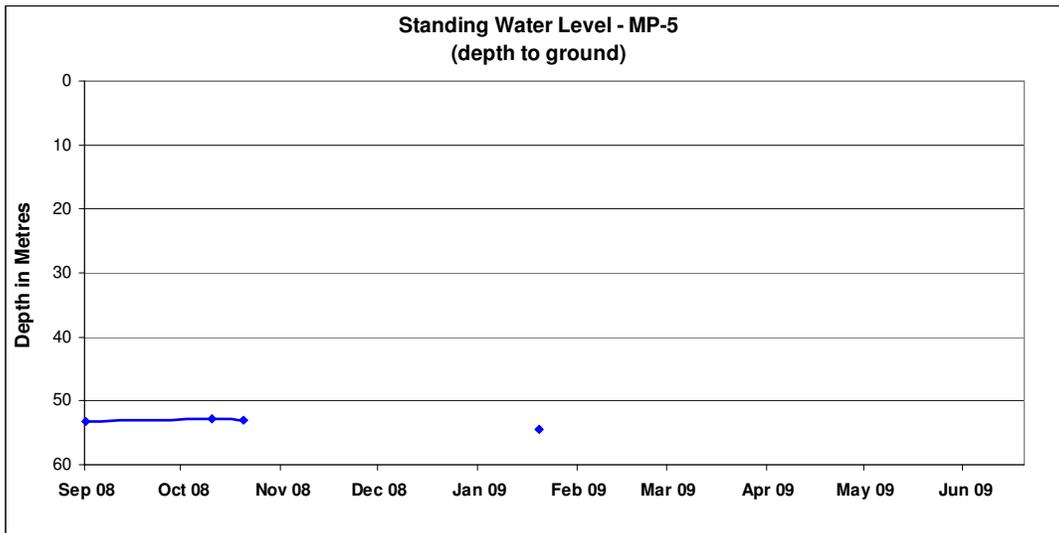
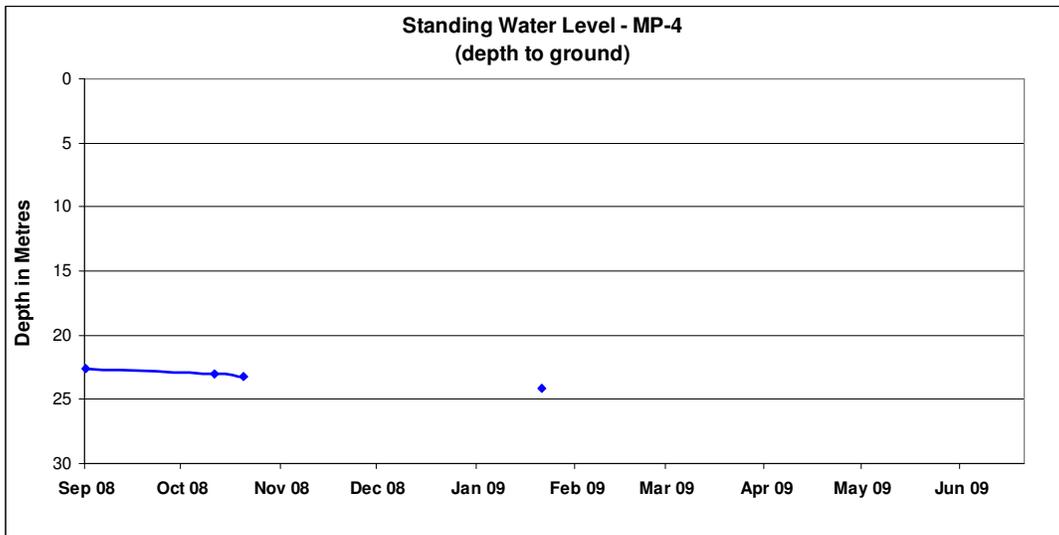
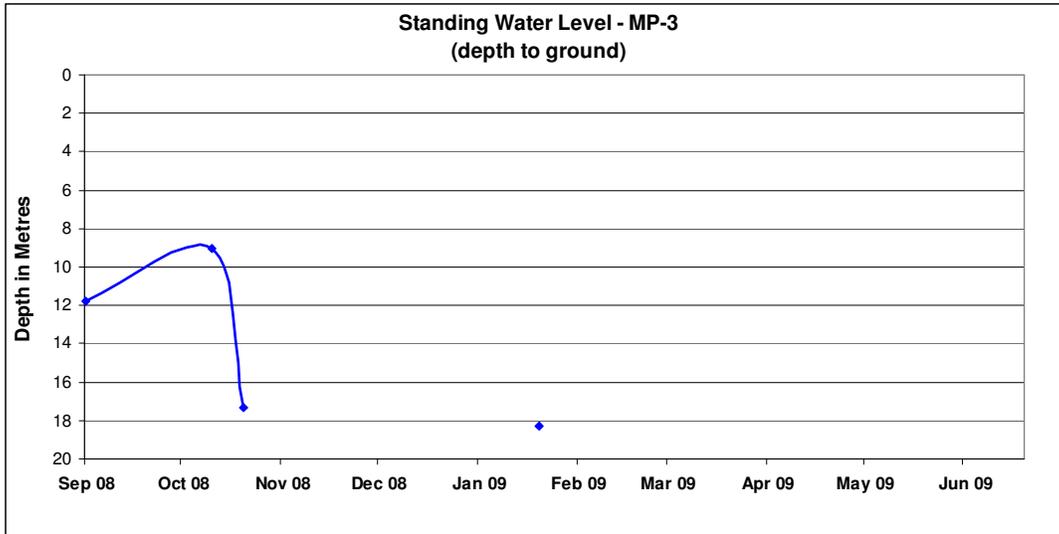
Groundwater monitoring data obtained to date is presented in the following table, including the June 2009 data.

