

Minutes: Minutes of the Meeting of the Maules Creek Coal Community Consultative Committee held on **Thursday 13 February 2025** at the Boggabri Golf Club commencing at 1.20 pm.

Members Present: Robyn Grover (RG) – Community Representative, Steve Eather (SE) – Community Representative, Libby Laird (LL) – Community Representative, Cr Brett Dickinson (BD) – Narrabri Shire Council, Emma Bulkeley (EB) – WHC, Darren Swain (DS) – WHC, Jorge Moraga (JM) – General Manager, Maules Creek Operations.

Apologies: Elizabeth O’Hara (EOH) – Community Representative, Cr Darrell Tiemens (DT) – Narrabri Shire Council, Jabin de Keizer (JdeK) – WHC.

Observers: Roselyn Druce (RD) – Maules Creek Community, Steve Farrer (SF) - Lead Approvals WHC

Independent Chair: Michael J. Silver OAM (MJS)

Agenda Item	Discussion	Action/By Whom
1.	Welcome and Apologies – MJS welcomed everyone to the meeting.	
2.	Acknowledgement of Country - The Chair acknowledged the Traditional Owners of the land on which the meeting is being held and their continuing connection to land, water, and culture, paying respects to their Elders past, present and emerging.	
3.	Declaration of Pecuniary or Other Interests - RG has a family member working at Maules Creek Coal Mine. MJS expenses as chair are borne by the Proponent.	
4.	Minutes of the Previous Meeting – The minutes of the meeting of 13 November 2025 were approved on 17 December 2024.	
5.	Business Arising from the Previous Minutes Nil	
6.	Actions 6.1 MJS to advise DPHI of concerns raised by CCC members regarding the IEA process. <i>Response: MJS advised that he had formally notified the DPHI of the concerns raised by CCC members regarding the IEA process. He had not received a response.</i> <i>Chair's post meeting note: The Independent Environmental Audit 2024 Maules Creek Mine can be found at: https://whitehavencoal.com.au/Documentations/Maules%20Creek%20Mine/Environmental%20Management,%20Monitoring%20&%20Compliance/Independent%20Environmental%20Audits/MCC%20-%20Maules%20Creek%20Coal%20Independent%20Audit%20Report%20and%20Response%20to%20Action%202024.pdf</i> <i>Reference to Agency and Community Consultation can be found on Pages 8 to 10.</i> 6.2 MJS to write to DPHI detailing the potential breach of the conditions of consent in respect of membership of the CCC. <i>Response: MJS advised that prior to writing to DPHI regarding the committee membership matter he had received advice from DPHI on 22 November 2024 – “NSW Planning has assessed the breach in accordance with its Compliance Policy (October 2020) and determined to Record the Breach with no formal enforcement action warranted. In assessing the breach, NSW Planning considered that both MCC and the Chair of the CCC have made ongoing efforts to recruit an Aboriginal Stakeholder group representative, including advertising in local papers, on the MCC website and through direct discussions with individuals and community groups, however no interest has been shown in filling the position on the CCC. NSW Planning has requested MCC to continue its efforts to recruit Aboriginal Stakeholder group representation for the MCC CCC, and to provide an update at each CCC meeting on its efforts in the preceding period to recruit Aboriginal Stakeholder group representation for the MCC CCC. MJS indicated that given the response there was no need to make further representations to the Department.</i> 6.3 EB to table dust monitoring data for 10 November 2024 at the next CCC meeting.	

Response: A review of the dust levels on the 10 November 2024 was undertaken. It was calculated that MCC contributed 0.2ug/m³ of PM10 on this day due to wind direction and speed. The dust TARP was triggered between 20:55 and 22:50. A review of the wind speed and direction indicated that wind speeds were very low (below 3km/hr) and wind direction ranged between 200 – 280 degrees. Operations were occurring below surface level with 4 water trucks operational during this period.

6.4 EB to confirm current locations of TEOM monitors.

Response: Refer to Proponent's Report attached.

6.5 JdeK to provide responses to questions on Methane Emissions and Methane Abatement.

6.5.1 What tonnage of methane emissions has WHC reported to the Clean Energy Regulator for the six-month period from Jan 2023 to June 2023? How was this calculated?

Response: MCC reports to the Clean Energy Regulator on a Financial Year frequency. For the 12-months of FY 2023, MCC reported 279,914 tCO₂-e of Scope 1 and Scope 2 GHG emissions. GHGs are standardised into CO₂-e, which use standard ratios to convert various gases into the equivalent amounts of CO₂. Thus, the 279,917 tCO₂-e includes all scope 1 and scope 2 GHG emissions at MCCM, including methane. MCC produces low gaseous fugitive emissions, dominated by carbon dioxide, indicative of a low gas content domain.

MCC calculates methane emissions using approved methodology under the National Greenhouse and Energy Reporting (NGER) Scheme and Clean Energy Regulator. Each financial year, all of WHC's NGER data is independently assured. During the assurance process, the MCC GHG emissions data collection, record keeping and verification methods are audited to ensure compliance with Section 19 of the National Greenhouse Energy Act.

6.5.2 Does WHC believe that Open Methane's initial data for Maules Creek is accurate (or in the ballpark)? If not, why not?

Response: The Clean Energy Regulator (CER) is the independent statutory authority responsible for collecting and verifying methane emissions data. MCC complies with the approved monitoring methodologies set out by the CER under the National Greenhouse and Energy Reporting Scheme.

6.5.3 Has WHC commissioned independent, ground-based monitoring of methane emissions at Maules Creek to investigate the discrepancy between Open Methane's data and the data reported to the Clean Energy Regulator? If not, why not?

Response: The regulatory framework governing emissions monitoring is well-established through the State and Federal Government's project approvals and licensing frameworks, which Whitehaven complies with across all its mines. MCC undertakes all emissions monitoring in accordance with the approved methodologies under the National Greenhouse and Energy Reporting (NGER) Scheme. This monitoring data is subject to rigorous independent auditing to the satisfaction of the Clean Energy Regulator.

6.5.4 Is WHC intending to pre-drain and flare gas at Maules Creek? If yes, when will this begin and what level of abatement would likely be achieved? If not, why not?

	Response: <i>There are no immediate plans to undertake pre-drainage or flaring at MCC, given limitations in present day abatement technology and Maules Creek's gas composition. MCC will continue to evaluate site-based abatement opportunities as new technologies become available.</i> 6.6. EB to advise whether there will be forest land clearing in February 2025 Response: <i>EB advised land clearing will occur in the 2025 clearing window. The current Forward Plan depicting land clearing for 2025 is available on the WHC website https://whitehavencoal.com.au/our-business/our-assets/maules-creek-mine/ in the forward plan.</i> 6.7 EB to provide numbers and genus of euthanized fauna during 2024. Response: <i>EB advised that no animals (other than pest species) were euthanised during 2024.</i> 6.8 EB to confirm employee transfer numbers from WCC mine to MCC mine Response: <i>Five (5) employees from the Werris Creek Coal Mine have transferred to Maules Creek Coal Mine.</i> 6.9 MJS to highlight the CCC concerns regarding the BMP consultation process with DPHI. Response: <i>MJS advised that on 9 January 2025 he had spoken with the DPHI regarding the Draft Biodiversity Management Plan (BMP) consultation process. The DPHI requested a Timeline Report on the CCC's consideration of the Draft BMP. The Timeline Report, prepared by MJS, was forwarded to DPHI on 16 January 2025.</i>	
7.	Correspondence 7.1 NSW Department of Planning Housing & Infrastructure: Responding to CCC's representations in respect of alleged breach of conditions of consent. Matter addressed in Action 6.2 above.	
9.	Environmental Monitoring Report <i>A copy of the Monitoring Report is attached to the minutes.</i> The Environmental Monitoring Report was distributed to members prior to the meeting. There were no questions raised in relation to the report.	
10.	Proponent's Presentation <i>EB introduced the Proponent's Presentation. A copy of the presentation is attached to the minutes.</i> Health and Safety The Committee noted the Health and Safety Performance data – Total Recordable Injury Frequency Rate (TRIFR) 1.00 Environmental Monitoring Depositional Dust EB stepped the Committee through the dust deposition table. She noted the annual reporting period (12 monthly rolling annual average) remained below the relevant Project Approval criteria. Further that contamination of the dust deposition gauges had occurred due to bird faeces.	

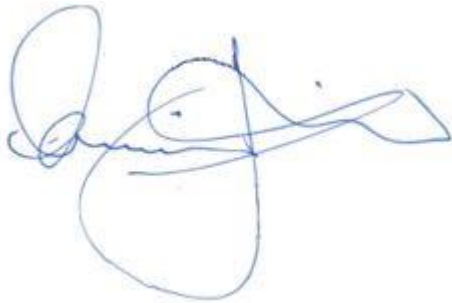
	HVAS EB advised that the High-Volume Air Sampler at “Olivedene” had recorded no exceedances during the 24-hour average of 50 µg/m³ highlighted that the Rolling Annual Average was recorded at 12.6 µg/m³, which is below the Annual Average Guideline of 30 µg/m³. TEOM (PM10) EM explained the tapered element oscillating microbalance tables with the annual rolling averages for TEOM 1 and TEOM 3 were below with the 30µg/m³ criteria. EM noted that harvest activity and roadworks on Harparary Road had contributed to dust levels in the TEOM 3 gauge. LL enquired where the gauge at “Avoca” is located. EM advised the gauge is near the corner of Therribri and Harparary Road, about 150 metres from Harparary Road. The meeting examined the Regional Air Quality PM10 Comparison graph noting that the thick dark blue line represents the Maules Creek PM10 24-hour average. It was noted the PM10 levels were low compared to other mines in the area. The Chair requested that greater clarity (colour of line) of the Maules Creek emissions be detailed on graphs presented to the CCC in the future. Environmental Monitoring Groundwater The meeting noted the groundwater bore locations on the map. It was noted that there had been little change in levels over the past twelve months. Similarly, there was little variability over the last 10 years. Standing Water Levels EB indicated that standing water levels had remained consistent over the previous 12 months. RD noted a spike in the September 2024 period and requested advice on the location. EB advised she would clarify which bore is involved. Biodiversity Management EB reported that the Whitehaven Biodiversity Feral Animal Control program have returned meaningful results. ○ 1,887 out of total 2,535 feral pigs removed were from the Maules Biodiversity properties; ○ 56 out of the total 111 feral goats removed were from the Maules Biodiversity properties; ○ 88 out of total 182 Canid Pest Ejectors (1080) triggered were from the Maules Biodiversity properties; EB also reported that considerable work had been undertaken on noxious weed control. Landscape Revegetation Zone	ACTION: EB to advise the water bore that engaged in the standing water level spike in September 2024.
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	EB advised that the Project would involve revegetation of the post-mine landform (as standard) but also revegetation of larger areas of cleared land in the wider landscape. SF indicated that this project would form part of the Extension Program and will establish linkages as detailed in the green hatched areas. LL sought clarification on the properties involved. EB advised that Whitehaven owns all land. LL requested that in all future mapping property names be noted on the maps. SF made the point that this initiative is part of the Project because it is recognised that these types of initiatives can provide more Nature Positive outcomes. Final Landform SF noted that one final void would remain post-mining in the south-east of the Project area. He then outlined the various aspects of the final landform. LL suggested that final landform was still subject to final approval. She then sought clarification on various geographic elements on the Conceptual Final Landform map, including the creek to the north of the site and Harparary Road and Leard Forest Road. SF responded accordingly. LF clarified that the pale green areas on the Conceptual Final Landform map are existing offset areas whilst the hatched areas are the new proposed areas. LL again sought clarification on the ownership of properties – “Do you own them?” DS responded yes, they will be revegetation areas. RD questioned whether they will be classified as offset areas. DS responded, “No.” RD questioned whether a certain property in the area had been sold to Whitehaven. DS understood the sale was not to Whitehaven. EB indicated she would check whether the sale was to Whitehaven. In response to LL, DS further explained the proposed final landform and indicated the final void. EB advised there will be one final void. RD questioned the location of the high wall dams. EB indicated on the edge of the new high wall. RD enquired whether there will be other high wall dams. EB responded there will be minimal catchment upstream of the void location. RD questioned whether this would prevent water finding its way to Back Creek. EB advised that water from final void area will not report to Back Creek but will in the rehabilitation area. LL asked whether the void is the same hole that currently exists. EB advised that the new void will be slightly smaller than the currently approved void. RD enquired whether significant amounts of overburden have been used in rehabilitation, EB advised that some overburden has been relocated. LL suggested the void has an area of 400 hectares. JM noted that the area of the void without the extension is 410 hectares. LL noted that the void will move – JM advised it moves to the east.	ACTION: EB to ensure that on all future maps of the mine environs presented to the CCC that property names are noted on the maps. ACTION: EB to check whether a property sale in the area was to Whitehaven. ACTION: EB to provide detail on the depth of the highwall and associated dimensions of the proposed final void
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11.	Other Agenda Items 11.1 Meeting Date and Time: LL requested consideration of amending the regular meeting day for the Maules Creek Coal Community Consultative Committee from a Wednesday to a Thursday. General discussion revealed no opposition to the proposal with, in principle, support subject to suitable times being established for other Consultative Committee meetings held on the day and particularly the May and October collective of meetings. The Chair indicated he would review the meeting program and distribute an amended program for the meetings scheduled for 14 and 15 May 2025.	ACTION: MJS to prepare an amended meeting program for the May CCC meetings.
12.	General Business 12.1 Further Modifications: LL enquired whether there were any further Modifications likely to be sought for the mine. EB responded that she was not aware of any Modification proposals.	
13.	Next meeting The next meeting is scheduled for 15 May 2025.	

Meeting Closed: 2.43 pm.

Approved:



Michael J. Silver
Independent Chair

24 March 2025

Appendix 1: Actions

Action No.	Description	Date Raised	Page No.	Status
1	MJS to review February 2024 minutes.	15.05.24	2	COMPLETED 24.06.24
2	MJS to respond to R. Druce that the matter needs to be taken up with NSC and the RFS	15.05.24	2	COMPLETED 24.06.24
3	MJS to respond to Mr Laird that there are fundamental issues that need to be addressed.	15.05.24	2	COMPLETED 24.06.24
4	EM to advise how groundwater data is sourced.	15.05.24	3	COMPLETED 26.08.24
5	MJS to contact UNSW regarding availability of ground water data.	15.05.24	3	COMPLETED 16.08.24
6	DS to provide locations of monitoring bores.	15.05.24	4	COMPLETED 26.08.24
7	MJS to discuss environmental representative on the CCC with DPIE	15.05.24	4	COMPLETED 08.08.24
8	MJS to advise DPHI of concerns raised by CCC members regarding the IEA process.	13.11.24	2	ONGOING
9	EB to confirm current locations of TEOM monitors	13.11.24	4	COMPLETED 13.02.24
10	MJS to write to DPHI detailing the potential breach of the conditions of consent in respect of membership of the CCC.	13.11.24	3	COMPLETE 22.11.24
11	JdeK to provide responses to questions on Methane Emissions and Methane Abatement.	13.11.24	6	COMPLETE 16.01.25
12	EB to advise whether there will be forest land clearing in February 2025	13.11.24	7	COMPLETE 13.02.25
13	EB to provide numbers and genus of euthanised fauna during 2024	13.11.24	7	COMPLETE 13.02.25
14	EB to confirm employee transfer numbers from WCC mine to MCC mine	13.11.24	7	COMPLETE 13.02.25
15	EB to advise the water bore that engaged in the standing water level spike in September 2024.	13.02.25	5	
16	EB to ensure that on all future maps of the mine environs presented to the CCC that property names are noted on the maps.	13.02.25	6	

17	: EB to check whether a property sale in the area was to Whitehaven.	13.02.05	6	
18	EB to provide detail on the depth of the highwall and associated dimensions of the proposed final void relative to current approved void	13.02.25	6	
19	EB to provide area to be cleared of vegetation associated with the Continuation Project.	13.02.25	7	
20	MJS to prepare an amended meeting program for the May CCC meetings.	13.02.25	8	

Appendix 2: Input from CCC Members for Future Meetings (from October 2023)

Description
Future site tour options: • Leard Forest Site Tour and presentation. • Tour of bores with hydrologist
Provision of Bush Fire Management Plans once revised.
Management of roads and access for fire management
Results of bird surveys
Experts for noise, dust, and water to attend if interest is there
When do the water models get updated?

