



2025 ANNUAL REVIEW

Western Coal Services

March 2026



Annual Review Title Block

Name of Operation	Western Coal Services (WCS)
Name of Operator	Springvale Coal Pty Limited
Development Consent/ Project Approval #	SSD-5579
Name of holder of Development Consent/ Project Approval	Springvale Coal Pty Ltd
Mining Lease #	ML1352, ML1319, ML1448, ML1866, & CCL733
Name of Holder of Mining Lease	Centennial Springvale Pty Limited and Boulder Mining Pty Ltd
Water License #	Not Applicable
Name of Holder of Water License	Not Applicable
RMP Start Date	1 August 2022
Annual Review Start Date	1 January 2025
Annual Review End Date	31 December 2025
I, Geoff Rapson, certify that this audit report is a true and accurate record of the compliance status of Centennial Western Coal Services for the period 1 January to 31 December 2025 and that I am authorised to make this statement on behalf of Centennial Springvale Coal Pty Ltd. <i>Note:</i> a) The Annual Review is an 'environmental audit' for the purposes of s122B(2) of the Environmental Planning and Assessment Act 1979. Section 122E provides that a person must not include false or misleading information (or provide information for inclusion) in an audit report produced to the Minister in connection with an environmental audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000. b) The Crimes Act 1900 contains other offences relating to false and misleading information: section 192G (intention to defraud by false or misleading statement – maximum penalty 5 years imprisonment); sections 307A, 307B and 307C (False or misleading applications/information/documents –maximum penalty 2 years imprisonment or \$22,000, or both).	
Name of Authorised Reporting Officer	Geoff Rapson
Title of Authorised Reporting Officer	Manager Coal Services & REA Controller
Signature of Authorised Reporting Officer	
Date	27.03.2026

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Plans

Plan Reference	Plan Name
1A	Project Locality
1B	Mining Leases
1C	Built Environment
2	Mining and Rehabilitation
3A	Environmental Monitoring
3B	Rehabilitation Monitoring

Appendices

Appendix No.	Appendix Name
1	Plans
2	Coal Transport and Stockpile Summary
3	Noise
4	Air Quality

1 STATEMENT OF COMPLIANCE

The compliance status of Western Coal Services for 2025 is provided in **Table 1-1**. There were 12 non-compliances during the Reporting Period.

Non-compliances applicable to the Reporting Period are summarised in **Table 1-2**.

Table 1-1: 2025 Statement of Compliance

Were all conditions of the relevant approval(s) complied with?	
Development Consent SSD-5579	No
Environment Protection Licence 21229	No
Mining Lease (ML) ML1352, ML1319, ML1448, ML1866, CCL733	Yes
Radiation Licence	Yes
Statement of Commitments	Yes

Table 1-2: 2025 Non-Compliances

Relevant Approval	Condition #	Condition summary	Compliance Status	Comment	Where Addressed in Annual Review
SSD-5579	Schedule 3, Condition 24	The Applicant must prepare and implement a Water Management Plan for the development to the satisfaction of the Secretary.	Non-Compliant	Exceedance of interim concentration limits specified in Condition L2.4 of EPL Point 1 (LDP001) during the Reporting Period in January, March, April, May, June, July, August, September, November and December.	Section 7.4 Section 11
EPL 21229	L2.4	Water and/ or Land Concentration Limits			
SSD-5579	Schedule 3, Condition 16	The Applicant must prepare and implement an Air Quality Management Plan for the development to the satisfaction of the Secretary.	Non-Compliant	On 23 December 2025, the contractor attending site to collect the dust gauges (DG), noted DG3 bottle and funnel had been removed from the sampling location. There are no depositional dust results for DG3 in December 2025.	Section 6.4 Section 11
EPL 21229	M2.2	Air Monitoring Requirements			
EPL 21229	U1.2	Pollution Studies and Reduction Program – The Licence must complete the following milestones related to the Huon Gully Diversion Pond.	Non-Compliant	Milestones outlined in U1.2 were not complied with, including: - Contract execution - Construction Completion	Section 3.1.1 Section 11

Note: Compliance Status Key for Table 1-2

Risk Level	Colour Code	Description
High	Non-Compliant	Non-compliance with potential for significant environmental consequences, regardless of the likelihood of occurrence
Medium	Non-Compliant	Non-compliance with: • Potential for serious environmental consequences, but is unlikely to occur; or • Potential for moderate environmental consequences, but is likely to occur
Low	Non-Compliant	Non-compliance with: • Potential for moderate environmental consequences, but is unlikely to occur; or • Potential for low environmental consequences, but is likely to occur
Administrative	Non-Compliant	Only to be applied where the non-compliance does not result in any risk of environmental harm (e.g. submitting a report to government later than required under approval conditions)

2 INTRODUCTION

Western Coal Services (WCS), the premises, is operated by Springvale Coal Pty Limited (Centennial). WCS is located to the west of the Blue Mountains in the Lithgow Local Government Area in New South Wales. WCS is approximately 125 kilometres (km) from Sydney, 15 km north of city of Lithgow, 5 km north-northwest from the township of Wallerawang, and 4 km northwest of the village of Lidsdale.

Centennial operation includes infrastructure for the receipt, handling and processing of coal and reject materials from Springvale Mine (SSD-5594), Angus Place Colliery (SSD 06_0021) and other Centennial Coal Company Limited operations. Additionally, Centennial manages the transportation of this coal to Mount Piper Power Station (MPPS) (DA80/10060) and Lidsdale Siding (Development Consent PA 08_0223). Site also receives and emplaces residual waste from the Springvale Water Treatment Project (SWTP) (SSD-7592).

Springvale Coal Services Site (SCSS) is a coal processing and storage facility that forms part of WCS. It is used for run-of-mine (ROM) coal handling and stockpiling, ROM coal beneficiation (washing), emplacement of coal reject material and emplacement of residual waste material from the SWTP. It connects to a network of conveyors which can transfer coal between Springvale Mine, Wallerawang Power Station (now closed), MPPS and Lidsdale Siding. The site is approved to receive and process up to 9.5 million tonnes per annum (Mtpa) of coal from Angus Place Colliery, Springvale Mine and other Centennial operations.

2.1 SCOPE

This Annual Review (AR) details the compliance and environmental management performance of WCS during the period from 1 January 2025 to 31 December 2025. The AR has been prepared in accordance with the Annual Review Guideline (DPHI 2015), and satisfies:

- Schedule 5, Condition 4 of the Development Consent SSD-5579; and
- Schedule 3 Condition 42 of the Development Consent SSD-5579.

Note: Kerosene Vale, the haul roads and LDP003 (EPL 467) which was previously reported in the Angus Place Annual Review (prior to 2023), is now reported in the WCS Annual Review.

2.2 MINE CONTACTS

The contact details for the personnel responsible for environmental management and community relations at WCS are provided in **Table 2-1** below.

Table 2-1: WCS Environmental Contact Details

Name	Position	Contact Details
Geoff Rapson	Mine Manager & REA Controller	T: (02) 6355 9511
		E: geoff.rapson@centennialcoal.com.au
Makenzie Denley	Environment & Community Officer	T: (02) 6355 9515
		E: makenzie.denley@centennialcoal.com.au
Community Information Line	SCSO Control Room	T: (02) 6355 9500

3 APPROVALS

SSD-5579 was granted in April 2014 and has been modified on four (4) occasions.

Modification (MOD) 1 was approved in June 2017 and included the following scope:

- The receipt of residuals stream from the water treatment plant proposed in the Springvale Water Treatment Plant (WTP) and emplacement within the existing REA at the WCS; and
- Changes to the decommissioning and rehabilitation strategy approved in SSD-5579.

MOD 2 was approved in December 2017 and included the following scope:

- Changes to the applicability of noise criteria from noise generated by the operation of the overland coal conveyor, Wallerawang haul road or Mount Piper haul road; and
- Requirements to prepare and implement a Noise Reduction Study for the overland coal conveyor and SCSS.

MOD 3 was approved in August 2019 and included the following scope:

- Enable the transfer of coal from the Lidsdale Rail Siding back to the SCSS using the existing overland conveyor system that operates between the Lidsdale Rail Siding and the SCSS; and
- Increase the volume of coal that can be received at the SCSS from other sources (other than the Springvale Mine and Angus Place Colliery) from 1 million tonnes per annum (Mtpa) to 1.5 Mtpa.

MOD 4 was approved in October 2022 and included the following scope:

- Redesign of the site water management system and construction of a water transfer system to enable the transfer of water to McPhillamys Gold Project and MPPS, as well as the receipt of water from Angus Place Colliery; and
- Amendment of the rehabilitation conditions to align with the Rehabilitation Reforms introduced in 2022.

3.1 PROJECT APPROVALS, MINING AUTHORISATIONS, AND OTHER LICENCES

Project Approvals, Mining Authorisations, and other Licences relevant to WCS is provided in **Table 3-1**. The current Project Approval and EPL are available at the Centennial website¹.

¹ <https://www.centennialcoal.com.au/operations/western-coal-services>

Table 3-1: WCS Environmental Approvals

Approval	Description	Expiry Date	Change during Reporting Period
Project Approval – NSW Department to Planning, Housing and Infrastructure (DPHI)			
Development Consent SSD-5579 (MOD 4)	Development Consent approval issued under the EP&A Act	30/06/2039	No
Radiation Licence – NSW Environment Protection Authority (EPA)			
Radiation Management Licence 5061304	Radiation Management Licence issued under the <i>Radiation Control Act 1990</i>	15/06/2026	No
Environmental Protection Licence (EPL) – EPA			
EPL 21229	Environmental Protection Licence issued under the <i>Protection of the Environment Operations Act 1997</i> (POEO Act)	N/A	No (Section 3.1.1)
Mining Lease – NSW Resources Regulator (RR)			
ML 1319	Mining Lease	05/07/2035	No
CCL 733	Consolidated Coal Lease	3/07/2027	No
ML 1352	Mining Lease	23/06/2036	No
ML 1448	Mining Lease	31/05/2043	No
ML 1866	Mining Lease	15/11/2044	No
Rehabilitation Management Plan (RMP) – RR			
RMP	RMP as required by the Mining Amendment Regulation & SSD-5579.	29/07/2022 (Submission Date)	Yes
Annual Rehabilitation Report & Forward Program (ARR&FP) – RR			
ARR & FP	ARR & FP as required by the Mining Amendment Regulation	N/A	No

3.1.1 Environmental Protection Licence

The Environmental Protection Authority (EPA) finalised a variation to Environmental Protection Licence 21229 (EPL) on 21 November 2024. In summary, the variation includes, but is not limited to:

- Addition of a surface water quality monitoring point (Point 13 – downstream of LDP001 and immediately prior to discharge into Wangcol Creek).
- Additional discharge water quality sampling parameters and interim limits on LDP001.
- A Pollution Studies and Reduction Program (PRP), focusing on clean water diversion works, emplacement cell and water storage lining and discharge concentration and volume limits.

There have been no approved changes to EPL 21229 in the reporting, however consultation with the EPA is ongoing.

On 28 October 2025, Centennial submitted a variation request to amend the timing requirements, project description and milestones for PRP Condition U1. On 27 November 2025, Centennial received a notice to supply further information from the EPA. A response was submitted on 17 December 2025 and 19 February 2026.

In 2026, there will be an ongoing focus on the continued progression of Huon Gully, DWP-A and Pond Lambert to assist site to further optimise water management at site.

3.2 ANNUAL REPORTING REQUIREMENTS

Table 3-2 provides a checklist of statutory reporting requirements and performance conditions addressed within the Annual Review. In accordance with Schedule 5, Condition 11 of SSD-5579 a copy of the 2025 Annual Review will be made available on the Centennial website¹.

Table 3-2: WCS Annual Review Reporting Requirements

Approval	Condition No	Requirement	Where addressed in Annual Review
SSD-5579	Schedule 5 Condition 4	By the end of March each year, or other timing as may be agreed by the Secretary, the Applicant must review the environmental performance of the development to the satisfaction of the Secretary. This review must:	This Document
		(a) describe the development that was carried out in the previous calendar year, and the development that is proposed to be carried out over the current calendar year;	Section 4 Section 12
		(b) include a comprehensive review of the monitoring results and complaints records of the development over the previous calendar year, which includes a comparison of these results against the: - relevant statutory requirements, limits or performance measures/criteria; - the monitoring results of previous years; the relevant predictions in the EIS;	Section 6 to Section 10
		(c) identify any non-compliance over the past year, and describe what actions were (or are being) taken to ensure compliance;	Section 1 and 11
		(d) identify any trends in the monitoring data over the life of the development;	Section 6 to Section 10
		(e) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and	Section 6 to Section 10
		(f) describe what measures will be implemented over the next year to improve the environmental performance of the development.	Section 12
	Schedule 3 Condition 42d	Monitor and report on the effectiveness of waste minimisation and management measures in the Annual Review.	Section 6.8.2 and 6.8.3

Approval	Condition No	Requirement	Where addressed in Annual Review
SSD-5579	SOC No. 5.11 Surface water, groundwater, geomorphology, and aquatic	To better understand the groundwater linkages, within 12 months of Project Approval, a baseline groundwater monitoring program will be established for the Springvale Coal Services Site. The baseline groundwater monitoring program will include: i. Quarterly monitoring of water levels from a network of monitoring bores following the completion of construction; ii. Six monthly sampling of monitoring bores for field analysis of pH, EC and temperature and laboratory analysis on major ions, pH, EC, TDS, dissolved arsenic, cadmium, chromium, copper, iron, lead, manganese, nickel, and zinc; and iii. An annual review so that its capacity as an accurate predictive tool can be assessed and maintained.	Section 7.5
	SOC No. 10.1 Rehabilitation	Within six months of Project Approval a single Rehabilitation Plan will be prepared for the entire PAA in consultation with the Department and will include the timeframes provided within this EIS, details of the rehabilitation methods, monitoring and reporting framework. Results arising from the implementation of the program will be reported each year in the Annual Review (currently referred to as the AEMR).	Section 8

4 OPERATIONS SUMMARY

4.1 PRODUCTION

Details of coal processing and transportation operations at WCS for the Reporting Period is presented in **Table 4-1** and **Table 4-2**. Consent limits, and results for the previous Reporting Period (2024) and forecasted operations (2026) are also summarised **Table 4-1**.

Table 4-1: 2025 Production Summary & Forecast

Material	Approved Limit (SSD-5579) (Tonnes)	Previous Reporting Period (2024) (Actual Tonnes)	This Reporting Period (2025) (Actual Tonnes)	Next Reporting Period (2026) (Forecast Tonnes) ¹
Waste Rock / Overburden	N/A	N/A	N/A	N/A
Total receipt of coal	9,500,000	3,187,549	2,863,903	2,372,900
Receipt of ROM coal from Springvale Mine	5,500,000	2,812,146	2,535,828	2,335,139
Receipt of ROM coal from Angus Place	4,000,000	0	0	0

Receipt of coal from sources other than Springvale Mine or Angus Place Colliery	1,500,000	369,028	362,313	37,761
Receipt of coal from Lidsdale Siding	1,500,000	375,403	362,313	37,000
Receipt of ROM coal from sources other than Springvale Mine or Angus Place Colliery	1,000,000	6,375	0	37,761
Processing of ROM coal	7,000,000	140,769	13,911	0
Coarse reject ²	N/A	29,563	2,979	0
Fine reject (Tailings) ²	N/A	29,563	2,979	0
Transport from WCS to Lidsdale Siding (Rail)	6,300,000	3,800	64,837	0

Note: ¹ As per SCSO budgeted forecast 04/02/2026. Budgets are subject to variation but will be conducted in accordance with approved operations. ² In accordance with the EIS, the washery output is calculated to be an equal split between coarse and fine reject.

Table 4-2: 2025 Coal Processing, Handling and Transport Summary

2025	Product from Springvale Colliery (5.5 Mtpa limit)	Product to Energy Australia (Mt Piper)	Product from Lidsdale Siding (1.5 Mtpa limit)	WCS to Lidsdale Siding
January	38,886	107,077	21,949	0
February	17,003	155,274	45,012	0
March	299,845	388,914	31,256	0
April	283,525	142,296	3,995	35,496
May	297,777	320,788	0	17,303
June	377,274	310,813	0	7,527
July	238,663	296,934	0	0
August	16,223	176,930	11,013	0
September	108,547	133,771	0	0
October	258,482	276,223	0	4,511
November	333,256	293,615	0	0
December	235,264	217,750	0	0
Total for 2025	2,504,745	2,820,385	113,225	64,837

4.2 OTHER OPERATIONS

Coal transportation is monitored in accordance with Development Consent SSD-5579, Schedule 3, Condition 39. A summary of operations relevant to WCS, including the haul roads and Kerosene Vale is provided in **Table 4-3**. Compliance with the residual waste limits are discussed in **Section 6.8.3**.

There were no inconsistencies between the approved limit and actual processing or transportation limits for the Reporting Period. Further detail regarding coal transportation, processing and stockpile management is presented in **Appendix 2**.

Table 4-3: 2025 Other Operations Summary

Requirement	Approved Limit (SSD-5579)	Previous Reporting Period (2024) (Actual)	This Reporting Period (2025) (Actual)	Comment
Transport (Wallerawang Haul Road) (SSD-5579)	Truck movements restricted to the day period only prior to longwall extraction at the Angus Place Colliery.			
	Max. 3 truck operating during the evening period following commencement of longwall extraction at Angus Place Colliery.	No haulage undertaken	No haulage undertaken	Compliant
	No truck movements to occur during the night period.			
Transport (Mt Piper Haul Road) (SSD-5579)	Truck movements restricted to the day period only prior to longwall extraction at the Angus Place colliery.			
	Max. 8 trucks operating during the evening period following the commencement of longwall extraction at Angus Place Colliery.	No haulage undertaken	No haulage undertaken	Compliant
	Max. 2 trucks operating during the night period.			
	No truck movements to occur in the night period during adverse meteorological conditions.			
Kerosene Vale Coal Stockpile Operations (SSD-5579)	During the day period only.	Stockpile management activities limited to general maintenance activities only during the reporting period. All management activities undertaken during daytime period only. No haulage undertaken.	Stockpile management activities limited to general maintenance activities only during the reporting period. All management activities undertaken during daytime period only. No haulage undertaken.	Compliant

4.3 MINING OPERATIONS

There were no mining activities undertaken during the Reporting Period.