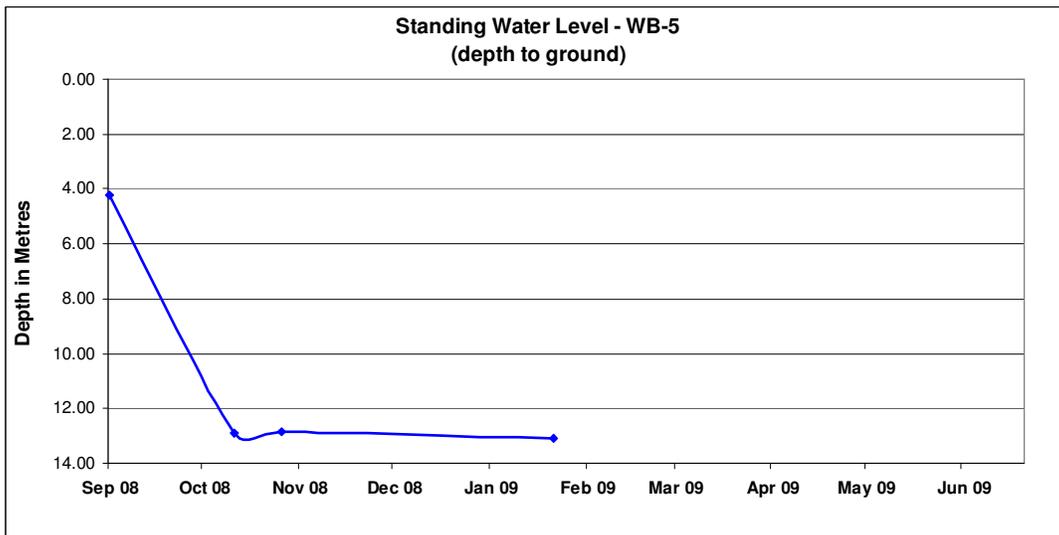
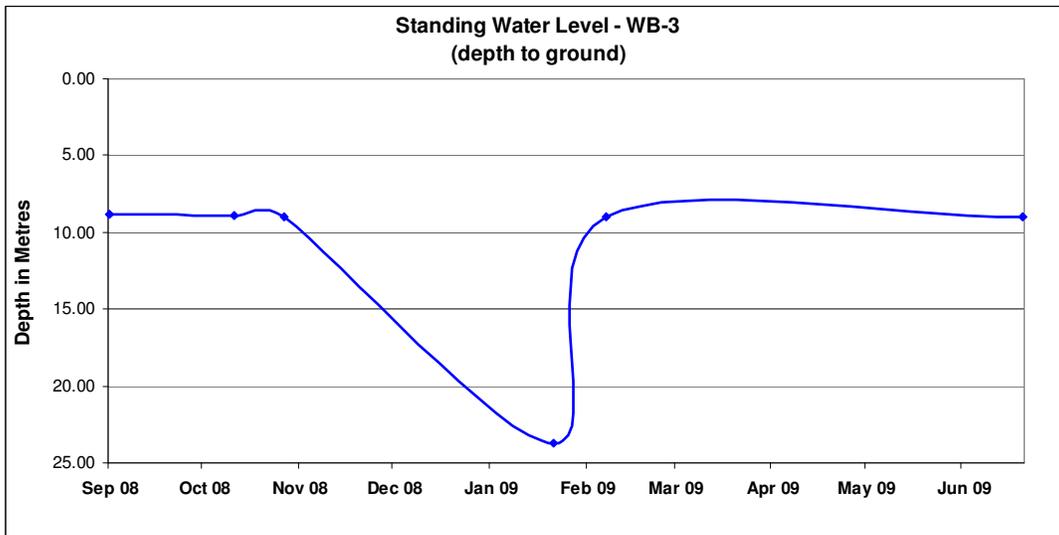
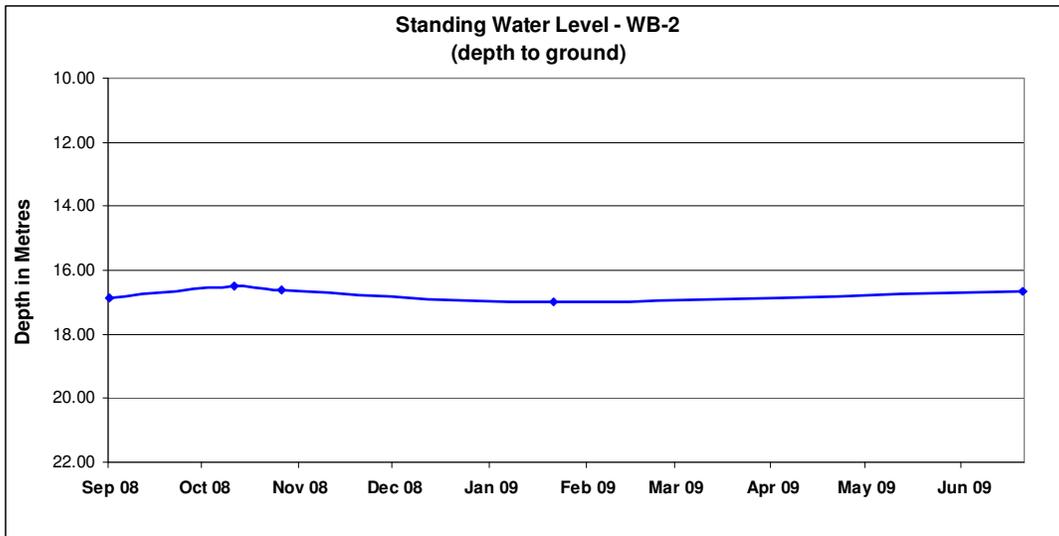
Site	Date	SWL (m)	pH	Elect. Conduct µs/cm
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	13 October 08	13.87		
	23 October 08	13.83		
	29 October 08	14.10	7.6	2360
	23 January 09	14.69		
	22 June 09	13.55	7.8	2250
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	23 October 08	13.56		
	29 October 08	13.20	7.3	4180
	23 January 09	14.60		
	22 June 09	13.70	7	5210
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	13 October 08	9.06		
	23 October 08	17.36		
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	28 October 08	8.85	7.9	1996
	NO ACCESS			
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	13 October 08	16.49		
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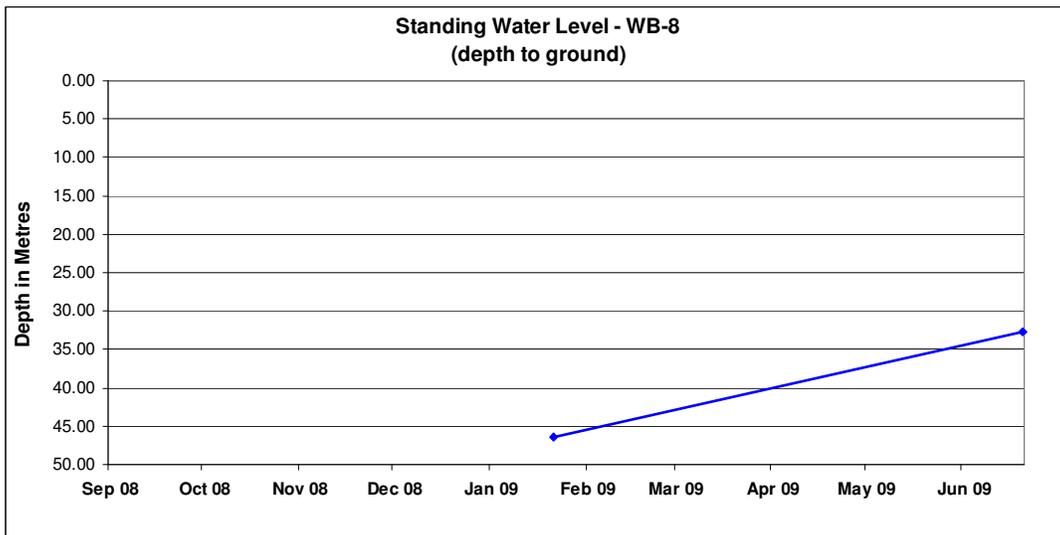
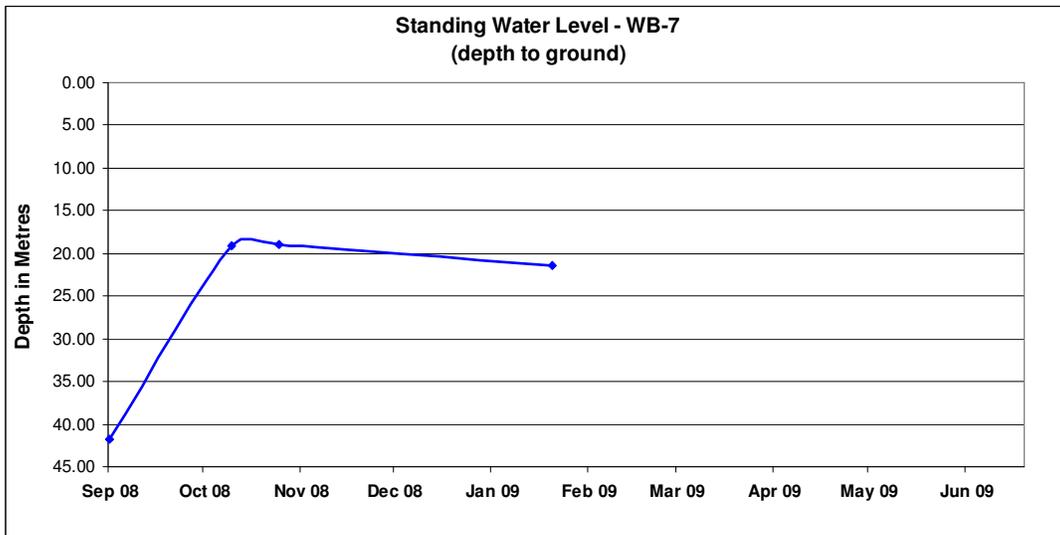
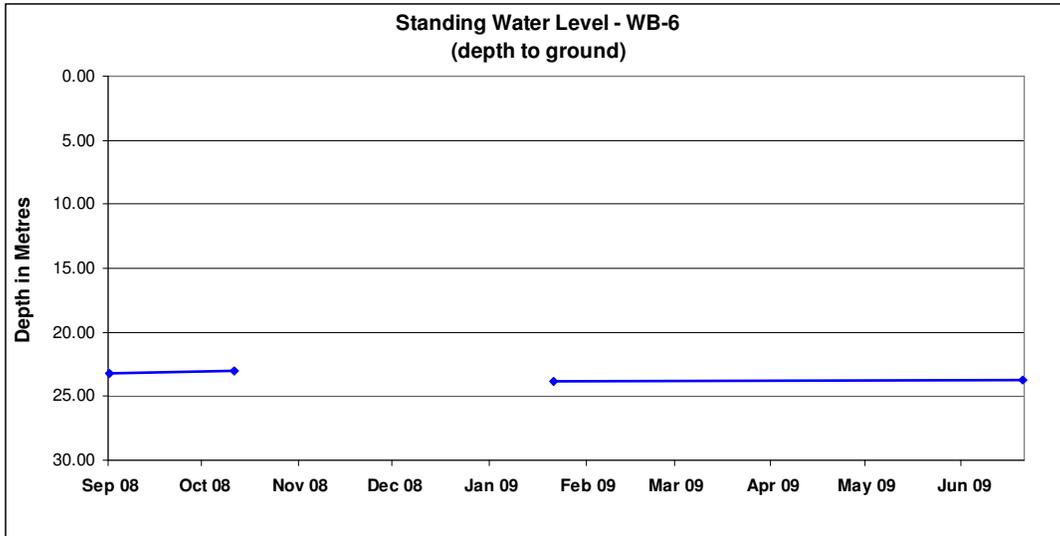
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	22 June 09	14.01	7	2220
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	September 08	18.61		
	13 October 08	18.13		
	28 October 08	18.4	7.5	1086
	27 January 09	18.73		
	22 June 09	18.1	8	880
WB12	July 08	12.73		
	September 08	12.80		
	13 October 08	12.83		