Maules Creek Coal Mine Community Consultative Committee Meeting #48

Environmental Monitoring Report For the Q4 period, October - December 2024

Attended Noise Monitoring

Maules Creek Coal (MCC) engaged an independent acoustic consultant to conduct LAeq (15minutes) and LA1 (1 minute) attended noise monitoring at six monitoring locations on site.

A. NOISE GENERATED BY MCCM AGAINST OPERATIONAL DAY & NIGHT NOISE CRITERIA; October - December 2024 .

The results show that MCCM is within EPL 20221 compliance limits, that operations did not exceed the applicable; LAeq (15minute) 35dB Criteria, LA1 (1Minute) 45dB Criteria and the EPA's Noise Policy for Industry compliance guidelines.

Table 1 –October Noise Monitoring

Location	Start date and time	Wind		Stability class	Very enhancing? ¹	Limits, dB ¹		Site levels, dB ²		Exceedances, dB	
		Speed m/s	Direction ³			L _{Aeq,15minute}	L _{Amax}	L _{Aeq,15minute}	L _{Amax}	L _{Aeq,15minute}	L _{Amax}
NM1	22/10/2024 22:30	0.3	20	F	No	35	45	<25	25	Nil	Nil
NM2	22/10/2024 23:30	0.4	125	F	No	39	45	28	<30	Nil	Nil
NM3	22/10/2024 23:29	0.4	125	F	No	35	45	<20	<20	Nil	Nil
NM4	22/10/2024 23:00	0.5	170	F	No	35	45	<20	<20	Nil	Nil
NM5	22/10/2024 22:00	0.2	249	F	No	35	45	<25	29	Nil	Nil
NM6	23/10/2024 00:02	0.4	170	F	No	35	45	<25	<25	Nil	Nil

Table 2 – November Noise Monitoring

Location	Start date and time	Wind		Stability class	Very enhancing? ¹	Limits, dB ¹		Site levels, dB ²		Exceedances, dB	
		Speed m/s	Direction ³			L _{Aeq,15minute}	L _{Amax}	L _{Aeq,15minute}	L _{Amax}	L _{Aeq,15minute}	L _{Amax}
NM1	5/11/2024 22:30	2.6	166	D	No	35	45	IA	IA	Nil	Nil
NM2	5/11/2024 23:30	2.8	188	D	No	39	45	<20	<25	Nil	Nil
NM3	5/11/2024 23:17	2.2	182	E	No	35	45	IA	IA	Nil	Nil
NM4	5/11/2024 23:00	2.3	157	E	No	35	45	IA	IA	Nil	Nil
NM5	5/11/2024 22:00	2.9	170	D	No	35	45	<20	<20	Nil	Nil
NM6	6/11/2024 00:00	2.2	162	E	No	35	45	IA	IA	Nil	Nil

Table 3 – December Noise Monitoring

Location	Start date and time	Wind		Stability class	Very enhancing? ¹	Limits, dB ¹		Site levels, dB ²		Exceedances, dB	
		Speed m/s	Direction ³			L _{Aeq,15minute}	L _{Amax}	L _{Aeq,15minute}	L _{Amax}	L _{Aeq,15minute}	L _{Amax}
NM1	19/12/2024 22:32	3.5	142	D	Yes	40	50	<25	<25	Nil	Nil
NM2	19/12/2024 23:30	4.6	133	D	Yes	44	50	<25	27	Nil	Nil
NM3	19/12/2024 23:19	4.4	132	D	Yes	40	50	<25	30	Nil	Nil
NM4	19/12/2024 23:00	2.9	133	D	No	35	45	<25	<25	Nil	Nil
NM5	19/12/2024 22:00	3.4	147	D	Yes	40	50	IA	IA	Nil	Nil
NM6	19/12/2024 23:59	4.2	136	D	Yes	40	50	<25	<25	Nil	Nil

Wind Direction during Attended Monitoring

Wind direction data is collected from the Maule's Creek Coal Mine (MCCM) Automated Weather Station (AWS). Wind data for the duration of the attended monitoring assessment, recorded at the MCCM AWS is presented in the table below.

Table 4 - Prevailing Wind Direction

Monitoring Date	Prevailing Wind Direction
October	SSE
November	S
December	S

Blast Monitoring

There was 31 blasts at MCCM during Q4 2024. All blast monitoring results recorded within the reporting period have complied with applicable overpressure and ground vibration limits specified in the respective approvals.

Table 5 – Blast Results Summary

Parameter	Units	Frequency	Number	Average	Max	100% Limit	Exceedance (Yes / No)
Noise	dB	All	31	94.74	111.5	120	No
Vibration	mm/s		31	0.10	0.43	10	No

Air Quality

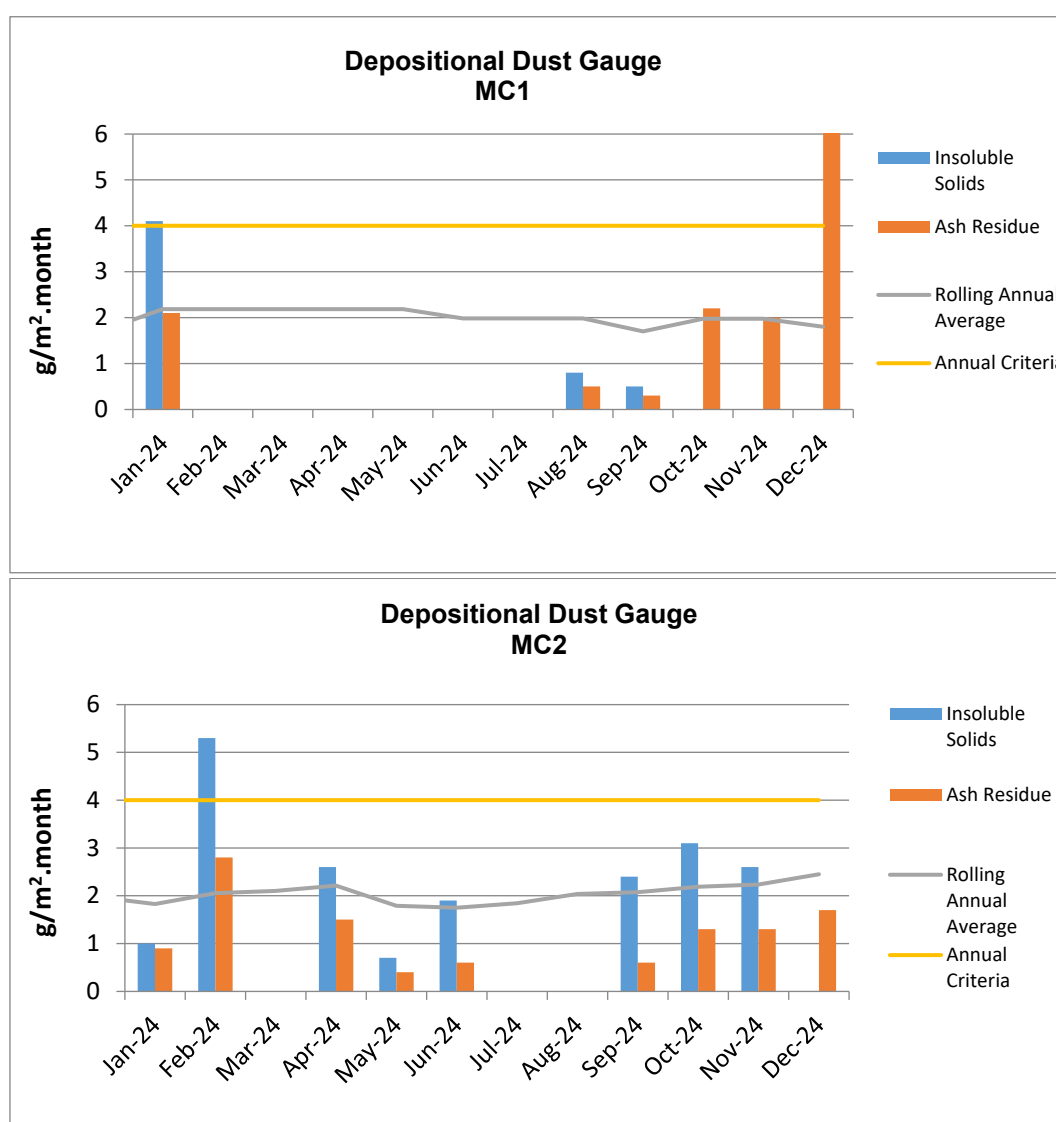
A. Total Depositional Dust

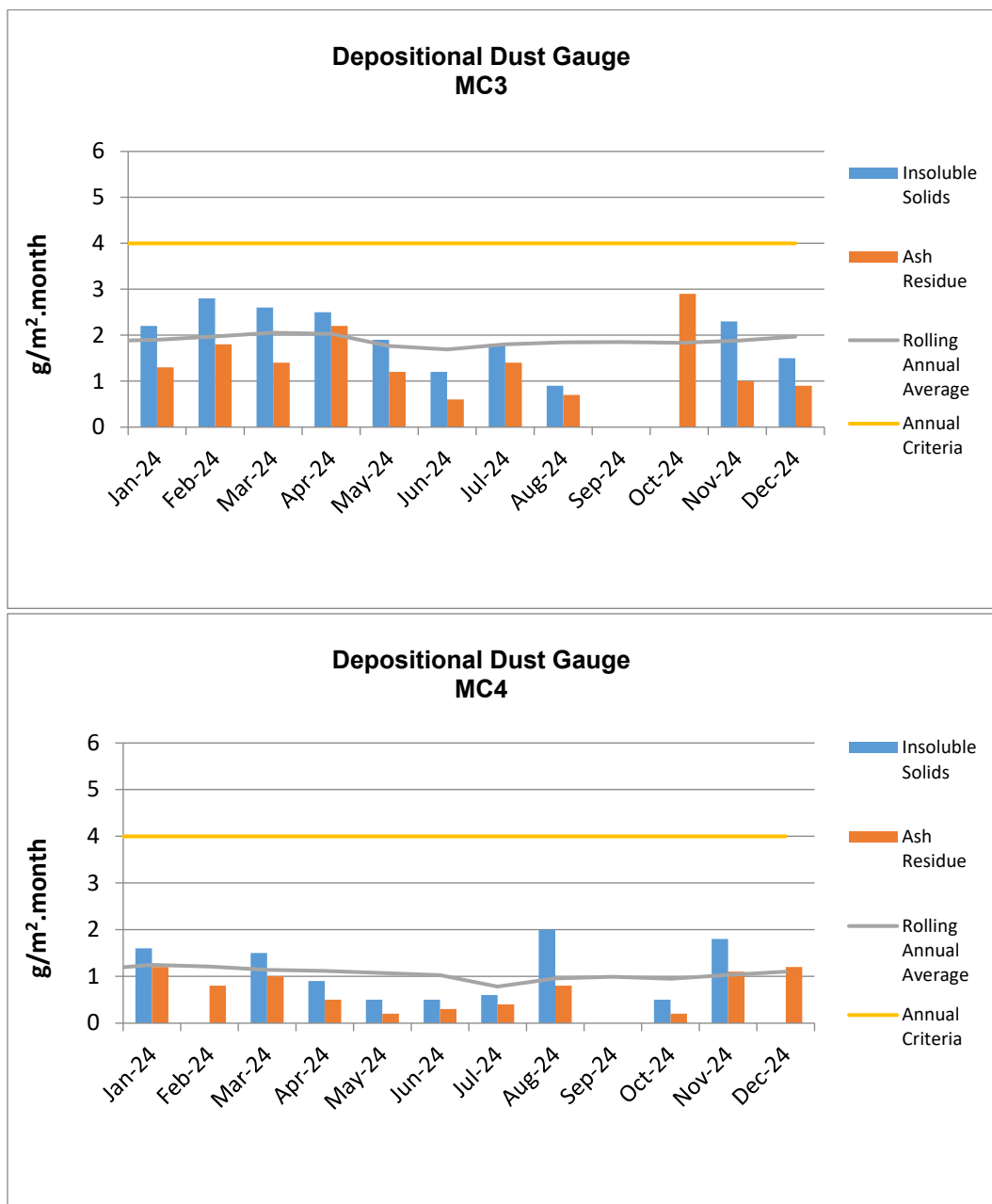
The 12 monthly rolling annual average remains below the relevant Project Approval (PA 10_0138) criteria of 4g/m²/month for the respective monitoring points.

Table 6 – Deposited Dust Gauge Results [g/m²/month]

MONTH	MC1	MC2	MC3	MC4
October	15.9c	3.1	9.0c	0.5
November	11.6c	2.6	2.3	1.8
December	32.4c	8.1c	1.5	15.3c
12 MONTH ROLLING AVERAGE	1.8	2.5	2.0	1.1

^c samples contaminated by bird dropping, decomposed insects or vegetable matter.



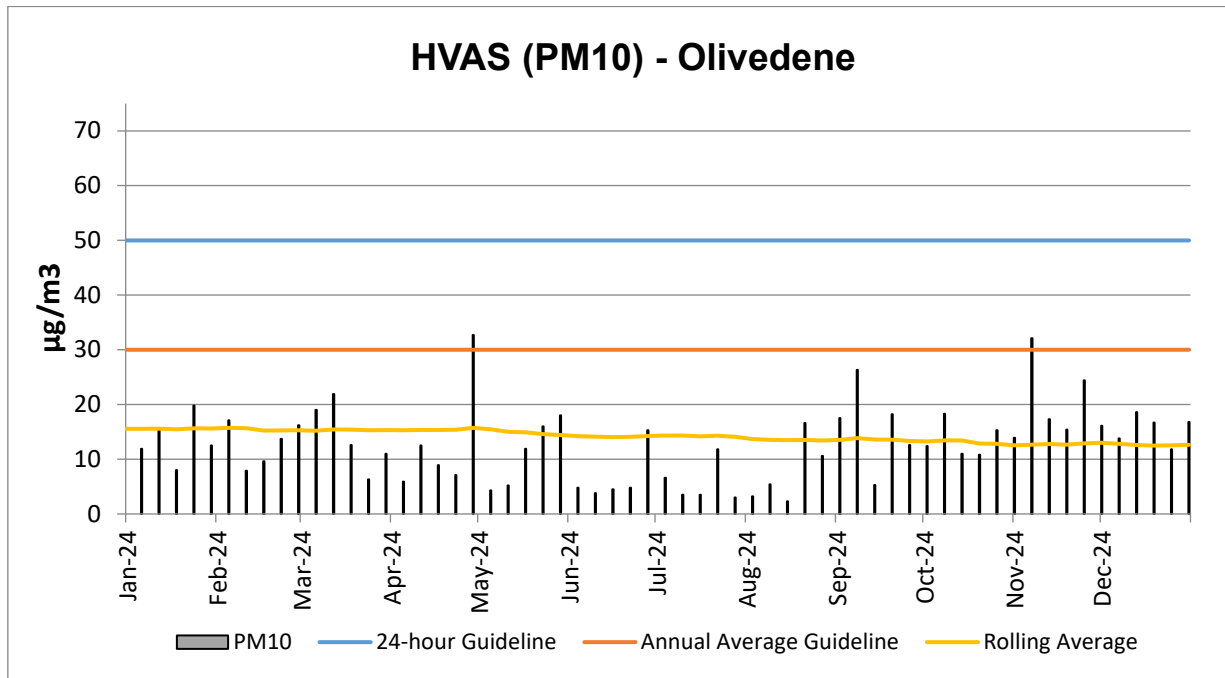


* Blank cells indicate sample periods where the sample has been contaminated and excluded from the results tables due to contaminated material (insect larvae, bird droppings, vegetation etc.).

