

Minutes of Rocglen Coal Mine Community Consultative Committee – Meeting #28

Meeting Held: Wednesday 15th June 2016

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

Commencement Time: 3:00pm

1. Present and Apologies

Present: Mrs Jill Johnson (JJ) – Group Manager – Environment (Chair of meeting)
Mr Jason Conomos (JC) - Operations Manager
Clr Rebecca Ryan (RR) - GSC Representative
Miss Maddie Woodhead (MW) – Environmental Graduate
Mr Rod Barnes (RB) - Community Representative

Apologies: Mrs Pam Burns (PB) - Community Representative
Mr Tim Muldoon (TM) - Group Manager Community Relations & Property
Mr John Sturgess (JS) - Independent Chairperson

2. Previous Minutes

Minutes accepted as a true record on the motion of MW and RR.

3. Business Arising from Previous Minutes

3.1. N/A

4. Mine Progress Report

JC provided an update on production since the last meeting (covering the period start of September 2015 to end May 2016).

- Approximately 1 million tonnes of coal
- Approximately 3.9 million cubic metres of overburden
- Strip ratio of 3.8:1

5. Review of Environmental Performance

MW presented the environmental monitoring results which are attached in the environmental monitoring report.

JJ identified that the blast section incorrectly noted an exceedance of the ground vibration limit of 10mm/s. All agreed that the report be corrected prior to publishing on the Whitehaven website.

6. General Business

RB noted a number of matters related to his properties:

- Requested a gateway be installed between Surrey and Belah.
- Noted wildlife are damaging the new fence and suggested a load of soil to rectify
- Thanked Whitehaven for replacing the boundary fence between Barrock and Roseglass.

RB asked for an update on the blast exceedance investigation. MW said a report had been provided to EPA and WHC is awaiting a reply. RB asked if the complaints noted in the monitoring report were all related to that blast. JJ said they weren't. RR asked what action the EPA could take. JJ said a number of factors are considered by the EPA (past performance, severity of incident etc) and action could range from no action through to cautions, penalty infringement notices and prosecutions.

RB asked about blast notifications and water monitoring at Wundurra Stud following an enquiry from the landholders. JJ advised that blast notifications are generally provided to residents within a certain radius from the mine and then anyone else who expresses an interest in being notified. JJ said water monitoring is similar, whereby the mine generally monitors within a certain distance from the mine and then as and when required on other properties if the landholders request. RB said he would advise the landholders to contact Whitehaven if they wish to commence blast notifications and/or water monitoring.

RB advised of a build up of rubbish on Wean Road. JJ said Whitehaven would arrange for an inspection and action as required.

7. Next Meeting

Late November – date to be advised.

Meeting closed 3:25pm.

8. Site Tour

Site tour – RR, JC, JJ and MW

J Sturgess
Chairman

Rocglen Coal Mine Community Consultative Committee Meeting #28

Environmental Monitoring Report September 2015 - May 2016

Noise Monitoring

Attended noise monitoring was undertaken between the 14th and 17th of September 2015, between the 7th and 9th of December 2015, and between the 1st and 3rd of March 2016, in accordance with the Rocglen Noise Monitoring Program and Environment 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:

Surrey

RCM Operational Noise Monitoring Results – 14 th , 15 th , 16 th , 17 th September 2015				
Date	Time	dB(A),Leq (15 min)	Wind speed/ direction	Identified Noise Sources as dB(A) Leq (15 min)
14-09-15	2:32 pm	42	1.3 / 23	Birds (42), RCM (23)
14-09-15	8:33 pm	30	1.5 / 10	RCM (28) , traffic (26)
14-09-15	10:07 pm	31	2.2 / 17	RCM (31)
15-09-15	8:21 am	42	1.3 / 270	Birds (42), RCM (29)
16-09-15	7:49 pm	40	0.5 / 330	Birds (38), RCM (33) , motor bike (31)
16-09-15	8:35 pm	22	1.0 / 144	Frogs (22), RCM (<20)
16-09-15	10:08 am	25	1.1 / 182	Cattle (23), RCM (20)
17-09-15	8:27 pm	25	2.8 / 185	Cattle (25), RCM (<20)
17-09-15	10:01 pm	29	2.7 / 161	Cattle (26), dog (26), RCM (<20)

Retreat

RCM Operational Noise Monitoring Results – 14 th , 15 th , 16 th , 17 th September 2015				
Date	Time	dB(A),Leq (15 min)	Wind speed/ direction	Identified Noise Sources as dB(A) Leq (15 min)
14-09-15	4:20 pm	36	1.5 / 286	Birds (36), RCM (<20)
14-09-15	9:19 pm	24	1.7 / 30	Frogs (21), sheep (21), RCM (<20)
14-09-15	11:23 pm	23	2.3 / 20	Other mine (20), sheep (20), RCM (<20)
15-09-15	10:14 am	34	4.4 / 307	Birds (33), wind (26), other mine (22), RCM (<20)
16-09-15	9:34 pm	34	1.6 / 162	Birds (34), other mine (22), RCM (<20)
16-09-15	9:19 pm	28	0.5 / 156	RCM (25) , other mine (23), frogs (22)
16-09-15	11:22 am	30	0.7 / 14	RCM (30)
17-09-15	9:11 pm	31	2.5 / 180	RCM (31)
17-09-15	11:16 pm	32	3.1 / 155	RMC (30) , wind (28)

Surrey

RCM Operational Noise Monitoring Results – 7 th , 8 th , and 9 th December 2015				
Date	Time	dB(A),Leq (15 min)	Wind speed/direction	Identified Noise Sources as dB(A) Leq (15 min)
7-12-15	11:41 am	35	1.7 / 253	Birds (34), domestic (27), RCM (<20)
7-12-15	8:29 pm	31	2.3 / 292	Insects (29), RCM (26)
7-12-15	10:02 pm	29	1.0 / 30	RCM (28) , insects (23)
8-12-15	9:11 am	49	1.3 / 212	Birds (49), RCM (29)
8-12-15	8:13 pm	26	1.8 / 10	Insects (23), RCM (23)
8-12-15	10:00 pm	34	2.3 / 11	RCM (32) , insects (29)
9-12-15	8:42 am	48	1.6 / 19	Birds (48), RCM (28)
9-12-15	8:29 pm	37	2.3 / 51	Frogs & insects (37), RCM (26)
9-12-15	11:16 pm	37	1.9 / 79	Frogs & insects (37), other mine (23), RMC (<20)

Retreat

RCM Operational Noise Monitoring Results – 7 th , 8 th , and 9 th December 2015				
Date	Time	dB(A),Leq (15 min)	Wind speed/direction	Identified Noise Sources as dB(A) Leq (15 min)
7-12-15	1:27 pm	27	2.1 / 214	Birds (27), RCM (<20)
7-12-15	9:16 pm	35	1.2 / 332	Insects (35), other mine (22), RCM (<20)
7-12-15	11:18 pm	40	1.2 / 55	Insects (40), other mine (22), RCM (<20)
8-12-15	9:15 am	36	1.3 / 212	Birds (36), RCM (<20)
8-12-15	9:03 pm	31	1.7 / 8	Insects (30), other mine (25), RCM (<20)
8-12-15	11:17 pm	30	3.0 / 279	Insects (26), wind (26), other mine (23), RCM (<20)
9-12-15	10:28 am	40	3.5 / 295	Birds & insects (40), wind (26), other mine (24), RCM (<20)
9-12-15	9:15 pm	32	2.5 / 46	Insects (30), wind (26), other mine (22), RCM (<20)
9-12-15	11:16 pm	37	1.9 / 79	Frogs & insects (37), other mine (23), RMC (<20)

Surrey

RCM Operational Noise Monitoring Results – 1 st , 2 nd , and 3 rd March 2016				
Date	Time	dB(A),Leq (15 min)	Wind speed/direction	Identified Noise Sources as dB(A) Leq (15 min)
1-03-16	2:05 pm	36	2.0 / 154	Birds (35), wind (28), RCM (<20)
1-03-16	8:38 pm	33	3.9 / 111	Insects (33), RCM (<20)
1-03-16	11:42 pm	47	4.3 / 54	Wind (47), RCM (<20)
2-03-16	7:15 am	41	0.8 / 143	Birds (40), RCM (33)
2-03-16	9:13 pm	32	4.6 / 103	Wind (30), insects (27), RCM (23)
2-03-16	11:14 pm	47	4.8 / 43	Wind (47), RCM (<20)
3-03-16	7:21 am	38	2.3 / 162	Birds (37), RCM (31)
3-03-16	8:29 pm	34	6.0 / 74	Wind (32), insects (30), RCM (<20)
3-03-16	10:01 pm	32	3.9 / 76	Wind (31), insects (26), RCM (<20)

Retreat

RCM Operational Noise Monitoring Results – 1 st , 2 nd , and 3 rd March 2016				
Date	Time	dB(A),Leq (15 min)	Wind speed/direction	Identified Noise Sources as dB(A) Leq (15 min)
1-03-16	3:50 pm	32	1.8 / 235	Birds (32), RCM (<20)
1-03-16	9:24 pm	51	5.3 / 118	Insects (51), wind (35), RCM (<20)
1-03-16	1:02 am	42	3.2 / 37	Insects (42), wind (30), RCM (<20)
2-03-16	9:00 am	41	1.4 / 249	Birds (41), RCM (<20)
2-03-16	8:30 pm	52	3.9 / 115	Insects (52), wind (32), RCM (<20)
2-03-16	10:01 pm	47	5.4 / 68	Wind (47), insects (31), RCM (<20)
3-03-16	9:13 am	39	1.5 / 207	Birds (39), RCM (21)
3-03-16	9:15 pm	37	4.7 / 70	Insects (36), wind (30), RCM (<20)
3-03-16	11:15 pm	37	3.7 / 50	Insects (34), wind (34), RMC (<20)

The results show that, under the operating and meteorological conditions at the time of monitoring, the mine noise did not exceed the operational noise criterion at either monitoring location, at any time.

Where the noise from RCM was audible at the Surrey and Retreat locations the most significant contributor was general mine hum and truck revs.

In addition to 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 monitoring the L1 (1 min) noise from the mine did not exceed 45 dB(A) at either monitoring location, as shown below:

RCM Sleep Disturbance Monitoring Results 14th, 15th, 16th, 17th September 2015				
Date	Location	Time	dB(A),L1 (1 min)	Wind speed/ direction
14-09-15	Surrey	10:07 pm	36	2.2 / 17
14-09-15	Retreat	11:23 pm	<20	2.3 / 20
16-09-15	Surrey	10:08 pm	23	1.1 / 182
16-09-15	Retreat	11:22 pm	36	0.7 / 14
17-09-15	Surrey	10:01 pm	<20	2.7 / 161
17-09-15	Retreat	11:16 pm	35	3.1 / 155
RCM Sleep Disturbance Monitoring Results 7th, 8th, and 9th December 2015				
Date	Location	Time	dB(A),L1 (1 min)	Wind speed/ direction
7-12-15	Surrey	10:02 pm	35	1.0 / 30
7-12-15	Retreat	11:18 pm	<20	1.2 / 55
8-12-15	Surrey	10:00 pm	37	2.3 / 11
8-12-15	Retreat	11:17 pm	<20	3.0 / 279
9-12-15	Surrey	10:00 pm	36	2.7 / 18
9-12-15	Retreat	11:16 pm	<20	1.9 / 79
RCM Sleep Disturbance Monitoring Results 1st, 2nd, and 3rd March 2016				
Date	Location	Time	dB(A),L1 (1 min)	Wind speed/ direction
1-03-16	Surrey	11:42 pm	<20	4.3 / 54
2-03-16	Retreat	1:02 am	<20	3.2 / 37
2-03-16	Surrey	11:14 pm	<20	4.8 / 43
2-03-16	Retreat	10:01 pm	<20	5.4 / 68
3-03-16	Surrey	10:01 pm	<20	3.9 / 76
3-03-16	Retreat	11:15 pm	<20	3.7 / 50

Rocglen's real time noise monitor is currently located at the "Penryn" property. The monitor's alarm system notifies operations when noise levels approach compliance limits and allows for the opportunity to adjust operations accordingly. Currently all overburden dumping at Rocglen is in-pit, which greatly reduces the likelihood of operational noise impacts.