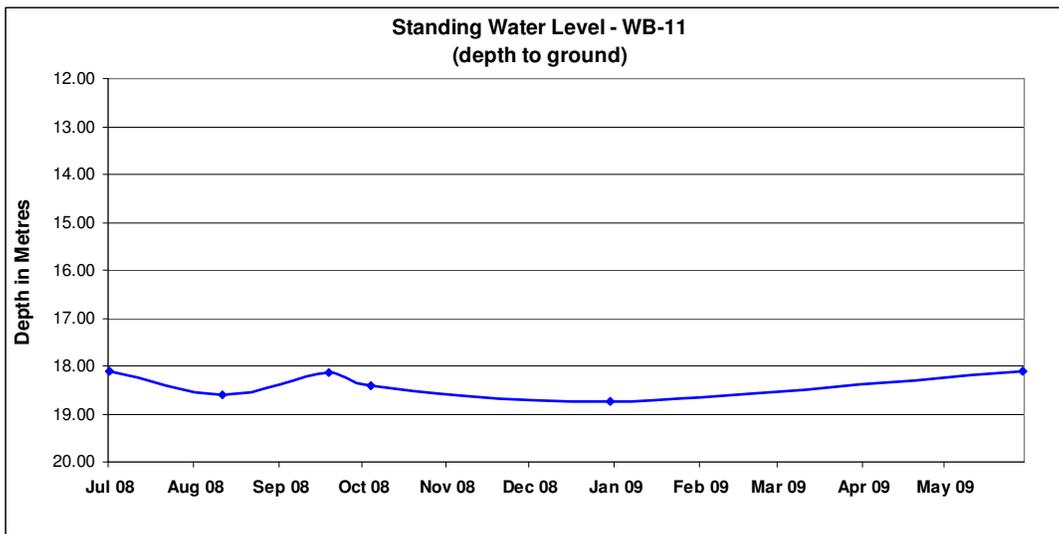
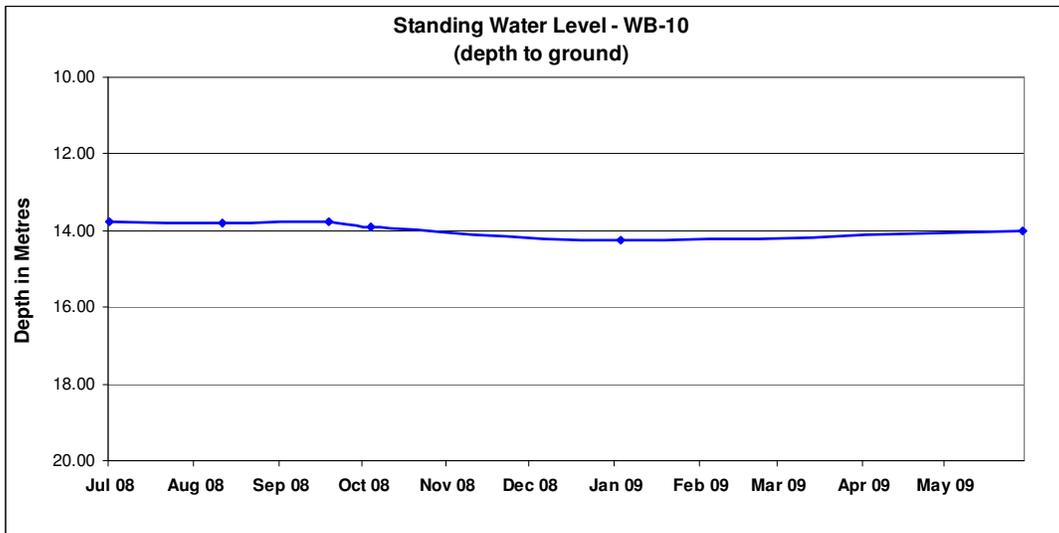
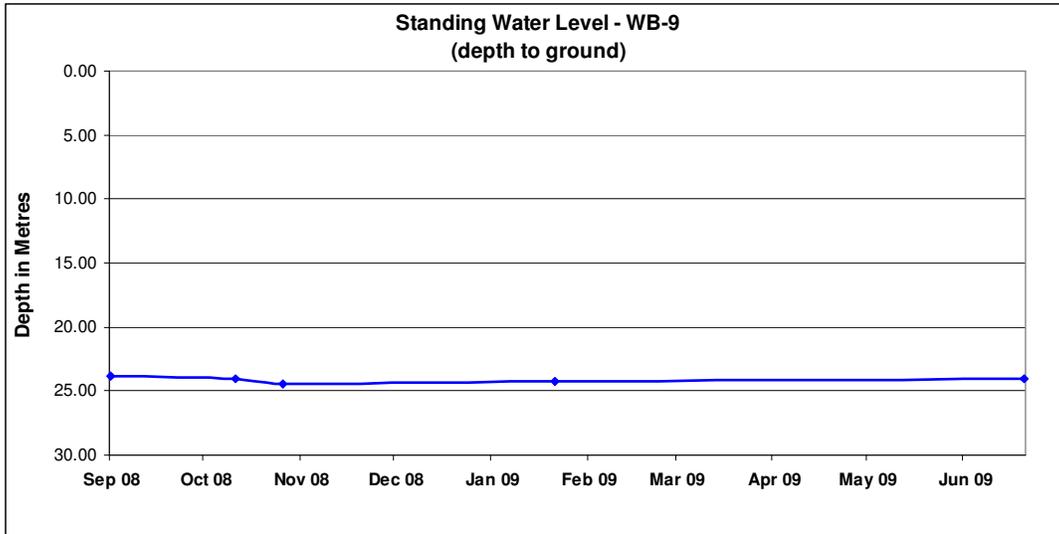
	28 October 08	12.95	8.1	2152
	27 January 09	13.16		
	22 June 09	12.99	8	2070
Yarrari Prod	September 08	55.24		
	13 October 08	50.18		
	28 October 08	49.90	7.3	4030
	27 January 09	49.90		
	22 June 09	>50	7.1	3580
Wundurra Stud	27 January 09	20.37		

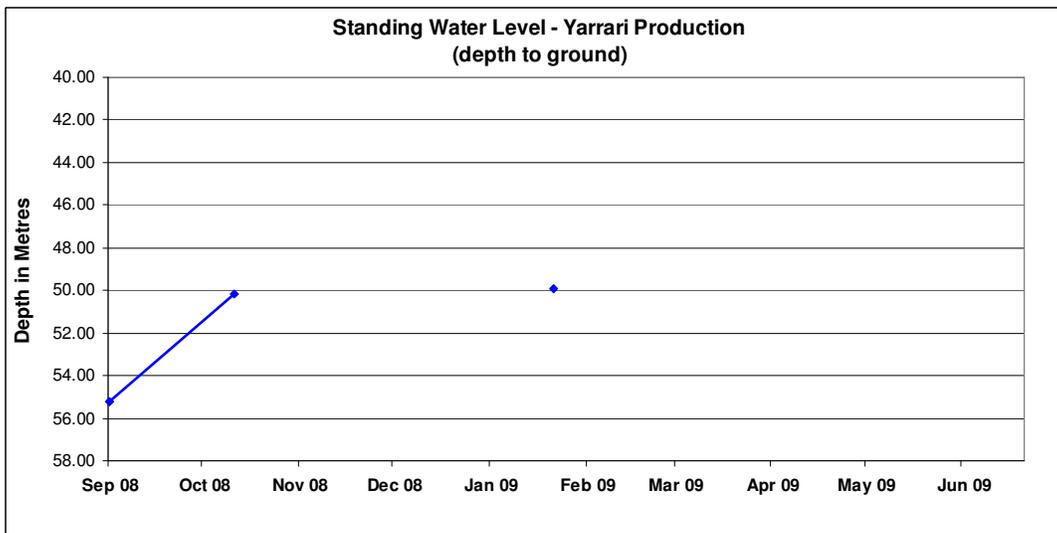
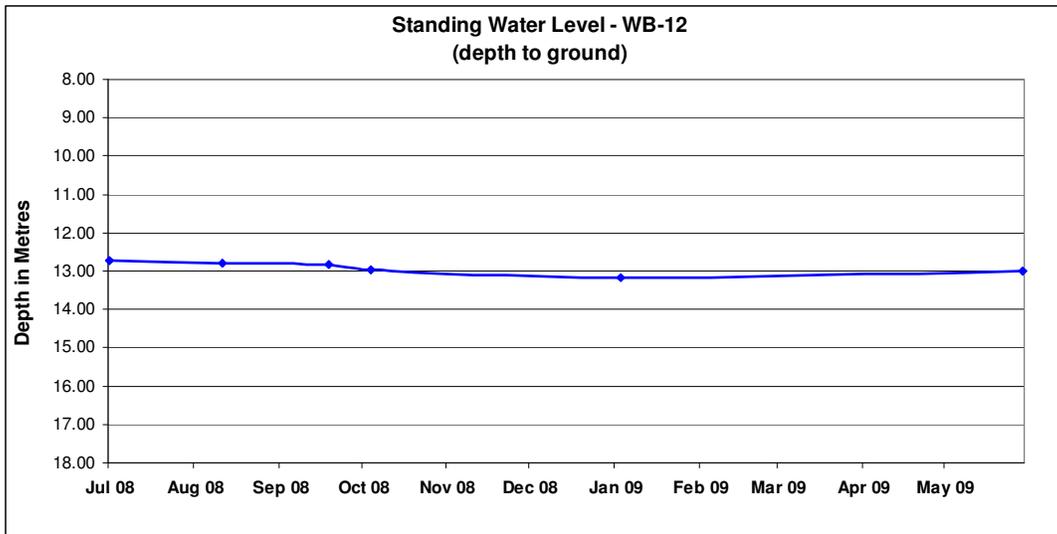