B. High Volume Air Sampling (HVAS)

The HVAS monitor is located on the property 'Olivedene,' a mine owned property on Therribri Road. During past 12 months, there have been no exceedances of the 24-hour average of 50 $\mu\text{g}/\text{m}^3$.

HVAS PM_{10} Rolling Annual Average as of December was **12.6 $\mu\text{g}/\text{m}^3$** , which is below the Annual Average Guideline of 30 $\mu\text{g}/\text{m}^3$.



C. TEOM - PM10 Results

The annual rolling average for PM10 at the Maules Creek Coal for TEOM1 was **9.3 $\mu\text{g}/\text{m}^3$** and at TEOM3 was **12.5 $\mu\text{g}/\text{m}^3$** these are both below the Project Approval annual average criteria of 30 $\mu\text{g}/\text{m}^3$ as shown in the following figure. There have been no exceedances of the 24-hour average for Q4.

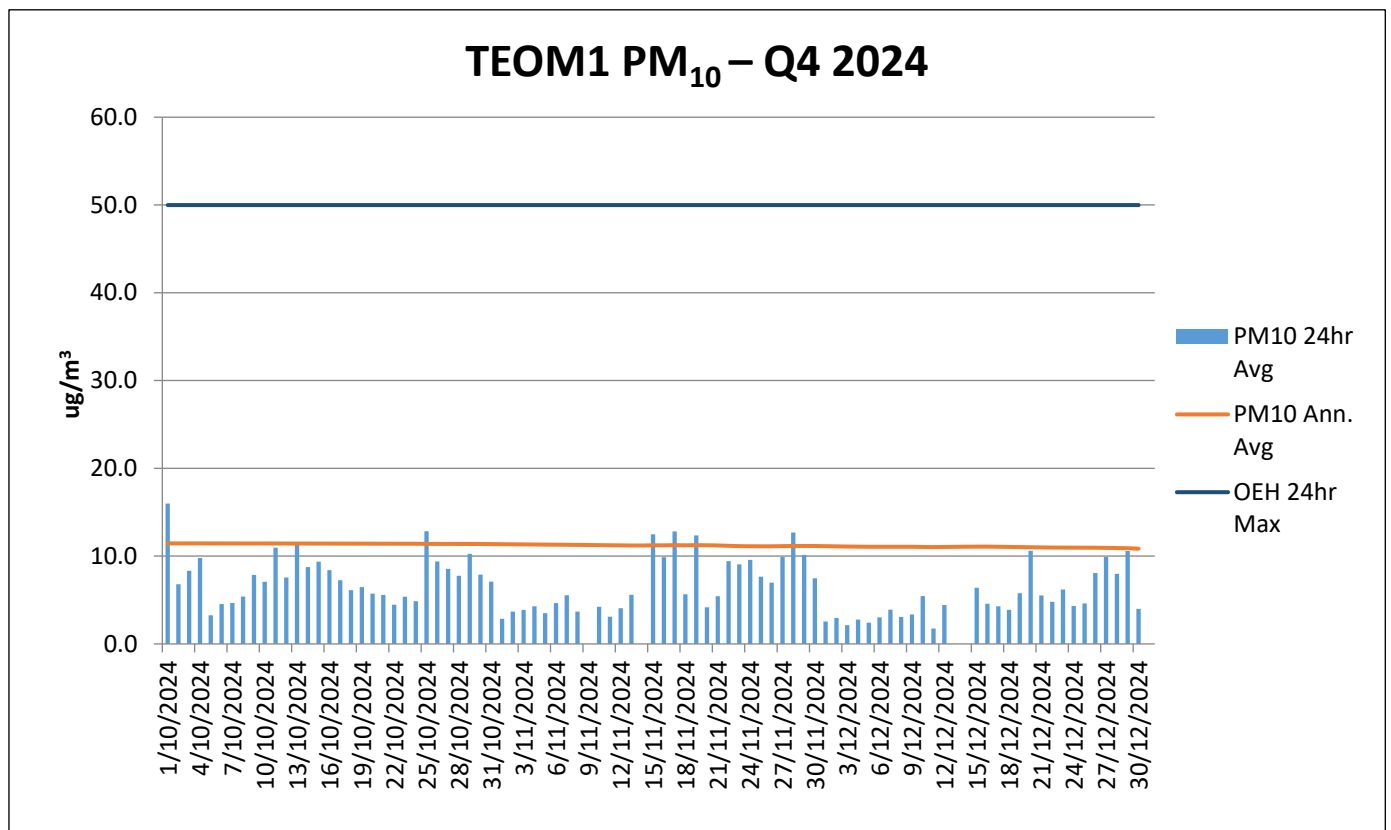


Figure 1 - TEOM Result – Particulate Matter PM₁₀ $\mu\text{g}/\text{m}^3$

* Blank columns indicate sample periods where there was either power outage, maintenance or other related causes.

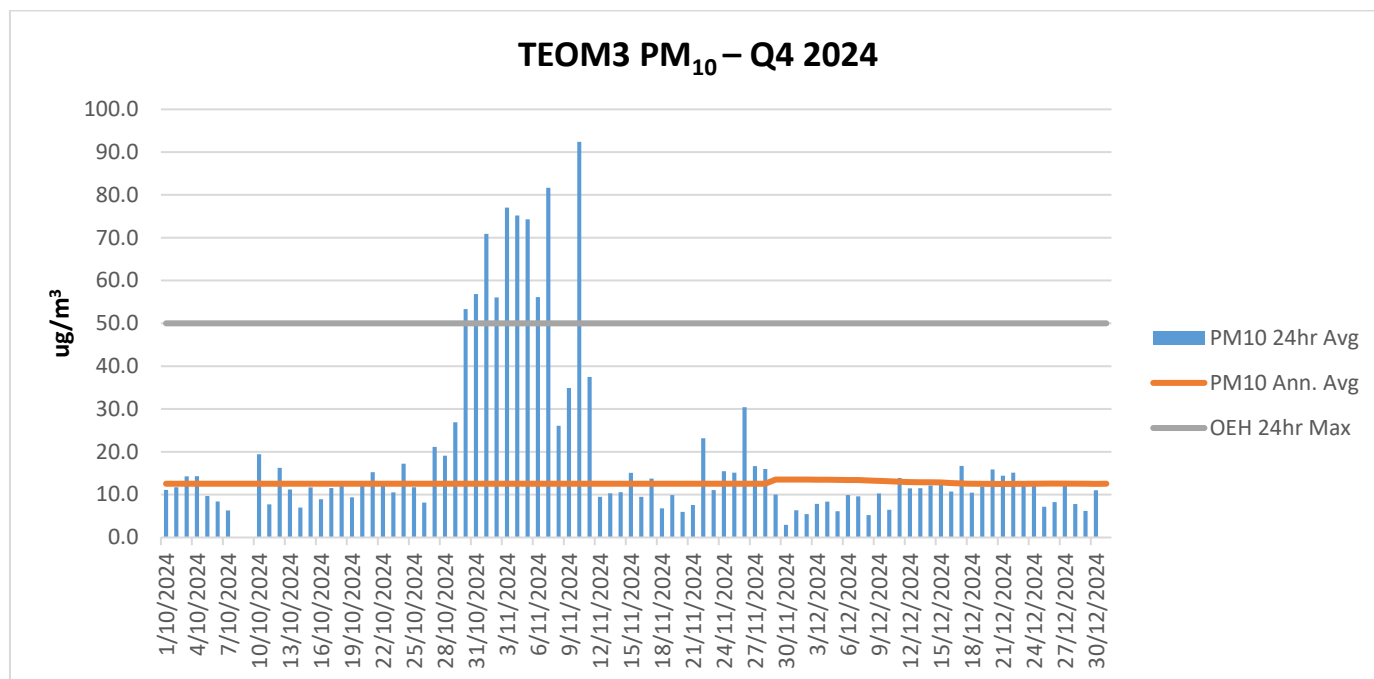


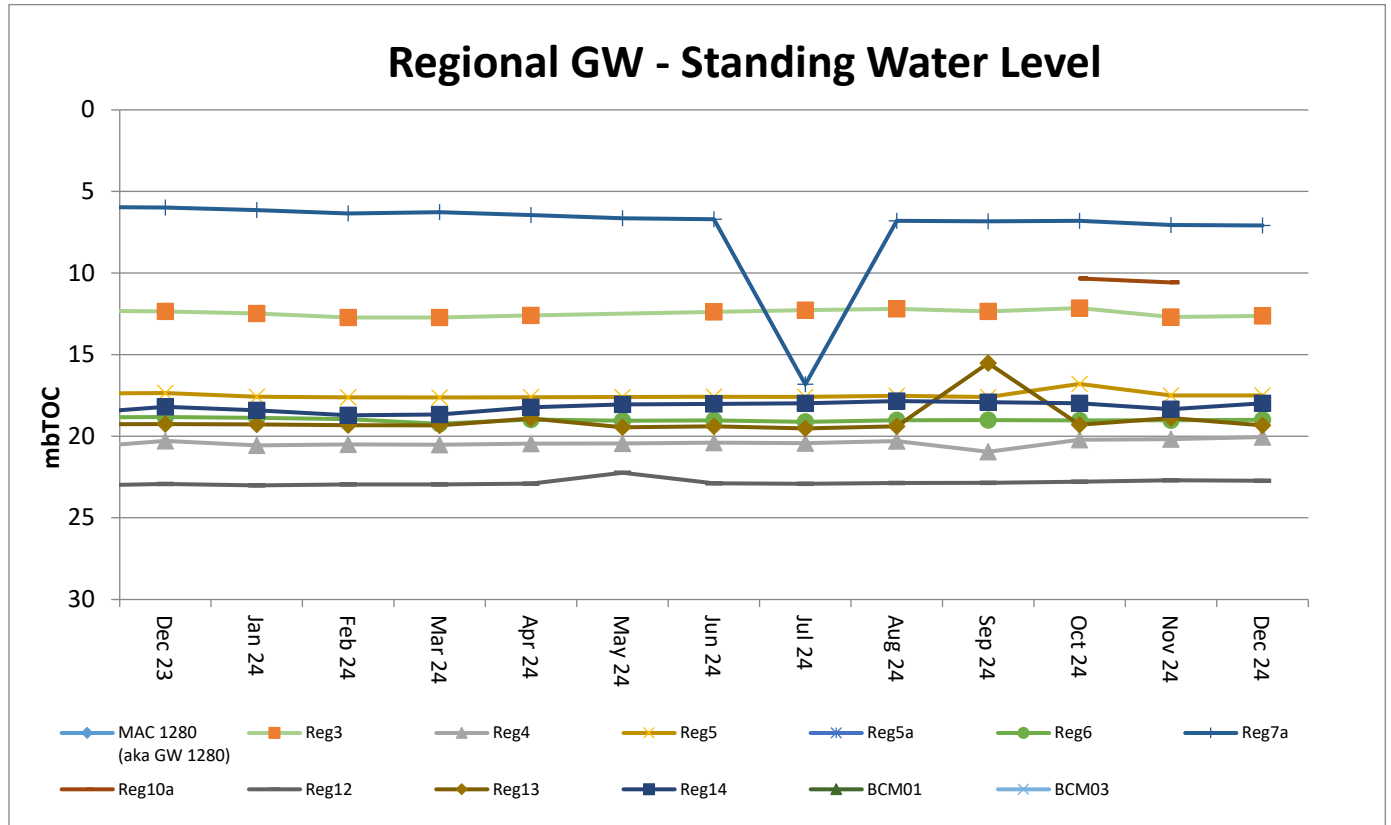
Figure 2 - TEOM Result – Particulate Matter PM₁₀µg/m³

* Blank columns indicate sample periods where there was either power outage, maintenance or other related causes.

Water Monitoring

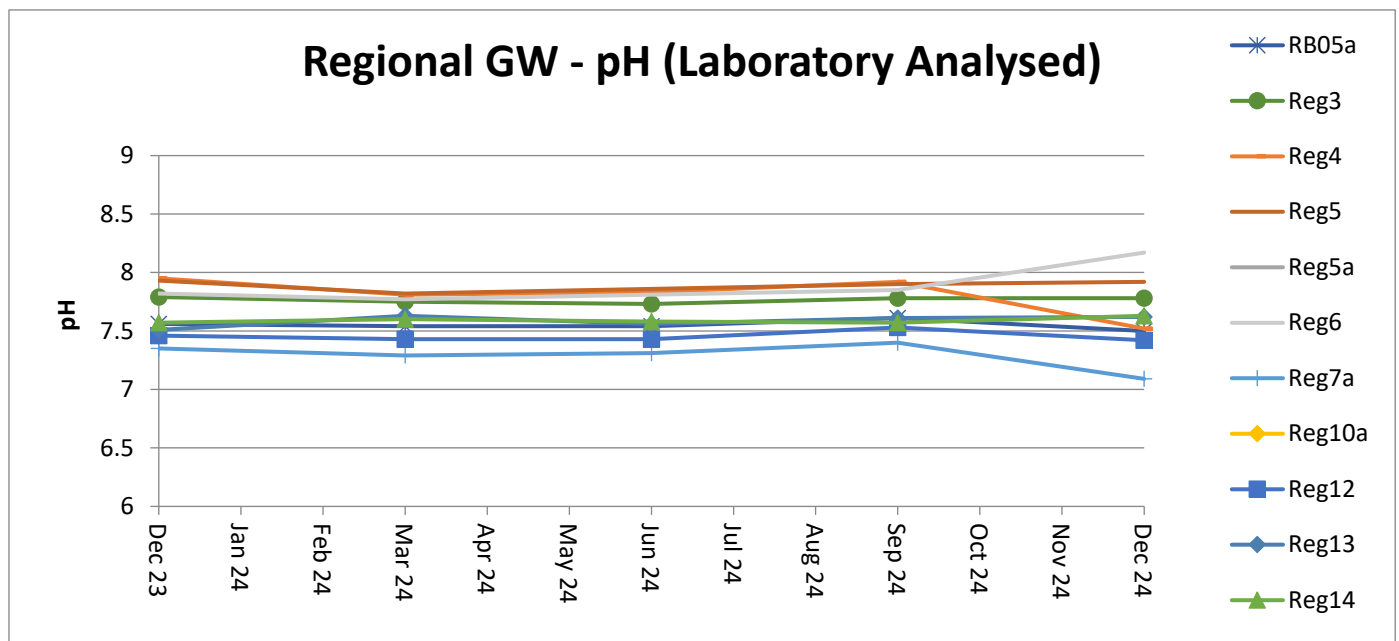
A. Groundwater

Groundwater monitoring results in open standpipe piezometers show levels to be relatively stable. The Regional bores were installed between Q4, 2013 and Q1, 2014. BCM01, BCM03, Reg10 are shallow bores which have remained dry since construction in 2013.