4.4 EXPLORATION

There were no exploration activities undertaken during the Reporting Period.

4.5 LAND DISTURBANCE

There were no additional land disturbance activities undertaken during the Reporting Period.

4.6 CONSTRUCTION

There were no construction activities undertaken during the Reporting Period.

4.7 NEXT REPORTING PERIOD

WCS will continue to receive coal from Springvale Colliery and Lidsdale Siding in the next Reporting Period and will wash ROM coal as required for quality control to produce product coal for Energy Australia, and for export via Lidsdale Siding.

Additionally, Centennial will be progressing components of the EPL PRP in 2026, via continued consultation with the EPA.

5 ACTIONS REQUIRED FROM PREVIOUS ANNUAL REVIEW

Table 5-1 summarises the outcomes of previous Annual Reviews, including actions issued by the relevant government departments and actions taken by Centennial.

Table 5-1: Actions from Previous Annual Review

Action Required	Requested By	Action Taken	Where addressed in Annual Review
Make publicly available a copy of the 2024 Annual Review on the company's website within 30 days of the date of this letter.	DPHI	The Annual Review was made available on the Centennial website.	NA

6 ENVIRONMENTAL PERFORMANCE

Centennial implements an Environmental Management Strategy (EMS), as required by Schedule 5, Condition 1 of SSD-5579, including management plans, procedures and monitoring programs that provide a framework for managing environment and community risks and impacts.

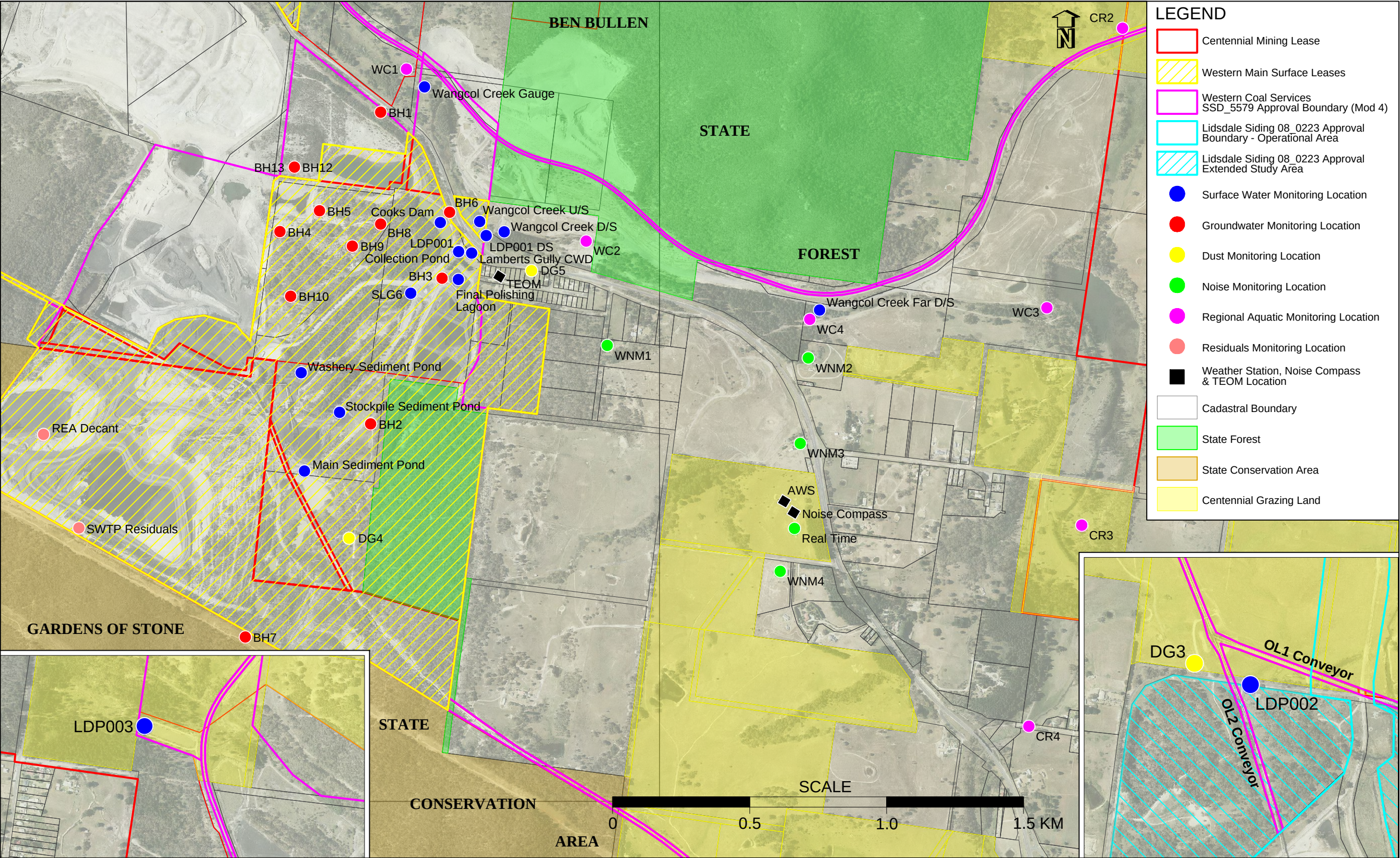
To measure compliance with site approvals and licences, Centennial undertakes a comprehensive monitoring program. The environmental monitoring locations are shown in **Figure 6-1**.

This section provides a summary of environmental performance in the Reporting Period, including:

- **Section 6.1** – Meteorological Summary
- **Section 6.2** – Noise
- **Section 6.3** – Blasting
- **Section 6.4** – Air Quality
- **Section 6.5** – Greenhouse Gas
- **Section 6.6** – Biodiversity
- **Section 6.7** – Heritage
- **Section 6.8** – Other Matters
 - Bushfire Management
 - Waste
 - Residual Waste
 - Visual Amenity

The environmental performance for surface water and groundwater, rehabilitation, and community aspects are reported in **Sections 7, 8, and 9** respectively.

Figure 6-1: WCS Environmental Monitoring Locations



Operation: Western Coal Services	Leaseholders: Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	Mining Leases: CCL733 Expiry 3 July 2027 ML1319 Expiry 5 July 2035 ML1352 Expiry 23 June 2036 (AMA1016, AMA1017 & AMA1018) ML1448 Expiry 31 May 2043 ML1866 Expiry 15 November 2044 MPL314 Expiry 3 August 2035	CERTIFICATION I hereby certify that the information shown hereon, to the best of my knowledge and belief, is correctly represented. Signed: Date: 11-February-2026 Geoff Rapson Manager Coal Services & REA Controller	WESTERN COAL SERVICES ANNUAL REVIEW 2025 MINING & REHABILITATION Plan 3A - Environmental Monitoring	<table><tr><td>MINE</td><td>WCS</td></tr><tr><td>SEAM</td><td>N/A</td></tr><tr><td>DRAWN</td><td>P.J.M.</td></tr><tr><td>SCALE</td><td>Refer to Scale Bar</td></tr><tr><td>DATE</td><td>11-February-2026</td></tr><tr><td>SHEET</td><td>A2H</td></tr></table>	MINE	WCS	SEAM	N/A	DRAWN	P.J.M.	SCALE	Refer to Scale Bar	DATE	11-February-2026	SHEET	A2H	<table><tr><td>PLAN No.</td><td>PC8057</td></tr></table>	PLAN No.	PC8057
MINE	WCS																			
SEAM	N/A																			
DRAWN	P.J.M.																			
SCALE	Refer to Scale Bar																			
DATE	11-February-2026																			
SHEET	A2H																			
PLAN No.	PC8057																			
Operator: Springvale Coal Pty Limited																				
Project Approval: SSD_5579 (MOD 4)	RMP Start Date: 1-August-2022																			
Proponent: Springvale Coal Pty Limited	RMP End Date: N/A Perpetual																			
Mining Leases: CCL733, ML1319, ML1352, ML1448, ML1866 & Part MPL314	Annual Review Start Date: 1-January-2025 Annual Review End Date: 31-December-2025																			

6.1 METEOROLOGICAL SUMMARY

6.1.1 Environmental Management

Centennial operates a meteorological monitoring station in accordance with Schedule 3, Condition 18 of SSD-5579 and the Western Region Air Quality and Greenhouse Gas Management Plan (WRAQMP) 2024 (**Section 6.4**).

6.1.2 Environmental Performance

A summary of meteorological data collected throughout 2025 is presented in **Table 6-1** and **Figure 6-2**. The WCS metrological station recorded a minimum temperature of -8°C in June, and a maximum temperature of 34.4°C in January. August recorded the highest amount of rainfall in the Reporting Period, receiving 87.2mm. All months, with the exception of May, July and August received rainfall less than their respective long term monthly averages. The cumulative rainfall for the Reporting Period of 598.4mm was below the long-term annual average of 829.1mm (2020 – 2025).

The predominate wind direction in 2025 was Northwest, plotted on a wind rose in **Figure 6-3**.

Table 6-1: 2025 Meteorological Conditions Summary

2025	Total Rainfall (mm)	Cumulative Rainfall (mm)	Minimum Temperature (° C) @ 2m	Maximum Temperature (°C) @ 2m
January	80.8	80.8	6.2	34.4
February	55.4	136.2	3.2	32.2
March	36.8	173.0	8	33.4
April	50.8	223.8	0.7	26.1
May	51.6	275.4	-2	19.6
June	25.0	300.4	-8	17.2
July	69.2	369.6	-7.2	14.8
August	87.2	456.8	-5.2	19.2
September	53.6	510.4	-3.8	23.8
October	16.0	526.4	-0.2	30.6
November	29.2	555.6	-1	30.8
December	42.8	598.4	0.7	34.2

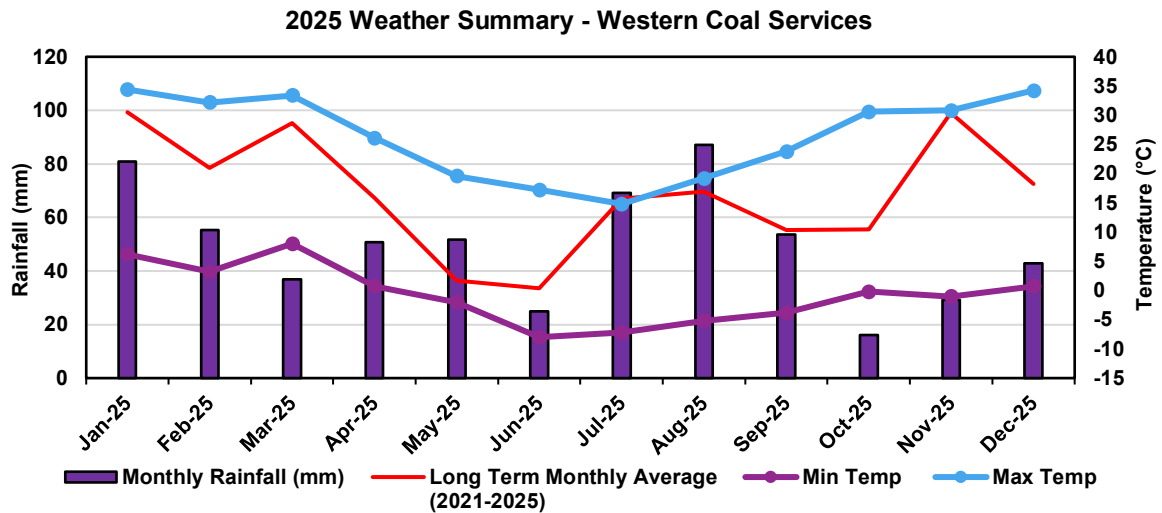


Figure 6-2: 2025 Weather Summary

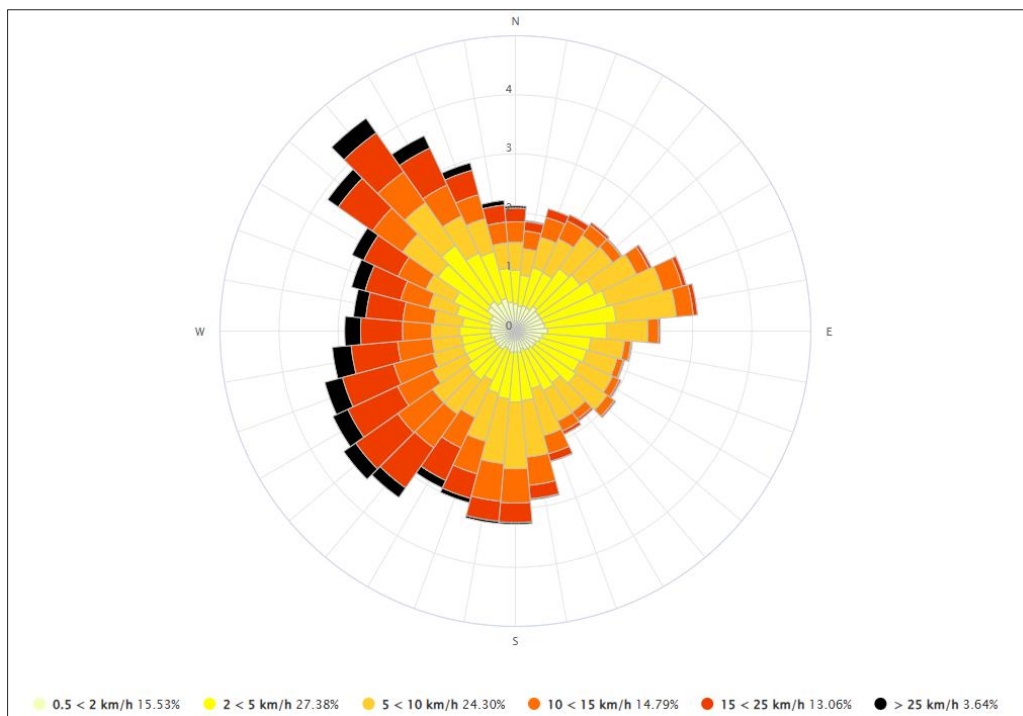


Figure 6-3: 2025 Annual Windrose

6.2 NOISE

6.2.1 Environmental Management

During the Reporting Period, Centennial managed noise in accordance with the Western Region Noise Management Plan (WR NMP) Revision 5, dated November 2021 approved by DPHI in June 2022.

In November 2025, Centennial submitted a project specific Western Coal Services Noise Management Plan (WCS NMP), in accordance with Schedule 3, Condition 9. In January 2026, the DPHI approved the WCS NMP, decoupling the plan from the existing WR NMP.

The following sources of noise have been identified in the WCS NMP:

- Operation of mobile equipment – e.g., trucks, loaders, dozers, graders and water cart.

- Coal handling and preparation – e.g., conveyors and washery.
- Coal transporting activities – e.g., overland conveyors and trucks.

Noise management and mitigation measures for WCS include, but are not limited to:

- Maintaining all plant and equipment to manufacture specifications (ongoing).
- Operate mobile plant in a quiet and efficient manner (ongoing).
- Regular training of operators (ongoing).
- Installation of frequency modulated reversing alarms on mobile plant (complete).
- Switching off vehicles and plant when not in use (ongoing).
- Low-noise design for transfer chutes on conveyor systems (complete).
- Low-noise idlers fitted to conveyors (complete with ongoing maintenance).
- Limit sound power levels for key noise sources, e.g. conveyor drives (complete).
- Partial enclosures on conveyors (complete).
- Regular and systematic maintenance on the overland conveyor system (ongoing).

Additional noise management and mitigation measures are outlined in WCS NMP.

6.2.2 Environmental Performance

Noise Criteria

Schedule 3, Condition 7 of SSD-5579 provides noise criteria for 14 identified locations and EPL 21229 condition L.5.1, specifies noise monitoring limits for 4 locations. **Table 6-2** presents the applicable noise criteria for SSD-5579 and EPL 21229, along with the monitoring locations required by EPL 21229 and the long-term monitoring program outlined in the WR NMP.

Table 6-2: WCS Noise Criteria

Monitoring location	EPL (21229) ID number	Receiver ID (SSD-5579)	Day LAeq (15 min) dBA	Evening LAeq (15 min) dBA	Night LAeq (15 min) dBA	Night LA1 (1min) dBA
WNM1	Point 8	B12	40	35	35	47
		B13	41	36	36	50
WNM2	Point 9	B14	41	35	35	55
WNM3	Point 10	B15	36	35	35	45
WNM4	Point 11	B16	35	35	36	45
-	-	B17	42	44	45	45
-	-	W1	37	37	41	45
-	-	W2	35	35	36	45
-	-	L1	42	35	35	45
-	-	L2	40	39	35	45
-	-	WR1	41	38	36	57
-	-	WR2	38	37	35	48
-	-	S3	36	36	39	45
-	-	All other privately owned residences	35	35	35	45

Note: ¹ In accordance with EPL21229, Condition L5.1, day is defined as the period from 7:00 am to 6:00 pm, evening is defined as the period from 6 pm to 10 pm and night time is defined as 10:00 pm to 7:00 am. Note 2: In accordance with Schedule 3, Condition 7 of SSD-5579, the noise criteria in Table 6-2 do not apply to noise generated by the operation of the overland coal conveyor, Mount Piper haul road or the Wallerawang haul road or if WCS has an agreement with the owner/s of the relevant residence or land to generate higher noise levels, and WCS has advised the Department in writing of the terms of this agreement. Note 3: In accordance with Appendix 5, Condition 1 of SSD-5579, the noise criteria in Table 3.1 are to apply under all meteorological conditions except the following:

- (a) Average wind speed at microphone height exceeds 5 m/s
- (b) Wind speeds greater than 3 m/s measured at 10 m above ground level.
- (c) Temperature inversion conditions greater than 3°C/100 m

Attended Noise Monitoring

In March 2024, Centennial moved to the long-term noise monitoring program defined in the WR NMP, reducing attended noise monitoring frequency to quarterly. Quarterly attended noise surveys were undertaken at four locations, selected to be representative of identified receiver locations. These locations are shown in **Figure 6-1**. Results for Day, Evening and Night $L_{Aeq}(15\text{-minute})$ and Night $L_{Aeq}(1\text{-minute})$ are presented in **Table 6-3**. There were no exceedances of the noise criteria during the 2025 Reporting Period.