The latest round of results included full water quality analysis which is available for review by members on request. Not all bores sampled had Standing Water Level checks completed due to access issues. An additional full sampling round during August will seek to monitor all Standing Water Levels which will be provided at the next CCC meeting. Results to date have been relatively consistent, albeit the monitoring piezometers MP3, MP4 and MP5 which were installed to intersection of first waters during initial drilling have remained dry. On this basis, data loggers have not been installed in these piezometers which may require deepening or relocating in order to provide beneficial monitoring data.

Surface Water

An updated Environment Protection Licence was issued by the DECC on the 19th May 2009 to include the nominated monitoring locations during wet weather discharge events. No wet weather discharge events have occurred during the previous 3 months.

Surface water sampling was undertaken at selected sites in June 2009 to obtain background water quality data. The results indicated that water quality is reasonable, however total suspended solids (TSS) were slightly elevated (1340mg/L) in SD3, which is the final discharge dam adjacent to the site office. The elevated TSS is due to the low level of water in the dam at the time of sampling which is also indicative of a low level of risk of site discharge.

Complaints

No complaints have been received since the previous CCC meeting. Discussions were, however, held with Rod Barnes at Surrey pertaining to a bore collapse following the blast on the 24th April. Whilst there was no real means of assessing if the blast caused the bore collapse, Whitehaven has agreed to a new water bore being established as a replacement.

Please note the previous CCC meeting environmental monitoring report contained incorrect dates for the listed complaints. All four complaints should have been listed as occurring on the 24th April 2009 in relation to the blast which occurred on that day.

Minutes of Rocglen Coal Mine Community Consultation Committee

Meeting Held: Wednesday 11th November 2009

Venue: The meeting held at Rocglen Coal Mine Training Room

Commencement Time: 3:00pm.

1. Present and Apologies

Present: Mr John Sturgess (Chairman)
Mrs Pam Burns (Community Rep)
Mr Rod Barnes (Community Rep)
Mr Tony Heinrich (Project Manager)
Miss Jill Scealy (Environmental Officer – Whitehaven)

Apologies: Cllr Colleen Fuller (Gunnedah Shire Rep)
Mr Warren Nicholls (Community Rep)
Mr Danny Young (Environmental Manager – Whitehaven)
Mr Tony Jones (Community Liaison Officer)
Mr Casper Dieben (General Manager – Operations)
Mr Brian Cullen (General Manager – Technical Services)

2. Previous Minutes

The minutes of the previous meeting were accepted as a true record on the motion of Mrs Pam Burns and Mr Rod Barnes.

3. Business Arising from Previous Minutes

- 3.1. Wean Road has been sealed however another coat of seal will be applied during the hotter months to finalise the roadworks.
- 3.2. Environmental monitoring personnel have contacted all property owners where monitoring is conducted. Those who expressed interest in being contacted on a regular basis are now contacted prior to each monitoring event.
- 3.3. A tour of Canyon Mine to assess rehabilitation techniques was conducted in September 2009. It is believed that the tour was beneficial for addressing concerns relating to final rehabilitation of the Rocglen site.
- 3.4. Noise exceedances were recorded during the September 2009 monitoring event. Spectrum Acoustics have scheduled an additional monitoring event to further assess the noise emissions from the mine.

4. Mine Progress Report

Tony Heinrich advised that last month 10,000 tonnes of coal were mined. The lower than normal production levels are associated with the higher stripping ratio which was expected in the current mining area. The mine is currently about 92m deep which is close to the deepest mining levels will be.

It was also reported that an excavator, which was acquired following the completion of production at the Canyon mine, has recently being sent to the Werris Creek mine.

5. Review of Environmental Performance

Jill Scealy presented the environmental monitoring results which are attached in the associated environmental monitoring report.

6. Complaints/Complaints Hotline

Nil formal complaints recorded.

Complaints generally discussed in the Environmental Monitoring report.

7. General Business

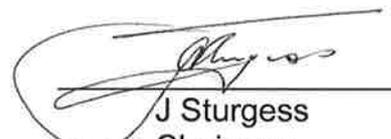
7.1. Mr Rod Barnes asked about the potential for Rocglen to extend production to the east beyond the extent of the current approval. Tony Heinrich presented a plan which compared the current approved plan and the proposed plan. It was noted that the proposal was only in the design phase and had not yet been submitted for approval.

7.2. Pam Burns asked when the Wean Road diversion would commence. Tony Heinrich indicated that the road diversion planning would be subject to approval of the proposed extension.

8. Next Meeting

The next meeting of the Rocglen CCC is scheduled for Wednesday 10th February 2010, at the Rocglen training room at 3:00pm.

Meeting closed 3:20pm.



J Sturgess
Chairman

Rocglen Coal Mine Community Consultative Committee Meeting #5

Environmental Monitoring Report, July 2009 – September 2009

Noise Monitoring

Attended noise monitoring was undertaken on the 16th June 2009, as required for operational noise monitoring under the Noise Monitoring Program, with results outlined below:

RCM Noise Monitoring Results – 8 September 2009 (Day)				
Location	Time	dB(A),Leq	Wind speed/ direction	Identified Noise Sources
Surrey	7:45 am	43	1 m/s, NW	Birds & insects (41), RCM (37)
Costa Vale	8:04 am	48	1 m/s, NW	Birds (48), RCM (33)

RCM Noise Monitoring Results – 8 September 2009 (Evening)				
Location	Time	dB(A),Leq	Wind speed/ direction	Identified Noise Sources
Surrey	7:59 pm	34	<0.5 m/s, NW	Cattle (33), RCM (27)
Costa Vale	7:31 pm	39	<0.5 m/s, NW	RCM (38), frogs & insects (30)

RCM Noise Monitoring Results – 8 September 2009 (Night)				
Location	Time	dB(A),Leq	Wind speed/ direction	Identified Noise Sources
Surrey	11:31 pm	40	Calm	Cattle (40), RCM (27)
Costa Vale	10:57 pm	32	Calm	RCM (30), insects (28)

The results indicate that, under the operational and atmospheric conditions at the time, noise emission from RCM exceeded the criterion of 35 dB(A) at Surrey during the morning survey and at Costa Vale during the evening survey. It was noted that the exceedance at the “Surrey” residence was associated with the presence of a temperature inversion. Notices have issued to the Department of Planning and Department of Environment and Climate Change with regard to the noise exceedance.

Approvals for Rocglen require monitoring of cumulative mine-related traffic associated with the Tarrawonga, Canyon and Rocglen mines. Monitoring was conducted on Tuesday 8th September 2009 at the “Brooklyn” (2 residences) and “Werona” properties, with the following observations and results:

- 42 truck movements were recorded during the measurement period (11:05am to 12:05pm) at “Brooklyn”. The total measured contribution from mine-related vehicles at Residence 1 at “Brooklyn” (approximately 90m from Blue Vale Road) was **57.0 dB(A)_{Leq (1 hour)}**. This is below the daytime criterion of **60 dB(A)_{Leq (1 hour)}**.
- The total measured contribution from mine-related vehicles at Residence 2 (approximately 480m from Blue Vale Road) was **41 dB(A)_{Leq (1 hour)}**. This is also below the daytime criterion of **60 dB(A)_{Leq (1 hour)}**.
- Over the course of the measurement period (9:00am to 10:00am) at “Werona” there were 44 coal truck movements. The total measured contribution from mine-related vehicles at “Werona” was **46.0 dB(A)_{Leq (1 hour)}**. This is below the daytime criterion of **60 dB(A)_{Leq (1 hour)}**.

Unattended noise monitoring was carried out in September 2009 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 factors.