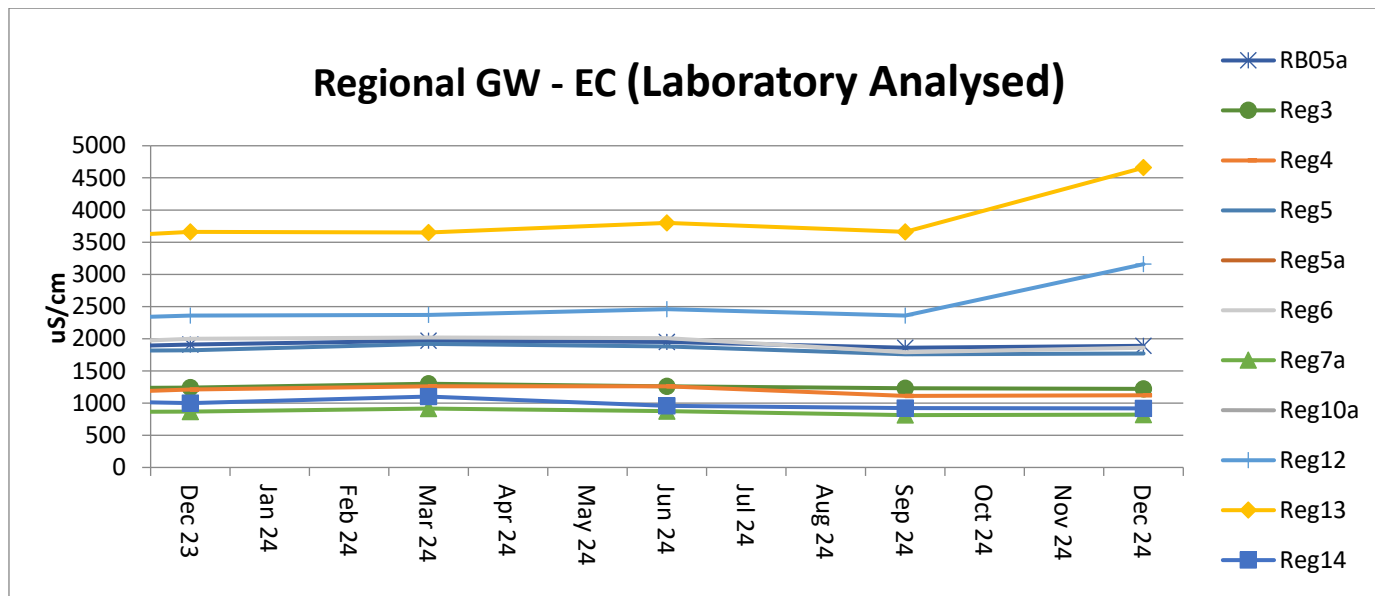
Acidity / Alkalinity (pH)

Over the past twelve months pH readings across the regional bores have remained static with very little fluctuation.



Electrical Conductivity

Laboratory Electrical Conductivity (EC) levels are all within historic groundwater EC range of 500_{µS/cm} to 2,500_{µS/cm}, with the exception of monitoring bore Reg13 which has a historic groundwater EC range of 2,500_{µS/cm} to 4,100_{µS/cm}. Within the last twelve months EC has remained static.

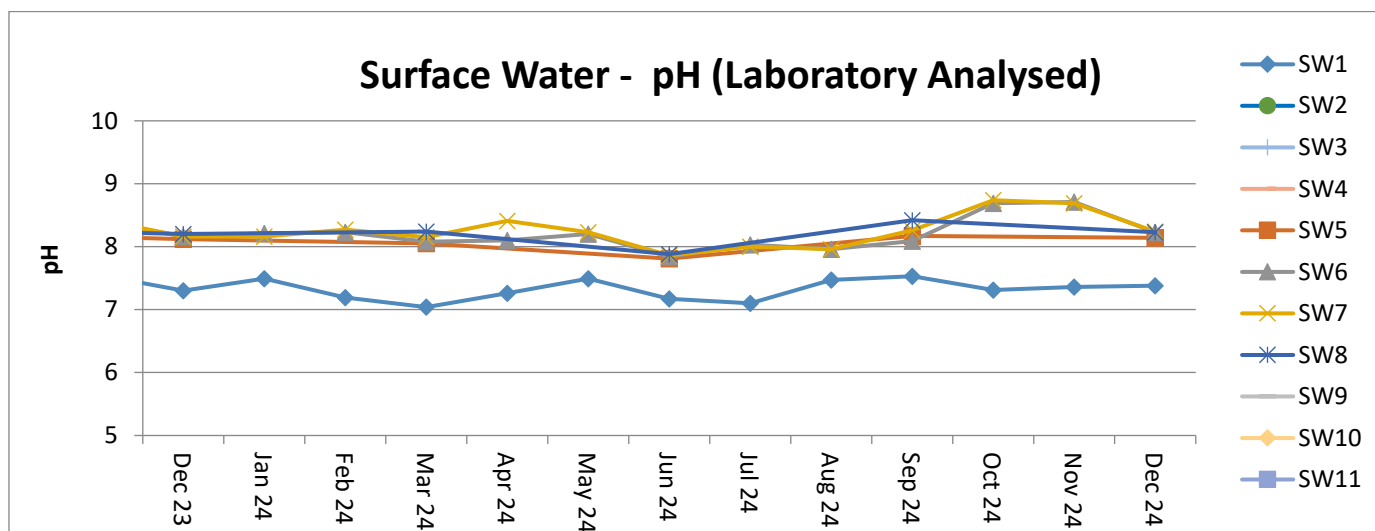


B. Surface Water – Creeks and Rivers

Routine surface water monitoring is conducted in surrounding creeks and rivers on a monthly basis. Results for parameters including pH, EC and Total Suspended Solids (TSS) are shown in the figures below.

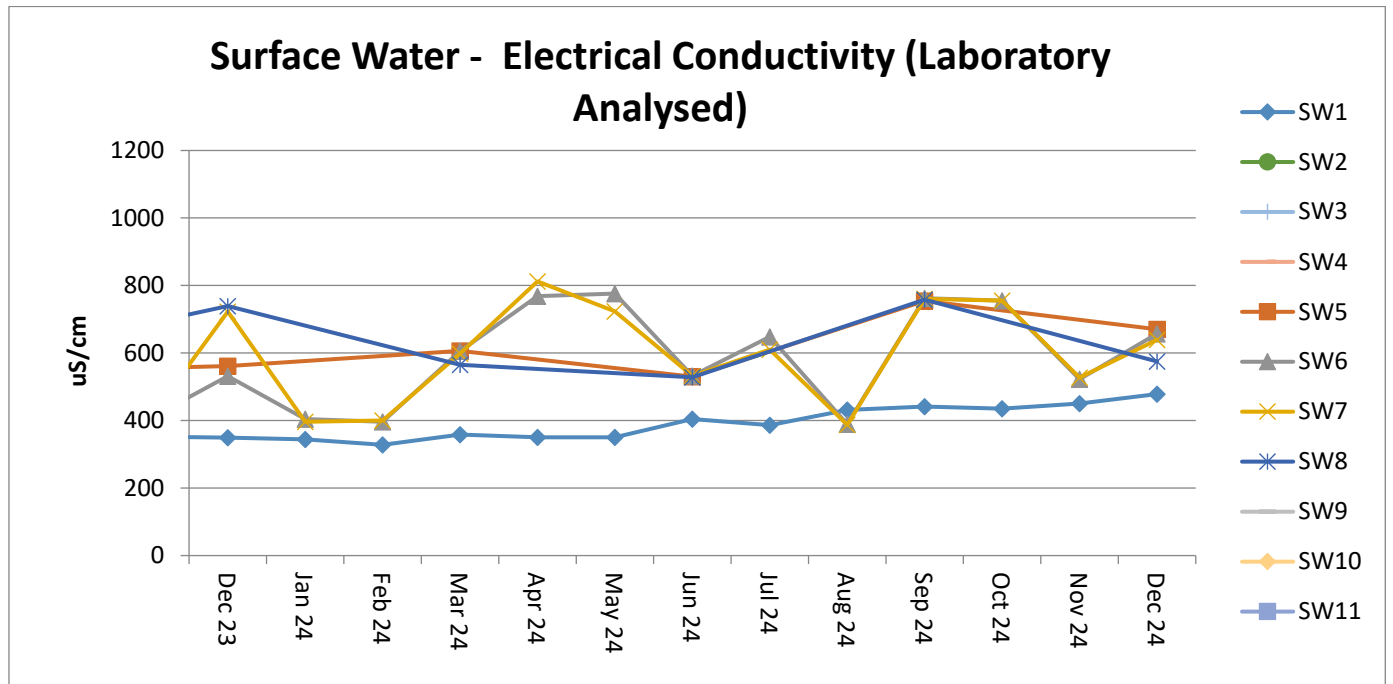
Acidity / Alkalinity (pH)

Monitoring results for pH in creeks and rivers surrounding MCCM are all trending within the ANZECC range for Irrigation, Ecosystem Health and Recreation.



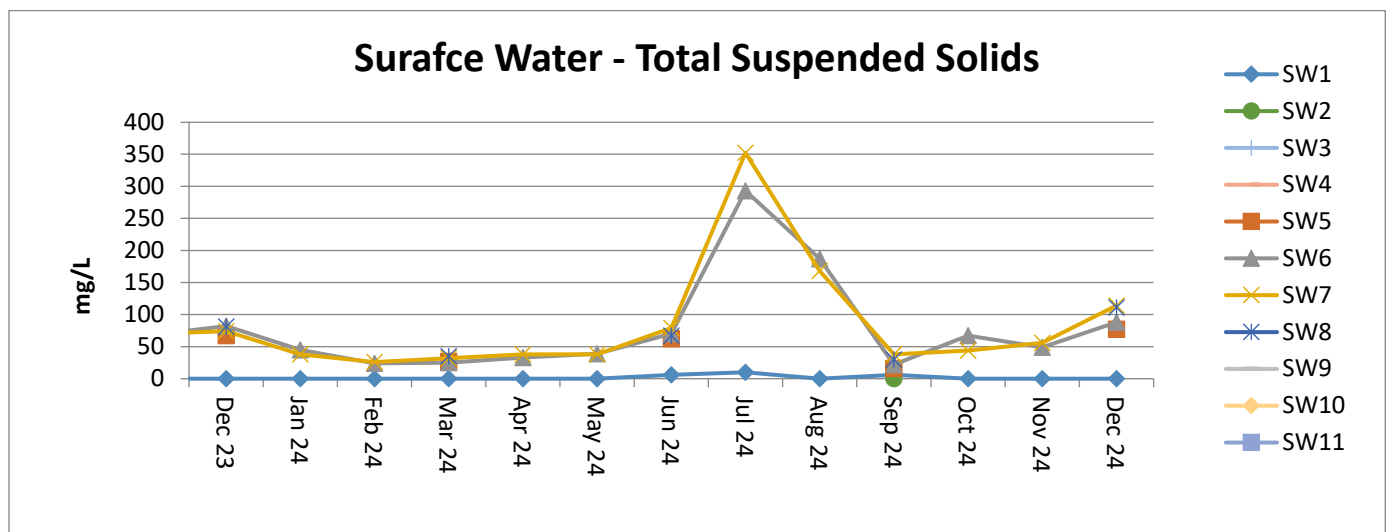
Electrical Conductivity

Surface water EC trends have remained consistent with SW5, SW6, SW7 and SW8 all historically variable. SW5, SW6, SW7 and SW8 are points along the Namoi River which are subject to regulated and variable flow regimes.



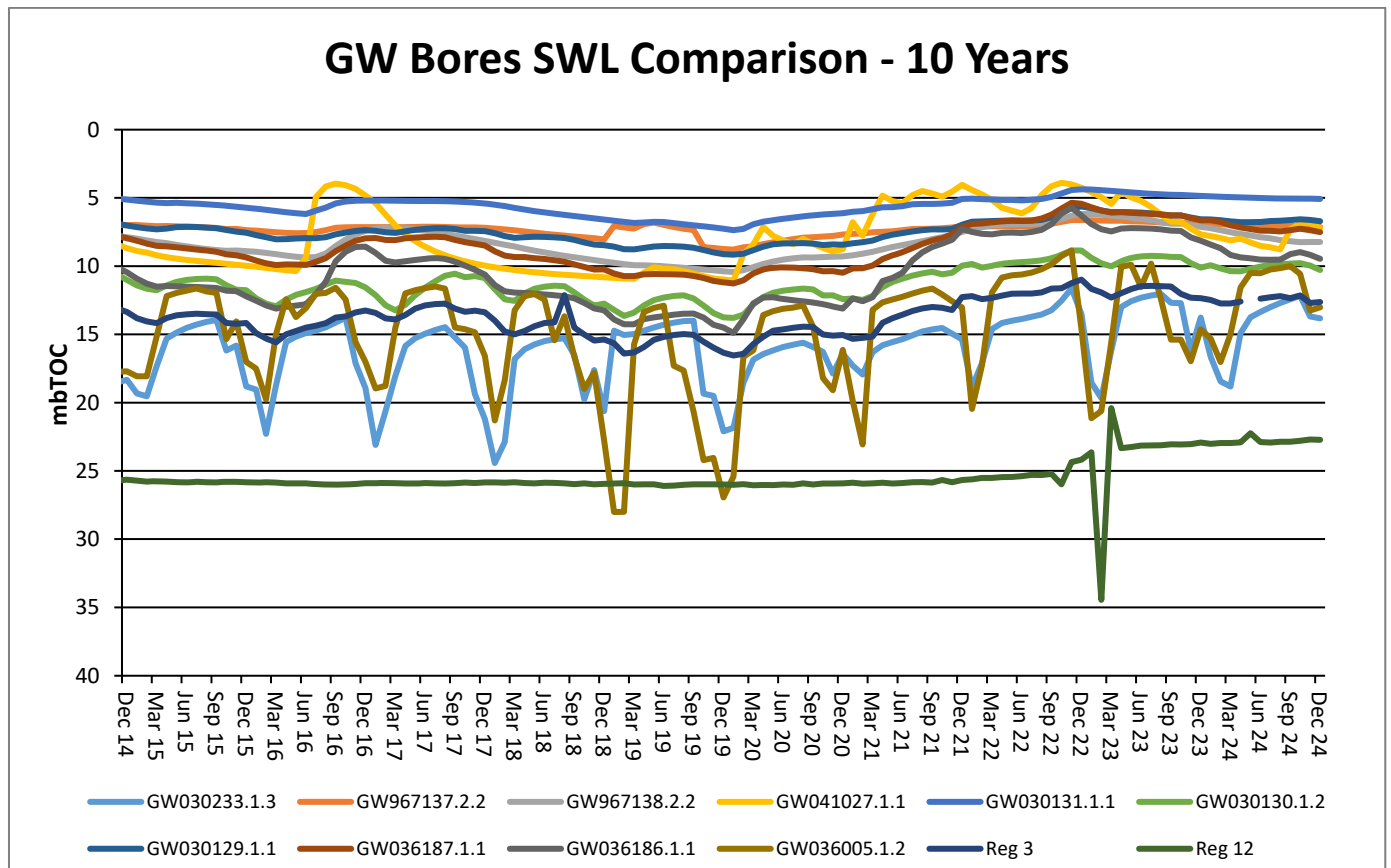
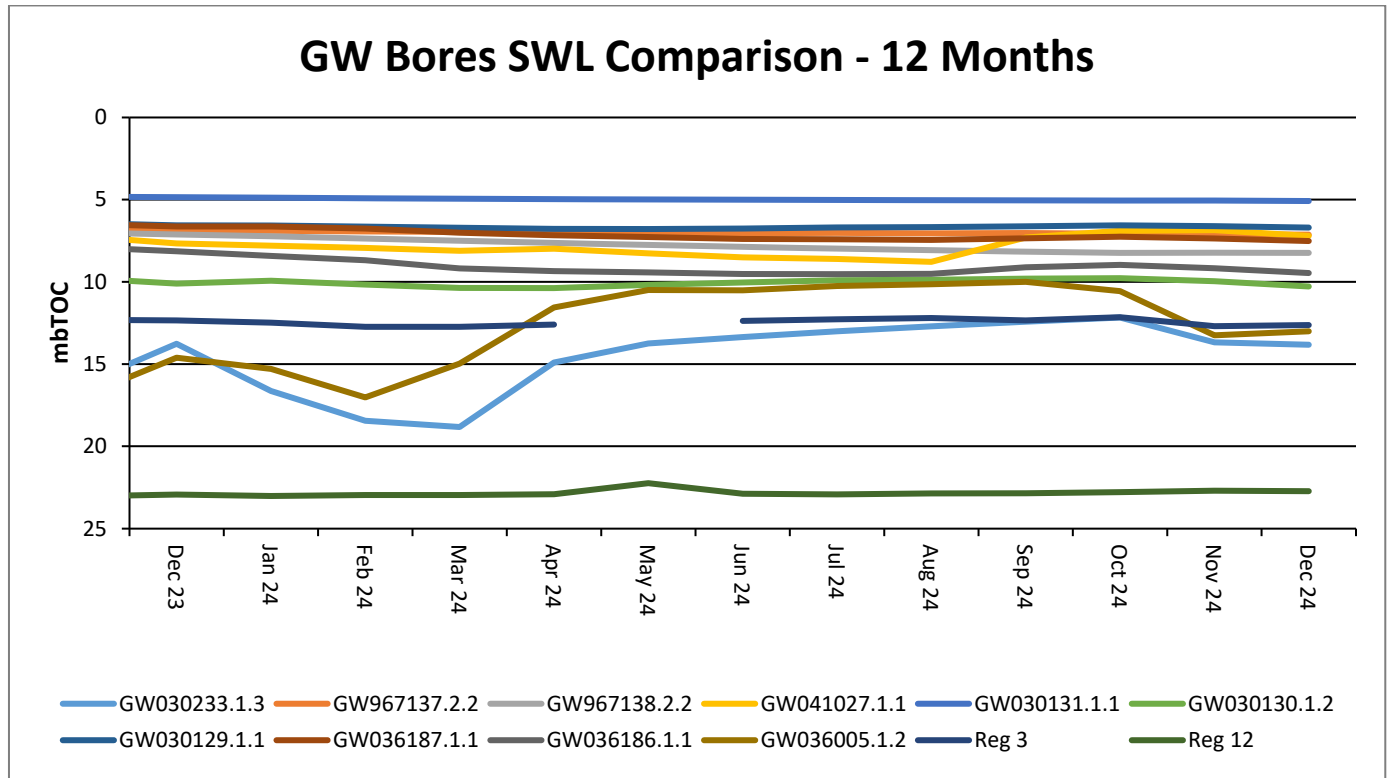
Total Suspended Solids (TSS)