Blast Monitoring

Since the first blast there have been 256 blasts (until the end of May 2016). One blast within this period exceeded the limit of 120dB(L), with a result of 123.6dB(L) on the 26th May 2016. A report has been issued to the Environment Protection Authority regarding this event.

Air Quality

Deposited Dust Results

The deposited dust results (g/m²/month) obtained for the site over the last 12 months are as follows:

Air Quality (Dust Deposition) Results

Month	BD2-A - Penryn	BD3 - Belah	BD4 - Surrey	BD5 - Stratford	BD6 - Roseberry	BD7 - Roseglass	BD8 - Yarrowonga
June 2015	1.8	0.8	0.7	0.3	<0.1	<0.1	0.4
July 2015	1	0.4	0.8	0.1	0.4	<0.1	0.2
August 2015	0.6	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
September 2015	1.7	1.1	1.0	1.2	1.2	0.8	1.1
October 2015	0.4	0.7	0.2	0.2	0.4	0.5	0.7
November 2015	1.5	2.7	0.8	1.4	3.1	1.1	1.6
December 2015	1.2	1.2	1.6	0.8	0.8	0.4	0.6
January 2016	1.8	1.8	4.5	0.4	0.5	0.7	0.7
February 2016	1.3	5.7	0.9	1.4	0.7	0.8	0.6
March 2016	0.5	1.9	2.4	1.6	1.7	0.6	0.9
April 2016	2.5	3.5	0.4	0.6	1.1	0.9	0.7
May 2016	4.0	2.4	0.5	1.3	0.5	0.7	0.7
Annual Average	1.5	1.9	1.2	0.8	0.9	0.6	0.7

The annual average at all sites remains well below the concentration threshold of 4g/m²/month.

PM₁₀ Results

The annual averages for PM₁₀ levels up until the end of May 2016 remain below the annual average limit of 30µg/m³, as follows:

Costa Vale: 17.56 µg/m³

Roseberry: 13.77 µg/m³

The real time PM₁₀ monitor at Roseberry is currently operating to send alarms to operations in the event that PM₁₀ levels approach compliance limits.

Water Monitoring

Ground Water

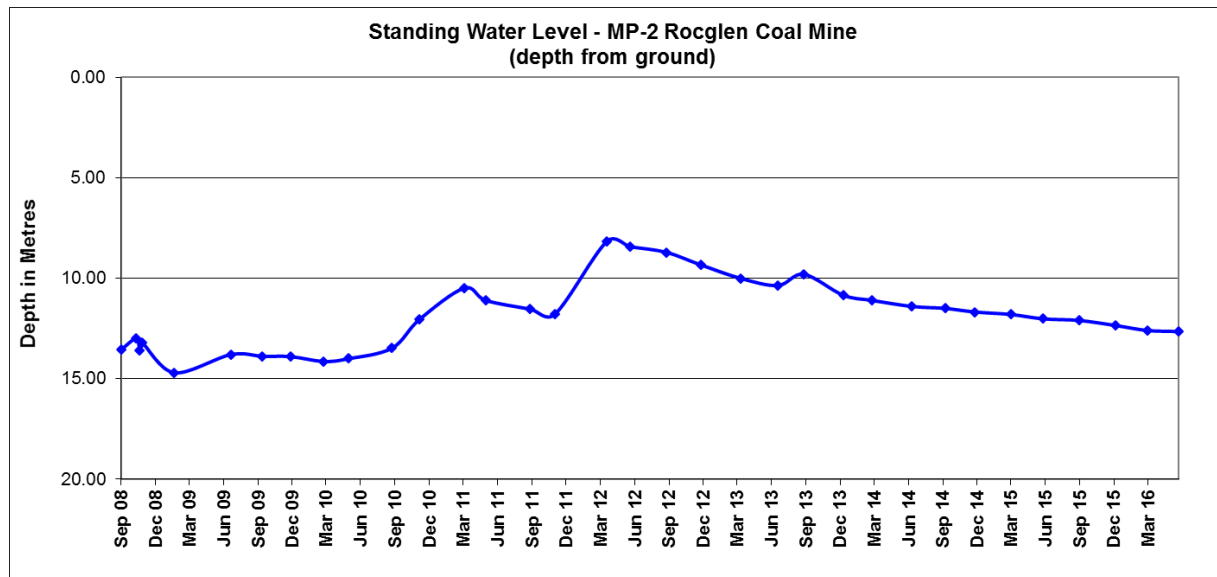
Groundwater monitoring data for this CCC period presented in the following table. Standing Water Level (SWL) graphs of bores with sufficient data sets are also provided.

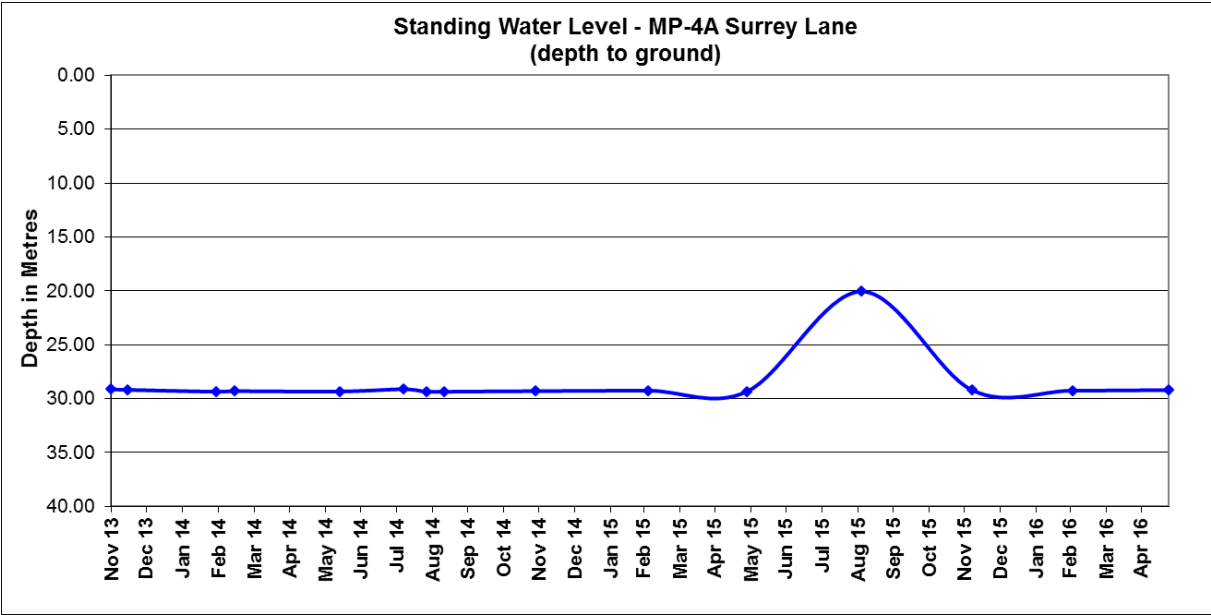
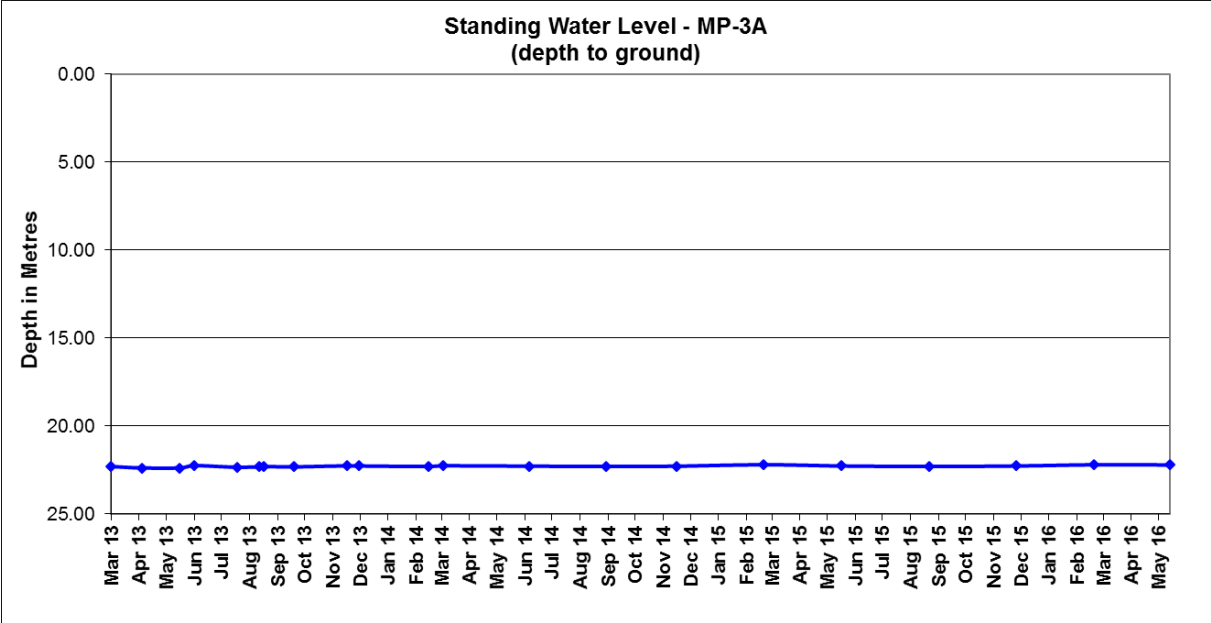
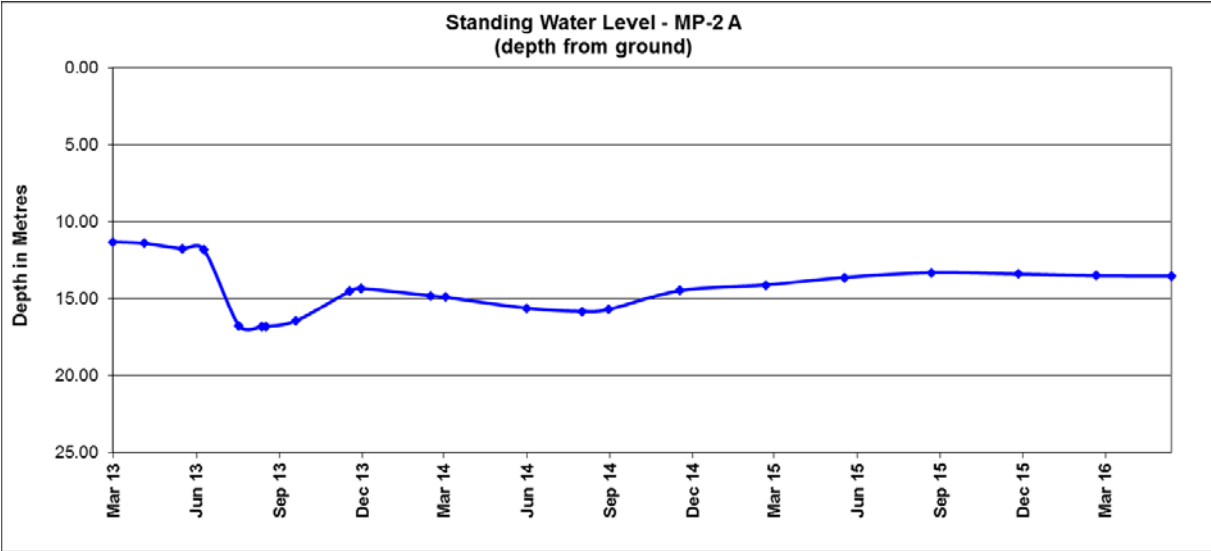
Site	Date	SWL (m)	pH	Elect. Conduct µs/cm
MP2	02/Sep/15	12.10	12.10	13.1
	07/Dec/15	12.35	7.1	5090
	02/Mar/16	12.60	7.2	4970
	24/May/16	12.65	7.1	5030
MP2a	02/Sep/15	13.30	13.30	14
	07/Dec/15	13.39	13.39	14.09
	02/Mar/16	13.50	13.50	14.2
	24/May/16	13.52	13.52	14.22
MP3	02/Sep/15	Dry	Insufficient water to sample	