Table 6-3: 2025 Attending Noise Monitoring Results

Location	Measurement	Criteria		Month			
		Period	(dBA)	Quarter 1 2025	Quarter 2 2025	Quarter 3 2025	Quarter 4 2025
WNM1	$L_{Aeq}(15\text{minute})$	Day	40	ND	ND	ND	ND
		Evening	35	ND	ND	ND	ND
		Night	35	ND	ND	ND	28
	$L_{Aeq}(1\text{minute})$	Night	47	ND	ND	ND	34
WNM2	$L_{Aeq}(15\text{minute})$	Day	41	ND	ND	ND	ND
		Evening	35	ND	ND	ND	ND
		Night	35	ND	ND	ND	ND
	$L_{Aeq}(1\text{minute})$	Night	55	ND	ND	ND	ND
WNM3	$L_{Aeq}(15\text{minute})$	Day	36	ND	ND	ND	ND
		Evening	35	ND	ND	ND	ND
		Night	35	ND	ND	ND	33
	$L_{Aeq}(1\text{minute})$	Night	45	ND	ND	ND	34
WNM4	$L_{Aeq}(15\text{minute})$	Day	35	ND	ND	ND	ND
		Evening	35	ND	ND	ND	ND
		Night	36	ND	ND	ND	34
	$L_{Aeq}(1\text{minute})$	Night	45	ND	ND	ND	36

Notes: ND – Not Discernible. When site only noise is noted as ND, there was no noise from the source of interest audible at the monitoring location.

There were two community complaints received during the Reporting Period regarding noise from the overland conveyor (OL) system, specifically OL2. WCS personnel conducted immediate belt inspections to investigate and addressed the issues raised by the complainants.

Sound Power Levels

In accordance with the WR NMP, Sound Power Level (SPL) monitoring was undertaken in 2025. A SPL survey for the WCS OL system and the fixed and mobile plant equipment in accordance with the Noise Reduction Study (NRS) contained in the WR NMP.

The SPL measurements of the overland conveyor system was undertaken in October 2025. Results are provided in **Table 6-4** and **Table 6-6**. Levels are measured across the entire length of each conveyor, 1m from the conveyor along the accessible pathways. It should be noted that some plant (CW01, TT05, and CHPP) was not tested due to interference from other nearby plant, restricted access or plant shutdown for repair or maintenance.

Table 6-4: 2025 Annual Sound Power Level Results @ 1m dB

Item	LW	LWA
CW02	80	72
CW03	89	80
CW04	89	85
CW05	87	84
CW06	85	82
CW07	90	86
CW08	87	80
CW09	83	75
OL2 drive	101	94
WL02	104	97
WL03	107	95
WL04	107	97
DZ14	103	97

Real Time Monitoring

In accordance with Schedule 3, Condition 8 (b), Centennial operates a comprehensive noise management system that uses a combination of predictive meteorological forecasting and real time noise monitoring data. The daily noise forecast report is discussed in the start of shift meeting to guide the day-to-day planning operations at WCS. As outlined in the both the WR NMP and WCS NMP, the system is installed for proactive management purposes only. During the Reporting Period the system was calibrated quarterly and operational. Further details of attended noise monitoring results in the Reporting Period are presented in **Appendix 3**.

6.2.3 Comparison Against Predictions

An Environmental Impact Statement (EIS) was prepared for the WCS Project by RPS Australia East Pty Ltd (RPS) in 2013. Modelled predictions indicate Centennial will comply with the Industrial Noise Policy (INP) Project Specific Criteria, however there will be likely residual noise impacts above the INP Project Specific Criteria at some receptors in Blackmans Flat (RPS, 2013).

EMM Consulting Pty Limited (EMM) was engaged by Centennial to complete the MOD 4 report. A Construction Noise and Vibration Impact Assessment (CNVIA) was complete and considered the potential for noise and vibration impacts from the proposed works. The report was prepared in accordance with the methodology outlined in the Noise Policy for Industry (NPfI) (EPA 2017), Interim Construction Noise Guideline (ICNG) (DECC 2009), as well as other relevant guidelines and standards. Noise levels generated by all works are expected to comply with the construction noise management levels under all scenarios. Noise levels at all receivers are expected to be below the highly affected noise level under all scenarios (EMM, 2021).

6.2.4 Long Terms Analysis

Table 6-5 summarises the number of non-compliances at attended monitoring locations since 2021. There have been no non-compliances of attended noise monitoring measurements in this period.

Table 6-5: Long-Term WCS Attended Noise Monitoring Exceedances

Location	Receiver ID	2021			2022			2023			2024			2025		
		D	E	N	D	E	N	D	E	N	D	E	N	D	E	N
WNM1	B12, B13*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNM2	B14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNM3	B15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNM4	B16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

D = Day period (The period from 7am to 6pm on Monday to Saturday, and 8am to 6pm on Sundays and Public Holidays).

E = Evening period (The period from 6pm to 10pm).

N = Night period (The period from 10pm to 7am on Monday to Saturday, and 10pm to 8am on Sundays and Public Holidays).

* = This monitoring location will be represented by B12. If an exceedance occurs at B12, then assume an exceedance at B13.

Table 6-6: Long-term Sound Power Level Measurements

Item	2023		2024		2025		Change (2024 – 2025)	
	L _W	L _{WA}	L _W	L _{WA}	L _W	L _{WA}	L _W	L _{WA}
CW01	-	-	85	79	-	-	-	-
CW02	-	-	77	71	80	72	3	1
CW03	92	82	94	87	89	80	-5	-7
CW04	89	86	90	86	89	85	-1	-1
CW05	86	81	-	-	87	84	-	-
CW06	85	81	84	81	85	82	1	1
CW07	87	82	-	-	90	86	-	-
CW08	84	78	89 ¹	82 ¹	87	80	-2	-2
CW09	85	78	84	77	83	75	-1	-2
OL2 drive	103	97	111 ¹	108 ¹	101	94	-10	-14
CHPP	125	109	-	-	-	-	-	-
TTO5	-	-	115	101	-	-	-	-

Note: ¹ measurement affected by nearby conveyors

6.2.5 Implemented / Proposed Improvements

Centennial will continue to manage noise through the implementation of the WCS NMP. Noise management controls are considered effective based upon compliance with the noise criteria. Centennial will continue to undertake periodic inspections and maintenance requirements of fixed and mobile plant during the next Reporting Period to minimise sound power levels.

6.2.6 Acquisitions and Mitigation Requests

In accordance with Schedule 3, Condition 1 of SSD-5579 upon receiving a written request for acquisition from the owner of Property B4, Centennial must acquire the land in accordance with the procedures in Schedule 4, Condition 5 of SSD-5579. There were no written requests received for acquisition during the Reporting Period.

Additionally, in accordance with Schedule 3, Condition 2 of SSD-5579 upon receiving a written request for noise mitigation measures from the owner of Property B4, Centennial must implement these measures. There were no requests received for noise mitigation measures during the Reporting Period.

6.3 BLASTING

There was no blasting activities carried out at WCS during the 2025 Reporting Period.

6.4 AIR QUALITY

6.4.1 Environmental Management

Centennial manages air quality in accordance with Western Region Air Quality and Greenhouse Gas Management Plan (WRAQMP) required by Schedule 3, Condition 17 of SSD-5579. The current version of the WRAQMP was last approved by DPHI in February 2025.

The following identified sources of dust emissions in the WRAQMP are relevant for WCS operations:

- Wind erosion from coal stockpiles and disturbed areas;
- Wheel generated dust;
- Fugitive emissions from coal handling and processing;
- Coal transporting activities (i.e. conveyors);
- Operation of mobile equipment.

Key dust mitigation measures for WCS are:

- Signage to display speed limits on all unsealed roads surfaces;
- Water sprays on unsealed areas and on the coal product stockpile during use, dry or windy conditions; and
- Maintaining enclosures on conveyor systems.

Additional air quality management and mitigation measures are outlined in the WRAQMP. Centennial undertakes air quality monitoring in accordance with the short-term program. The air quality monitoring locations are shown in **Figure 6-1**.

6.4.2 Environmental Performance

Air Quality Criteria

Schedule 3, Condition 13 of SSD-5579 provides the air quality criteria at any residence on privately owned land in **Table 6-7** and **Table 6-8**.

Table 6-7: Long-Term Criteria for Deposited Dust

Pollutant	Averaging period	Maximum increase in deposited dust level	Maximum total deposited dust level
^c Deposited Dust	Annual	^b 2 g/m ² /month	^a 4 g/m ² /month

Table 6-8: Short- and Long-Term Criteria for Particulate Matter

Pollutant	Averaging Period	^d Criterion
Particulate matter < 10 µm (PM ₁₀)	24-hour	^a 50µg/m ³
Total suspended particulate matter (TSP)	Annual	^a 90µg/m ³
Particulate matter < 10 µm (PM ₁₀)	Annual	^a 25µg/m ³

Notes: ^a A total impact (i.e. incremental increase in concentrations due to the development plus background concentrations due to all other sources). ^b Incremental impact (i.e. incremental increase in concentrations due to the development on its own). ^c Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method. ^d Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents or any other activity agreed by the Secretary.

Dust Deposition

In accordance with the WRAQMP, Centennial maintains a network of dust depositional gauges. **Table 6-9** and **Figure 6-4** presents the dust depositional monitoring results obtained during the Reporting Period.

Table 6-9: 2025 Depositional Dust Results

Dust Gauge	Min (g/m ² /month)	Mean (g/m ² /month)	Max (g/m ² /month)
WCSDG3 ¹	0.09	0.7	1.80
WCSDG4	0.24	0.8	1.51
WCSDG5	0.19	0.5	1.10

Notes: ¹DG3 Statistics are based on an annual average of 11 samples, due to the bottle and funnel being identified as missing from the sampling location in December. Refer to Section 11 for additional information.

WCS Monthly Depositional Dust - 2025

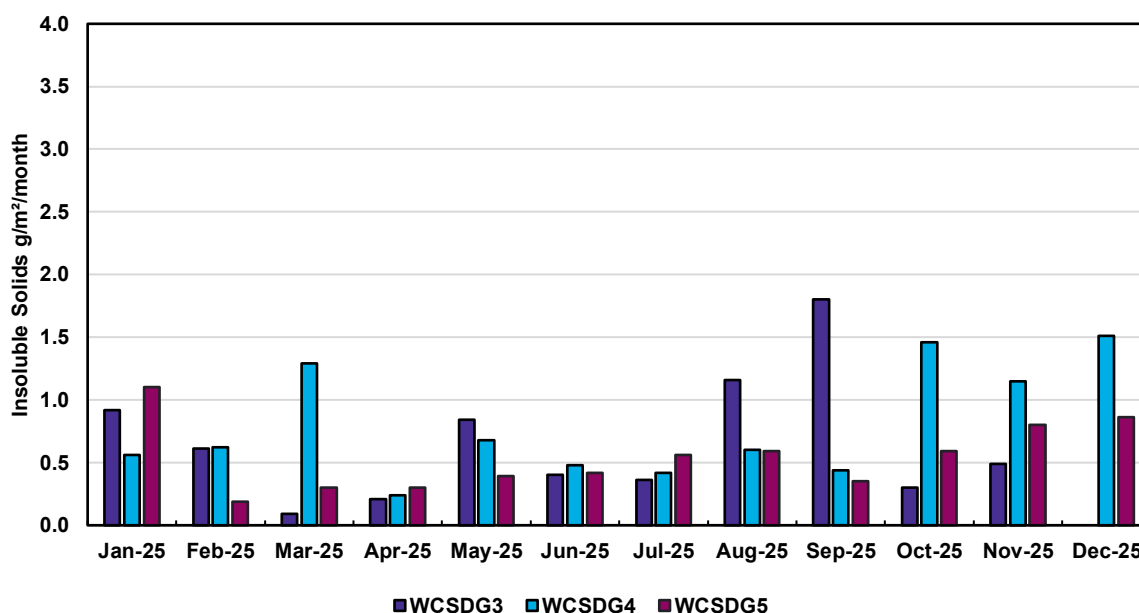


Figure 6-4: 2025 Depositional Dust Results

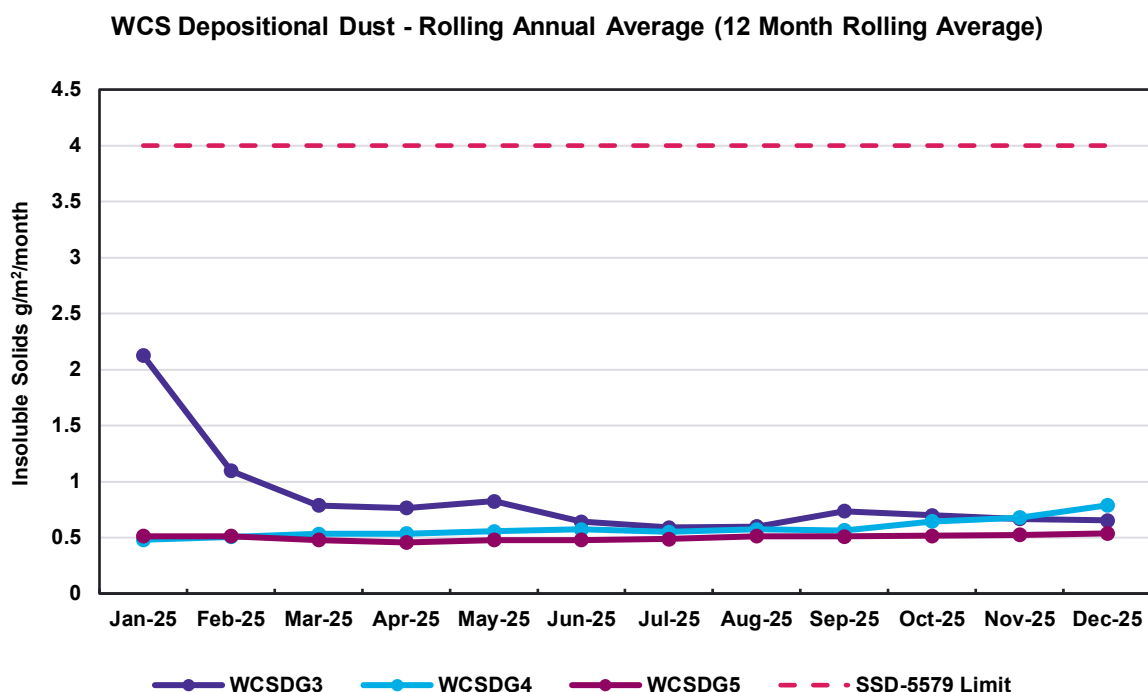


Figure 6-5: 2025 Depositional Dust Annual Average

The annual averages for depositional dust were below the annual criterion of 4g/m²/month (**Table 6-9** and **Figure 6-5**) and remain compliant with the limits outlined in SSD-5579 and the WRAQMP. Further results for depositional dust monitoring during the Reporting Period are provided in **Appendix 4**.

PM₁₀ and TSP

Real time air quality monitoring for PM₁₀ was measured through the Tapered Element Oscillating Microbalance (TEOM) unit at WCS. A ratio of PM₁₀ and TSP is used to estimate TSP contributions. For the WCS operation, a conservative ration of 0.43 was used to calculate compliance with the TSP criteria from the PM₁₀ data. **Table 6-10** presents the PM₁₀ and TSP monitoring results obtained during the Reporting Period.

Table 6-10: 2025 Particulate Matter Results

	Criteria (µg/m ³)	Maximum (µg/m ³)	Mean (µg/m ³)
24hr PM ₁₀ (short term)	50	89.0 ²	N/A
PM ₁₀ (long term)	25	N/A	11.74
Estimated TSP ¹	90	N/A	27.2

Notes: ¹Calculated TSP concentration estimate (PM₁₀ annual average divided by 0.43). ² Elevated sample, dated 27/05/2025, identified to be the result of a dust storm passing through the region and not related to WCS operations. This has not been reported as a non-compliance, in accordance with Schedule 3, Condition 13, Footnote d – criteria excludes extraordinary events including dust storms.