Surface water TSS trends have remained generally consistent with historical results. SW5, SW6, SW7 and SW8 are historically variable as they are located along the Namoi River which is subject to regulated and variable flow regimes.



Regional Groundwater monitoring

Maules Creek Coal Mine monitors regional bores across the region.



Rehabilitation

Progressive rehabilitation works are ongoing. MCC is on track to complete CY24 rehabilitation in accordance with the Forward Plan.

Feral Animal Management

Most recent routine Whitehaven Biodiversity Feral Animal Control program (October to December 2024) results were:

- 1,887 out of total 2,535 feral pigs removed were from the Maules Biodiversity properties;
- 56 out of the total 111 feral goats removed were from the Maules Biodiversity properties;
- 88 out of total 182 Canid Pest Ejectors (1080) triggered were from the Maules Biodiversity properties.

Weed Control

During October to December 2024 the following weed control was undertaken via spot spraying/jetting on the Maules Biodiversity Properties:

- 86ha of Broadleaf weeds such as Pattersons Curse, Turnip, Cobblers Peg, Saffron Thistle, Cockspurr and St Johns Wort were sprayed.
- 16ha of Woody Weeds such as Sweet Briar, Blackberry, Prickly Pear and Tiger Pear were sprayed.
- 22ha of Grasses such as African Lovegrass, Rhodes grass and Coolatai grass were sprayed.
- 294ha of tracks sprayed as part of the track maintenance.

2024 Spring Flora Monitoring

2024 Spring Flora Monitoring was completed across the Maules Biodiversity Properties between September – October 2024. A total of 420 native species were detected across 115 monitoring plots completed during the survey period.

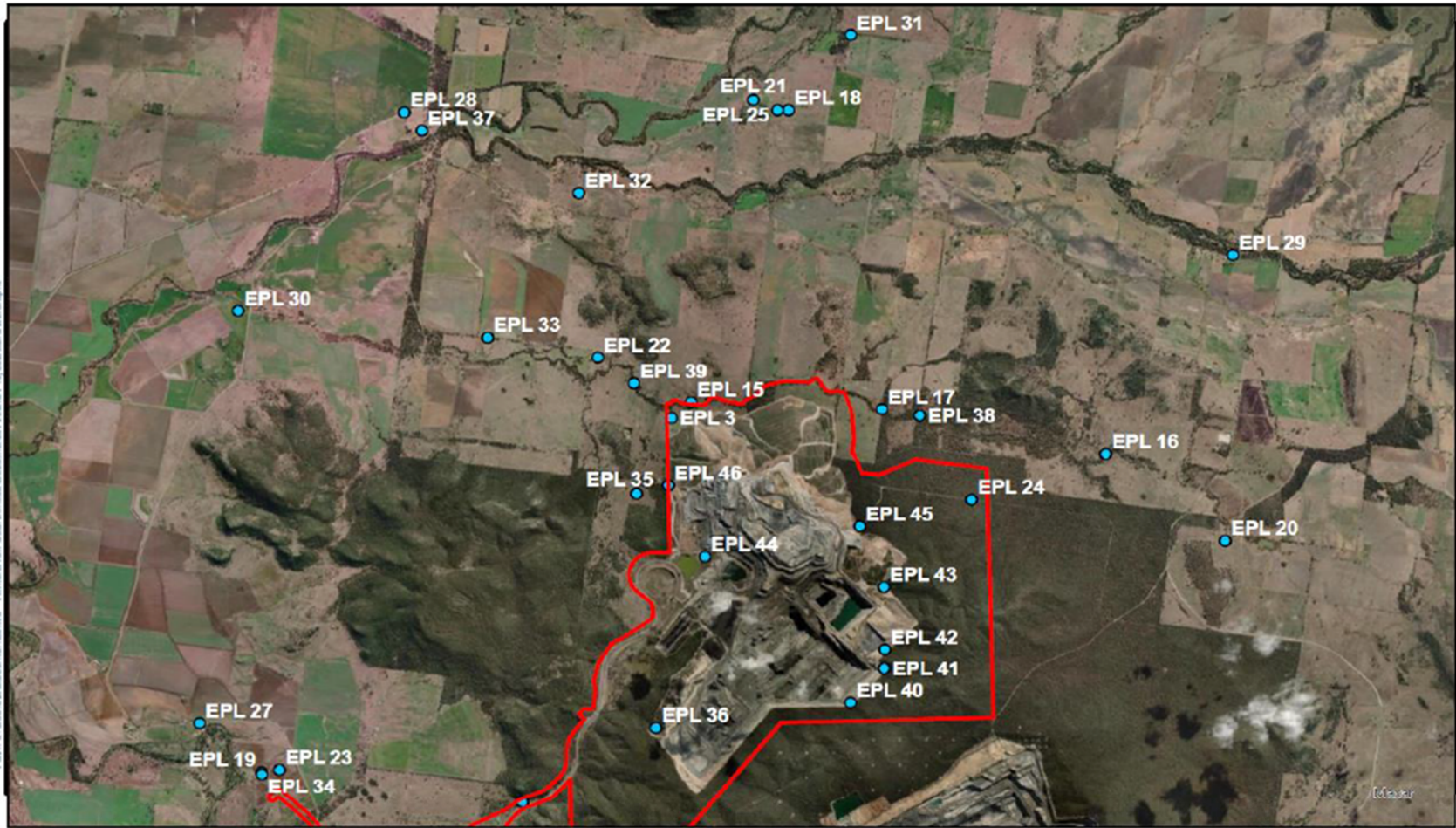
Upcoming Biodiversity Projects and Works

- Continue Pest Animal Management Program January to March 2025.
- Commence 2025 revegetation program and continue 2024 Tree Watering Program.
- Continue Seasonal Weed Control Programs.
- Continue Fire Break Track Maintenance Program.
- Continue other Annual Fauna Monitoring Program.
- Prepare for upcoming 2025 Ecological Burn Program.

Community Complaints

No complaints were received during the quarter. All community complaints are available on the company website at

<https://whitehavencoal.com.au/our-business/our-assets/maules-creek-mine/>.



EPL 20221 Monitoring Locations - 16/05/2024

-  EPL Monitoring Locations
-  MCCM Project Boundary MOD 9

Scale: 1:33,944,657,333
Author: EGleason
Date Printed: 26/03/2021
Spatial Reference
Name: WGS 1984 Web Mercator Auxiliary
Sphere

Maules Creek Coal



Disclaimer: Map for reference only and subject to survey. MCC makes no guarantee of the accuracy of this map and data within. MCC shall have no liability for any decisions made or actions taken based upon this map.

Maules Creek Coal Mine

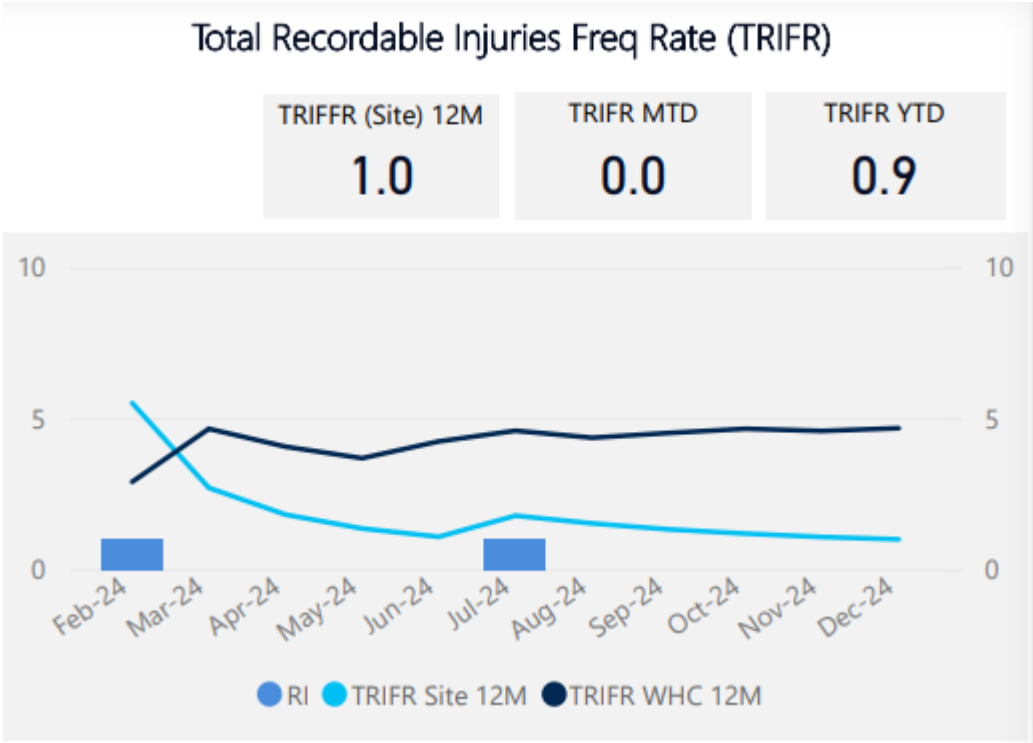
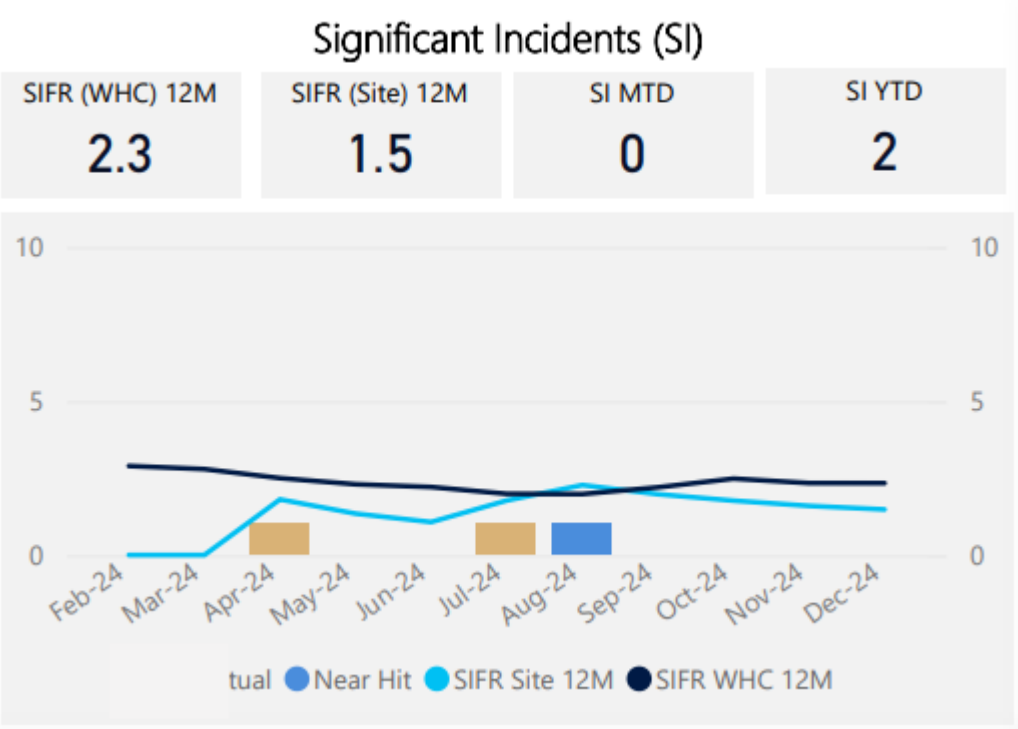
CCC MEETING
Q4 2024

Maules Creek Coal Mine
February 2025



MCC Health and Safety Performance

- Total Recordable Injury Frequency Rate (TRIFR) 1.00
- Potential Level 4+ Hazards = 305 FY25
- Critical controls verified 100%



Environmental Monitoring

**Summarised for Q4.
Full detail in the Monitoring Report
supplied**

Maules Creek Coal Mine
February 2025



Environmental Monitoring

Q4 2024 - Air Quality Monitoring

Maules Creek Coal Mine
February 2025



WHITEHAVEN COAL

Depositional Dust

The annual reporting period (12 monthly rolling annual average) remained below the relevant Project Approval (PA 10_0138) criteria of 4g/m²/month for the respective monitoring points.