RCM Unattended Noise Monitoring Results “Costa Vale” – September 2009

Date	Leq(day)	Leq(eve)	Leq(night)	L90(day)	L90(eve)	L90(night)
7-Sep-09	55.7	29.7	46.2	31.0	26.2	25.0
8-Sep-09	44.5	37.5	49.3	27.5	26.0	25.3
9-Sep-09	45.7	37.5	48.1	29.0	26.5	25.0
LAeq	52	36	48			
L90				29	26	25

* Note 25 dB(A) is the lower limit of the logger as setup

RCM Unattended Noise Monitoring Results “Surrey” – September 2009

Date	Leq(day)	Leq(eve)	Leq(night)	L90(day)	L90(eve)	L90(night)
7-Sep-09	52.8	26.7	47.6	25.5	25.0	25.0
8-Sep-09	46.8	36.2	44.8	28.0	27.0	25.0
9-Sep-09	46.8	37.2	50.1	31.0	25.7	25.0
LAeq	50	35	48			
L90				28	26	25

* Note 25 dB(A) is the lower limit of the logger as setup

Blast Monitoring

Blasting Results

Since the first shot there have been 35 blasts.

During the reporting period two blasts exceeded the 115 dBL limit, recording 119.9 dBL at “Costa Vale” on the 24th August 2009 and 116.9 dBL at “Costa Vale” on the 27th August 2009. In accordance with consent conditions, an allowance of 5% of blasts between 115-120 dBL is allowed over a 12 month reporting period. As these are the first blasts over 115 dBL since commencement of the mine, Rocglen remains within compliance limits.

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

PM₁₀ Results

The annual average for PM₁₀ readings as determined from data from October 2008 through to September 2009 is as follows:

Glen Roc: 20.50µg/m³
Surrey/Roseberry: 15.39µg/m³

Running average PM₁₀ levels remain below the annual average limit of 30µg/m³. The 24hr criterion of 50µg/m³ was breached at the Roseberry monitor on the 27th October 2009, with a reading of 68µg/m³.

It is believed that the exceedance is related to an issue with the unit’s flow control, rather than operations at the mine, as ALS Acirl (Whitehaven’s environmental monitoring contractor) noted that the flow control was fluctuating slightly during routine manual operation. The weather conditions on the day of the exceedance further support this with wind speeds generally below 4 m/s and variable wind directions. It is expected that the issue will be rectified during calibration this month.

The highest PM₁₀ readings at each site are as follows:

Glen Roc: 66µg/m³ on the 12th May 2009
Surrey: 33µg/m³ on the 31st December 2008
Roseberry: 68µg/m³ on the 27th October 2009

Deposited Dust Results

The Deposited Dust results obtained for the site to date are as follows:-

Air Quality (Dust Deposition) Results

Month	BD1 Costa Vale	BD2 Glenroc	BD3 Belah	BD4 Surrey	BD5 Stratford	BD6 Roseberry	BD7 Roseglass	BD8 Yarrowonga
October 2008	1.6	1.3	1.4	1.0	0.7	1.0	1.1	1.5
November 2008	1.0	1.0	2.2	1.7	1.4	1.6	1.9	2.5
December 2008	NLS	1.0	1.0	0.8	0.7	0.8	1.4	0.7
January 2009	NLS	3.2	2.4	1.1	1.4	1.6	2.0	1.4
February 2009	NLS	0.7	1.1	0.6	3.2	0.6	0.8	1.3
March 2009	NLS	1.1	0.8	1.8	1.1	1.7	1.3	2.8
April 2009	NLS	1.2	0.8	1.3	1.3	0.7	0.8	0.6
May 2009	NLS	1.1	0.4	0.5	0.4	0.5	0.9	0.6
June 2009	NLS	0.6	0.5	0.3	0.2	0.4	0.4	0.4
July 2009	NLS	0.7	0.3	0.4	0.3	0.8	0.9	0.6
August 2009	NLS	2.1	1.5	1.1	0.9	1.4	2.1	1.3
September 2009	NLS	11.8	7.6	10.6	15.9	8.4	5.3	10.3
Annual Average	1.3	2.2	1.7	1.8	2.3	1.6	1.6	2.0

The deposited dust levels have remained relatively consistent over the last 12 months with the exception of September 2009. These results are attributable to the general dusty conditions throughout the month, which included the severe dust storm on the 23rd September 2009.

All monitors remain well within the standard concentration threshold of 4g/m²/month.

Water Monitoring

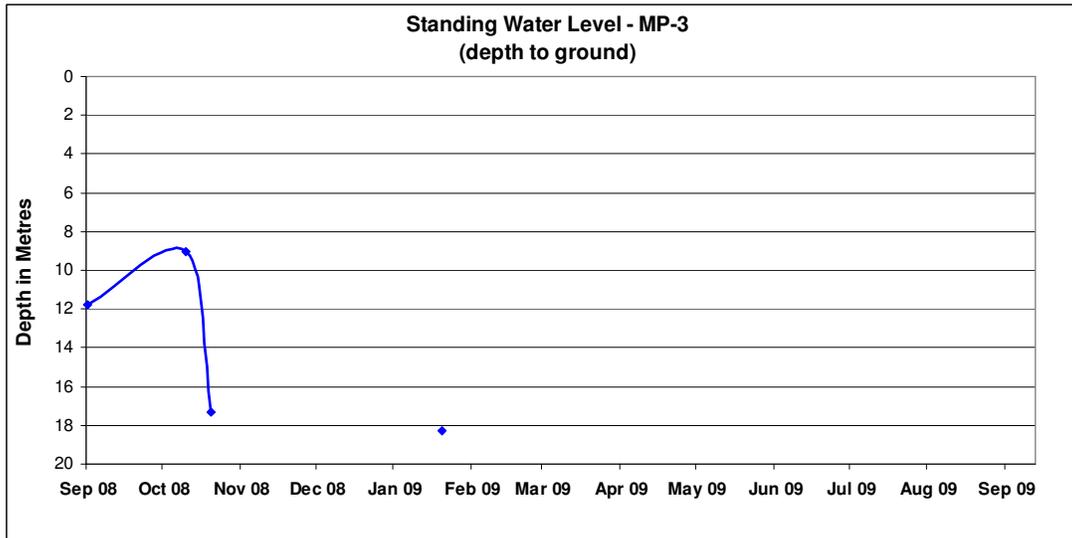
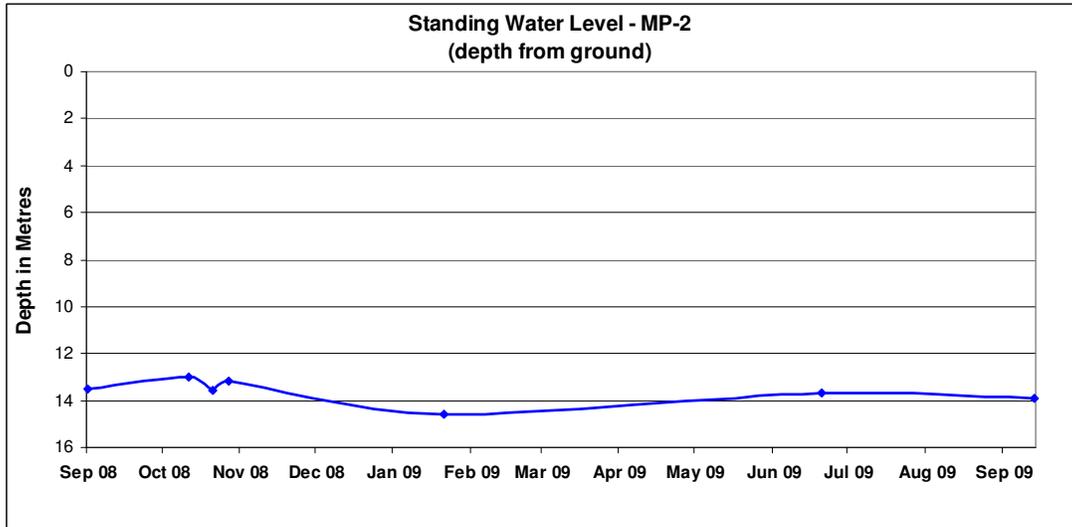
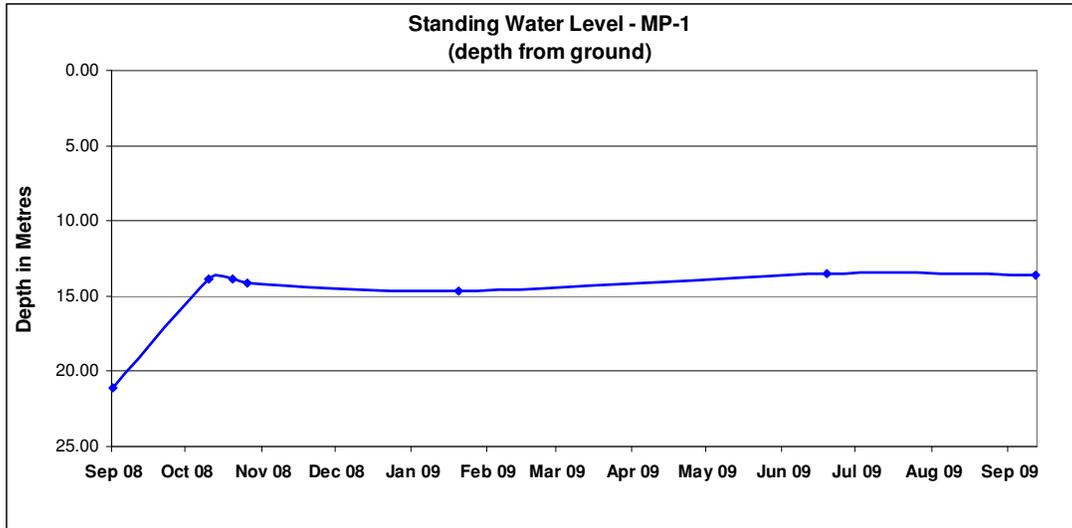
Ground Water