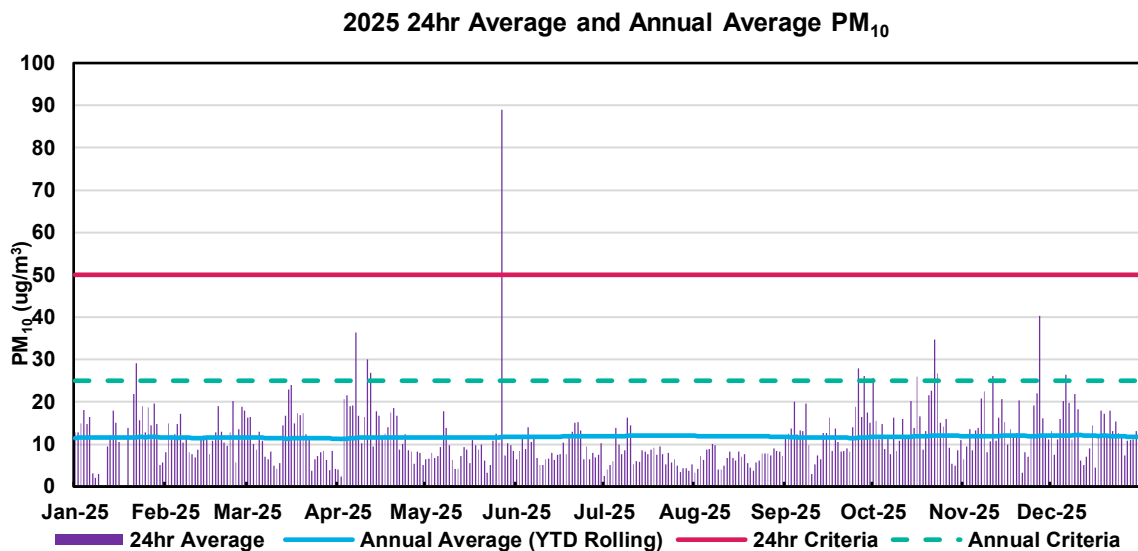


Figure 6-6: 2025 PM₁₀ Results

The 24hr average and annual average results for PM₁₀ were below the criterion of 50µg/m³ and 25µg/m³ respectively, with the exclusion of the result impacted by the region dust storm on 27 May 2025 (**Table 6-10** and **Figure 6-6**).

The annual average results for TSP were below the criterion of 90µg/m³ (**Table 6-10**) and remained compliant with the limits in the SSD-5579 and the WRAQMP. The TEOM unit PM₁₀ data capture rate was 100% during the Reporting Period. Further results for PM₁₀ and TSP monitoring during the Reporting Period are provided in **Appendix 4**.

6.4.3 Comparison Against Predictions

An Air Quality Impact Assessment (AQIA) was completed for the original *Western Coal Services Project - Environmental Impact Statement* (RPS 2013). The AQIA quantified emissions of particulate matter, specifically:

- Total suspended particulate matter (TSP);
- Particulate matter less than 10 microns in aerodynamic diameter (PM₁₀); and
- Particulate matter less than 2.5 microns in aerodynamic diameter (PM_{2.5}).

Detailed modelling was conducted to assess whether the Project would adversely impact any privately owned residencies within the vicinity of the Project Area. The assessment included predictions of air quality impacts from the Project in isolation and the potential cumulative impacts of other sources. The modelling indicates that the nearest sensitive receptors at Blackmans Flat are unlikely to experience dust concentrations above the EPA's air quality assessment criteria (RPS, 2013).

EMM Consulting Pty Limited (EMM) was engaged by Springvale Coal to prepare a modification report for MOD 4. The assessment followed the *Guidance on the Assessment of Dust from Demolition and Construction* (IAQM 2014). Air quality impacts during the ongoing operation of SCSS and other components of WCS were not anticipated to change as a result of the proposed modification. Consequently, an assessment of air quality impacts associated with the ongoing operation of SCSS and other components of WCS was not considered necessary (EMM, 2021).

PM₁₀, TSP and Depositional Dust Results for the Reporting Period were within the EIS and MOD 4 predictions.

6.4.4 Long Terms Analysis

The long-term annual average trends for depositional dust are summarised in **Table 6-11**. The maximum increase in annual deposited dust levels from 2024 to 2025 was less than 2 g/m²/month, with all deposited dust results decreased in comparison to 2024, except for DG4. The long-term trends of exceedances for PM₁₀/TSP are summarised in **Table 6-12**.

Air quality monitoring results during the Reporting Period confirmed dust deposition, TSP and PM₁₀ results were below their respective 24hr and annual average criteria and are consistent with long term data trends and predications.

Table 6-11: Long-Term Trends for Deposited Dust

	2021 g/m ² /month	2022 g/m ² /month	2023 g/m ² /month	2024 g/m ² /month	2025 g/m ² /month	Increase g/m ² /month
WCSDG3	1.66	2.2	3.0	2.2	0.7 ¹	-1.5
WCSDG4	0.69	1.4	0.7	0.5	0.8	+0.3
WCSDG5	1.37	0.7	0.7	0.6	0.5	-0.1

¹ DG3 Statistics are based on an annual average of 11 samples, due to the bottle and funnel being identified as missing from the sampling location in December. Refer to Section 11 for additional information.

Table 6-12: Long-Term Exceedances for Particulate Matter

	2021	2022	2023	2024	2025
24hr PM ₁₀ (short term)	0	0	0	0	0 ¹
PM ₁₀ (long term)	0	0	0	0	0
TSP	0	0	0	0	0

¹ Elevated sample, dated 27/05/2025, identified to be the result of a dust storm passing through the region and not related to WCS operations. This has not been reported as a non-compliance, in accordance with Schedule 3, Condition 13, Footnote d – criteria excludes extraordinary events including dust storms.

6.4.5 Implemented / Proposed Improvements

Dust emission controls are considered effective based upon compliance with the air quality criteria during the Reporting Period. Centennial will continue to implement the WRAQMP and will review and/or revise the WRAQMP as required.

6.5 GREENHOUSE GAS MONITORING

6.5.1 Environmental Management

Greenhouse gas (GHG) reporting and management measures are provided in the WRAQMP. GHG emissions from the WCS will continue to be monitored and reported annually in accordance with the *Commonwealth Government National Greenhouse and Energy Reporting scheme* (NGERs).

6.5.2 Environmental Performance

Table 6-13 reports the Scope 1 Emissions (Direct) and Scope 2 Emissions (Indirect) in tonnes of CO₂-e produced for the current period and compares these against EIS predictions².

Table 6-13 FY2025 Summary of GHG Emissions Reporting

Emission Sources	Estimated Emissions (tonnes CO ₂ -e) ²					Predicted Emissions (as modified)
	FY21	FY22	FY23	FY24	FY25	
Scope 1 Emissions (direct emissions)						
Fuel combustion	3,346	3,228	2,389	2,635	2,579	34,998
Petroleum Based Oils and Greases (PBOG) ³	262	272	456	242	244	
SF ₆	14	13	13	16	16	
Fugitive Emissions – CH ₄	22,985	11,801	11,257	6,191	15,114	
Fugitive Emissions – CO ₂	5,021	3,942	3,286	1,556	4,520	
Total Fugitive	28,005	15,742	14,543	7,747	19,634	
Total Scope 1 ²	31,628	19,256	17,402	10,640	22,473	
Scope 2 Indirect Emissions						
Electricity Consumption	72,337	72,824	69,589	62,852	58,154	97,997
Total Scope 2 ²	72,337	72,824	69,589	62,852	58,154	
Combined Greenhouse Gas Emissions (Scope 1 and 2)						
Scope 1 and Scope 2 Emissions ²	103,965	92,080	86,991 -5.527%	73,491 -15.52%	80,627 +9.71	132,995

6.5.3 Comparison Against Predictions

During FY 2025, the combined calculated Scope 1 and Scope 2 GHG emissions for WCS was 22,473 (t CO₂-e) and 58,154 (t CO₂-e) respectively. This is approximately 39.38% less than the EIS predicted combined total GHG emissions of 132,995 (t CO₂-e).

6.5.4 Long Term Analysis

Table 6-13 presents a summary of GHG emissions over the last five financial years. Based on the information reported, GHG emissions have been below EIS estimates for the project.

6.5.5 Implemented/Proposed Improvements

Mitigation measures to minimise to the greatest extent practicable of GHG emissions from WCS included regular maintenance of plant and equipment to minimise fuel consumption and consideration of energy efficiency in plant and equipment selection/phase.

6.6 BIODIVERSITY

6.6.1 Environmental Management

Centennial manages biodiversity in accordance with the Western Region Biodiversity Management Plan (WRBMP) which had never been approved. During the Reporting Period, biodiversity management for Western Coal Services transitioned from a Western Region–

² (EIS 2014) *Environmental Impact Statement Springvale Mine Extension Project 2014* by Golder Associates Pty Ltd

based framework to a site-specific Biodiversity Management Plan. The standalone, site-specific Western Coal Services Biodiversity Management Plan (WCSBMP) was submitted to the DPHI in April 2025 and was approved in September 2025, replacing the previous regional approach.

Management measures within the WCSBMP include, but are not limited to access management, bushfire management, erosion control, salinity management, preclearance surveys and waste management.

Centennial manages their biodiversity offset area “Carinya”, in accordance with the Western Region Biodiversity Offset Strategy (WRBOS) developed by Centennial to fulfill the requirements of Schedule 3, Condition 25 of SSD-5579.

The WRBOS (Version 8) was approved by DPHI on 27 January 2021. To offset the loss of 10.67 ha of vegetation clearing required for MOD 2, constituting the requirement for 695 ecosystem credits, the following has been provided as an offset:

- 292 ecosystem credits from HN534 - Moderate/Good Carinya Offset site; and
- 403 ecosystem credits from HN544 – Moderate/Good Carinya Offset site.

6.6.2 Environmental Performance

Aquatic ecology monitoring is undertaken in accordance with the requirements of the Upper Cocks River Action and Monitoring Plan (UCRAMP) dated June 2023 as required by the approved site Water Management Plan.

Aquatic ecology monitoring was conducted in waterways associated with WCS to determine whether operations have influenced the health of aquatic ecosystems in 2025. Water, sediment and macroinvertebrate samples were collected and analyses by GHD in autumn and spring. A summary of the 2025 monitoring results at focus sites along Wangool Creek (WC1, WC2, WC3 on **Figure 6-1**) are included below:

- Taxa richness results were similar between the background (WC1) and impact sites (WC2 and WC3). Taxa richness results in spring were within a similar range to the autumn results at WC1 and WC2, but were lower at WC3 than the autumn results
- EPT richness was higher at both impact sites in autumn, compared to spring, however, were below the background long-term medium.
- In autumn 2025, SIGNAL-2 scores were variable between replicates at all sites, with more difference observed between replicates than between sites. All SIGNAL-2 scores in autumn were below the long-term median. SIGNAL-2 scores in spring were equal to or above the long-term median in both replicates from WC3 and one replicate from WC2.

6.6.3 Comparison Against Predictions

The 2013 EIS predicted that:

- There are no significant impacts on adjacent aquatic habitats as impacts will be satisfactorily managed and mitigated via construction and operational Environmental Management Plans (EMPs).
- There are no significant impacts on the ecology of the WCS, including vegetation communities, threatened flora and fauna or endangered ecological communities that are known or expected to occur.

- There are no significant impacts on threatened species or Endangered Ecological Community (EECs) listed under the NSW *Threatened Species Conservation Act 1995* (TSC Act 1995) or Matters National Environmental Significance (MNES) under the *Commonwealth Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act 1999).

A Biodiversity Development Assessment Report (BDAR) was completed by RPS to assess any potential biodiversity impacts resulting from the proposed construction envelope for MOD 4. The BDAR project area for MOD 4 is the construction envelope and encompasses approximately 30 ha. MOD 4 will result in the clearing of 15.18 ha of native vegetation (including 0.24 ha of potential Bathurst Copper Butterfly habitat) and the removal of 32 Black Gum individuals from within the construction envelope. A total of 376 ecosystem credits and 72 species credits are required to offset the

direct impacts of the proposed modification. These offset liabilities will be met by Centennial prior to the commencement of construction of each modification element and may be staged to match construction staging (EMM, 2021).

6.6.4 Implemented / Proposed Improvements

Monitoring and inspections during the next Reporting Period will be undertaken to assess the effectiveness of the management measures for WCS in accordance with the WCSBMP.

6.6.5 Biodiversity Offsets

The conservation agreement for Carinya Lot 163 (**Figure 6-7**) was finalised in October 2020. Springvale submitted an Annual Management report to BCS for the Carinya offset area as required by the WRBOS.

In accordance with Schedule 3, Condition 30 of SSD-5579, within 6 months of the approval of the WCSBMP (September 2025), site must lodge a Conservation Bond with the Department to ensure that the Biodiversity Offset Strategy is implemented. Site has been consulting with the DPHI regarding this timeline and has requested and received approval for a 60-day extension.

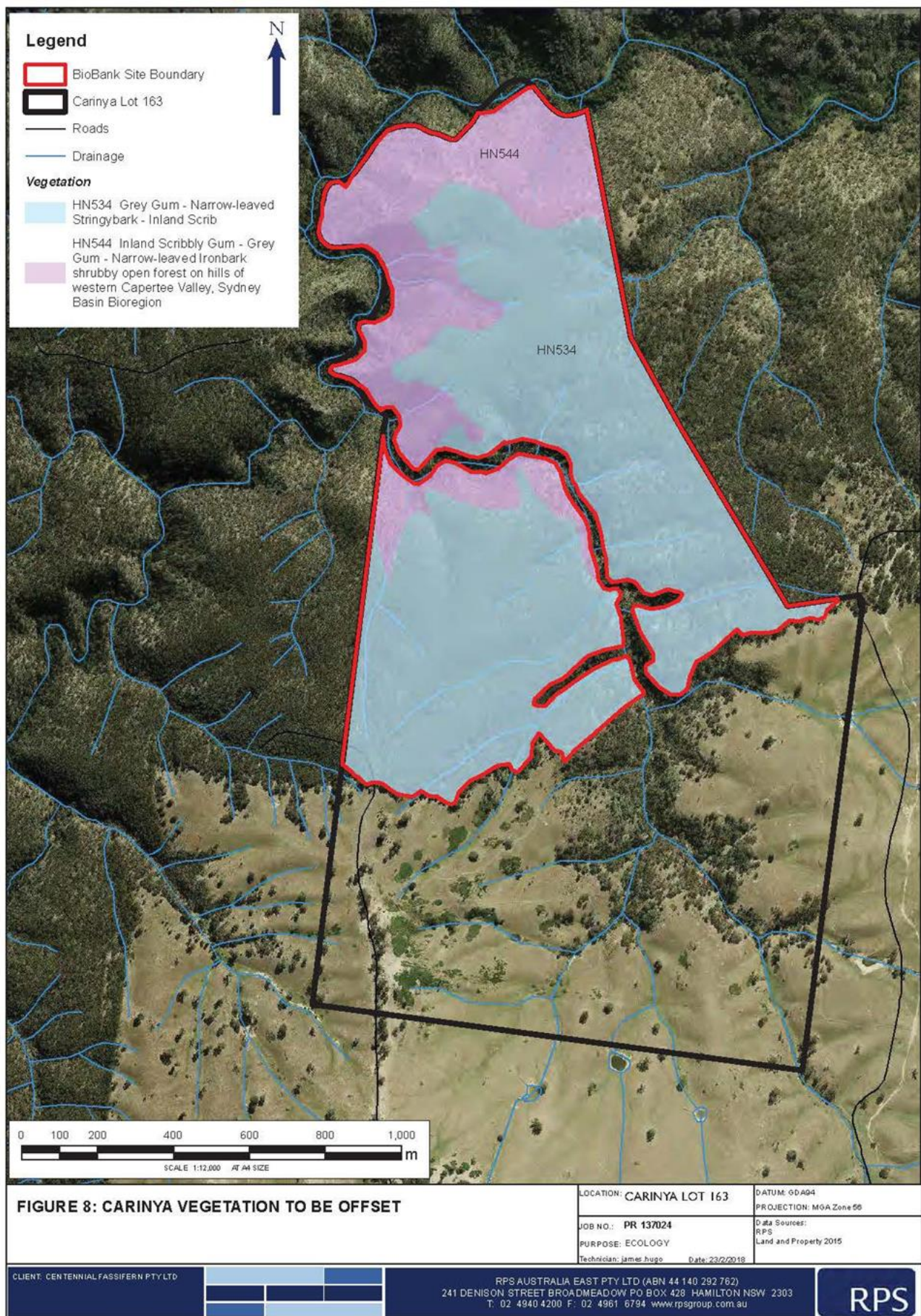


Figure 6-7: Carinya Offset Site & BioMetric Vegetation Types (BVTs)

6.7 HERITAGE

6.7.1 Environmental Management

Centennial manages Aboriginal heritage in accordance with the Western Region Aboriginal Cultural Heritage Management Plan (WRACHMP), approved by DPHI in June 2025.

The WRACHMP was submitted to DHPI in December 2024 in accordance with Condition U1.2 of the EPL 21229 PRP. DPHI requested additional consultation with Heritage NSW and the Registered Aboriginal Parties (RAP's). Following consultation, the WRACHMP was updated and re-submitted in May 2025, prior to approval in June 2025.

Centennial manages European heritage in accordance with the Historic Heritage Management Plan (HHMP) dated June 2018, approved by DHPI (formerly Department of Planning and Environment) in 2018.

6.7.2 Environmental Performance

Centennial engaged EMM to prepare an Aboriginal and Historical Heritage Due Diligence assessment for the Huon Gully area within the approved MOD 4 impact area.

In May 2025, EMM archaeologists and RAP Representatives from North-East Wiradjuri Corporation and Bathurst Local Aboriginal Land Council, attended site to complete a site due diligence inspection of the Huon Gully area. AHIMS sites #45-1-2845, #45-1-2848, #45-1-2823 and #45-1-0244 were previously recorded within the area, however AHIMS site #45-1-0244 is listed as destroyed on the AHIMS database, with consent to destroy (AHIP #516) approved in 1993; therefore, the team did not investigate this site. The original artefacts identified at previously recorded sites #45-1-2823 and #45-1-2845 could not be relocated, however, eight newly identified artefacts were located in proximity. The site #45-1-2848 was originally recorded as an isolated find, however during the inspection, a further 20 artefacts were also identified within ~50 m of it. A further 18 artefacts were identified on the vehicle track >50 m south of #45-1-2823/#45-1-2845 and >50 m north of #45-1-2848. It was considered the entire vehicle track and west adjacent grassed area can be considered as part of a larger low density artefact scatter, incorporating sites #45-1-2823, #45-1-2845, #45-1-2848 and one newly identified site 'WCS-AS01'.