MONTH	MC1	MC2	MC3	MC4
October	15.9c	3.1	9.0c	0.5
November	11.6c	2.6	2.3	1.8
December	32.4c	8.1c	1.5	15.3c
12 MONTH ROLLING AVERAGE	1.8	2.5	2.0	1.1

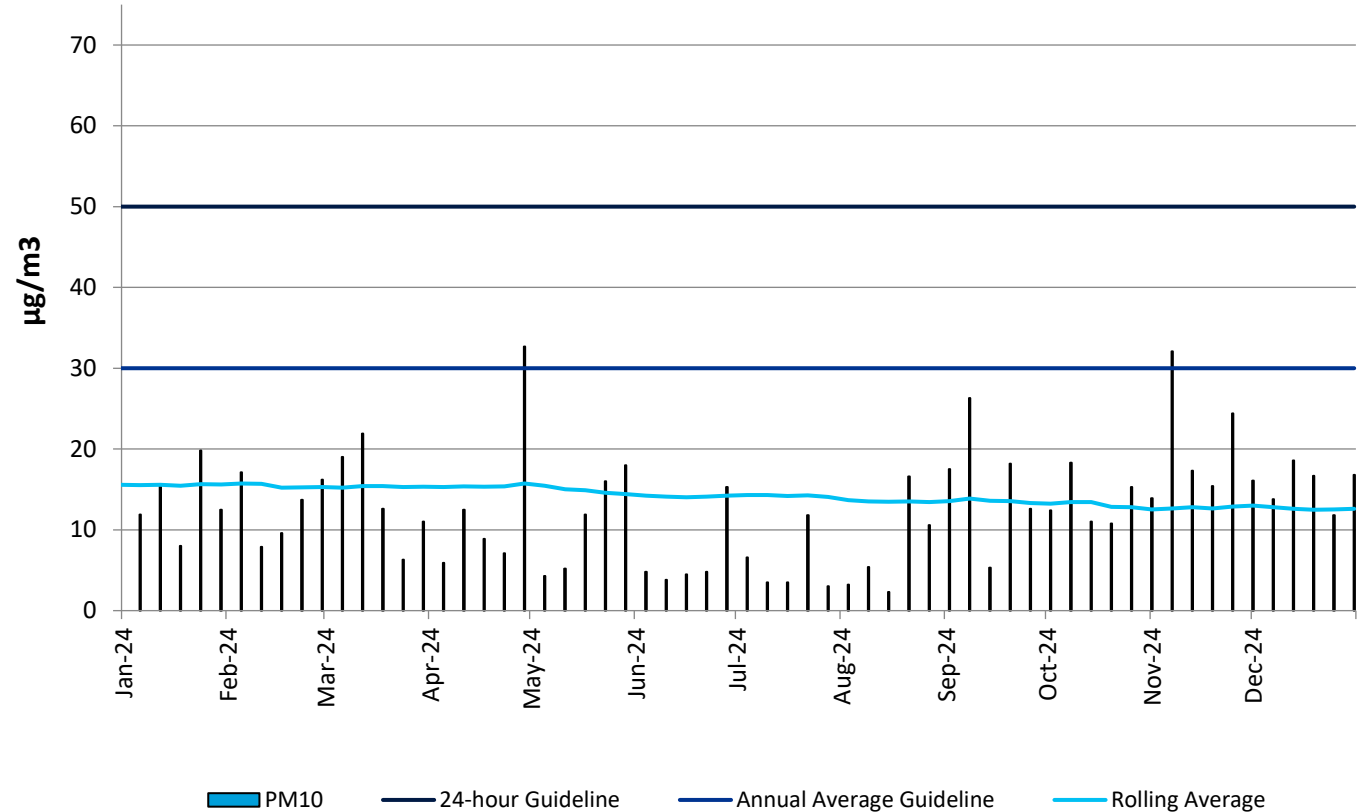
^c samples contaminated by bird dropping, decomposed insects or vegetable matter.

HVAS

High Volume Air Sampler

- The HVAS monitor is located on 'Olivedene'
- Data is publically available
- No exceedances recorded during the 24-hour average of $50 \mu\text{g}/\text{m}^3$
- The Rolling Annual Average was recorded at **$12.6 \mu\text{g}/\text{m}^3$** , which is below the Annual Average Guideline of $30 \mu\text{g}/\text{m}^3$.

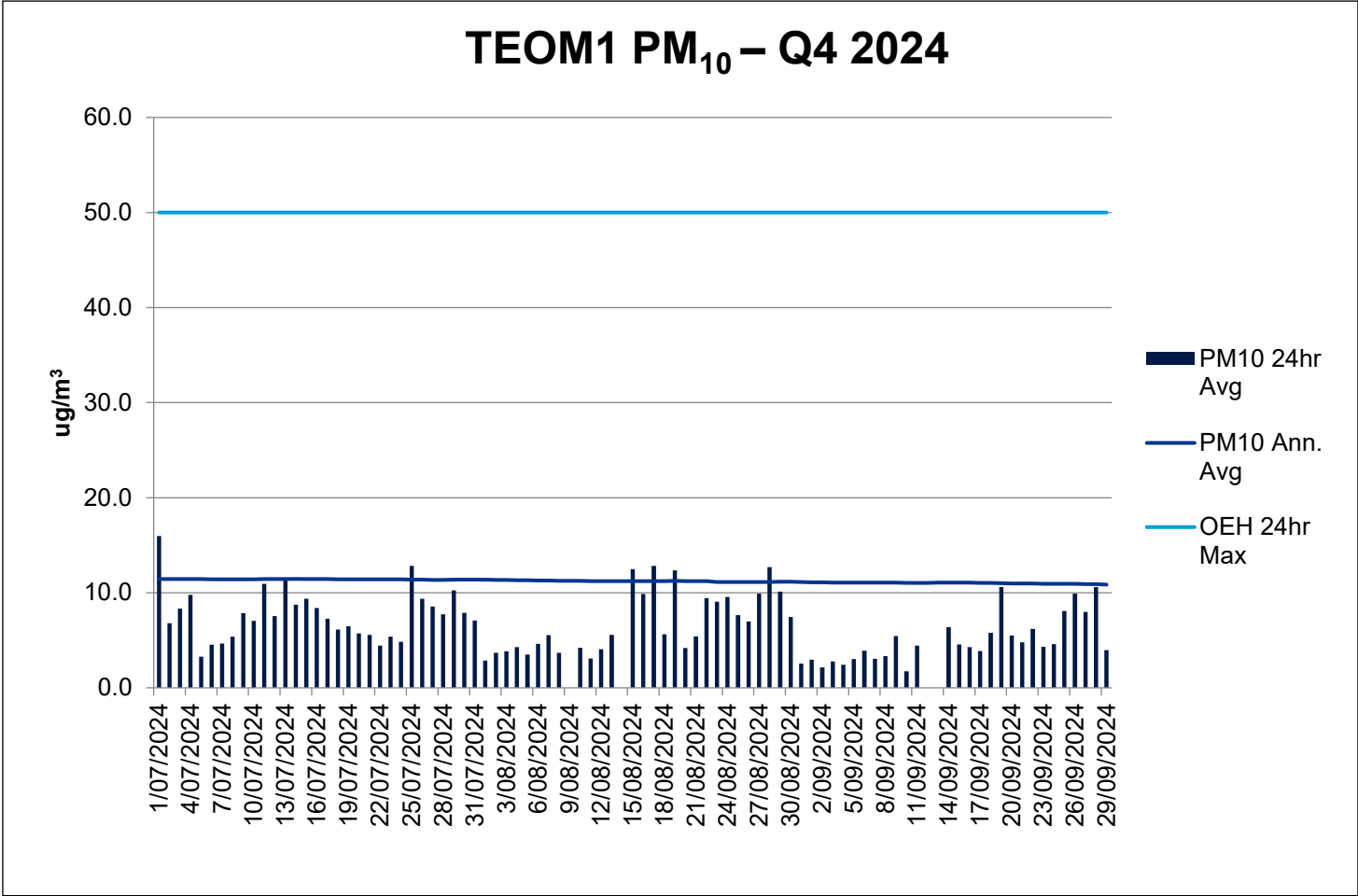
HVAS (PM10) - Olivedene



TEOM (PM10)

Tapered element oscillating microbalance

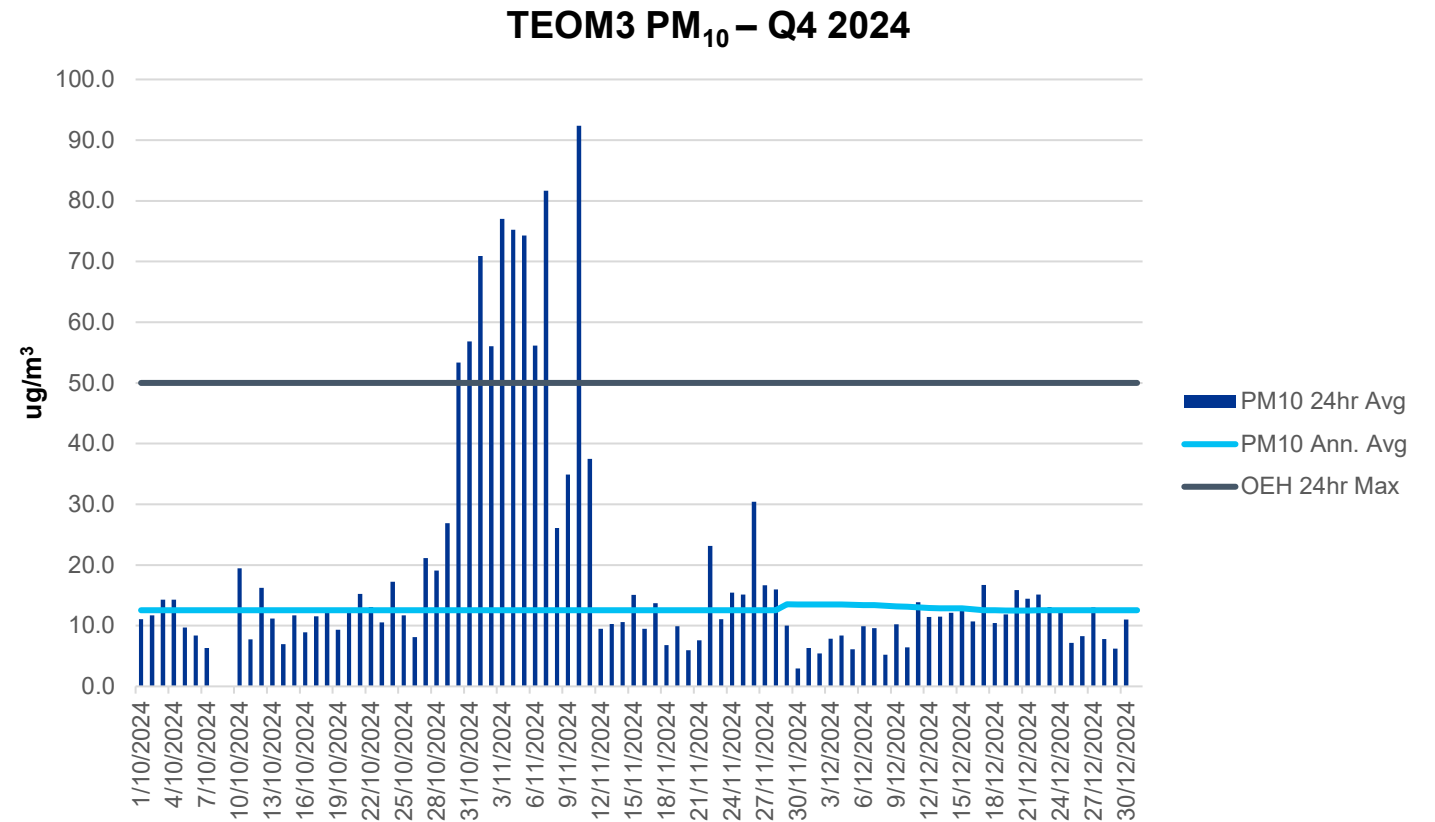
- Publicly available results of TEOM1 available on the EPA website.
- Annual rolling average for TEOM 1 was 9.3 $\mu\text{g}/\text{m}^3$ on the 31st of December 2024 (criteria 30 $\mu\text{g}/\text{m}^3$).



TEOM3 (PM10)

Tapered element oscillating microbalance

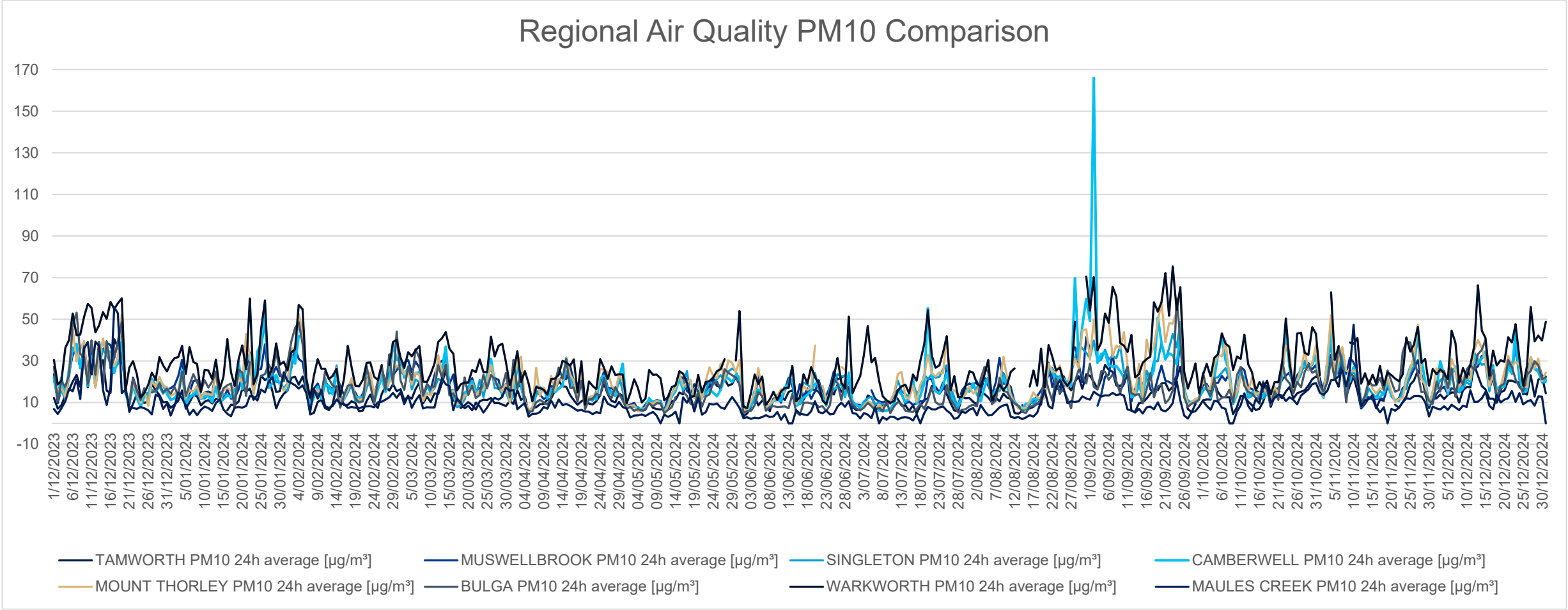
- Annual rolling average for TEOM 3 was 12.5 $\mu\text{g}/\text{m}^3$ on the 31st of December 2024 (criteria 30 $\mu\text{g}/\text{m}^3$).