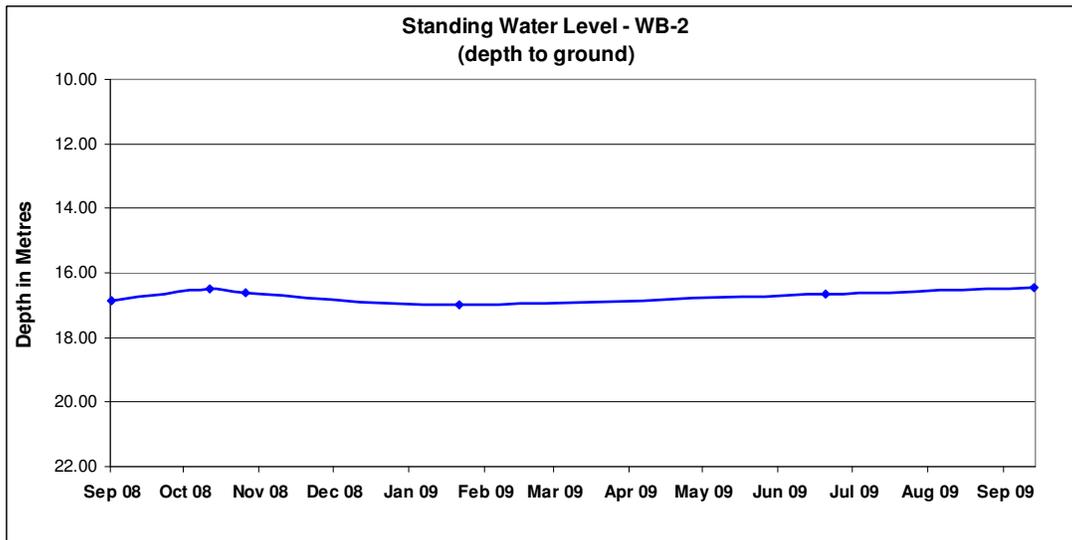
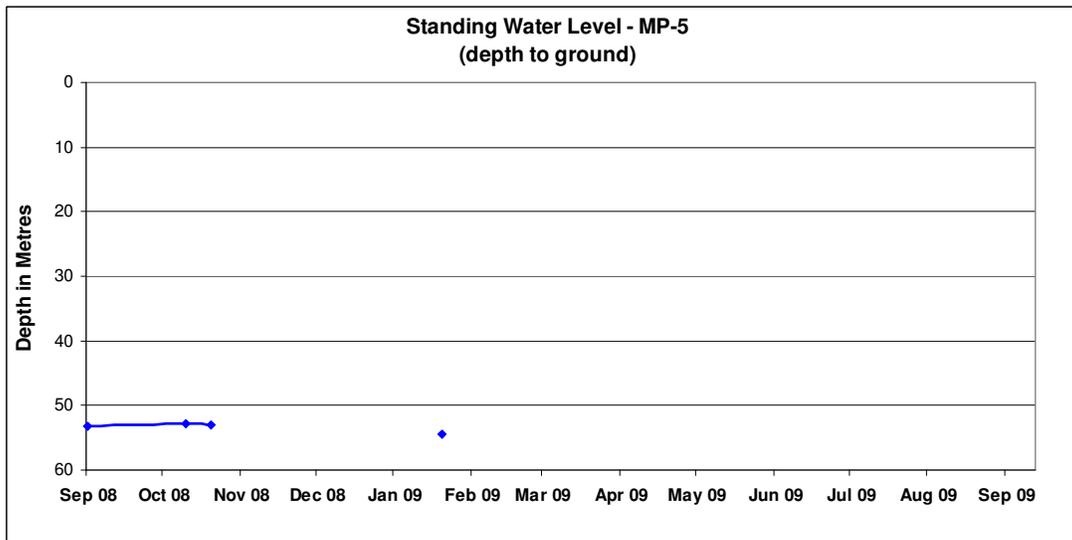
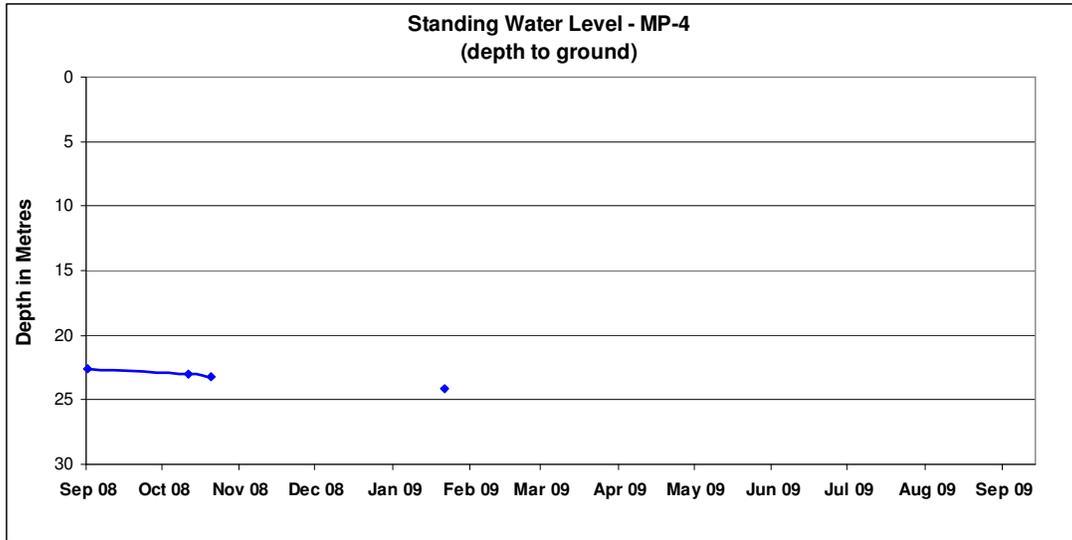
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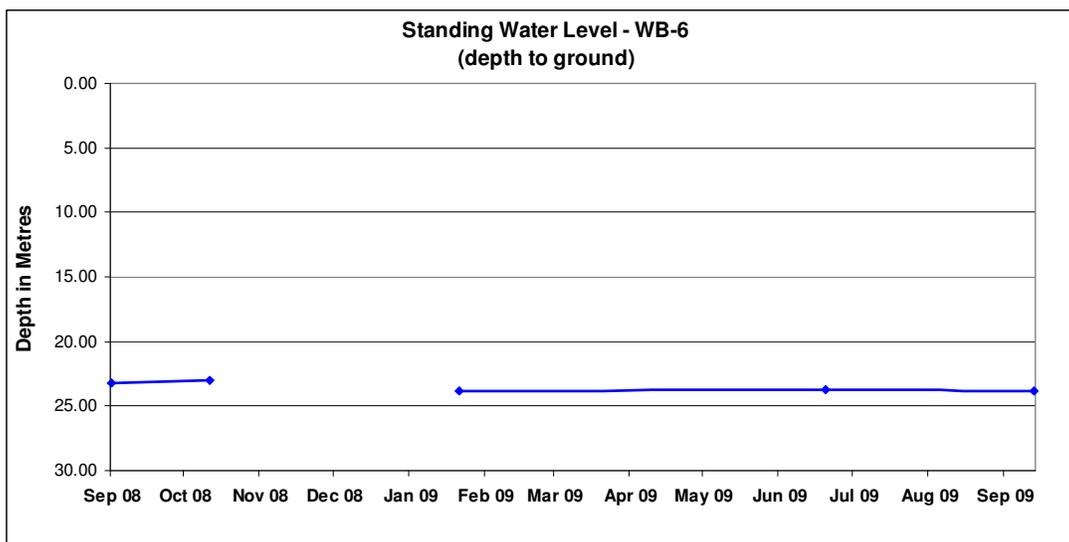
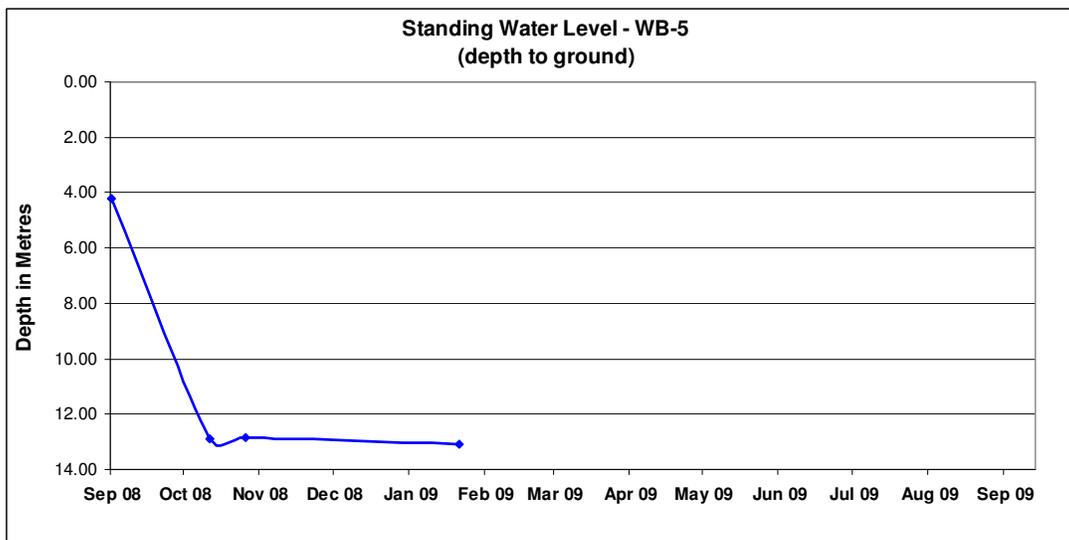
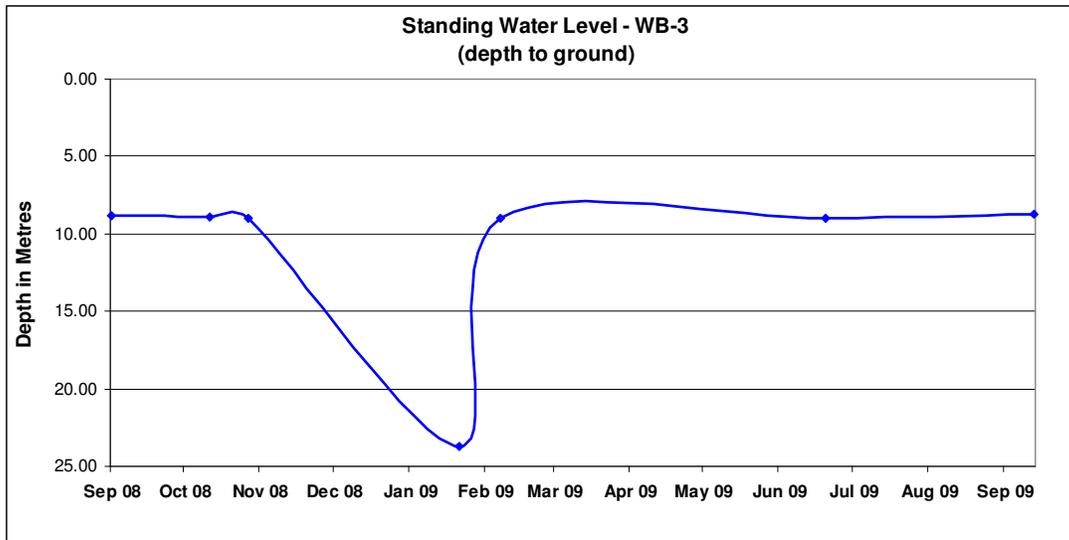
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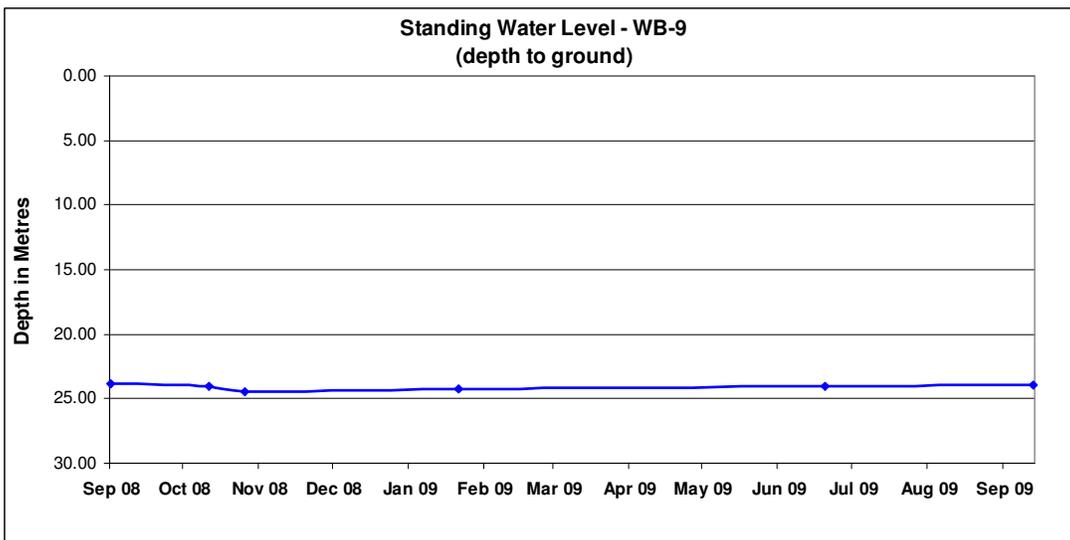
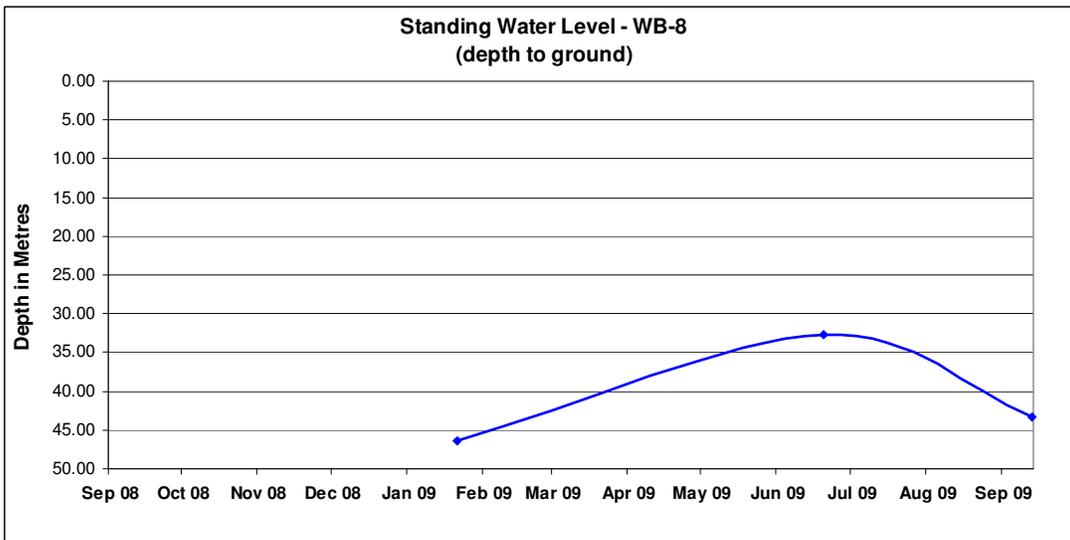
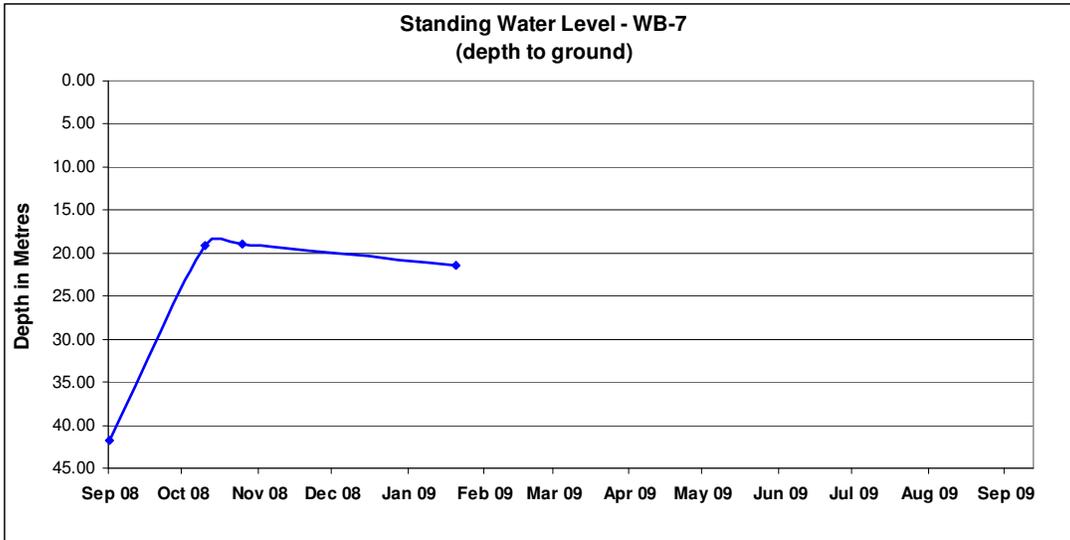
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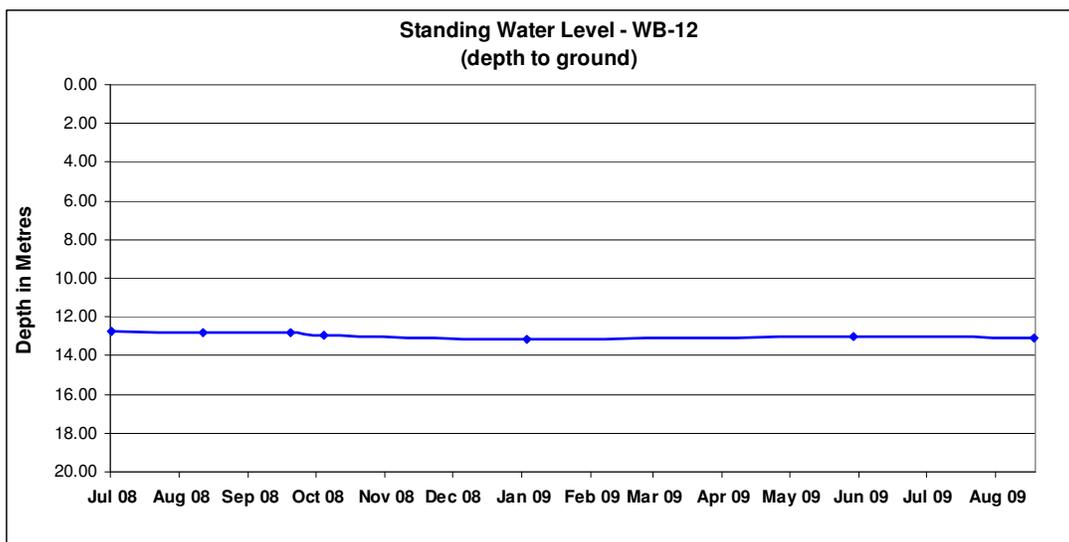