In accordance with section 6.4 and 6.4.1 of the approved WRACHMP, EMM were engaged to implement the required cultural heritage mitigation measures for the remaining AHIMS #45-1-2823/#45-1-2845, #45-1-2848 and #45-1-2992. The fieldwork was carried out on 9 July 2025 by EMM Archaeologists, accompanied by representatives from Bathurst Local Aboriginal Land Council, North-Eastern Wiradjuri Corporation, Wellington Valley Wiradjuri Aboriginal Corporation, Mingaan Aboriginal Corporation, Warrabinga Native Title Claimants Aboriginal Corporation and Centennial representatives. All sites identified during this fieldwork were subject to surface collection. Site locations are outlined in **Figure 6-8**, and a summary of the surface collection is recorded in **Table 6-14**.

As per the recommendations of the EMM Salvage Report, the AHIMS records have been updated with site impact recording forms and in consultation with the RAPs, Centennial has submitted an Application for the Transfer of Aboriginal Object for Safekeeping with Heritage NSW. In the short-term it was agreed the salvaged artefacts would be stored safely onsite at WCS.

Table 6-14: WCS Huon Gully Artefact Surface Collection Summary

AHIMS ID	Site Name	Eastings	Northings	Site Salvaged	No. of Artefacts
#45-1-2823	RPS Artefact Scatter Q Flake 1	224843	6304251	Yes	4
#45-1-2845	MOD4_AS1_KM	224843	6304243	Yes	
#45-1-2848	MOD4_IF1_KM	224720	6304103	Yes	32
#45-1-2992	WCS-AS01	224783	6304163	Yes	30

6.7.3 Comparisons Against Predictions

The likelihood of any impact on Aboriginal Heritage has been assessed as low by the Aboriginal Cultural Heritage Committee (ACHA). There are no cumulative impacts or foreseeable risk of harm arising from the proposed works at WCS. Best practice mitigation measures have been suggested and implemented for the management of identified Aboriginal sites. It was also concluded by the ACHA that there were no non-Aboriginal Heritage constraints. It is considered that the WCS is well removed from any listed Heritage Items and the proposed works will have no impact upon them (RPS, 2013).

As agreed through consultation with the RAPs, the artefacts located within the approved Huon Gully area were salvaged in June 2025, prior to construction works and in accordance with the methodology presented in Section 6.4.1 of the WRACHMP (EMM, 2025).

6.7.4 Implemented / Proposed Improvements

The Western Region ACHC Meetings were held in March and October 2025. Centennial will continue to undertake Western Region ACHC Meetings in the next Reporting Period.

The pre-clearance permit systems in the WRAHMP provides the land disturbance due diligence process, implemented by the site, and is considered appropriate for the management of Aboriginal heritage items.

Figure 6-8: WCS Huon Gully Artefact Surface Collection Locations

\\emm.local\drive\2024\1E241037- Western Coal Service- Aboriginal site salvage\GIS\02_Maps\AHSR\AHSR001_SalvageResults\20250825_03.aprx 25/08/2025



KEY

MOD4 impact area

Study area

Survey result

Survey track

Individual artefact location

45-1-2823 45-1-2845

45-1-2848

45-1-2992

Strahler stream order

3rd order

Existing environment

Topographic contour (10 m interval)

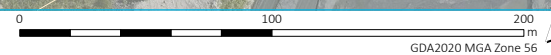
NPWS reserve

Salvage collection results

Western Coal Services- MOD4
Aboriginal Heritage Salvage Report
Figure 1.1



Source: EMM (2025); DCSSS (2024); DPI (2013); MetroMap (2025)



6.8 OTHER MATTERS

6.8.1 Bushfire Management

Centennial manages bushfire management in accordance with the Bushfire Management System. Fire control equipment was inspected monthly as part of normal operational maintenance. No fires occurred in the WCS consent boundary area during the Reporting Period.

6.8.2 Waste

Waste management at WCS is managed in accordance with the Waste Management Plan, dated April 2019. This section provides an overview of waste minimisation and management measures as required under Schedule 3, Condition 42 of SSD-5579.

All opportunities for waste avoidance and minimisation are considered by all staff and contractors across all areas including contracts, purchasing, equipment procurement and waste generation processes.

There are four main forms of waste generated by WCS and these include: coal reject material produced from the washery, recyclable materials, workshop wastes, and domestic wastes.

The following items are collected and recycled to minimise waste to landfill including, waste oil, paper and cardboard packaging, metals, other recyclables (e.g. glass and plastics) and timber pallets. All general waste is collected by a licensed waste contractor for disposal at a licensed landfill site. **Figure 6-9** provides a summary of waste generated in 2025 at the WCS.

In 2025, 20.63 tonnes of waste were sent offsite for disposal with 15.26 tonnes of scrap metal being recycled, resulting in a recycling rate of 79.55% in the Reporting Period.

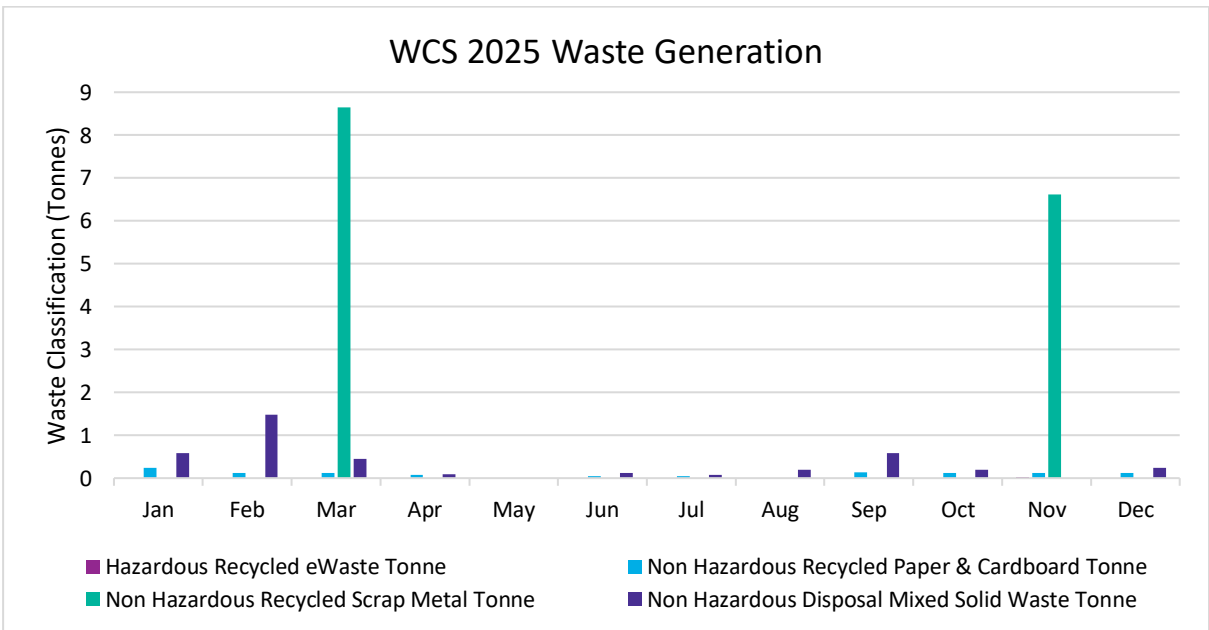


Figure 6-9: 2025 Waste Generation

6.8.3 Residual Waste

Schedule 2, Condition 8A of SSD-5579 and Condition L4.1 of EPL21229 specifies the limits associated with the transfer of residual wastewater from the Springvale Water Treatment Project (SWTP). The wastewater transfer limits are presented in **Table 6-15**, alongside the 2025 volumes transferred during the Reporting Period.

Table 6-15: 2025 Residual Transfer Limits and Performance

Performance Criteria	Limit	2025 Results
Annual Average	0.35 Megalitres/Day	0.116 ML/day
Daily Maximum	0.43 Megalitres/Day	0.391 ML/day

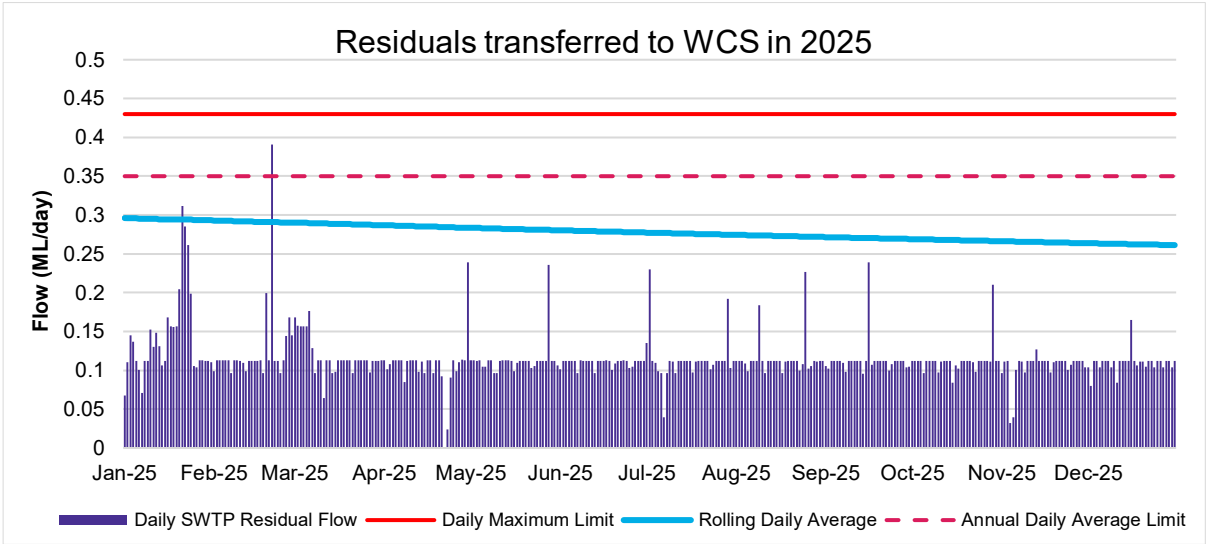


Figure 6-10: 2025 Residuals Transferred to WCS

Centennial complied with the maximum daily limit of 0.43 ML/day and the annual average limit of 0.35ML/day in the 2025 Reporting Period.

6.8.4 Visual Amenity

Centennia manages visual impacts in accordance with Schedule 3, Condition 40 of SSD-5579. There are no fixed outdoor lights or mobile lighting rigs shined above the horizontal.

The 2024 IEA confirmed that all external lighting associated with the development complied with Schedule 3, Condition 40 of SSD-5579 and *Australian Standard AS4282*. A lighting audit against AS4282 was completed for WCS in November 2016 and the site was found to be compliant. No changes to external lighting have occurred since and nil community complaints were received in relation to visual amenity during the period.

7 WATER

7.1 WATER MANAGEMENT

Centennial manages both surface water and groundwater in accordance with the Water Management Plan (WMP) Revision 6, dated July 2024, approved by the DPHI on 12 August 2024.

Management measures used during the operational phase include:

- The use of higher grades of mechanical equipment across the facility to reduce downtime and increase the efficiency of the water management system.
- The management of water discharged from site.
- Storage and use of chemicals/ fuel on site in accordance with technical guidelines.

- The use of sprinklers and water carts on coal stockpiles and compacted coal reject.
- Visual, acoustic and water management bunds around maintenance.
- Drainage line maintenance, and
- Ponds and Sediment Detention Basins maintenance.

A summary of water management and performance measures in the Reporting Period are provided in the following sections:

- Section 7.2 – Water Licences
- Section 7.3 – Water Balance
- Section 7.4 – Surface Water
- Section 7.5 – Groundwater
- Section 7.6 – Channel Stability and Stream Health

7.2 WATER LICENCES

WCS do not require water licences for the extraction of surface water or groundwater under the *Water Act 1912* and *Water Management Act 2000*.

7.3 WATER BALANCE

Table 7-1: 2025 Site Water Balance Model for WCS

	2024
INPUTS	
Catchment Runoff into storages	308
Groundwater inflows	695
SWTP residuals	42
Flocculant makeup	11
In situ coal moisture	33
Direct Rainfall	55
TOTAL INPUTS	1,144
OUTPUTS	
Evaporation	109
Dust suppression	58
Coarse coal reject moisture	1
Product coal moisture	2
Discharge via LDP001 to Wangcol Creek	763
Overflow from Final Polishing Lagoon to Wangcol Creek	128
Floor Seepage	204

	2024
Discharge via LDP002 to Cox's River (conveyor at Brays Lane)	0
TOTAL OUTPUTS	1,096
CHANGE IN STORAGE	
TOTAL CHANGE IN STORAGE	51
BALANCE	
Inputs – outputs – change in storage	170

The major inputs to the water cycle were identified as catchment runoff and groundwater recharge inflows. The largest outputs from the water cycle were identified as discharge into Wangcol Creek via LDP001, floor seepage and overflow from the Final Polishing Lagoon.

7.4 SURFACE WATER

7.4.1 Environmental Management

The water management systems at WCS is comprised of clean and dirty water. Sources of water include minimal potable water supply, rainfall runoff and groundwater inflow to Cooks Dam. WCS is also approved to receive residual wastewater from the SWTP (**Section 6.8.3**), and transfer water from Angus Place Colliery to the proposed McPhillamys Gold Project, and to and from MPPS. The primary on-site water demands are for surface dust suppression, coal washing activities and staff amenities.

As required by the current WMP, off-site surface water monitoring sites of Wangcol Creek Gauge, Wangcol Creek US, Wangcol Creek DS and Wangcol Creek Far DS were undertaken during the Reporting Period (**Table 7-4**). On site water quality monitoring of WCS's internal water management system is also undertaken.

Discharged water quality is monitored monthly during discharge events as per the requirements of EPL 21229 and the WMP at Licenced Discharge Point (LDP) LDP001, LDP001 Downstream and LDP002. The locations are shown in **Figure 6-1**.

Site Specific Guideline Values (SSGVs) for several analytes are provided in the WMP. The SSGVs form the basis of the Trigger Action Response Plans (TARPs). Applicable results from the 2025 surface water monitoring program were assessed against their respective SSGV, with the implementation of TARPs as required.

7.4.2 Comparisons Against Predictions

Overall, the WCS project will provide an opportunity to improve the water management system at WCS through the incorporation of water recycling systems and separating the operation from clean water passing through the site. WCS is likely to result in beneficial outcomes for Wangcol Creek by reducing water discharges, having improved dirty water storage, and recycling capacity, and maintaining clean water flow through the site from upstream undisturbed areas (RPS, 2013).

EMM Consulting Pty Limited (EMM) were engaged by WCS to prepare a modification report for MOD 4. The proposed modification is predicted to reduce the volume and frequency of discharges to Wangcol Creek via LDP001 and result in a significant reduction in the pollutant load of discharges to the receiving environment. The proposed modification is therefore

assessed to have at least a neutral or beneficial effect on water quality within the Sydney drinking water catchment area (EMM 2021).

During the Reporting Period, the construction activities described in the Modification 4 report for WCS, have not commenced. In accordance with the PRP, water management improvement activities are ongoing and being done in consultation with the EPA.

7.4.3 Environmental Performance

Discharge Water (LDP001)

As required by EPL 21229, water discharged from LDP001 is tested monthly during discharge for pH, Total Suspended Solids (TSS), Electrical Conductivity (EC), Turbidity (NTU), Oil and Grease and a suite of dissolved metals.

Concentration and volume limits during discharge events are provided in EPL 21229, Condition L2.4 Water and/or Land concentration Limits and L3 Volume and mass limits. The limits are displayed in **Table 7-2**. The interim concentration limits specified under EPL 21229 do not apply when the discharge occurs as a result of rainfall measure at the premises which exceeds a total of 56mm of rainfall over any consecutive 5-day period.

A summary of LDP001 water quality during the Reporting Period are presented in **Table 7-2 and Figure 7-1 to Figure 7-5**.