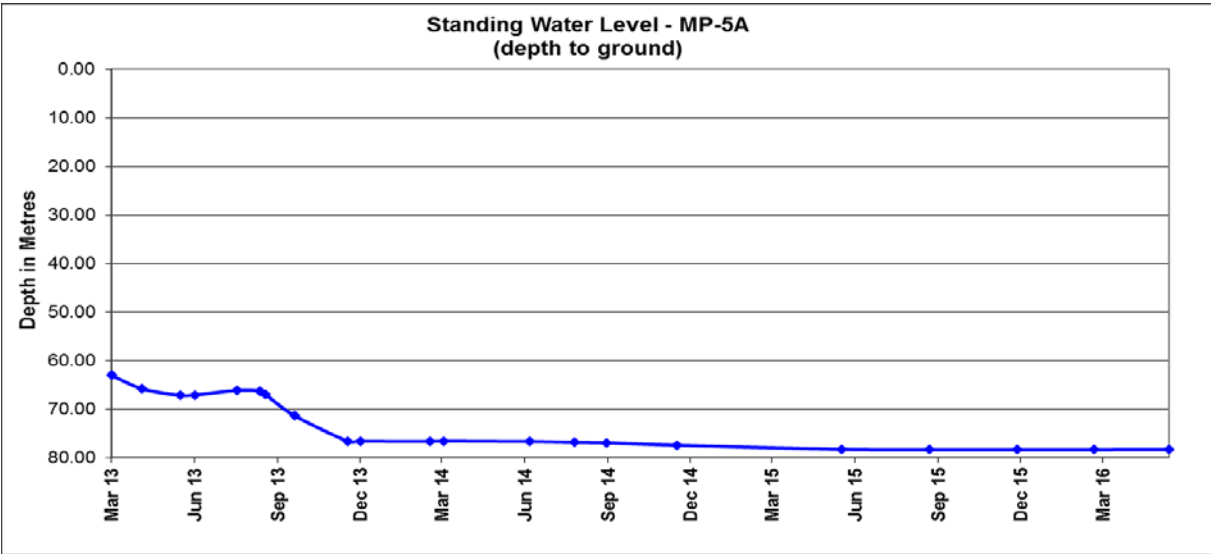
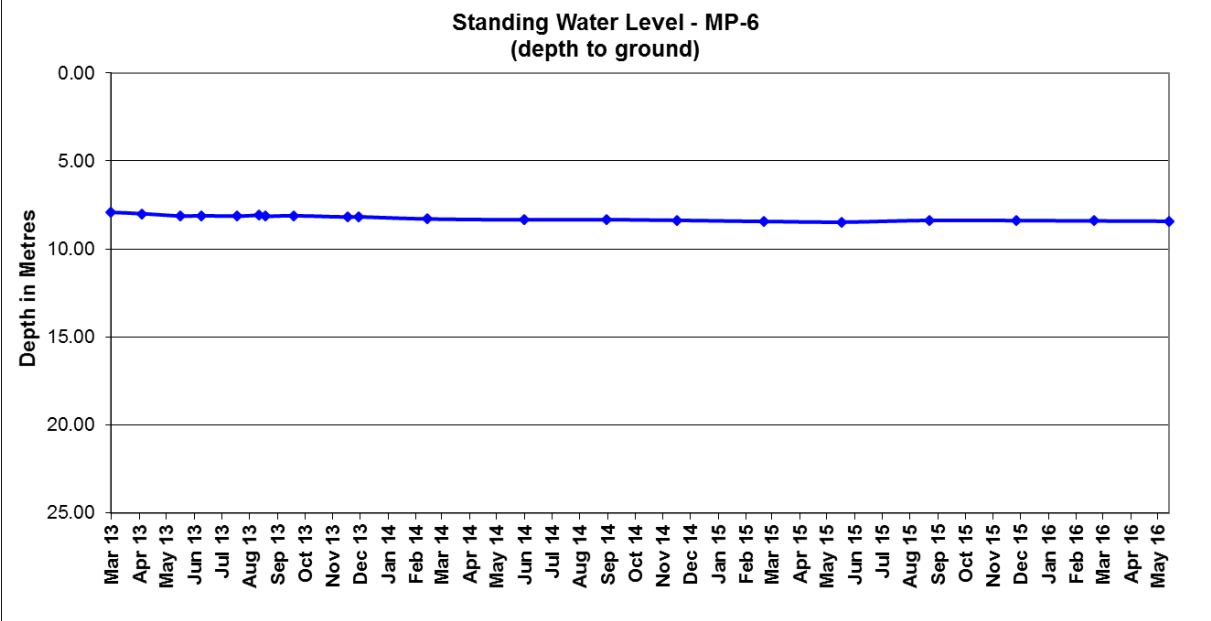
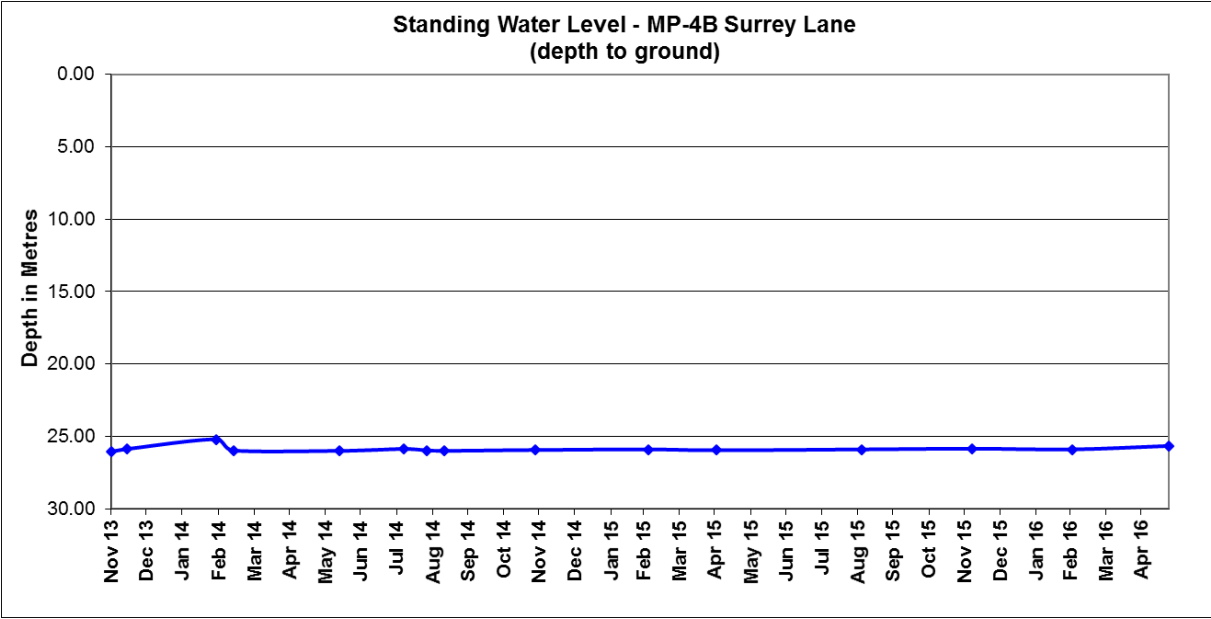
Site	Date	SWL (m)	pH	Elect. Conduct µs/cm
	07/Dec/15	Dry	Insufficient water to sample	
	02/Mar/16	Dry	Insufficient water to sample	
	24/May/16	Dry	Insufficient water to sample	
MP3a	02/Sep/15	22.30	22.30	22.9
	07/Dec/15	22.27	22.27	22.87
	02/Mar/16	22.20	22.20	22.8
	24/May/16	22.21	22.21	22.81
MP4	07/Dec/15	Dry	Insufficient water to sample	
	02/Mar/16	Dry	Insufficient water to sample	
	24/May/16	Dry	Insufficient water to sample	
MP4a	03/Sep/15	20.05	20.05	20.9
	07/Dec/15	29.21	29.21	30.06
	02/Mar/16	29.25	29.25	30.1
	24/May/16	29.20	29.20	30.05
MP4b	03/Sep/15	25.9	25.9	26.8
	07/Dec/15	25.85	25.85	26.75
	2-Mar-16	25.9	25.9	26.8
	24-May-16	25.66	25.66	26.56
MP5	02-Sep-15	Dry	Insufficient water to sample	
	08-Dec-15	Dry	Insufficient water to sample	
	02-Mar-16	Dry	Insufficient water to sample	
	24-May-16	Dry	Insufficient water to sample	
MP5a	02-Sep-15	78.30	Mud only recovered	
	08-Dec-15	78.32	Mud only recovered	
	02-Mar-16	78.30	Mud only recovered	
	24-May-16	78.26	Mud only recovered	
MP6	02-Sep-15	8.37	8.37	9.02
	07-Dec-15	8.38	8.38	9.03
	02-Mar-16	8.40	8.40	9.05
	24-May-16	8.42	8.42	9.07
MP7	02-Sep-15	16.00	16.00	16.8
	08-Dec-15	16.05	16.05	16.85
	03-Mar-16	16.10	16.10	16.9
	25-May-16	16.12	16.12	16.92
MP8	02-Sep-15	16.20	16.20	16.9
	08-Dec-15	16.22	16.22	16.92
	03-Mar-16	16.30	16.30	17
	25-May-16	16.28	16.28	16.98
WB1	02/Sep/15	8.22	Windmill over bore	
	07/Dec/15	8.21	Windmill over bore	
	02/Mar/16	8.22	Windmill over bore	
	24/May/16	8.24	Windmill over bore	
WB2	20/Sep/15	15.62	8.6	2610
	07/Dec/15	15.68	8.6	3400