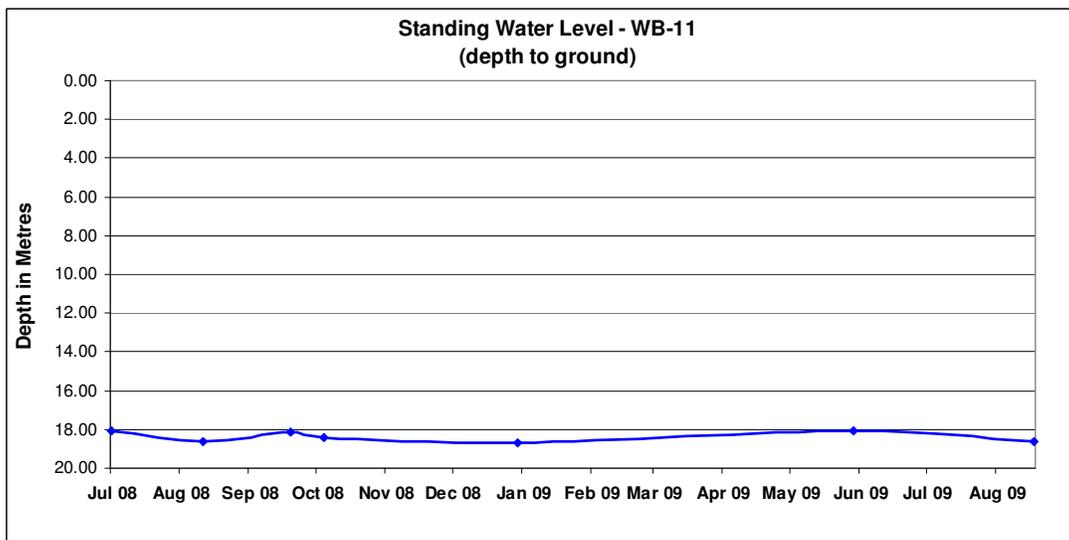
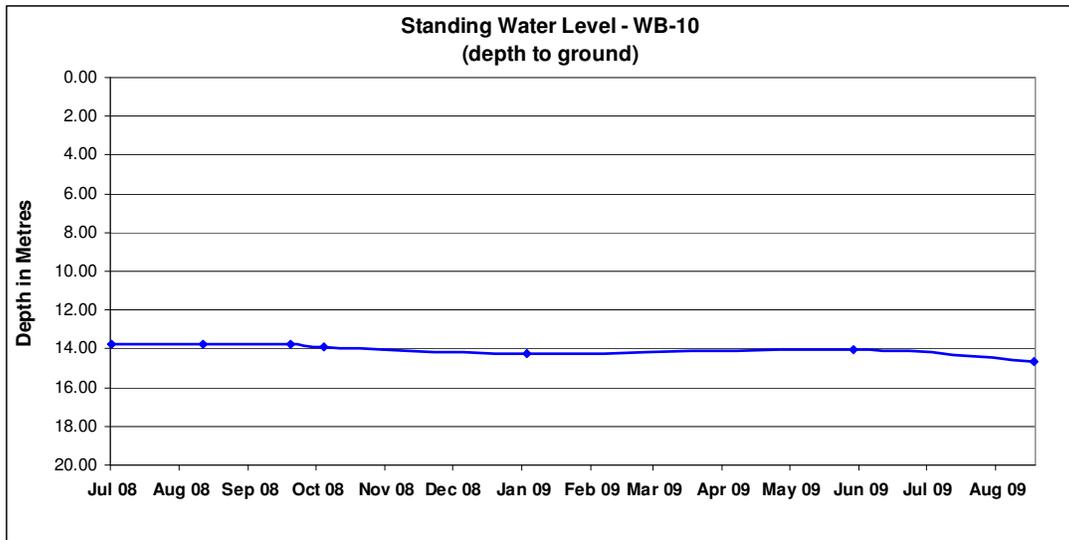
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	13 October 08	13.77		
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	27 January 09	14.23		
	22 June 09	14.01	7	2220
	11 September 09	14.65		
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	28 October 08	18.4	7.5	1086
	27 January 09	18.73		
	22 June 09	18.1	8	880
	11 September 09	18.63		
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		
Yarrari Prod	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