Table 7-2: 2025 LDP001 and LDP001 Downstream Water Quality Summary

Parameter	Unit of Measure	LDP001				LDP001 Downstream (EPL Point 13) ¹		
		Min	Mean	Max	Limit	Min	Mean	Max
Arsenic (dissolved)	mg/L	0	0	0.0002	0.013	0	0	0
Boron (dissolved)	mg/L	0.89	1.34	1.88*	1.50	0.85	1.29	2
Cadmium (dissolved)	mg/L	0	0	0.0001	0.0008	0	0	0
Chromium (dissolved)	mg/L	0	0	0.0007	0.04	0	0	0
Cobalt (dissolved)	mg/L	0.003	0.061	0.085*	0.07	0.008	0.013	0.022
Copper (dissolved)	mg/L	0	0.0005	0.0022	0.0024	0	0	0
Iron (dissolved)	mg/L	0.003	0.131	0.57*	0.30	0	0.021	0.21
Lead (dissolved)	mg/L	0	0	0.0006	0.0094	0	0	0
Manganese (dissolved)	mg/L	0.23	3.048	3.88*	3.6	0.47	0.74	1.02
Mercury (dissolved)	mg/L	0	0	0.0004	0.0054	0	0	0
Molybdenum (dissolved)	mg/L	0	0	0.0001	0.034	0	0	0
Nickel (dissolved)	mg/L	0.232	0.3497	0.425	0.500	0.213	0.274	0.322
Oil and Grease	mg/L	0	1.5	12*	10	0	0	0
pH	pH	6.8	7.2	7.6	6.5 - 8.5	7	7.5	7.7
Selenium (dissolved)	mg/L	0	0.0003	0.005	0.034	0	0.0002	0.002

Parameter	Unit of Measure	LDP001				LDP001 Downstream (EPL Point 13) ¹		
		Min	Mean	Max	Limit	Min	Mean	Max
Total suspended solids	mg/L	2	9.4	17	30	0	2.3	7
Turbidity	mg/L	1.4	9.9	26	50	1	3.7	11
Zinc (dissolved)	mg/L	0.017	0.082	0.148*	0.09	0.017	0.033	0.047
Electrical conductivity	µS/cm	1680	3468	4270	#	2083	3308	4120

*Note: When a sample result is reported at below the PQL for the test, half the PQL value may be used for that sample for load calculation purposes. Where 50% or more of the sample results for a particular pollutant are below the PQL, zero may be reported for those samples. * Non-compliances against Condition L2.4 (refer to Section 11 for further details). ¹ There are no concentration limits for LDP001 Downstream (EPL 13) monitoring location.*

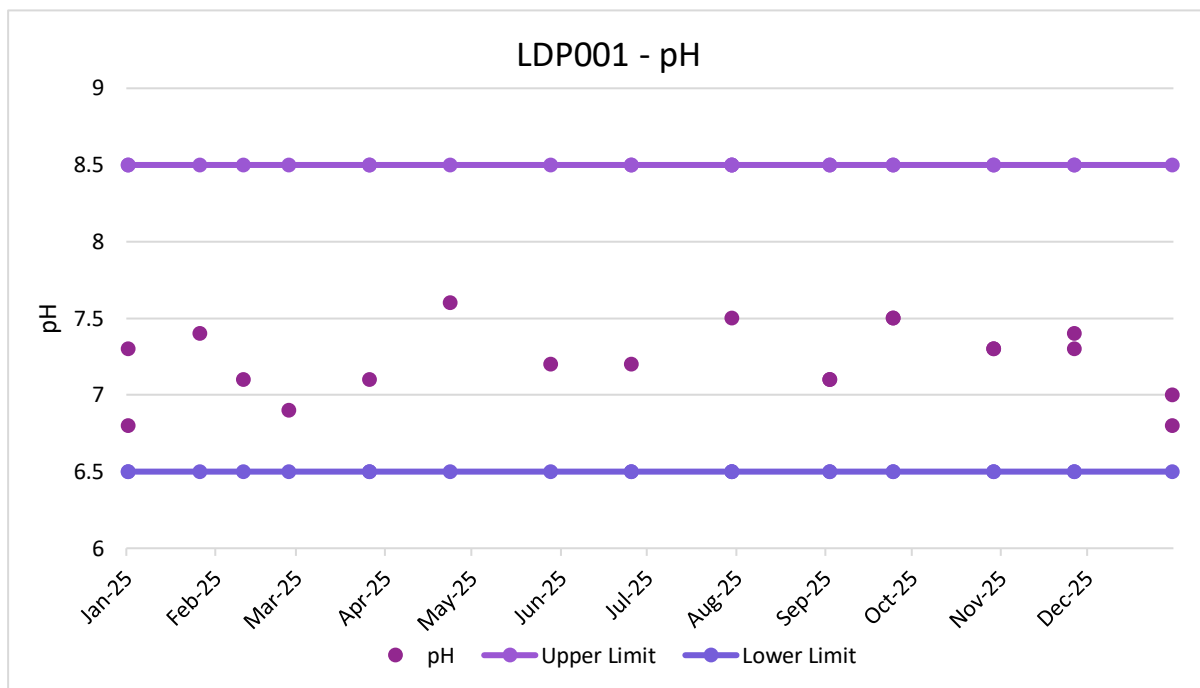


Figure 7-1: WCS LDP001 pH

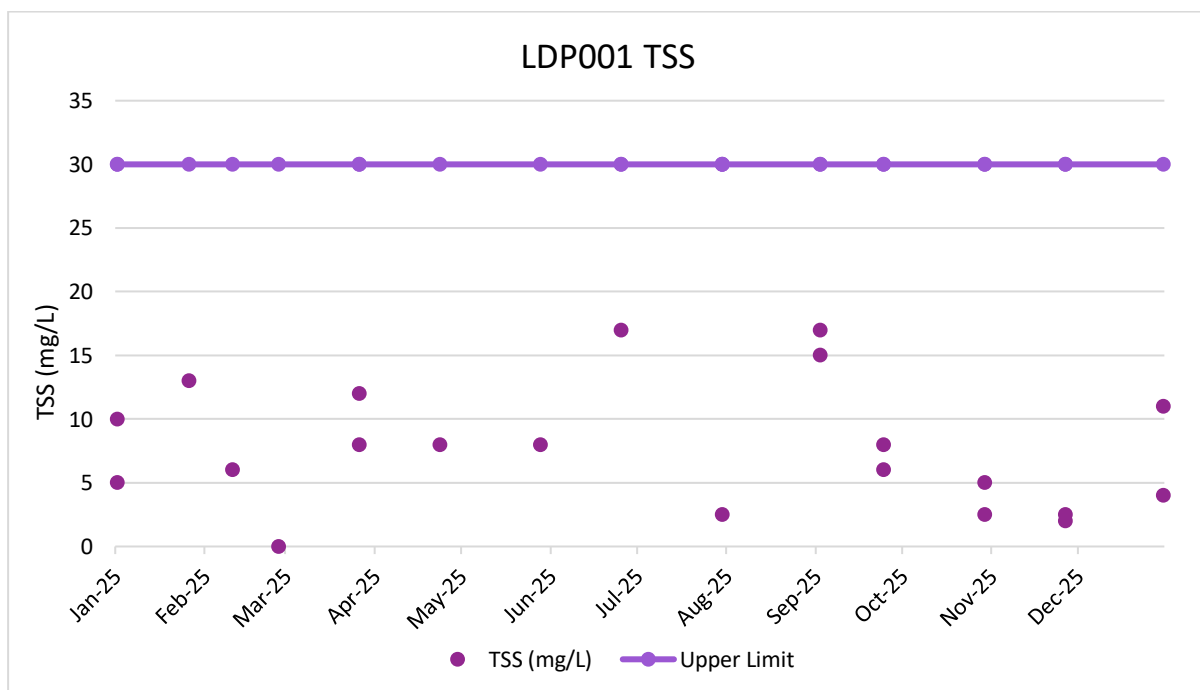


Figure 7-2: WCS LDP001 TSS

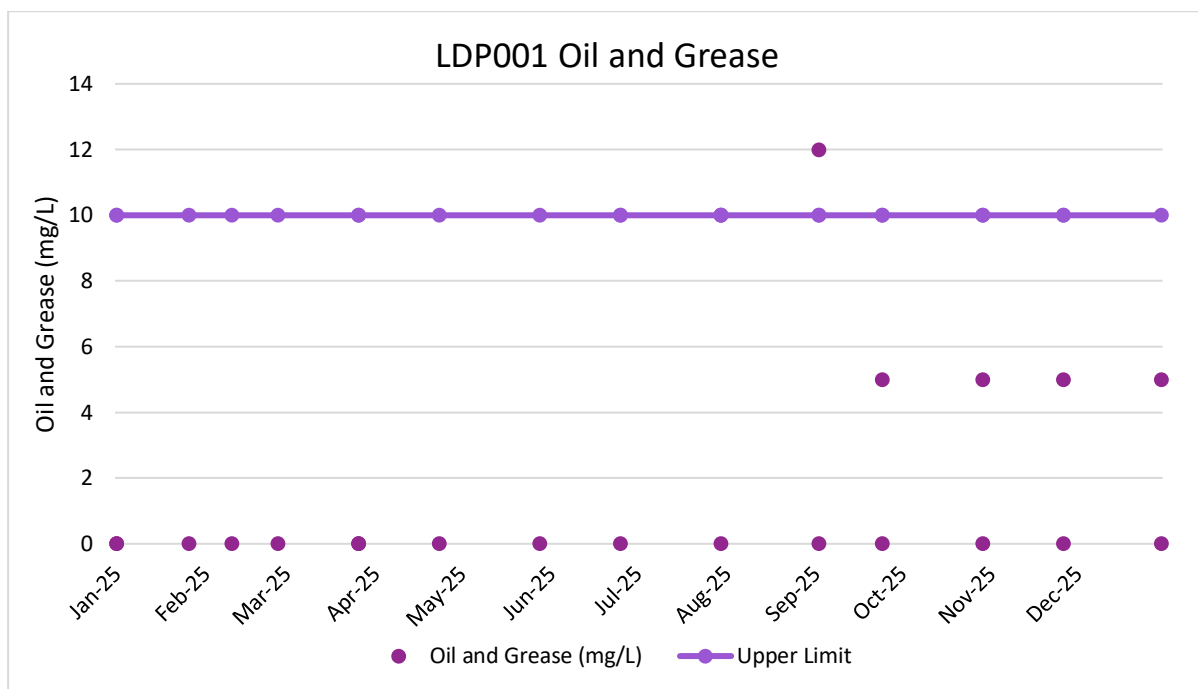


Figure 7-3: WCS LDP001 Oil & Grease

Refer to Section 11 for exceedance on 10/09/2025.

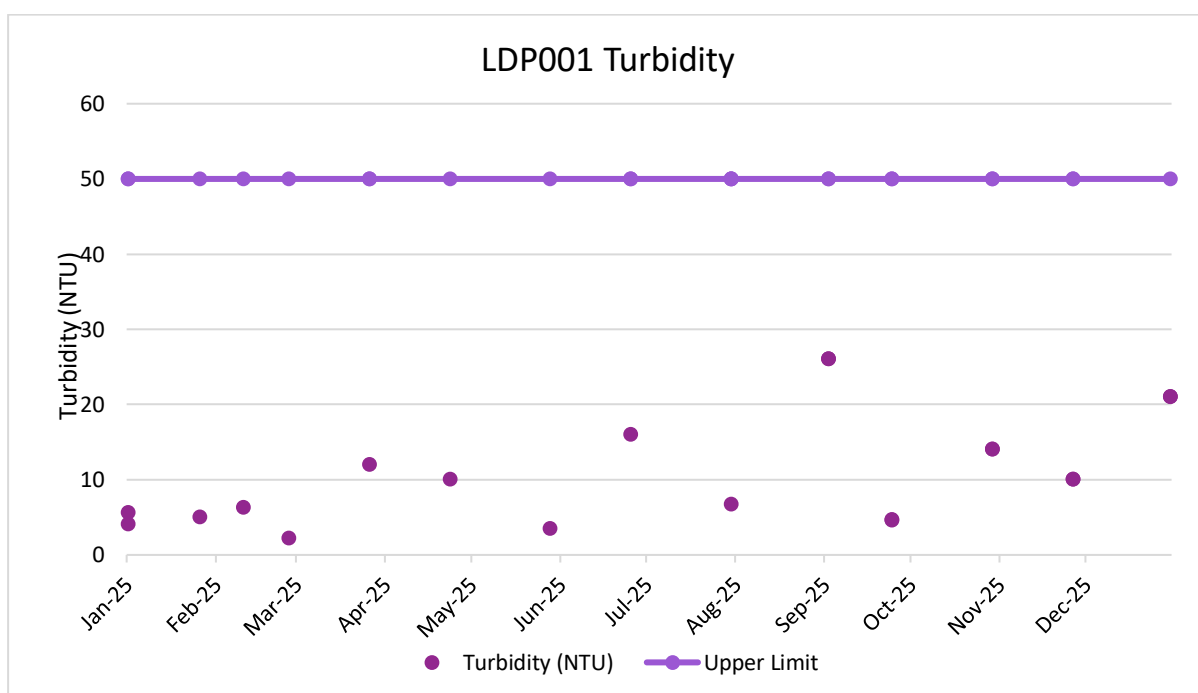


Figure 7-4: WCS LDP001 Turbidity

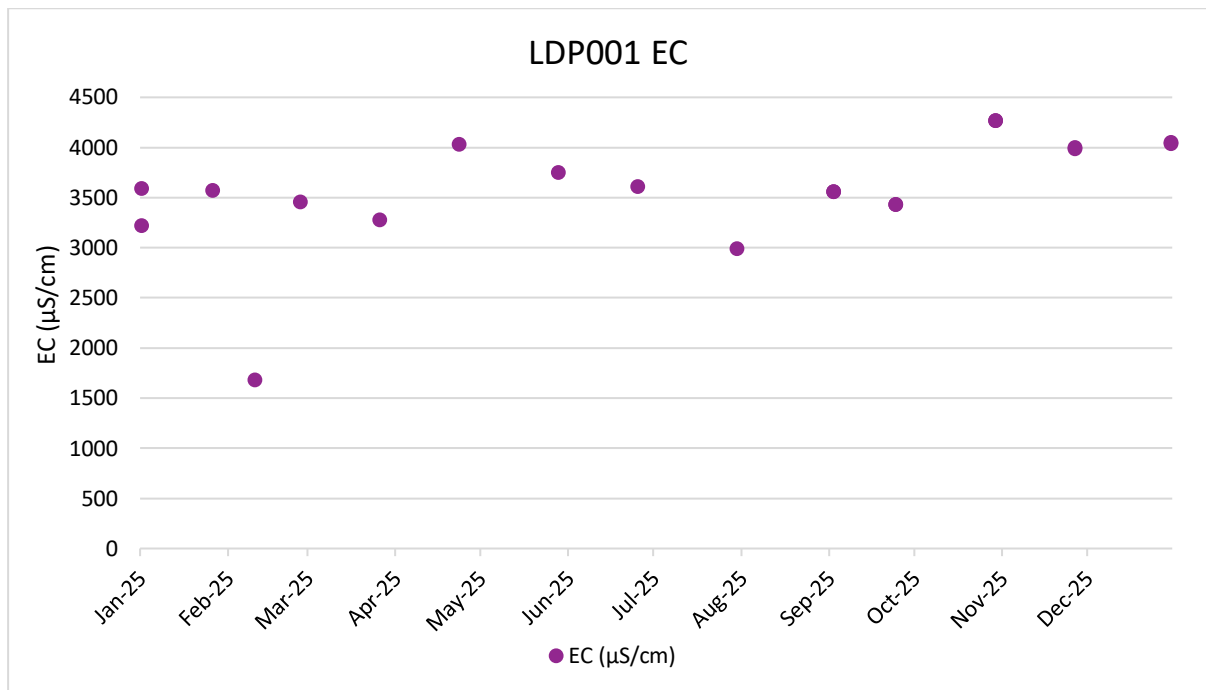


Figure 7-5: WCS LDP001 Electric Conductivity

LDP001 daily discharge volumes (ML/Day) are outlined in **Table 7-3** and **Figure 7-6**.

Table 7-3: 2025 LDP001 Discharge Volumes

Unit of Measure	Frequency	No. of measurements made	Lowest daily volume	Mean daily volume	Highest daily volume	Total annual volume
Megalitres (ML)	Daily during any discharge	365	0	2.626	6.277	958.318

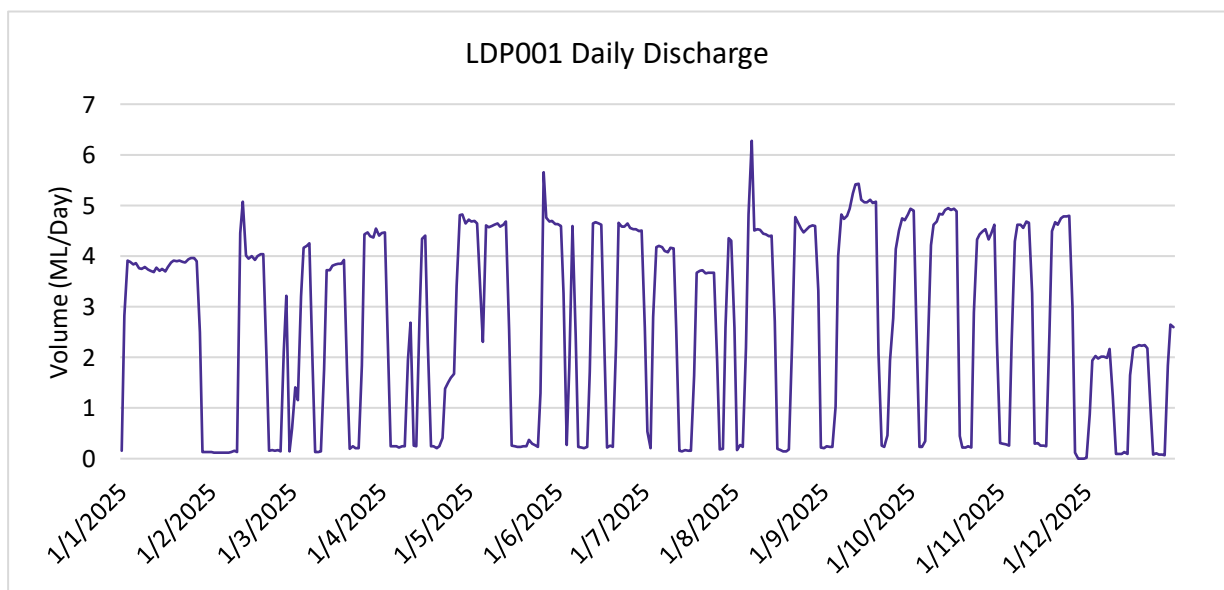


Figure 7-6: WCS LDP001 Discharge Volume Summary 2025

Surface Water

Surface water monitoring sites within Wangcol Creek were established to assess potential impact from site discharges via LDP001. Water quality monitored downstream of WCS at Wangcol Creek Far DS is assessed against SSGVs as provided in the WMP and subsequent revisions. A multi-tiered TARP within the WMP is used to manage any possible adverse impacts to either surface water or groundwater at WCS. The TARP outlines response actions to be implemented if exceedances of trigger values are identified. The results from water quality monitoring upstream and downstream within Wangcol Creek are presented in **Table 7-4**.