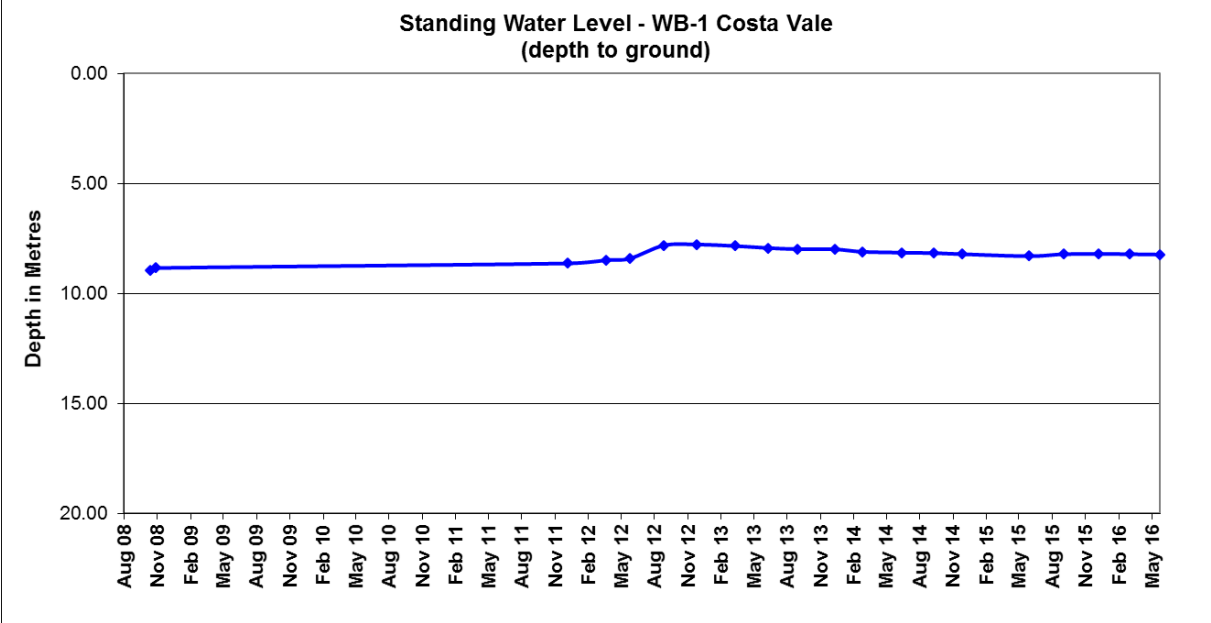
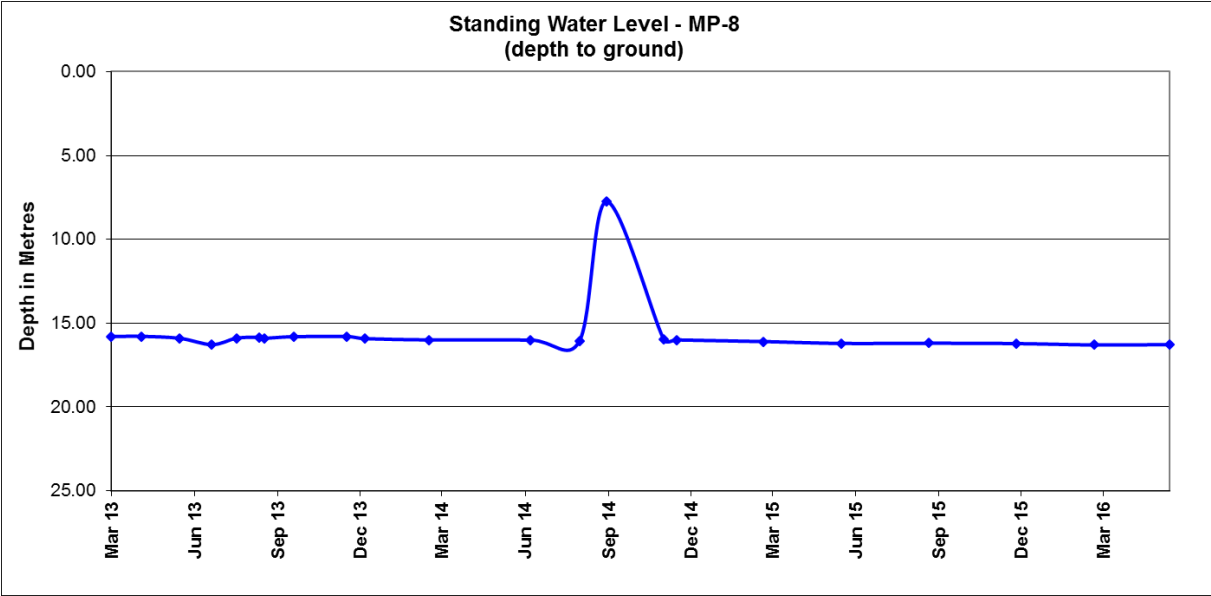
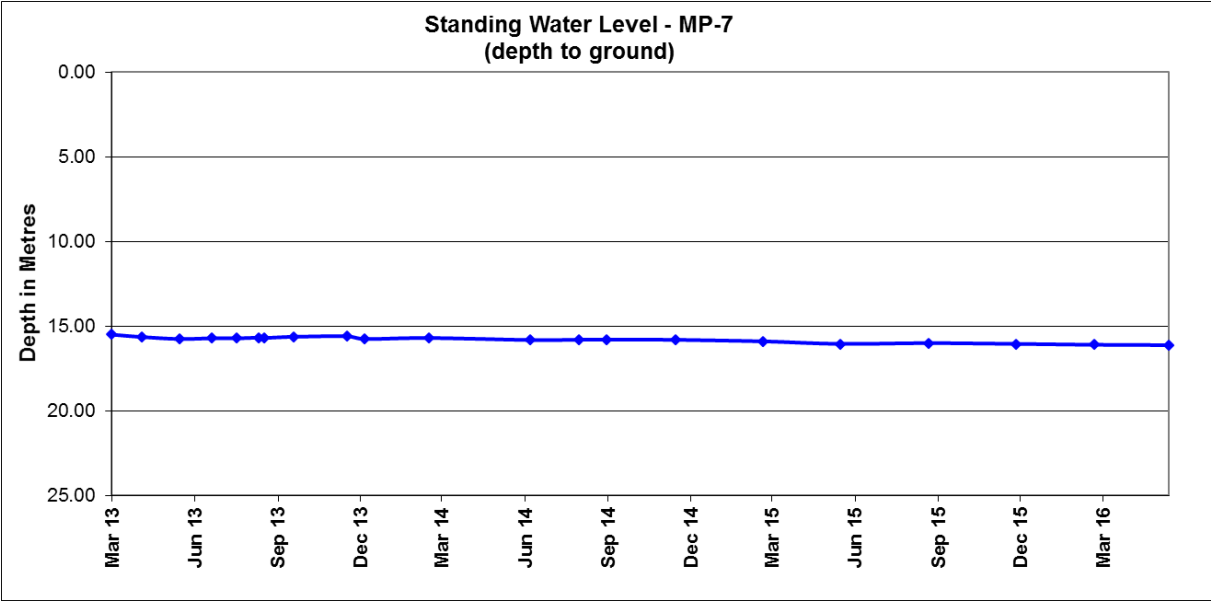
Site	Date	SWL (m)	pH	Elect. Conduct µs/cm
	02/Mar/16	16.22	7.3	2980
	24/May/16	15.74	7.6	3120
WB3	03/Sep/15	7.77	Pump over bore	
	08/Dec/15	7.66	Pump over bore	
	03/Mar/16	7.82	Pump over bore	
	24/May/16	7.74	Pump over bore	
WB4	02/Sep/15	Unable to dip	No sample	
	08/Dec/15	Unable to dip	No sample	
	02/Mar/16	Unable to dip	No sample	
	24/May/16	Unable to dip	No sample	
WB5	02/Sep/15	10.9	7.5	7560
	07/Dec/15	12.83	7.5	8926
	02/Mar/16	19.4	7.4	7460
	24/May/16	10.9	7.5	7680
WB6	03/Sep/12	22.04	Bore equipped	
	07/Dec/15	22.38	Bore equipped	
	02/Mar/16	22.62	Bore equipped	
	24/May/16	22.80	Windmill over bore	
WB7	02/Sep/15	11.74	Windmill over bore	
	07/Dec/15	11.92	Windmill over bore	
	03/Mar/16	12.08	Windmill over bore	
	25/May/16	12.2	Windmill over bore	
WB8	03/Sep/15	28.71	Pump over bore	
	08/Dec/15	29.32	Pump over bore	
	03/Mar/16	29.46	Pump over bore	
	25/May/16	28.65	Pump over bore	
WB9	15/Sep/15	22.99	7.7	1160
	08/Dec/15	23.79	7.6	1120
	03/Mar/16	Pump over bore	7.6	1210
	25/May/16	Windmill over bore		
WB10	02/Sep/15	14.13	7	2060
	08/Dec/15	14.56	6.9	2080
	03/Mar/16	14.33	7	2090
	25/May/16	14.06	7	2050
WB11	02/Sep/15	17.25	7.6	1780
	08/Dec/15	No access		
	03/Mar/16	20.05	7.8	1360
	25/May/16	17.67	7.7	978
WB12	02/Sep/15	13.08	8.3	1590
	08/Dec/15	13.18	8.3	1471
	03/Mar/16	13.18	8.3	1520
	25/May/16	13.22	8.4	1480
WB13	15/Sep/15	12.80	7.2	3410

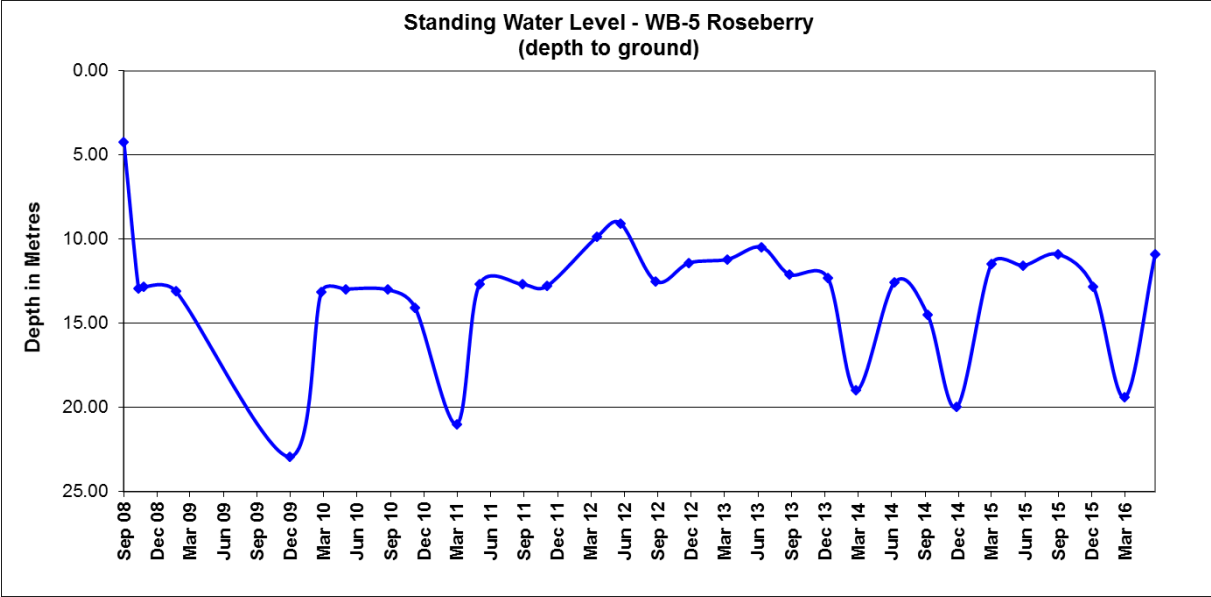
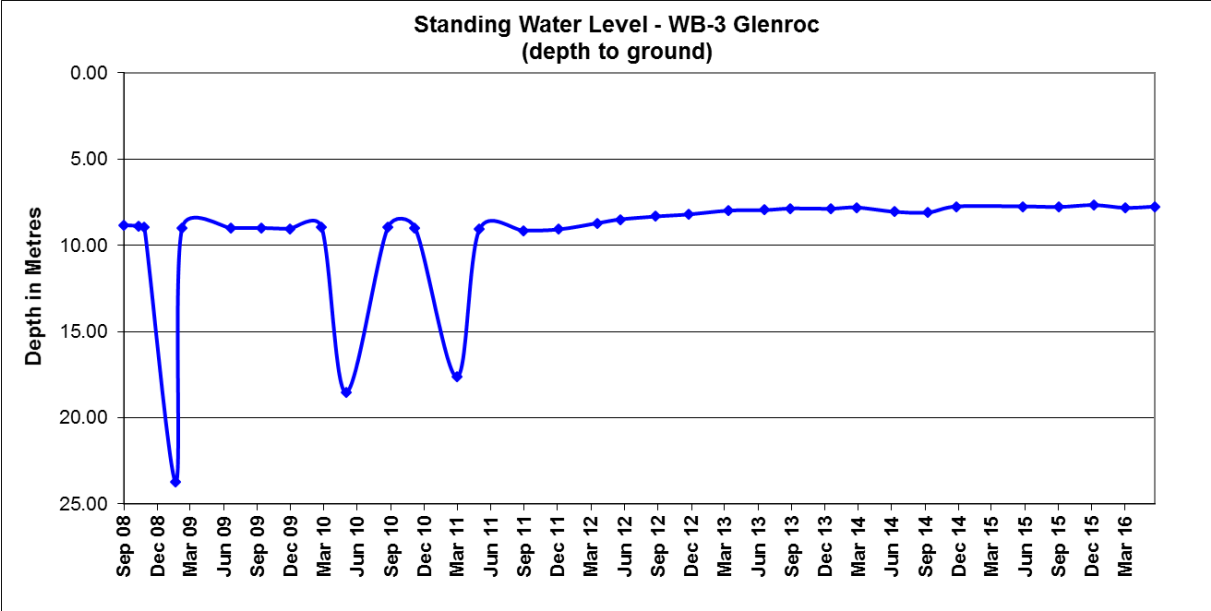
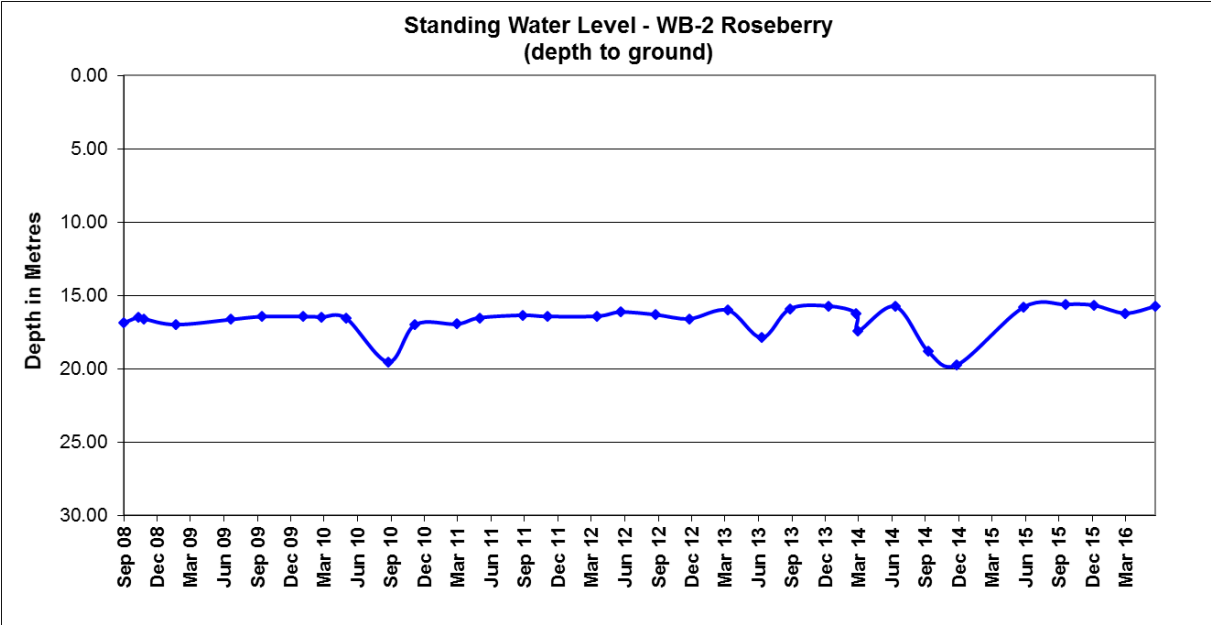
Site	Date	SWL (m)	pH	Elect. Conduct µs/cm
	08/Dec/15	38.87	7.1	3590
	03/Mar/16	39.00	7.1	3540
	25/May/16	31.96	7.1	3460
WB-14	03/Sep/15	14.90	7.5	1260
	08/Dec/15	21.22	7.6	1309
	03/Mar/16	21.90	7.6	1290
	25/May/16	22.07	7.6	1295
WB-15	15-Sep-15	26.88	7.6	1410
	08/Dec/15	27.28	7.1	1404
	03/Mar/16	27.88	8	1290
	25/May/16	31.97	7.7	1382
Production Bore	03/Sep/15	Pump over bore	6.9	3590
	07/Dec/15	Pump over bore	7.1	3550
	02/Mar/16	Pump over bore	7	3470
	24/May/16	Pump over bore	7	3540
Surrey No.2	03/Sep/15	32.49	7.2	3400
	08/Dec/15	32.9	7.1	3460
	03/Mar/16	34.19	7.4	3120
	25/May/16	32.47	7.4	3130