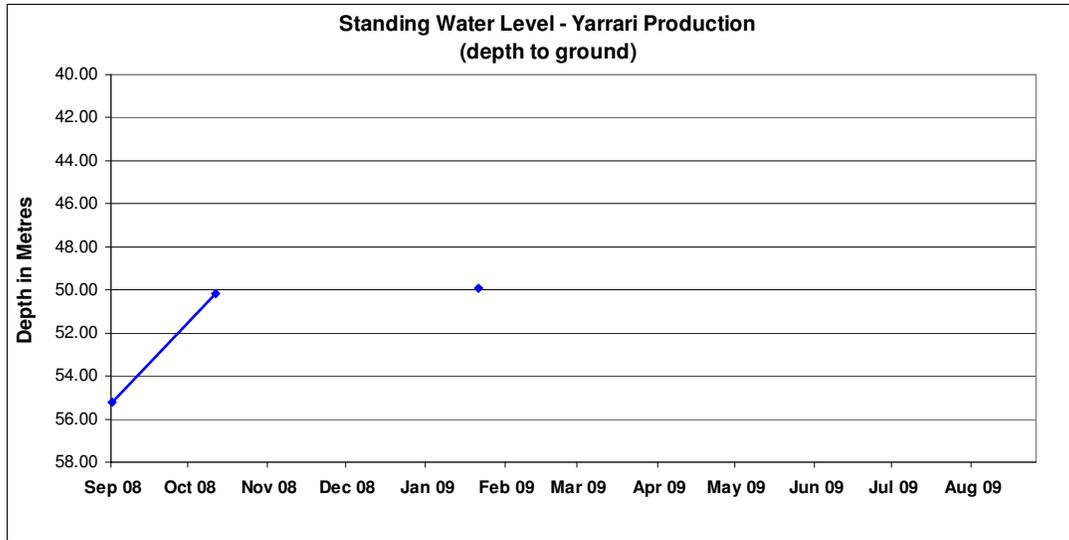












Standing water levels have remained relatively consistent since the last CCC meeting, with the exception of WB-8. Despite a drop in SWL of approximately 10m, the SWL remains slightly above the initial levels recorded in January 2009.

Surface Water

No wet weather discharge events have occurred since the last CCC meeting.

Surface water sampling was undertaken at selected sites in August 2009 to obtain background water quality data. The results indicated that water quality is of reasonable quality.

Complaints

No complains have been received since the previous CCC meeting.

A public notice was advertised in the Namoi Valley Independent on the 29th October 2009 to remind nearby residences and the general public about the Rocglen complaints line phone number.