Table 7-4: 2025 Wangcol Creek Upstream and Downstream Water Quality Results

Parameter	Units	WC Gauge				WC U/S				WC D/S				WC Far DS			
		#	Min	Mean	Max	#	Min	Mean	Max	#	Min	Mean	Max	#	Min	Mean	Max
Physicochemical																	
EC	µS/cm	30	309	1,150	3,227	24	298	1,232	3,009	24	874	2,314	3,960	24	962	2,522	3,980
pH	-	30	6.3	7.3	7.8	24	6.5	7.2	7.7	24	6.6	7.4	8.1	24	6.9	7.5	7.9
TDS	mg/L	33	224	934	2,860	24	206	870	1,940	24	683	1,986	3,500	24	483	1,938	3,540
TSS	mg/L	33	<5	<5	10	24	<5	6	14	24	<5	<5	10	24	<5	<5	10
Turbidity	NTU	29	1.2	6.4	60	24	1.1	7.3	60	24	1.3	5.4	35	24	0.7	5	32
Nutrients																	
Ammonia	mg/L	33	0.01	0.02	0.07	24	0.01	0.02	0.05	24	0.01	0.02	0.06	24	0.01	0.027	0.06
Nitrate	mg/L	33	0.01	0.2	2.02	24	0.01	0.36	2.25	24	0.01	0.42	2.05	24	0.01	0.34	4
Nitrite	mg/L	33	0.01	0.01	0.01	24	0.01	0.01	0.01	24	<0.01	<0.01	<0.01	24	0.01	0.01	0.01
Nitrate + nitrite	mg/L	33	0.2	0.5	2.6	24	0.01	0.36	2.25	24	0.01	0.42	2.05	24	0.01	0.34	4
Total Kjeldahl	mg/L	33	0.2	0.3	0.9	24	0.2	0.3	0.7	24	0.2	0.4	0.6	24	0.2	0.5	2.3
Total Nitrogen	mg/L	33	0.2	0.5	2.6	24	0.2	0.7	2.6	24	0.2	0.8	2.6	24	0.2	0.8	5.6
Total phosphorus	mg/L	33	0.01	0.02	0.08	24	0.01	0.02	0.05	24	0.01	0.01	0.03	24	0.01	0.02	0.04
Major ions																	
Bicarbonate alkalinity	mg/L	27	38	111	197	24	37	103	167	24	60	115	195	24	60	109	159
Carbonate alkalinity	mg/L	33	<1	<1	<1	24	<1	<1	<1	24	<1	<1	<1	24	<1	<1	<1
Hydroxide alkalinity	mg/L	33	<1	<1	<1	24	<1	<1	<1	24	<1	<1	<1	24	<1	<1	<1
Total alkalinity	mg/L	33	38	111	197	24	37	103	167	24	60	115	195	24	60	109	159
Calcium	mg/L	33	14	57	147	24	14	54	110	24	40	106	181	24	38	107	182

Parameter	Units	WC Gauge				WC U/S				WC D/S				WC Far DS			
		#	Min	Mean	Max	#	Min	Mean	Max	#	Min	Mean	Max	#	Min	Mean	Max
Chloride	mg/L	33	16	91	240	24	15	89	281	24	52	168	276	24	42	166	268
Magnesium	mg/L	33	8	46	113	24	8	43	94	24	32	85	133	24	30	84	138
Potassium	mg/L	33	4	12	41	24	4	11	22	24	8	30	52	24	8	30	54
Sodium	mg/L	33	28	161	501	24	28	146	329	24	122	358	590	24	95	358	609
Sulfate	mg/L	33	81	439	1,480	24	81	405	905	24	354	1,079	1,890	24	219	1,105	1,970
Total Hardness	-	21	68	333	832	24	68	312	662	24	236	614	987	24	218	614	1,020
Dissolved metals																	
Aluminium	mg/L	33	0.0068	0.01	0.03	24	0.01	0.02	0.05	24	<0.01	0.0071	0.04	24	0.01	0.02	0.1
Boron	mg/L	33	0.06	0.28	1.12	24	<0.05	0.24	0.57	24	0.2	0.82	1.84	24	0.2	0.8	1.58
Cadmium	mg/L	33	<0.0001	<0.0001	<0.0001	24	<0.0001	<0.0001	<0.0001	24	<0.0001	<0.0001	<0.0001	24	<0.0001	<0.0001	<0.0001
Iron	mg/L	33	0.05	0.06	0.2	24	0.05	0.08	0.31	24	0.05	0.06	0.19	24	0.05	0.09	0.59
Manganese	mg/L	33	0.03	0.78	6.93	24	0.023	0.54	2.87	24	0.137	0.87	6.77	24	0.134	0.65	2.17
Nickel	mg/L	33	0.011	0.082	0.231	24	0.011	0.073	0.208	24	0.052	0.18	0.33	24	0.036	0.18	0.324
Selenium	mg/L	33	<0.004	0.01	0.01	24	<0.004	0.006	0.01	24	<0.004	0.006	0.01	24	<0.004	0.006	0.01
Zinc	mg/L	33	0.005	0.01	0.056	24	0.005	0.009	0.035	24	0.005	0.02	0.038	24	0.005	0.026	0.068
Total metals																	
Nickel	mg/L	33	0.012	0.085	0.244	24	0.012	0.078	0.237	24	0.055	0.19	0.313	24	0.002	0.180	0.343
Zinc	mg/L	33	0.005	0.011	0.033	24	0.005	0.011	0.041	24	<0.005	0.023	0.046	24	0.005	0.029	0.062
Other																	
Oil and grease	mg/L	14	<5	<5	<5	24	<5	<5	<5	24	<5	<5	<5	24	<5	<5	<5

Discharge Water (LDP002)

There were no discharge events for LDP002 during the Reporting Period.

LDP002 typically has no discharge, therefore historic data trends are not presented graphically. The EPL concentration limits and parameters for LDP002 are shown in **Table 7-5**.

During the Reporting Period water quality monitoring for LDP002 has been undertaken in accordance with EPL 21229 and the WMP. LDP002 complied with EPL limits during the Reporting Period.

Table 7-5: 2025 LDP002 Water Quality Summary

Parameter	Unit of Measure	Results	EPL limit
pH	pH units	No Discharge	6.5-8.5
TSS	mg/L	No Discharge	30
EC	µS/cm	No Discharge	-
Oil & Grease	mg/L	No Discharge	10
Turbidity	NTU	No Discharge	50

Discharge Water (LDP003)

LDP003 is located within the WCS SSD-5579 consent boundary and Angus Place EPL 467, **Figure 6-1**: . The 2024 IEA recommended LDP003 discharge data be presented in the WCS Annual Review document.

As required by EPL 467 and the Angus Place Water Management Plan July 2021, water discharged from LDP003 is tested monthly during discharge for pH, TSS, EC, Turbidity and Oil and Grease. Concentration limits for discharge events are outlined in EPL 467 Condition L2.4 Water and/or Concentration Limits (**Table 7-6**). In accordance with Condition L2.5, the concentration limits specified in EPL 467 do not apply when the discharge occurs with five (5) days after a rainfall event measuring a total of 44mm over a consecutive five (5) day period.

A summary of LDP003 water quality sampling results from discharge events during the Reporting Period, and correlating rainfall events, are presented in **Table 7-6** and in **Figure 7-7** to **Figure 7-11**.

For historical data and trends (2023 and prior), please refer to previous Angus Place Annual Reviews, available at <https://www.centennialcoal.com.au/operations/angus-place/>.

Table 7-6: 2025 LDP003 Water Quality Summary

Date of Discharge	pH	EC ($\mu\text{S}/\text{cm}$)	Turbidity (NTU)	TSS (mg/L)	Oil and Grease (mg/L)
	EPL 467 Limits				
	6.5 – 8.5	No Limit	40NTU	30 mg/L	10mg/L
12/02/2025	7.0	84	27	14	<5
24/06/2025 ¹	7.8	107	15.8	10	<5
24/06/2025	7.8	107	16	<5	<5
15/08/2025	7.1	126	7.7	<5	<5
27/08/2025	6.8	109	4.8	<5	<5
3/09/2025	7.1	108	6.4	<5	<5
3/09/2025 ¹	7.1	108	6.4	<5	<5

Note: ¹ NPI monitoring.