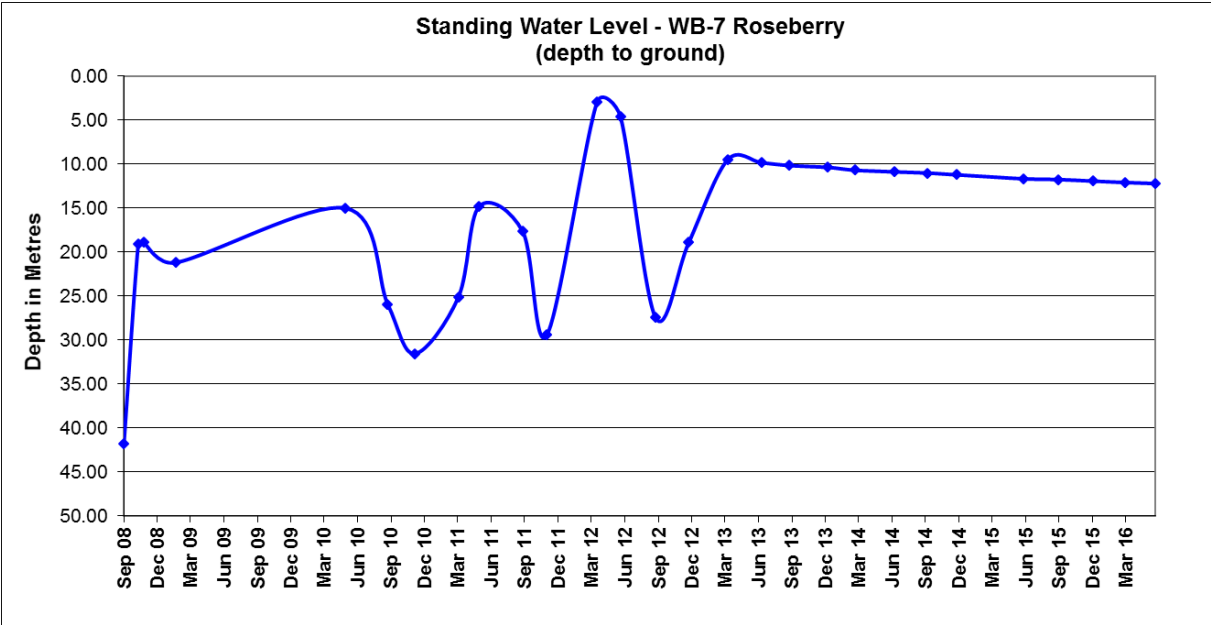
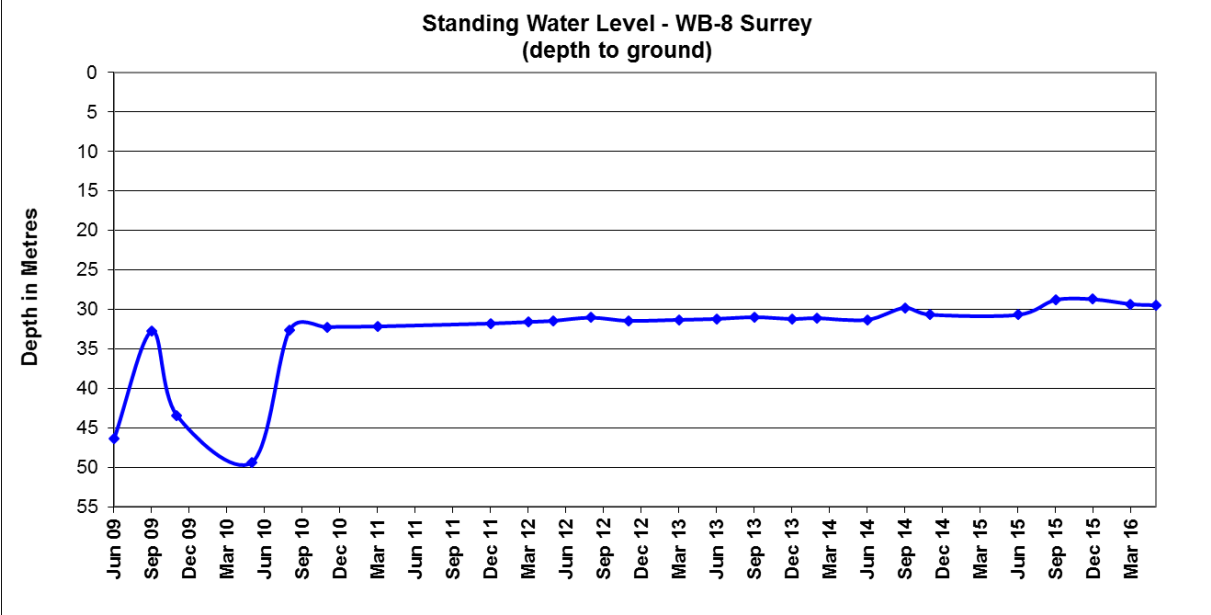
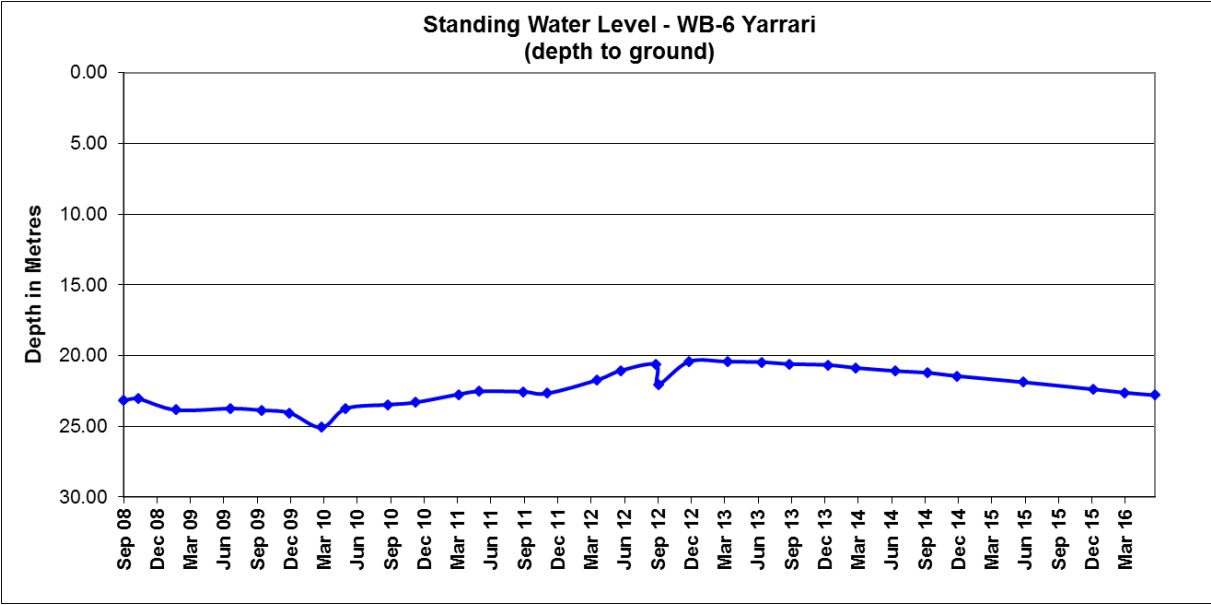