Air Quality Monitoring Rolling 12 Months

Annual Reporting Data 1 December 2023 – 31 December 2024

Regional Air Quality PM10 Comparison



12 monthly	TAMWORTH PM10	MUSWELLBROOK PM10	SINGLETON PM10	CAMBERWELL PM10	MOUNT THORLEY PM10	BULGA PM10	WARKWORTH PM10	MAULES CREEK PM10
Annual Average	17.74757396	19.02268041	18.91822785	19.70537084	21.28955614	17.61068702	28.76139896	9.957736315
Max 24hr Ave	40.4	59.4	50.6	166	63.3	59.9	75.4	55.74

Environmental Monitoring

Q4 2024 - Groundwater

Maules Creek Coal Mine
February 2025

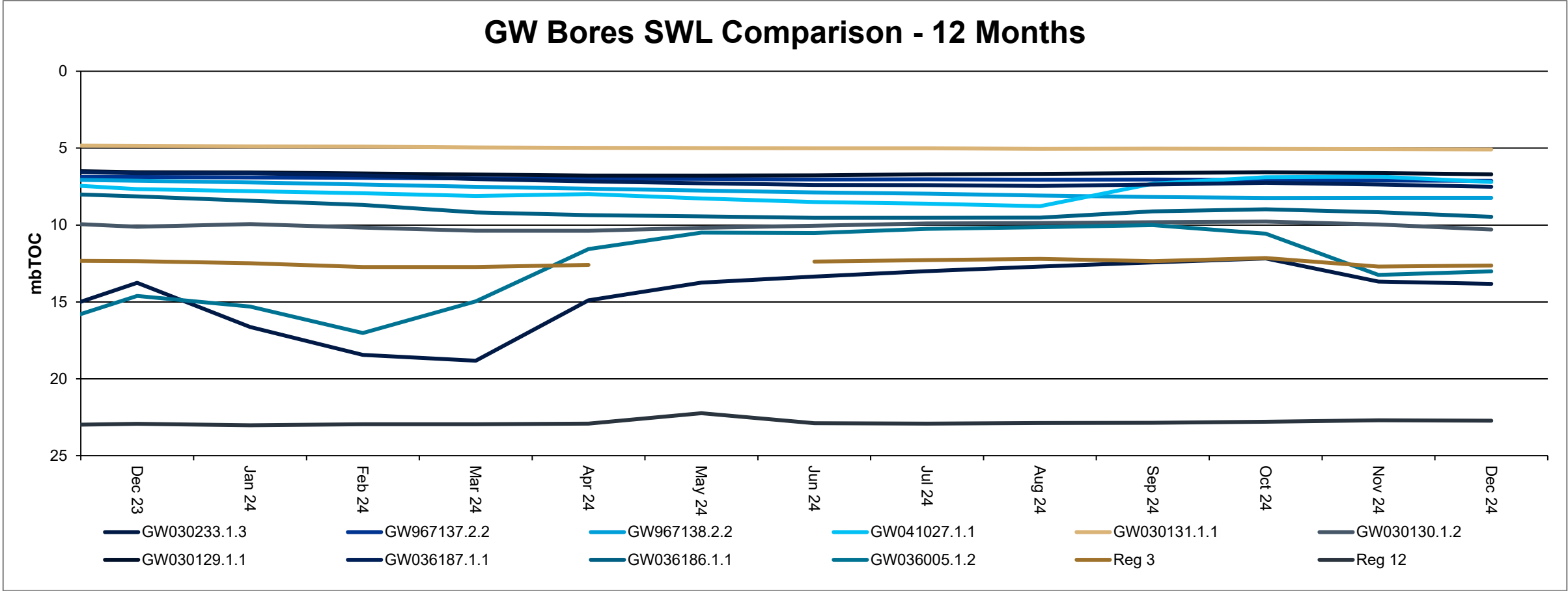


Monitoring Locations



Groundwater Levels

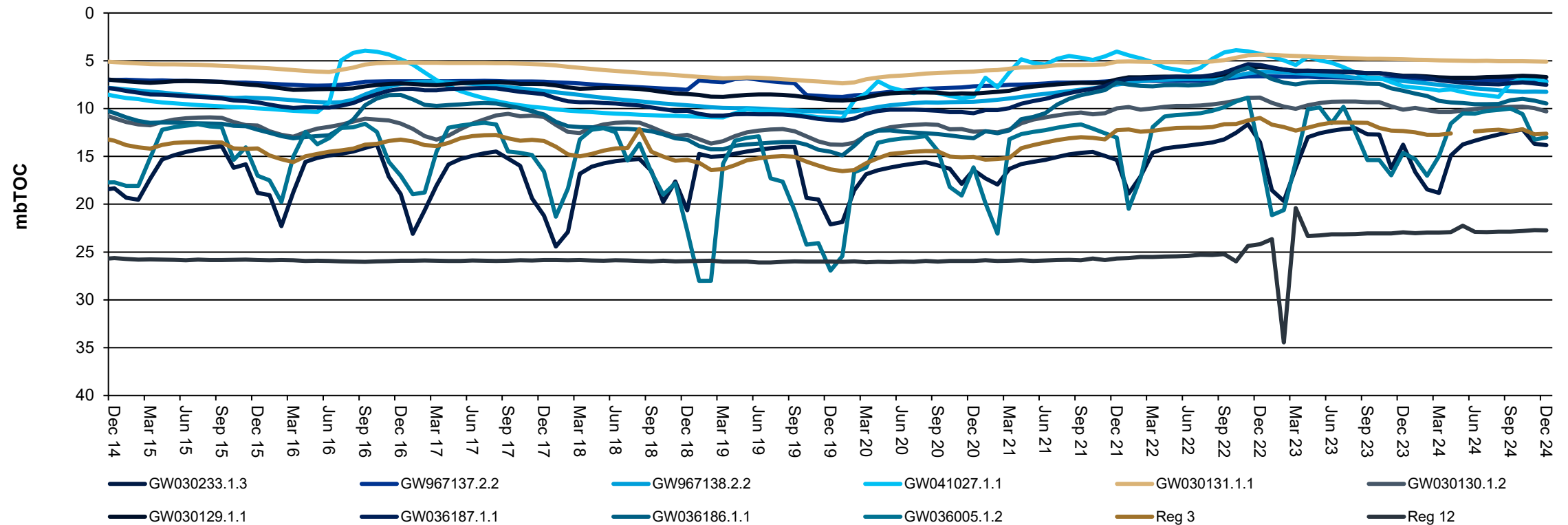
GW Bores SWL Comparison - 12 Months



* Note Reg12 and Reg3 both within Boggabri Volcanics
Source: NSW DPI- Water & MCCM monitoring data

Groundwater Levels

GW Bores SWL Comparison - 10 Years

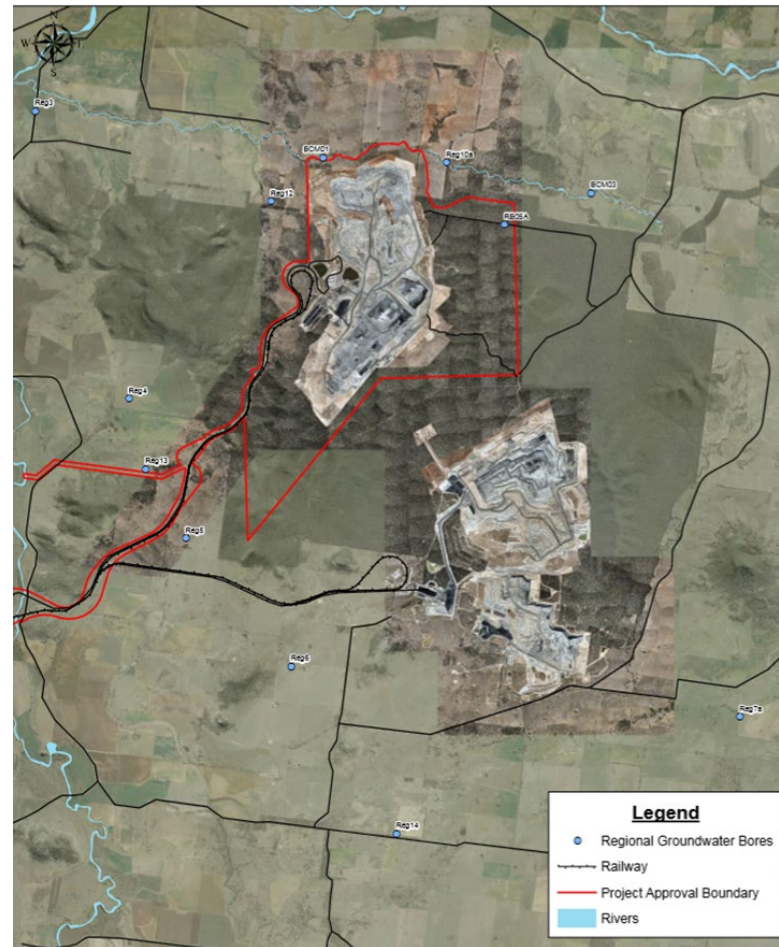


Source: NSW DPI- Water & MCCM monitoring data

* Note Reg12 and Reg3 both within Boggabri Volcanics

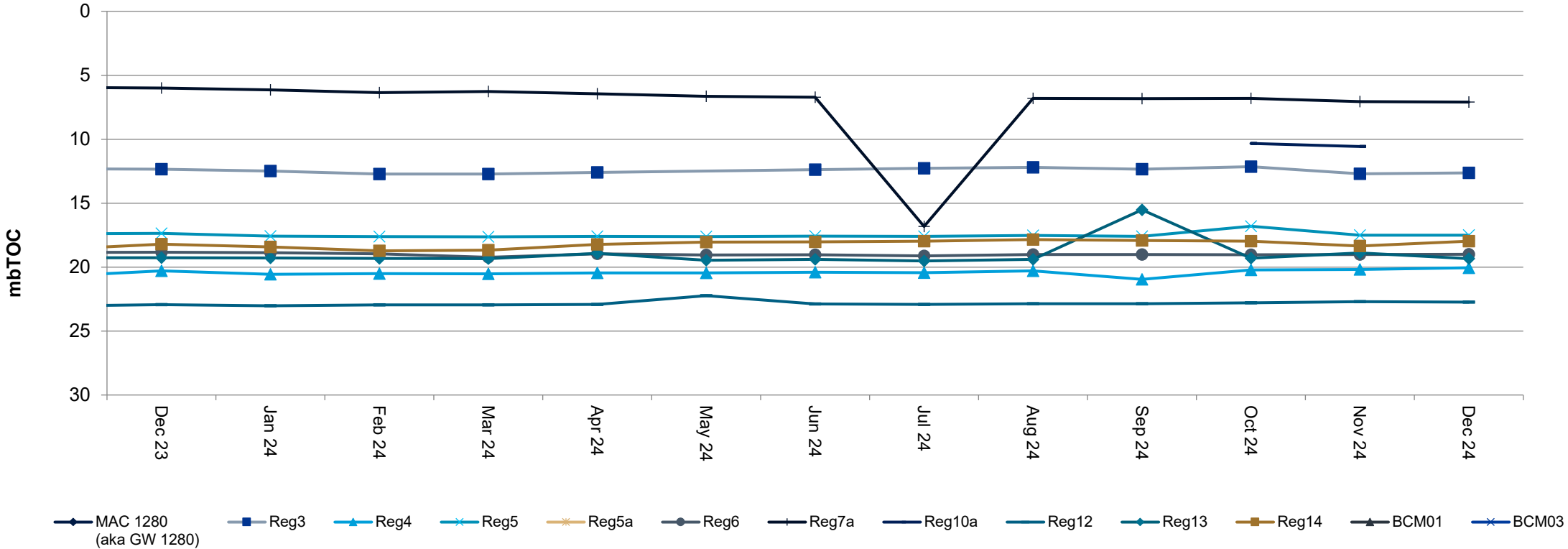
Standing Water Levels

Regional Groundwater Bores



Standing Water Levels

Regional GW - Standing Water Level Q4 2023-2024



Environmental Monitoring

Q4 2024 - Biodiversity

Maules Creek Coal Mine
February 2025

Biodiversity Management

Feral Animal Management

Most recent routine Whitehaven Biodiversity Feral Animal Control program (October to December 2024) results were:

- 1,887 out of total 2,535 feral pigs removed were from the Maules Biodiversity properties;
- 56 out of the total 111 feral goats removed were from the Maules Biodiversity properties;
- 88 out of total 182 Canid Pest Ejectors (1080) triggered were from the Maules Biodiversity properties.

Weed Control

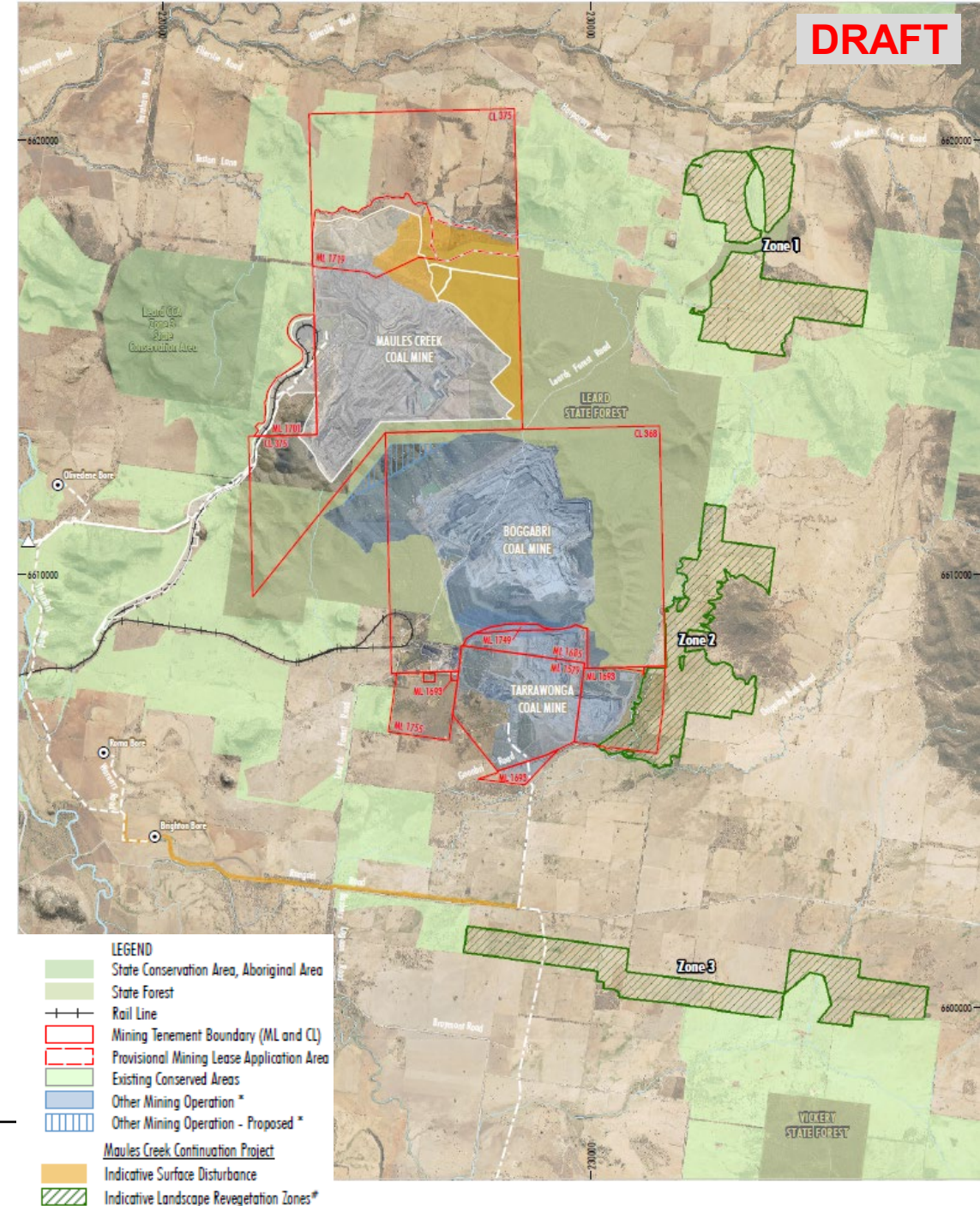
During October to December 2024 the following weed control was undertaken via spot spraying/jetting on the Maules Biodiversity Properties:

- 86ha of Broadleaf weeds such as Pattersons Curse, Turnip, Cobblers Peg, Saffron Thistle, Cockspurr and St Johns Wort were sprayed.
- 16ha of Woody Weeds such as Sweet Briar, Blackberry, Prickly Pear and Tiger Pear were sprayed.
- 22ha of Grasses such as African Lovegrass, Rhodes grass and Coolatai grass were sprayed.
- 294ha of tracks sprayed as part of the track maintenance.



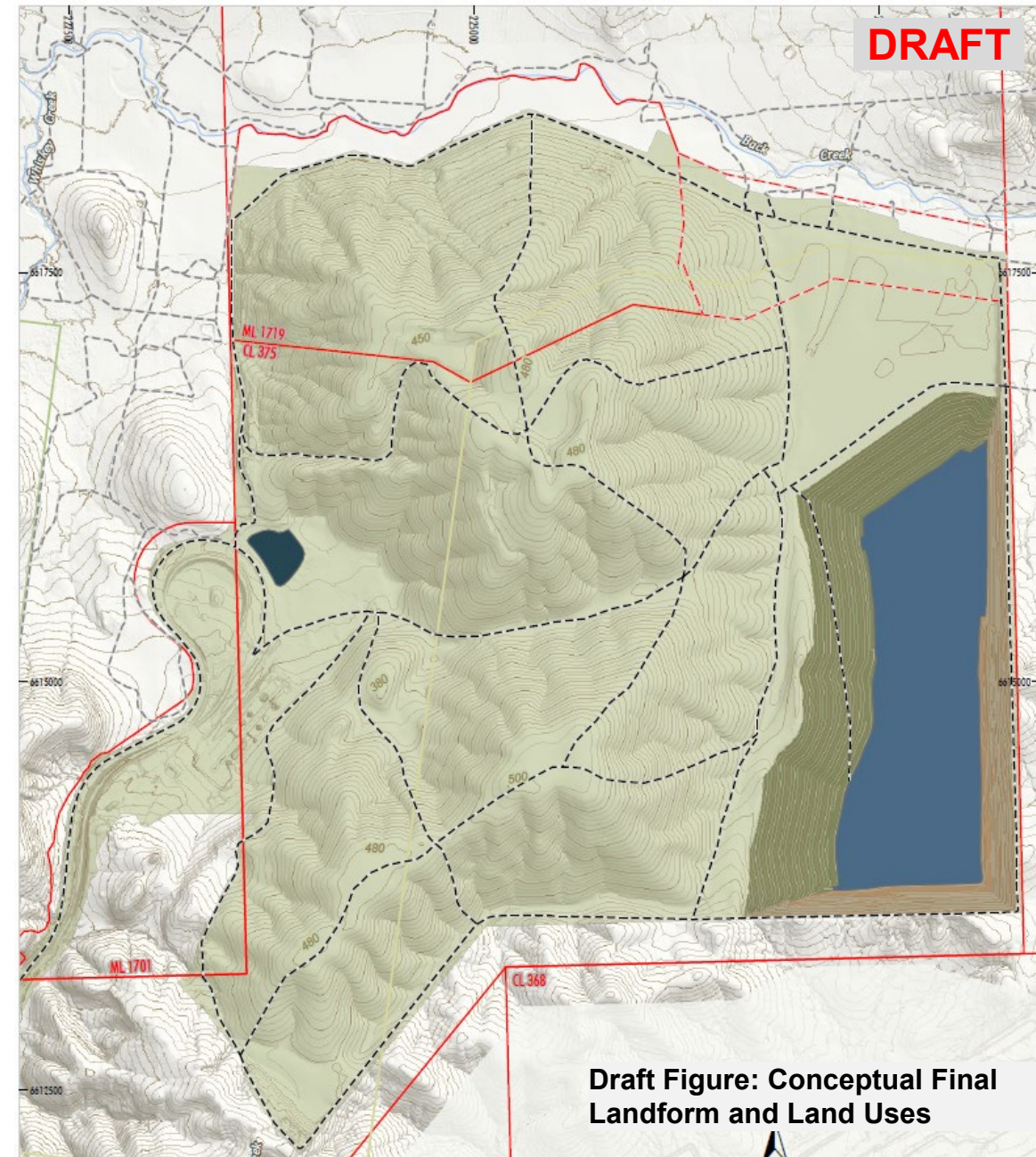
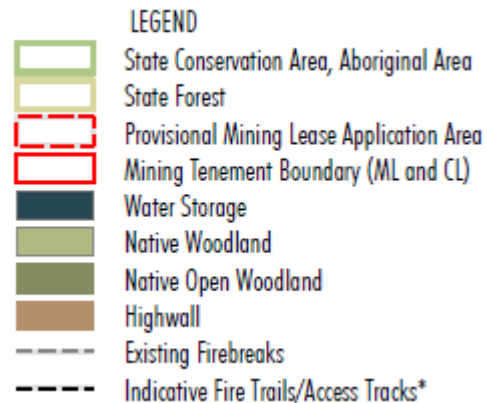
Landscape Revegetation Zones

- The Project will involve revegetation of the post-mine landform (as standard) but also revegetation of larger areas of cleared land in the wider landscape as an important part of the Project
- These external revegetation areas, termed Landscape Revegetation Zones, are proposed as part of the Project to:
 - establish approximately 2,300 ha of native woodland in the vicinity of the MCCM (i.e. in addition to any offset and rehabilitation obligations);
 - provide a larger area of native vegetation cover than currently exists in the local region of Leard State Forest following completion of the Project;
 - complement the existing Leard State Forest Regional Strategy, by expanding habitat adjacent to Leard State Forest and providing linkages between woodland patches/existing conserved areas; and
 - provide a larger benefit (net gain) compared to offsetting alone (i.e. it would be additional/in excess to standard offset/credit requirements).
- This initiative is part of the Project because it is recognised that these types of initiatives can provide more Nature Positive outcomes
- The Landscape Revegetation Zones will be assessed in the BDAR.



Final Landform and Land Use

- One final void to remain post-mining in the south-east of the Project area, generally consistent with the approved MCCM
- Native woodland to also be established as the final land use across Project footprint, consistent with the approved MCCM
- Highwalls along the south and east of the final void would remain. Western and northern faces of low walls to be rehabilitated with native open woodland
- Highwall bunding/fencing to be constructed to restrict access to final void



Environmental Assessment Updates

- Updates on Land Contamination, ACHA, Soil Resources, Non-Indigenous and Visual Assessment were provided in the November 2024 CCC meeting

Noise

- Assessment of operational (three Project scenarios), construction, road traffic and rail noise impacts generated by the Project
- Proactive and real-time management measures to continue for the Project

Road Transport

- It is concluded that no specific road or intersection upgrades are required to mitigate the impacts of the Project on the capacity, safety and efficiency of the road network

Surface Water

- Project water management system would be generally consistent with the objectives of the existing water management system at the MCCM
- Reduced final void catchment area compared to the approved MCCM



Environmental Assessment Updates - Continued

Groundwater

- BTM groundwater model has been validated, and updated/calibrated up to mid-2024 and peer reviewed by HydroSimulations and is to be used for MCCP impact predictions

Air Quality

- Cumulative impact assessment includes modelling of the MCCM incorporating the Project, Tarrawonga and Boggabri (including proposed Mod 10)
- Continuation of proactive and real-time management including shutdown of fleet during adverse conditions
- Particulate matter modelling predicts no exceedances of the relevant criteria for privately-owned receivers for the three modelled Project years



EIS Approval Process

- Scoping Report lodgment - Complete
- Secretary's Environmental Assessment Requirements (SEARs) issued by DPHI on 26 October 2023 - Complete
- Site Verification Certificate granted over the proposed Mining Lease Application area - Complete
- EPBC Referral lodged on 15 July 2024 - Complete
- EIS planned to be lodged end of Q1 2025
- EIS exhibition expected to occur in Q2 2025

APPROVAL TIMELINE

Preparation of Scoping Report



Lodgement of Scoping Report



SEARs issued from the DPHI



EIS development

WE ARE
HERE

Development Application, including the EIS, lodged with DPHI

DPHI reviews the EIS and prepares for public exhibition

EIS placed on public exhibition for comment

Whitehaven responds to submissions

DPHI assesses the EIS, submissions and Whitehaven responses

The NSW Minister for Planning directs IPC to undertake an Independent Assessment

The IPC makes a determination

MCC CCC Meeting Management Plans

Maules Creek Coal Mine
February 2025

MCC Management Plans

Main Changes

- Change to the format to align Management Plans across WHC
- No additional information or changes to the current information, WHC taking a streamline approach to the Management Plans.
- Current Plans awaiting determination:
 - Noise Management Plan
 - Water Management Plan
- Current Plans being prepared for submission:
 - Traffic Management Plan



Maules Creek Traffic Management Plan

October 2024



Community

Maules Creek Coal Mine
February 2025

Aboriginal Representative on the CCC

- Advertisements continue to run in the Gunnedah Times and Narrabri Courier
- Advertisements continue to be displayed on the MCC website
- No applications have been forthcoming
- Please direct anyone who is interested to apply through the website or through application to the Chair.

Community

[MAULES CREEK CCC MEMBER DETAILS AND CONTACTS](#) →

Community Consultative Committee applications

The Maules Creek Community Consultative Committee (CCC) is looking for a mix of people who live locally or are members of a local community or stakeholder group (eg social, environment, Aboriginal or industry) to contribute constructively to committee discussions, attend around four meetings a year, and communicate information about the mine's social and environmental operations between the committee and the broader community. Committee membership is voluntary. Whitehaven employees and contractors are not eligible for appointment to the committee as a community representative.

To make an Expression of Interest to join the Maules Creek CCC, please review the criteria, complete an application form and return it to the independent chairperson of the CCC at maulescreekcoalccc@gmail.com.

[↓ COMMUNITY REPRESENTATIVE NOMINATION FORM](#)

[↓ OTHER STAKEHOLDER GROUP REPRESENTATIVE NOMINATION FORM](#)

EXPRESSION OF INTEREST

NOMINATIONS ARE OPEN FOR APPOINTMENT OF TWO COMMUNITY MEMBERS TO THE MAULES CREEK COAL MINE COMMUNITY CONSULTATIVE COMMITTEE

We are seeking nominations from people who live locally, or are members of local community or stakeholder groups having environmental interests or who are Aboriginal to fill two positions on our Maules Creek Coal Community Consultative Committee.

Community consultative committees play an important role in ensuring proponents engage with the community and stakeholder groups on approved state significant projects.

These committees provide a forum for open dialogue between the proponent and representatives of the local community, stakeholder groups and local councils on issues directly relating to the project.

Please note that employees of and contractors to Maules Creek Coal are not eligible for appointment to the committee as a community representative.

Your role as a committee member will be voluntary.

You will have the opportunity to contribute constructively to committee discussions, attend about four meetings a year, and communicate information about the mine's social and environmental operations between the committee and the broader community.

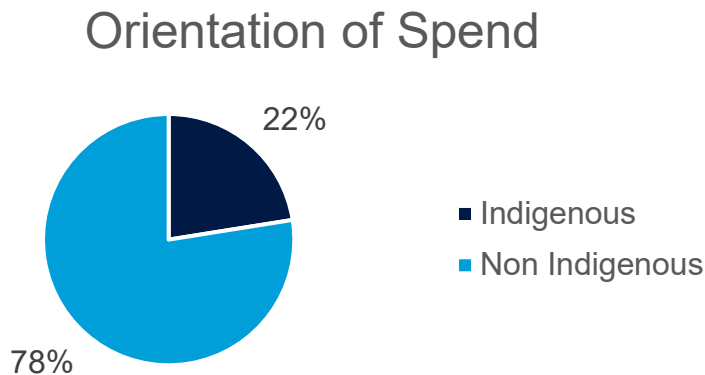
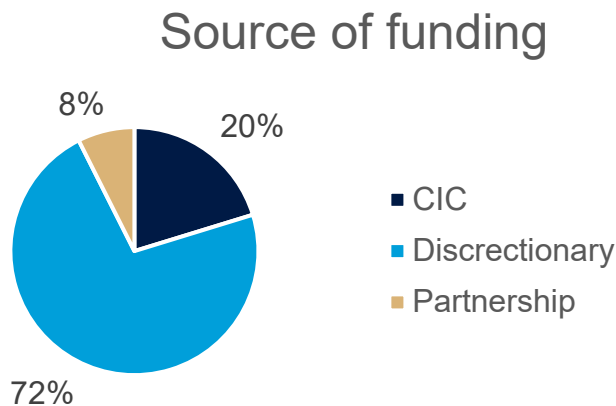
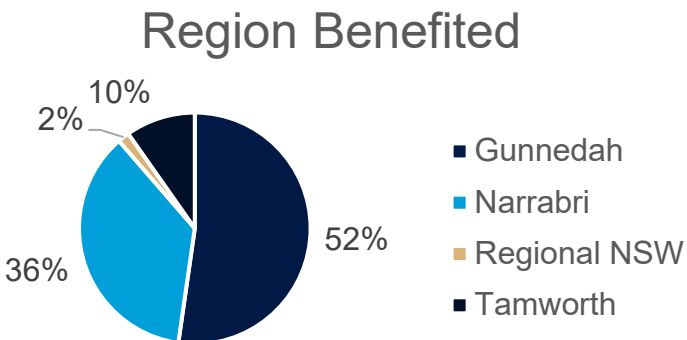
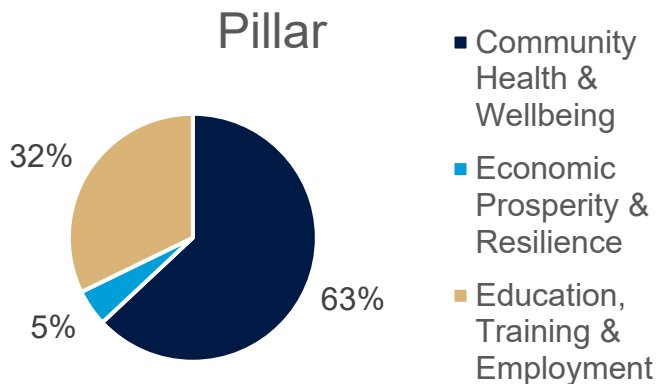
If you would like to apply, please address the selection criteria that can be found in the nomination form at whitehavencoal.com.au/our-business/our-assets/maules-creek-mine/ under the Community tab. Nominations are open until the 19th September 2024.

Contact the Independent Chair, Mike Silver 0427 723 747 for more information.

Completed nomination forms must be sent to the independent chairperson of the Community Consultative Committee at: maulescreekcoalccc@gmail.com or PO Box 37 Gunnedah NSW 2380.

Community Investment

- \$336,919.06 funded in Q2 FY25. Key areas of investment included Narrabri Silo Art, Stars Foundation for Gunnedah High School, the district's Group 4 NRL competition, Local Aboriginal Community Organisations, Dymocks Children's Charities, the Gunnedah Shire Council Education Scholarship, and the Narrabri Arts Eisteddfod



Thank you

Maules Creek Coal Mine
February 2025