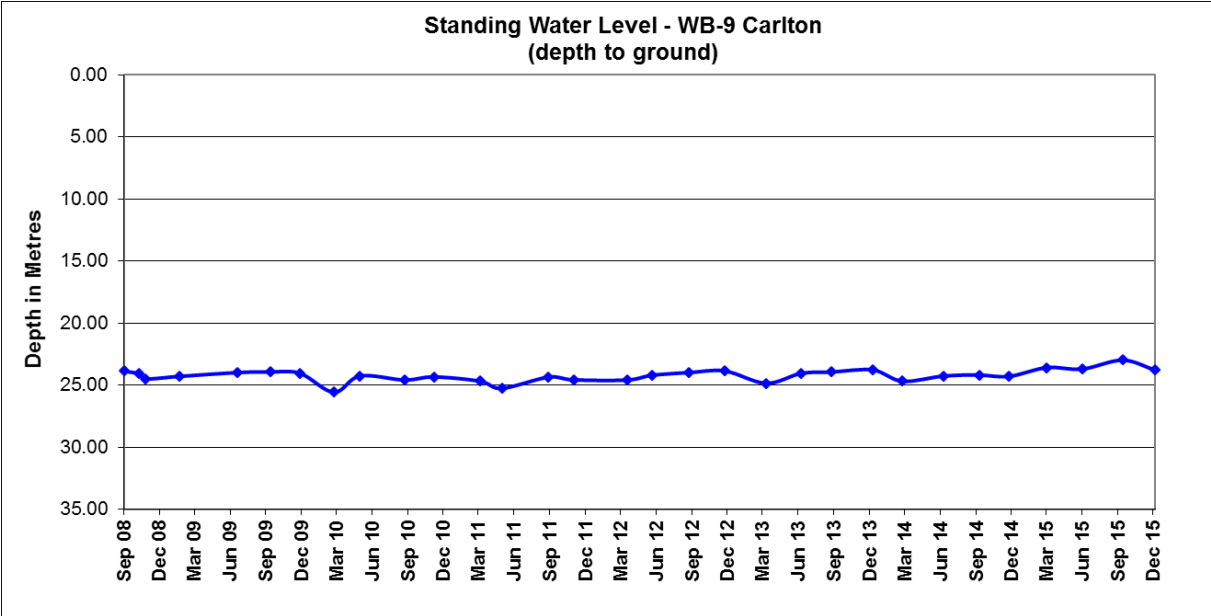
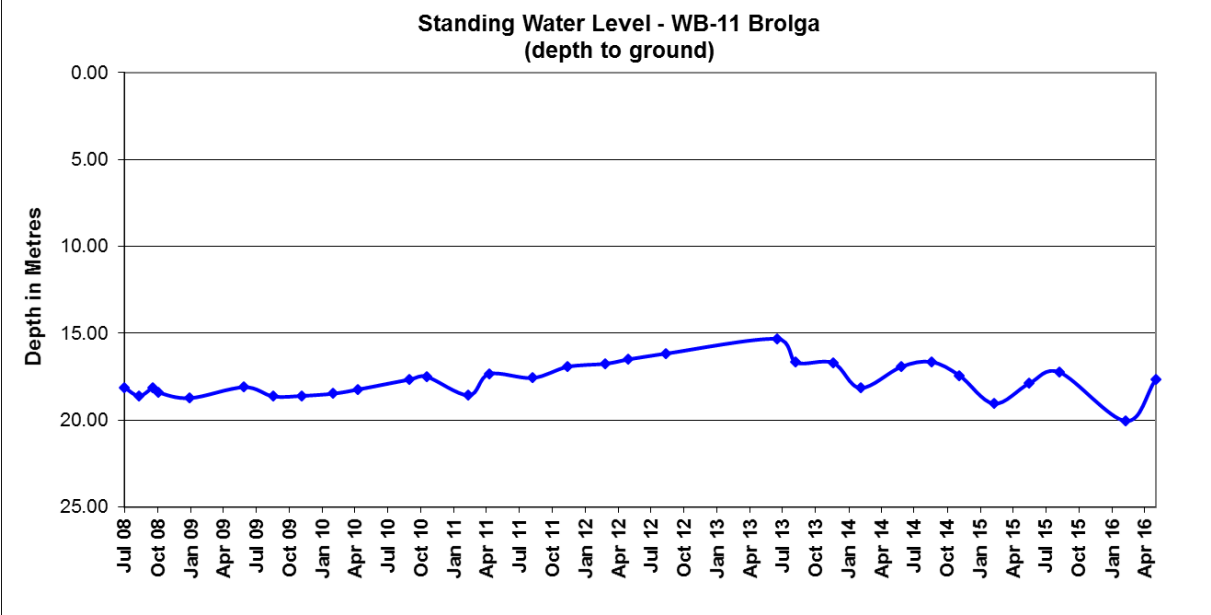
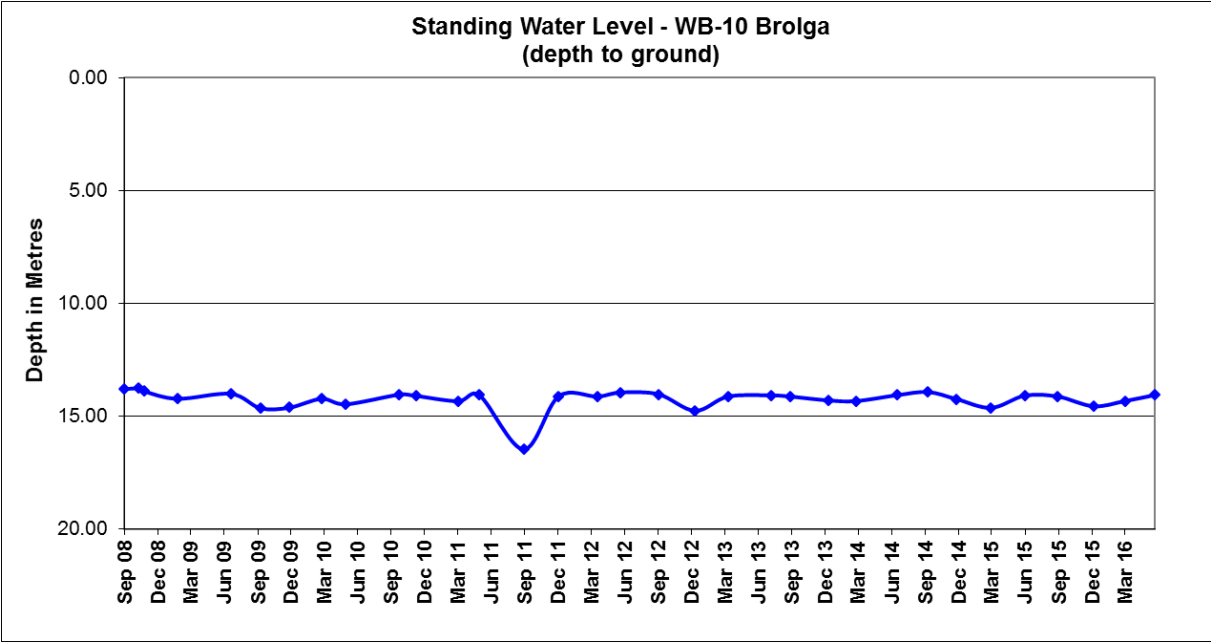


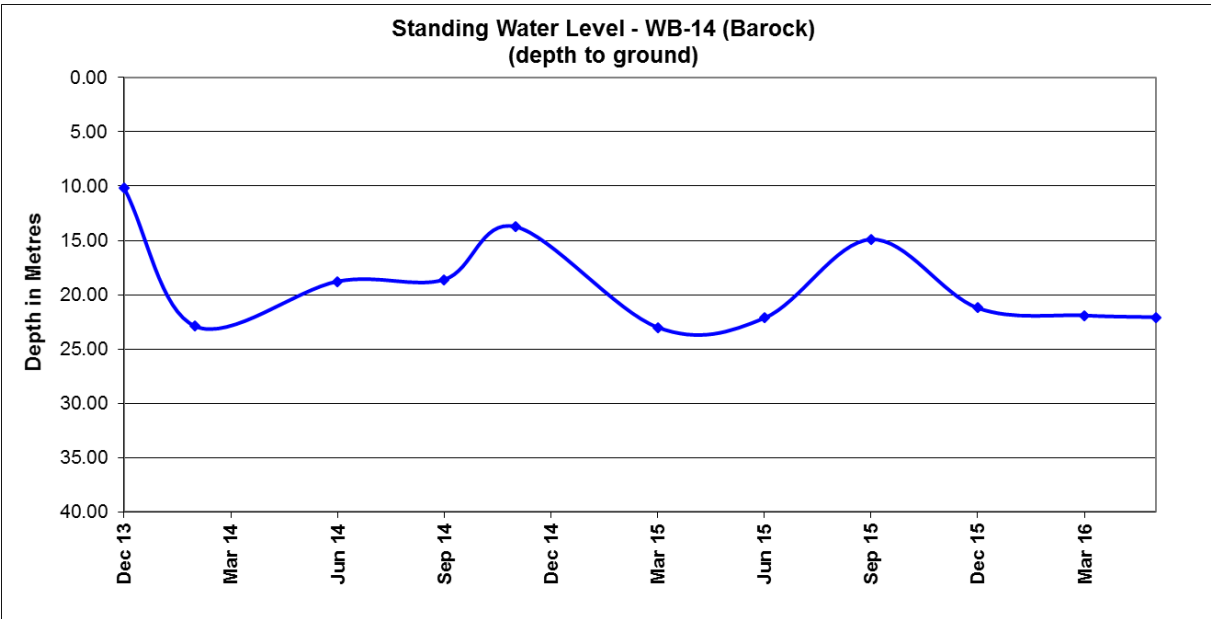
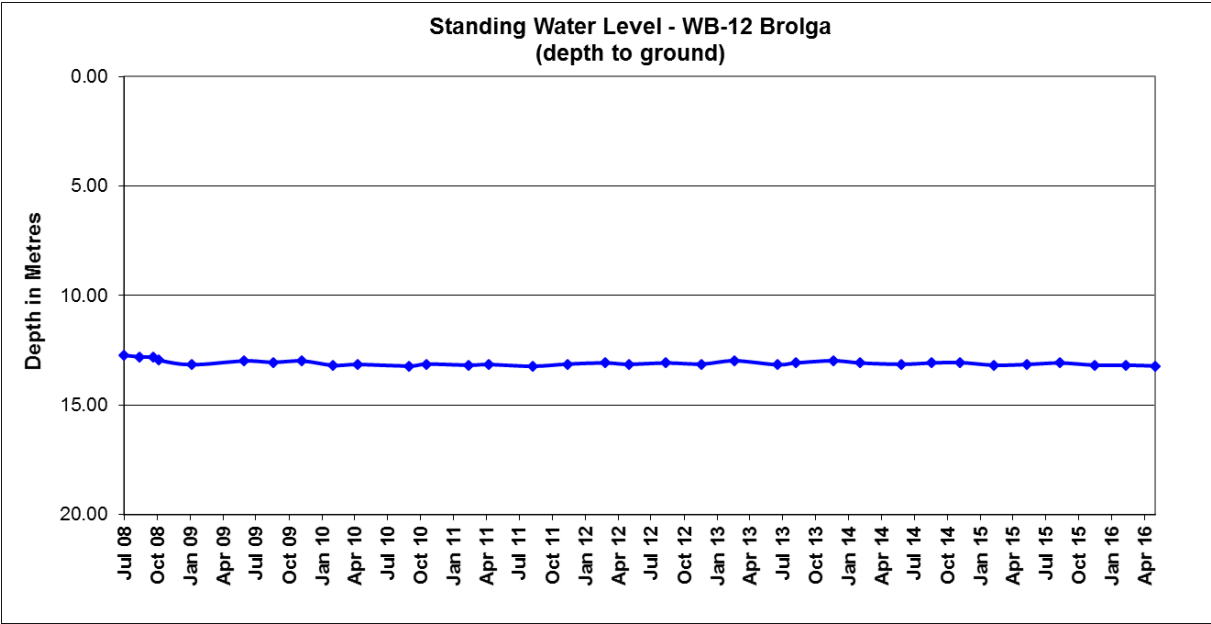
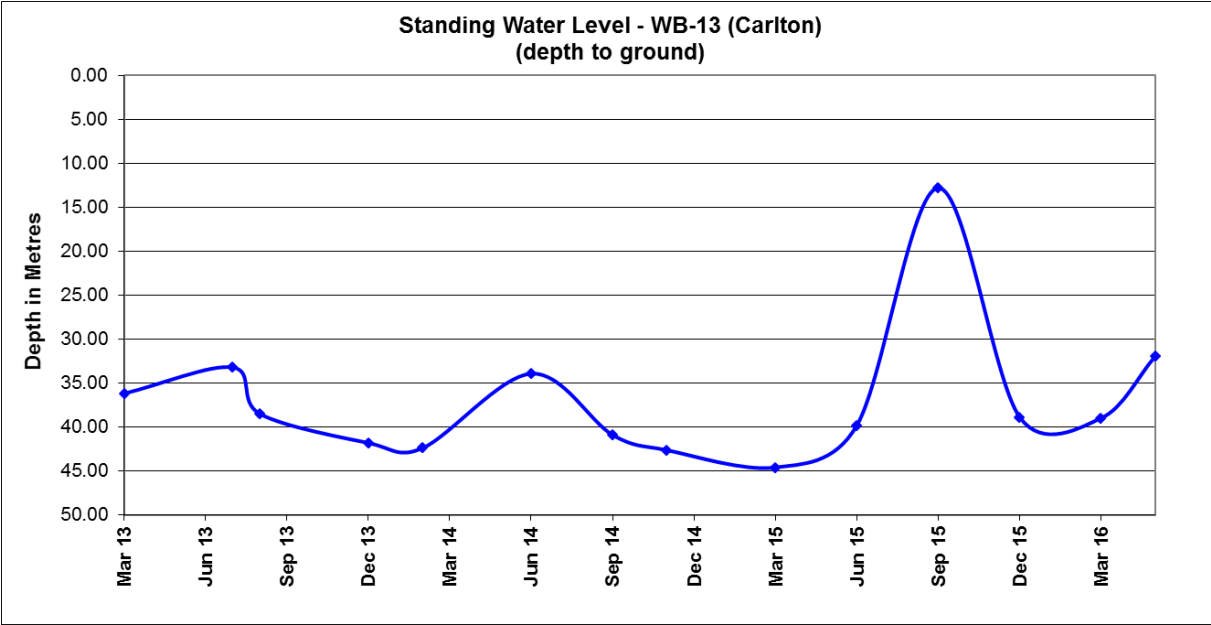


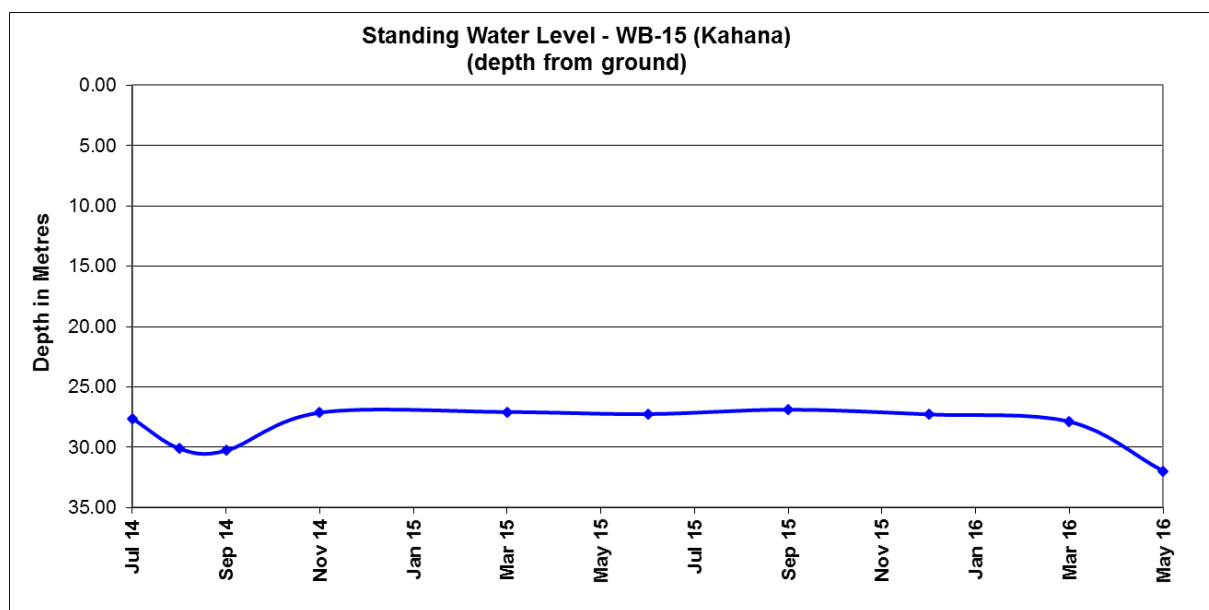












Standing water level trends have remained consistent since the last CCC meeting, with the exception of WB-15 (at Kahana) which showed a drop of approximately 5m between March and May 2016. The field sampler noted a pump was running at the time of sampling (not related to Rocglen operations) which is likely to have contributed to the change in standing water level.

Surface Water

No wet weather discharges have occurred since the last CCC meeting.

Complaints

3 complaints have been received since the last meeting, see complaint summaries provided below.

Method	Date/Time of Complaint	Nature of Complaint	Investigation	Action Taken / Follow-up
Phone call to site office (Rocglen Operations Manager) & follow up call from Group Superintendent – Environment (Operations)	08/04/2016 ~2:00pm	The complainant stated that the blast shook their house and they are worried stock bores may collapse.	Confirmed blast monitoring results were compliant with requirements.	Structural Inspection to be undertaken following request from complainant.
Via e-mail from EPA	14/04/2016 9:51am	The complaint alleged excessive blast fumes from a blast that occurred between 1245 and 1300hrs at the premises.	EPA requested details compiled into report on blast.	Report provided to EPA.
Site visit to Rocglen Coal Mine, with follow up call from Operations Manager	26/05/16 2:38pm	Complainant stated that the blast shook things off the table at his property, and they are worried about stock bore.	Investigation into blast overpressure. Structural inspection of property undertaken.	Report provided to EPA. Copy of structural inspection report to be provided to complainant when finalised.

Rehabilitation

Construction, drainage, earth works and mounding of the northern rehabilitation has been completed. Seeding occurred on the whole landform, generally woodland on the western side and pasture on the eastern side, however had limited success due to the very dry summer. Soil testing has been undertaken to determine the appropriate actions to be considered before re-seeding.

Minutes of Rocglen Coal Mine Community Consultative Committee – Meeting #29

Meeting Held: Wednesday 14th December 2016

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

Commencement Time: 3:00pm

1. Present and Apologies

Present:

Mr John Sturgess (JS) - Independent Chairperson
Mr Jason Conomos (JC) - Operations Manager
Mr Tim Muldoon (TM) - Group Manager Community Relations & Property
Clr Colleen Fuller (CF) - GSC Representative
Mrs Maddie Whitten (MW) – Environmental Graduate
Mr Rod Barnes (RB) - Community Representative

Apologies: Mrs Pam Burns (PB) - Community Representative

2. Previous Minutes

Minutes accepted as a true record on the motion of MW and CF.

3. Business Arising from Previous Minutes

3.1. N/A

4. Mine Progress Report

JC provided an update on production since the last meeting (covering the period start of June 2016 to end November 2016).

- Approximately 626 thousand tonnes of coal
- Approximately 2.137 million cubic metres of overburden
- Strip ratio of 3.4:1

5. Review of Environmental Performance

MW presented the environmental monitoring results which are attached in the environmental monitoring report.

6. General Business

MW tabled new CCC guidelines from Department of Planning and Environment. Stated that under the new guidelines it is the role of the Chairperson to take

minutes, or arrange someone to take them in their place. Given that the meeting was a transition meeting to new guidelines, MW confirmed she was helping JS by taking minutes today, but that Whitehaven wouldn't be responsible for it moving forward. MW also drew attention to the Code of Conduct forms in the guidelines for members, and requested that the members read the new guidelines, and then sign and return forms to either herself or JS. CF queried whether the form was something that would be expected to be signed each meeting. MW confirmed that Code of Conduct only needs to be signed once.

CF queried whether the meeting minutes and environmental report were able to be provided to council as part of her meeting report. TM confirmed that was acceptable as both are public documents available on the Whitehaven Coal website.

RB noted a large shot earlier the same day. JC stated that the shot was small in size, with only a small amount of explosives used. MW confirmed results of blast were compliant.

RB queried the large red crosses on Wean Road. JC explained that they are used as survey reference points for the new drone.

RB requested again that a gate be installed in the new fence along his property boundary. TM suggested that the issue would be handled by Whitehaven Biodiversity Specialist, given that the fencing was undertaken as part of biodiversity offset requirements. MW confirmed she would pass the request on to the biodiversity specialist.

7. Next Meeting

Mid June 2017 – date to be advised.

Meeting closed 3:12pm.

J Sturgess
Chairman

Sunnyside Coal Mine Community Consultative Committee Meeting #21

Environmental Monitoring Report November 2015 – November 2016

Noise Monitoring

Operational noise monitoring has not been carried out since the mine was placed into care and maintenance.

Air Quality Monitoring

Deposited Dust

Deposited dust levels for the site since the last meeting are as follows:

Month	SD1 Ferndale	SD3 Plainview	SD4 Lilydale	SD5 Ivanhoe	SD6 Illili	SD7 Innisvale	SD8 Woodlawn
November 2015	1	1.5	0.7	2.7	3.3	0.5	1.3
December 2015	2.2	2.3	1.4	3.5	1.5	0.5	1.2
January 2016	0.4	2	1.7	2.3	4.7	0.3	0.9
February 2016	0.5	2.5	2.4	1.5	0.4	1.4	2.2
March 2016	0.6	0.5	1	2.3	2.1	0.6	1.2
April 2016	0.9	5.6	4.1	1.9	0.9	0.7	3
May 2016	0.5	2.1	0.7	0.9	0.4	0.8	2.1
June 2016	0.3	1	3.2	5.4	0.3	0.7	0.5
July 2016	1.3	0.3	0.2	2	0.2	0.5	0.2
August 2016	0.2	0.1	0.2	0.3	0.3	0.4	0.3
September 2016	0.3	0.7	0.5	0.4	2.5	0.4	0.2
October 2016	0.2	0.4	0.4	<0.1	0.3	0.3	0.7
November 2016	0.5	0.5	0.8	<0.1	3.7	0.5	<0.1
Annual Average	0.7	1.5	1.3	1.2	1.6	0.6	1.1

Dust levels have remained compliant since the last meeting and the annual averages remain below the criteria of 4g/m²/month.

PM₁₀ Data

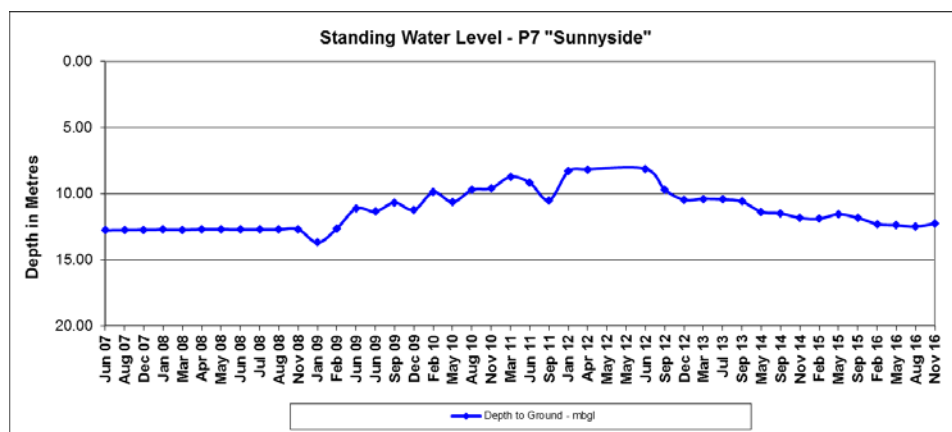
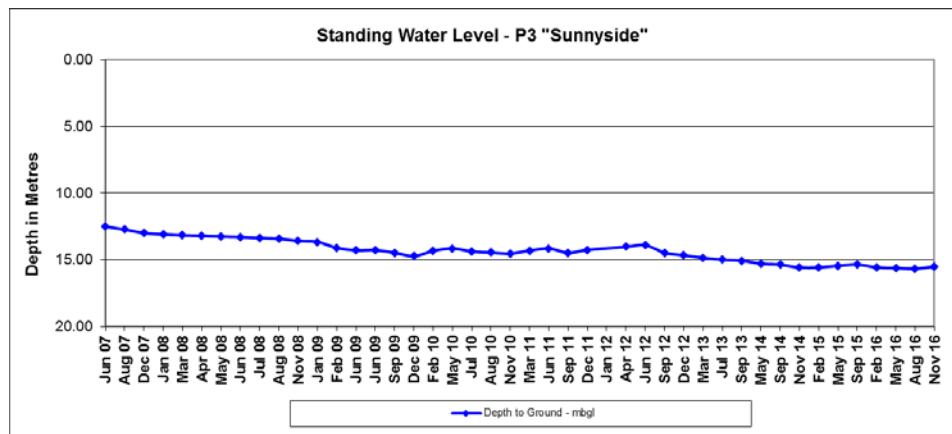
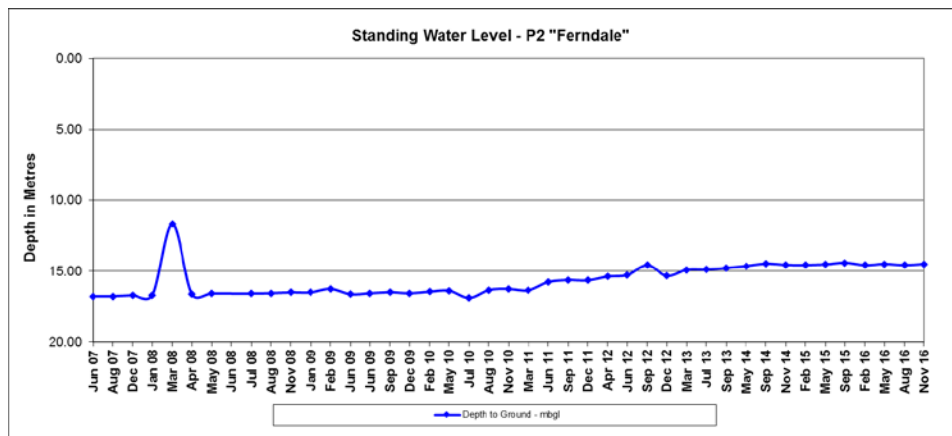
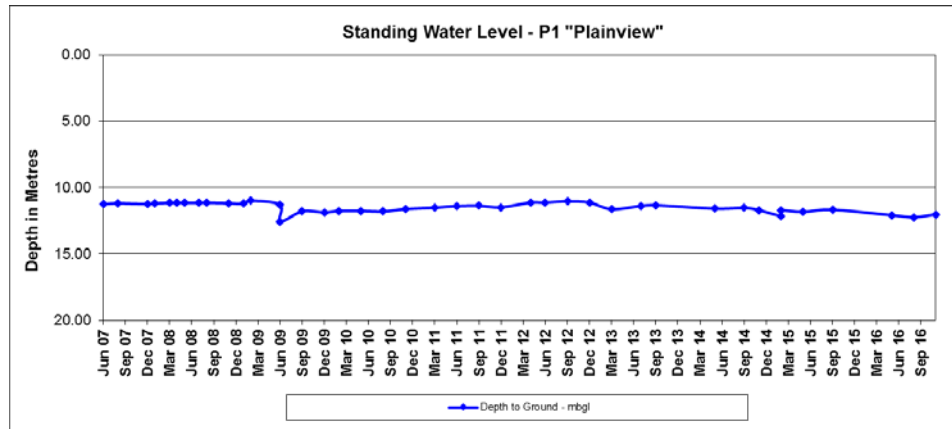
Compliance with the 24hr criterion of 50µg/m³ has been maintained during the reporting period.

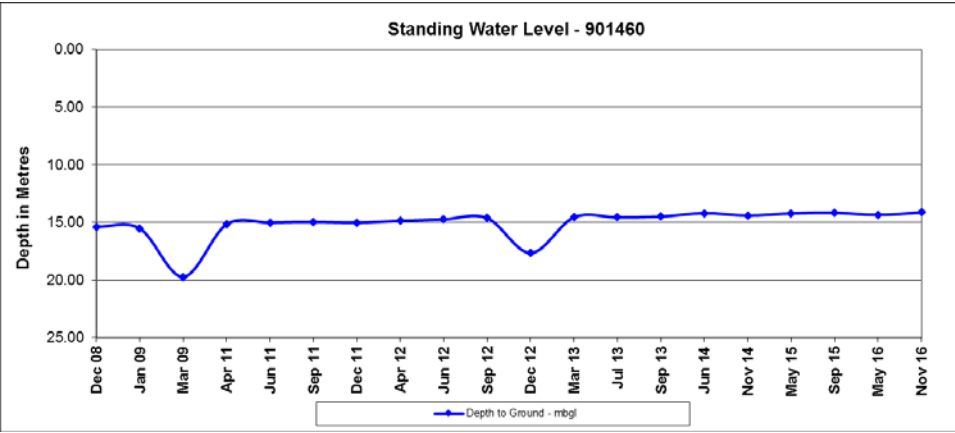
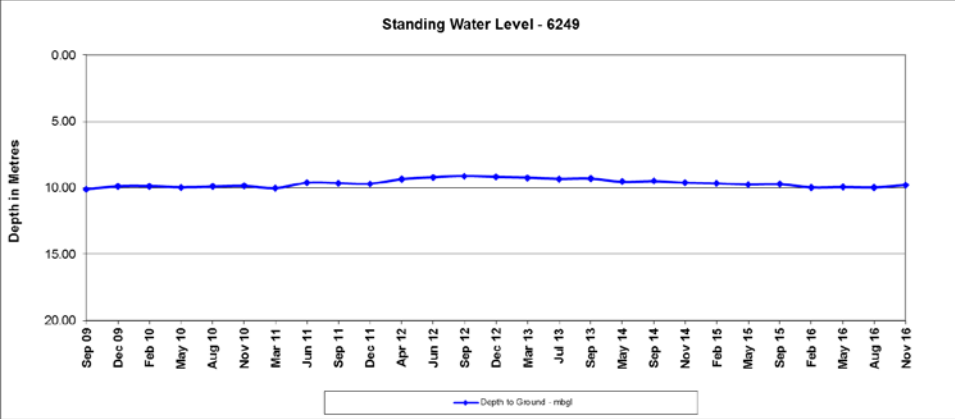
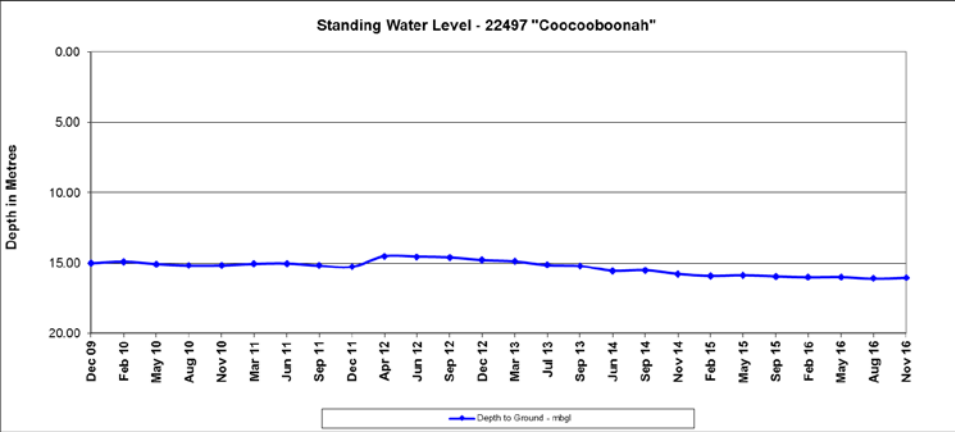
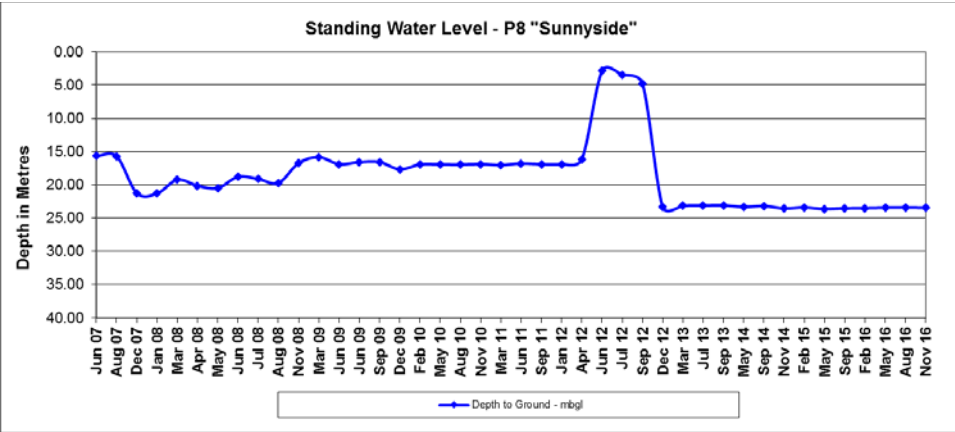
PM₁₀ measurements taken for the “Illili” High Volume Air Sampler (HVAS) are returning a running annual average of 12.74µg/m³, which is well below the annual average limit of 30µg/m³.

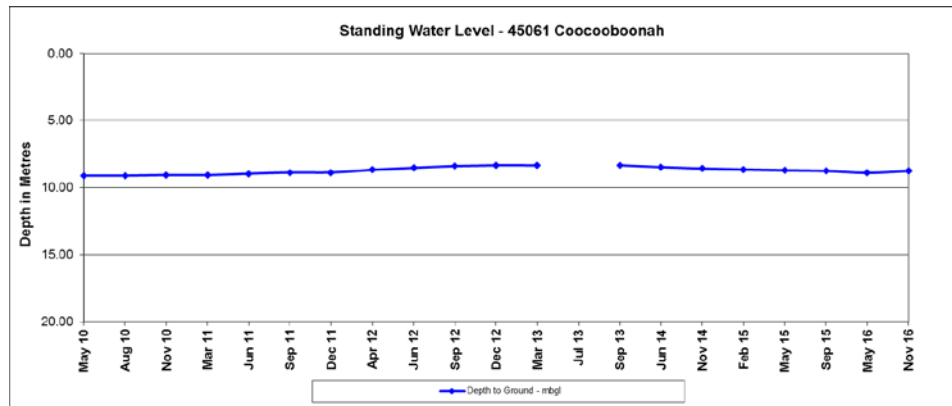
Groundwater Monitoring

Groundwater monitoring is undertaken from a range of monitoring piezometers and water bores both within and surrounding the mine site. Standing Water Level (SWL) checks are undertaken on a quarterly

basis, with full water quality sampling undertaken on a 6 monthly basis. Standing water levels have remained relatively consistent since the last meeting at all monitoring locations.







Surface Water

Surface water sampling of storages onsite continues to be carried out on a quarterly basis. Results since the last meeting indicate consistent water quality, with the exception total suspended solids that have fluctuated as a result of water levels being low and/or flushes of runoff water following rainfall.

No wet weather discharges occurred during the period.

Complaints

No complaints have been received since the last meeting.

Approvals

A Care and Maintenance MOP was submitted in April 2016, and approved on the 3rd May 2016.

Rehabilitation

No further rehabilitation has been undertaken at the site since the last meeting.

Independent Environmental Audit

As required by the Project Approval, the site has recently undertaken a 3 yearly Independent Environmental Audit. The audit report and Whitehaven's action plan to address any non-compliances will be submitted to DP&E in December. The audit report will be made publically available, via the Whitehaven website, following approval by DP&E.