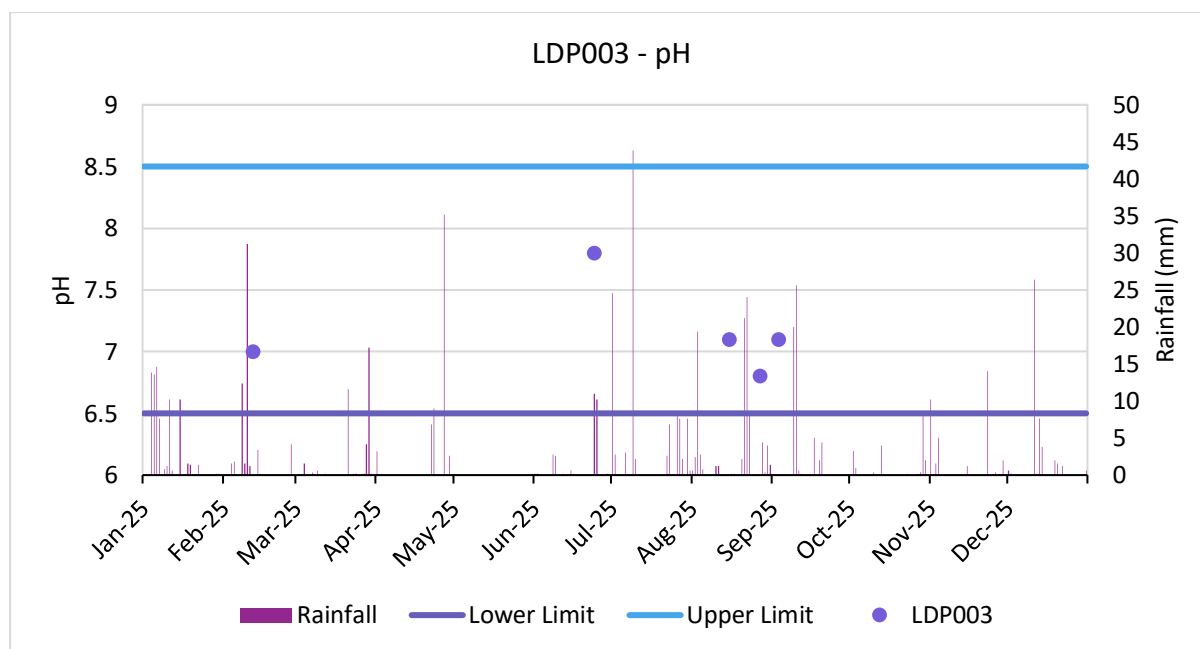


Figure 7-7: LDP003 pH 2025

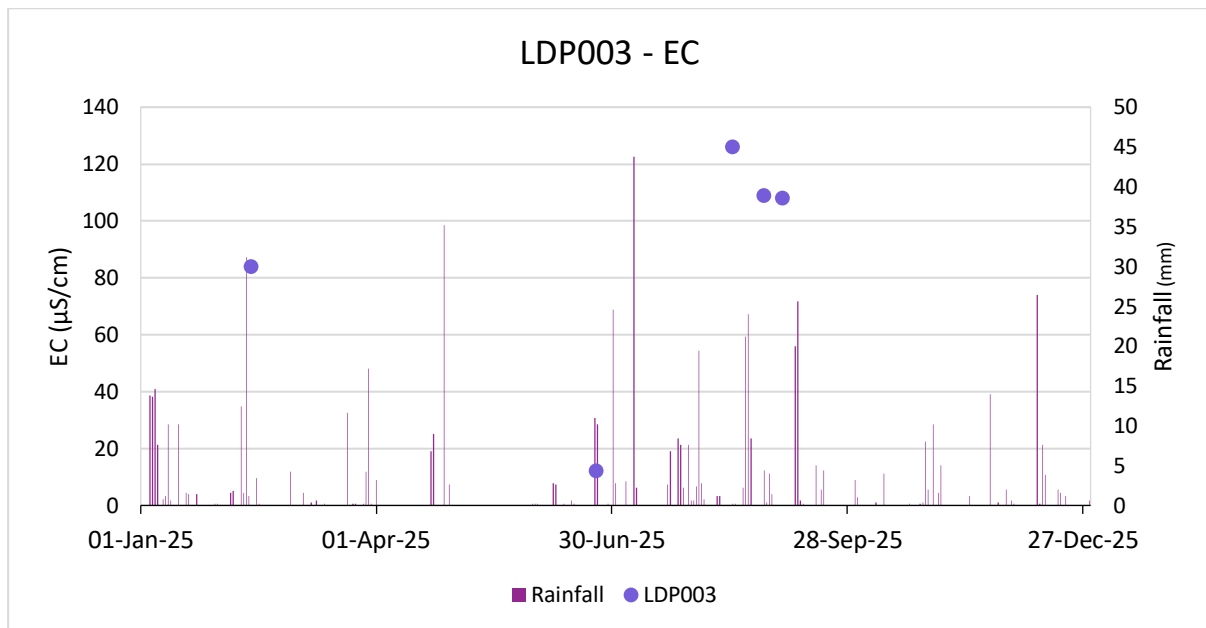


Figure 7-8: LDP003 Electric Conductivity 2025

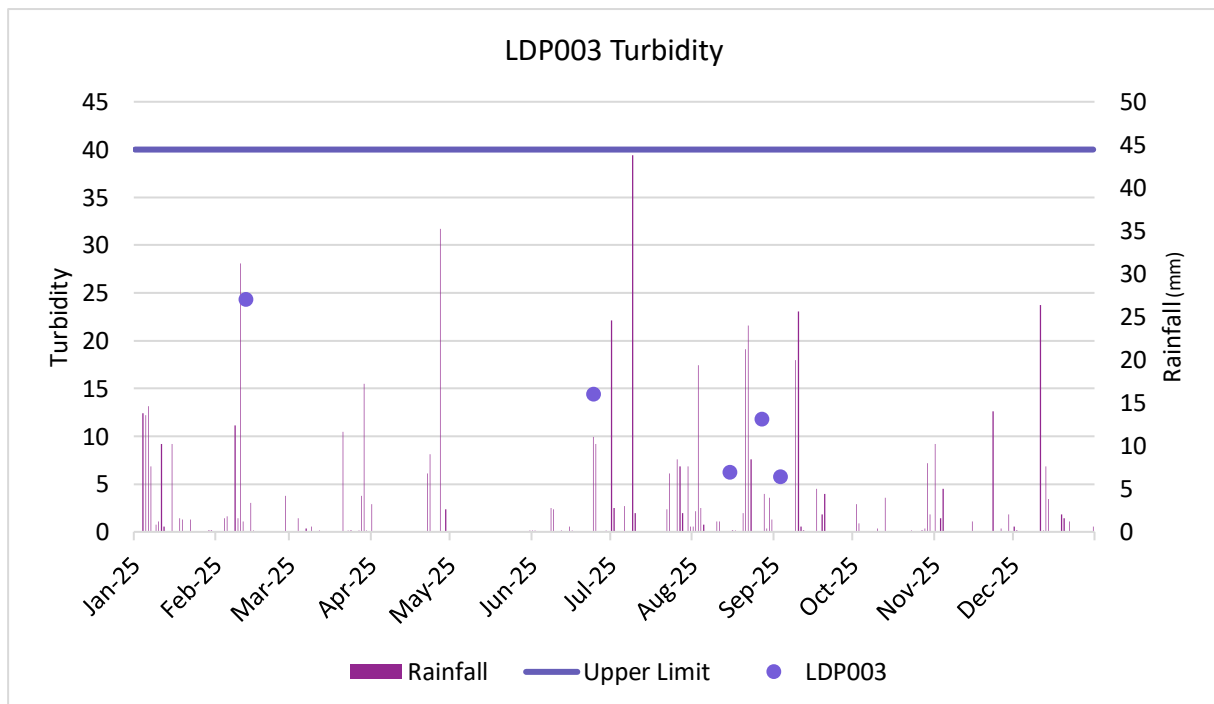


Figure 7-9: LDP003 Turbidity 2025

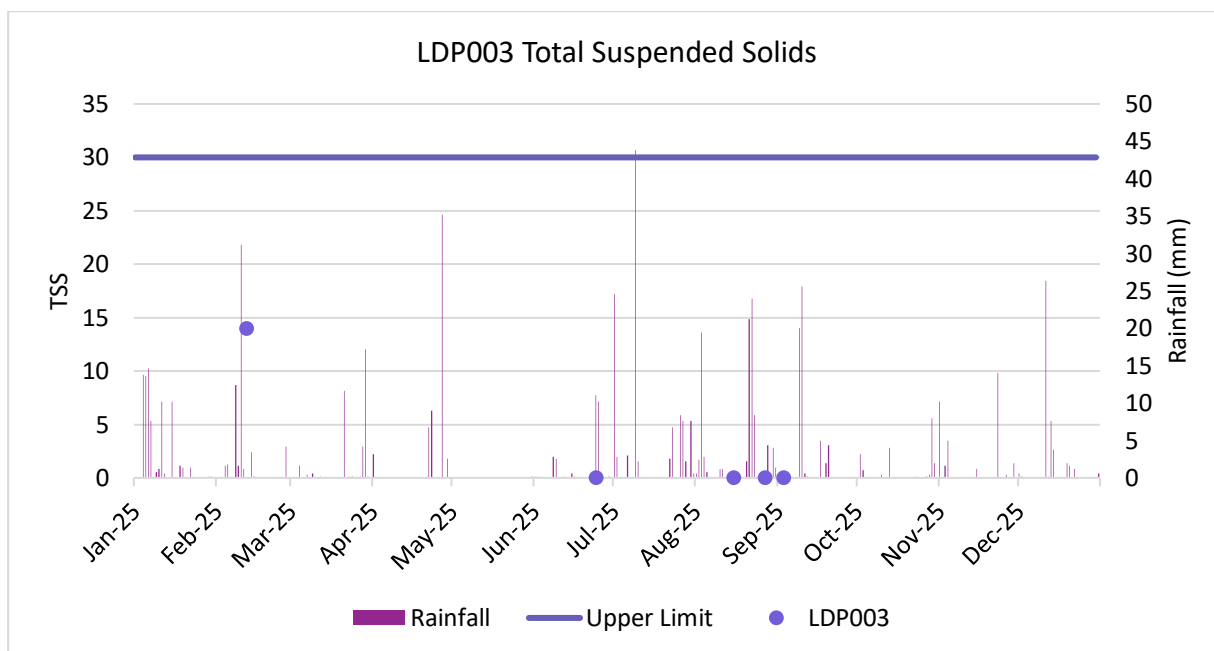


Figure 7-10: LDP003 Total Suspended Solids 2025

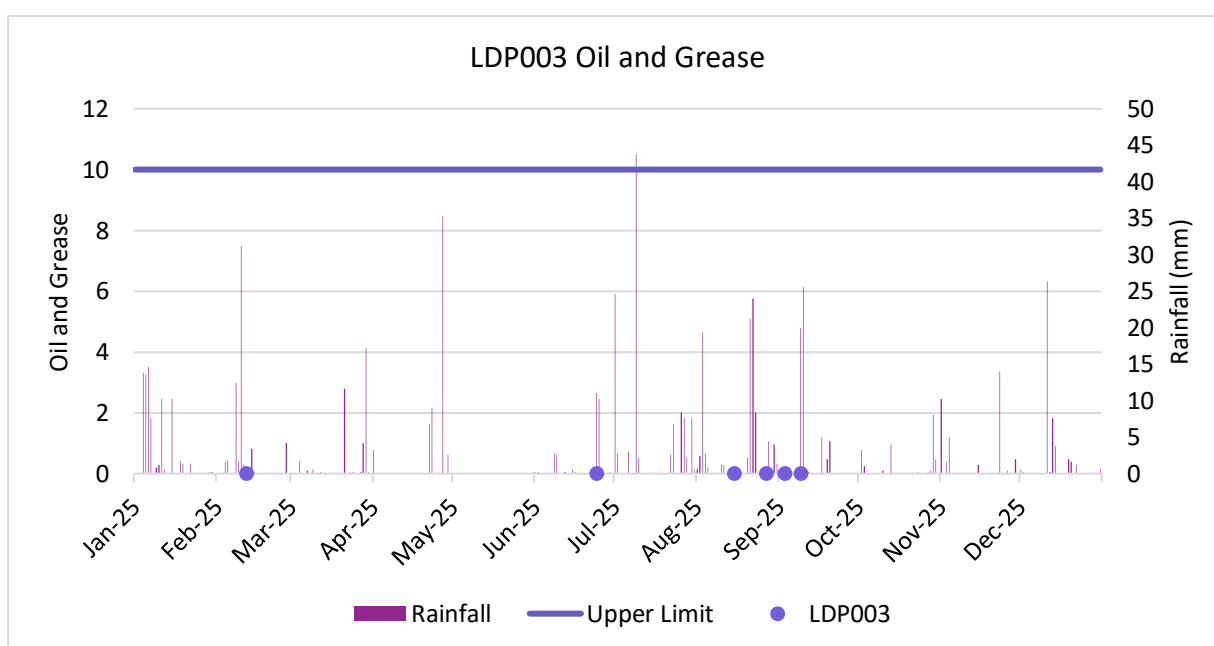


Figure 7-11: LDP003 Oil and Grease 2025

7.4.4 Implemented / Proposed Improvements

Further consultation with DPHI regarding the latest revision to the WCS WMP (Version 6) that was revised to align with MOD 4, will continue to be undertaken during the next Reporting Period as required.

Centennial will continue to consult with the EPA on the progression of the PRP and associated EPL variation request, focusing on the approval requirements for Pond Lambert and development of the Huon Gully clean water diversion works.

Centennial will undertake a review of the recommendations for surface water provided by GHD water specialists during the next Reporting Period. The site will continue to focus on the

maintenance of water management structures and soil and erosion controls to ensure ongoing compliance with the performance criteria and EPL limits applicable to WCS.

7.5 GROUNDWATER

7.5.1 Environmental Management

Groundwater monitoring is undertaken in accordance with the WMP and includes monitoring bores BH01, BH02, BH03, BH04, BH05, BH06, BH07, BH08, BH09, BH11, BH13 and BH15. Groundwater level trigger values (or 'SSGVs') are based on an exceedance of the 95th percentile historical observed groundwater level. Groundwater quality SSGVs have been developed with reference to baseline monitoring data. Groundwater quality trigger values are based on the 80th percentile historical concentrations. For pH, a range of trigger values are used based on the 20th percentile and 80th percentile historical values.

The newly developed BH11, west of H-Pit, groundwater levels have been manually monitored since July 2024 onwards, although a SSGV is yet to be derived.

7.5.2 Environmental Performance

Centennial has undertaken monitoring of both groundwater level and quality across a network of boreholes. Groundwater levels trends and investigations are summarised in **Table 7-7**. Groundwater quality review and investigations are outlined in **Table 7-8**. Groundwater quality results from manual sampling and analysis are presented in **Table 7-9**.

Table 7-7: 2025 Groundwater Level Trigger & Investigations

Monitoring well	Trigger Level (m AHD)	Maximum level 2025	Triggered (Y/N)	Investigation
BH01	909	907.29	N	NA
BH02	900	901.5	Y	level recordings exceeded the trigger level however, these levels are not considered representative due to an obstruction observed at the well. The blockage was removed 20 October, and the groundwater level has since returned below the trigger value.
BH03	904	903.82	N	NA
BH04	910	908.02	N	NA
BH05	909	907.06	N	NA
BH06	901	900.68	N	NA
BH07	909	908.28	N	NA
BH08	909	910.01	N	Groundwater levels at BH08 exceeded the trigger value, with a recorded level of 910.01 m AHD (within the historical range). No further investigation is required.
BH09	910	906.46	N	NA
BH13	910	907.64	N	NA

Table 7-8: 2025 Groundwater Quality Investigation

Monitoring well	Parameter	Investigation
BH02	Nitrate, Nitrite, NOx	It is noted that the samples collected prior to November are likely not representative due to an obstruction.
BH03	pH, Nitrite, Phosphorous	In response to these trigger events, BH03 is currently subject to further investigations.
BH04	Nitrite, Phosphorous	Trigger events attributed to organic nutrient.
	Nickel, Zinc, Iron	In response to these trigger events, BH04 is currently subject to further investigations
BH05	Nitrate, NOx	Trigger events attributed to organic nutrient.
	Zinc	Isolated trigger event, therefore, no further investigation was deemed necessary
BH06	Nitrate, NOx	Given the anomalous nature of these results, and that subsequent results were less than trigger values, no further investigation was recommended.
	Manganese	GHD (2025) found that BH06 is likely influenced by seepages from Cooks Dam, ultimately influenced by seepages from the historical underground workings. A review of dissolved manganese concentrations at Cooks Dam indicated that the concentrations are consistently higher than at BH06 indicating seepages from Cooks Dam are possibly influencing water quality at BH06.
	Iron	Dissolved iron at BH06 was highly variable in 2025 with no discernible trend. Q1 2026 results will be reviewed and investigations are to be conducted if further trigger events occur.
BH08	Nitrite	Nitrite at BH08 was highly variable in 2025 with no discernible trend. Q1 2026 results will be reviewed and investigations are to be conducted if further trigger events occur.
	Iron	Further investigation may include consultation with MPPS.
BH09 / BH11	Phosphorous	Trigger events attributed to organic nutrient.
BH11	Iron	Dissolved iron concentrations have generally exceeded the trigger values since BH11 was relocated in July 2024. No further investigation is required, though BH11 groundwater trigger values will require updating in the next WMP to reflect water quality and level at the new location.
	Nitrate, NOx	Trigger events likely inorganic source. There was no requirement for further investigation given the anomalous nature of the trigger event.

Table 7-9: 2025 Groundwater Monitoring Results

Parameter	Units	BH01				BH02				BH03				BH04			
		#	Min	Mean	Max	#	Min	Mean	Max	#	Min	Mean	Max	#	Min	Mean	Max
Physicochemical																	
EC	µS/cm	3	2,390	3,378	5,265	10	574	794	1,058	14	994	1,128	1,301	14	271	654	3,403
pH	-	3	5.8	5.8	5.9	10	6.5	6.8	7.0	14	3.1	3.6	4.1	14	6.3	6.5	7.0
TDS	mg/L	3	2,200	2,520	3,020	6	326	501	632	13	705	929	1,120	13	251	281	299
TSS	NTU	3	77	310	608	9	8	31	62	13	21	51	130	13	12	58	201
Temperature	°C	3	12.0	13.0	15.3	5	13.3	15.0	17.7	14	12.1	16.0	20.8	14	12.3	16.0	18.9
Nutrients																	
Nitrate	mg/L	3	0.04	0.06	0.08	9	0.03	0.53	2.03	13	0.01	0.56	3.80	13	0.06	0.52	2.05
Nitrite	mg/L	3	<0.01	<0.01	<0.01	9	<0.01	0.02	0.07	13	0.01	0.01	0.05	13	0.01	0.02	0.07
Nitrate + nitrite	mg/L	3	0.04	0.06	0.08	3	0.03	0.90	2.03	3	0.01	0.02	0.03	3	0.22	0.54	0.95
Total phosphorus	mg/L	3	0.04	0.39	0.99	9	0.05	0.19	0.64	13	0.01	0.04	0.07	13	0.01	0.06	0.13
Major ions																	
Bicarbonate alkalinity	mg/L	3	129	145	173	6	105	310	390	10	<1	<1	<1	13	185	201	213
Carbonate alkalinity	mg/L	3	<1	<1	<1	9	<1	<1	<1	13	<1	<1	<1	13	<1	<1	<1
Hydroxide alkalinity	mg/L	3	<1	<1	<1	9	<1	<1	<1	13	<1	<1	<1	13	<1	<1	<1
Total alkalinity	mg/L	3	129	145	173	6	105	310	390	13	<1	<1	<1	13	185	201	213
Calcium	mg/L	3	79	92	108	9	31	82	104	13	40	45	48	13	38	44	48
Chloride	mg/L	3	205	228	262	9	35	56	91	13	55	67	80	13	12	13	20
Magnesium	mg/L	3	149	166	195	9	17	39	50	13	44	51	57	13	17	20	22
Potassium	mg/L	3	9	11	12	9	4	13	22	12	5	7	21	12	9	12	19
Sodium	mg/L	3	326	367	416	9	22	30	52	13	54	60	67	13	15	16	18
Sulfate	mg/L	3	1,130	1,283	1,560	9	36	62	111	13	488	525	574	13	18	24	28
Total Hardness	mg/L	3	811	913	1,070	9	147	363	466	12	281	320	354	9	177	191	210

Parameter	Units	BH01				BH02				BH03				BH04			
		#	Min	Mean	Max	#	Min	Mean	Max	#	Min	Mean	Max	#	Min	Mean	Max
Dissolved metals																	
Iron	mg/L	3	0.51	1.10	1.50	9	<0.05	0.18	0.50	13	29.2	60.0	84.2	13	0.05	2.90	8.17
Manganese	mg/L	3	4.30	5.10	6.41	9	0.197	0.560	0.817	13	5.79	6.80	8.18	13	0.167	0.350	0.429
Nickel	mg/L	3	0.579	0.67	0.815	9	0.002	0.022	0.133	13	0.205	0.260	0.326	13	0.008	0.012	0.020
Zinc	mg/L	3	0.460	0.550	0.638	9	0.002	0.022	0.133	13	0.633	0.820	1.060	13	0.012	0.110	0.253
Total metals																	
Aluminium	mg/L	3	0.17	2.00	3.08	9	0.07	0.18	0.33	13	5.46	8.70	11.50	13	0.03	0.23	0.51
Boron	mg/L	3	0.65	0.72	0.85	9	0.05	0.05	0.10	13	<0.05	0.10	1.03	13	<0.05	0.03	0.08
Cadmium	mg/L	3	0.0002	0.0003	0.0005	9	<0.0001	0.0001	0.0002	13	0.0003	0.0004	0.0004	13	<0.0001	<0.0001	<0.0001
Iron	mg/L	3	2.41	5.70	7.95	9	0.24	0.72	1.39	13	29.2	60.0	84.2	13	0.52	4.50	9.76
Manganese	mg/L	3	4.68	5.40	6.79	9	0.225	0.590	0.901	13	5.79	6.80	8.18	13	0.179	0.370	0.443
Selenium	mg/L	3	<0.004	<0.006	<0.01	9	<0.004	0.0043	<0.01	13	<0.004	0.0045	<0.01	13	<0.004	0.005	<0.01
Zinc	mg/L	3	0.459	0.590	0.708	9	0.050	0.083	0.141	13	0.633	0.820	1.060	13	0.012	0.110	0.253

Parameter	Units	BH05				BH06				BH07			
		#	Min	Mean	Max	#	Min	Mean	Max	#	Min	Mean	Max
Physicochemical													
EC	μS/cm	14	263	412	608	14	1,474	1,852	3,428	13	1,550	1,785	2,070
pH	-	14	6.1	6.6	6.9	14	6.1	6.3	6.6	13	5.6	5.8	6
TDS	mg/L	13	161	251	328	13	1,180	1,420	1,700	12	1,360	1,689	2,020
TSS	NTU	13	8	64	324	13	14	34	56	12	49	108	214
Temperature	°C	14	13.8	16	19.5	6	12.7	15	19.8	5	11.9	14	20.1
Nutrients													

Parameter	Units	BH05				BH06				BH07			
		#	Min	Mean	Max	#	Min	Mean	Max	#	Min	Mean	Max
Nitrate	mg/L	13	0.21	1.20	4.76	13	0.02	0.35	2.6	12	0.06	0.27	1.67
Nitrite	mg/L	13	<0.01	0.01	0.02	13	<0.01	0.01	0.02	12	0.01	0.01	0.03
Nitrate + nitrite	mg/L	3	0.48	0.75	0.89	3	0.03	1.4	2.6	3	0.09	0.22	0.43
Total phosphorus	mg/L	13	<0.01	0.05	0.11	13	0.01	0.04	0.09	12	0.03	0.06	0.12
Major ions													
Bicarbonate alkalinity	mg/L	13	91	170	230	13	103	113	132	12	68	87	124
Carbonate alkalinity	mg/L	13	<1	<1	<1	13	<1	<1	<1	12	<1	<1	<1
Hydroxide alkalinity	mg/L	13	<1	<1	<1	13	<1	25	109	12	<1	<1	<1
Total alkalinity	mg/L	13	91	170	230	13	103	114	132	12	68	87	124
Calcium	mg/L	13	21	37	50	13	87	106	138	12	136	147	190
Chloride	mg/L	13	13	22	34	13	121	139	160	12	134	146	161
Magnesium	mg/L	13	12	20	26	13	63	70	81	12	132	143	155
Potassium	mg/L	13	5	9	20	12	17	21	29	11	4	8.2	19
Sodium	mg/L	13	13	18	21	13	202	221	250	12	95	102	113
Sulfate	mg/L	13	20	21	23	13	604	641	702	12	774	878	990
Total Hardness	mg/L	9	102	175	220	13	485	553	678	8	883	957	1,110
Dissolved metals													
Iron	mg/L	13	0.05	0.11	0.63	13	0.07	7.7	12.2	12	5.22	25	40.9
Manganese	mg/L	13	0.007	0.180	0.579	13	1.63	2	2.35	12	2.14	2.4	2.97
Nickel	mg/L	13	0.004	0.013	0.029	13	0.103	0.12	0.144	12	0.132	0.15	0.193

Parameter	Units	BH05				BH06				BH07			
		#	Min	Mean	Max	#	Min	Mean	Max	#	Min	Mean	Max
Zinc	mg/L	13	0.044	0.064	0.099	13	0.018	0.043	0.09	12	0.145	0.23	0.309
Total metals													
Aluminium	mg/L	13	0.01	0.23	0.39	13	0.05	0.18	0.42	12	0.1	0.55	1.61
Boron	mg/L	13	<0.05	0.03	0.07	13	0.36	0.49	0.59	12	<0.05	0.028	0.06
Cadmium	mg/L	13	<0.0001	<0.0001	<0.0001	13	<0.0001	<0.0001	<0.0001	12	0.0001	0.0001	0.0001
Iron	mg/L	13	0.05	0.82	1.87	13	3.74	8.90	12.60	12	8.53	29	42
Manganese	mg/L	13	0.004	0.200	0.647	13	1.73	2	2.27	12	2.17	2.4	2.88
Selenium	mg/L	13	<0.004	<0.01	<0.01	13	<0.004	<0.004	<0.01	12	<0.004	<0.01	<0.01
Zinc	mg/L	13	0.042	0.092	0.171	13	0.02	0.06	0.106	12	0.156	0.280	0.449

Parameter	Units	BH08				BH09				BH13			
		#	Min	Mean	Max	#	Min	Mean	Max	#	Min	Mean	Max
Physicochemical													
EC	µS/cm	14	2,354	3,720	4,590	14	2,805	4,993	29,990	2	1,541	1,598	1,655
pH	-	14	5.9	6.0	6.2	14	5.9	6.2	6.4	2	6.3	6.4	6.4
TDS	mg/L	9	2,970	3,380	3,760	13	2,330	2,560	2,900	2	1,190	1,310	1,430
TSS	NTU	13	28	66	116	13	13	62	249	2	40	52	63
Temperature	°C	14	15.4	17.0	19.9	4	14.3	16.0	19.0	2	15.3	16.0	15.8
Nutrients													
Nitrate	mg/L	13	0.01	0.81	6.66	13	0.04	0.71	4.80	2	0.09	1.60	3.09
Nitrite	mg/L	13	0.01	0.01	0.05	13	<0.01	<0.01	<0.01	2	<0.01	0.012	0.02
Nitrate + nitrite	mg/L	3	0.01	0.08	0.2	3	0.04	1.60	4.80	2	0.11	1.60	3.09

Parameter	Units	BH08				BH09				BH13			
		#	Min	Mean	Max	#	Min	Mean	Max	#	Min	Mean	Max
Total phosphorus	mg/L	13	0.01	0.04	0.09	13	<0.01	0.05	0.20	2	0.11	0.11	0.11
Major ions													
Bicarbonate alkalinity	mg/L	13	134	152	162	13	128	144	159	2	439	458	476
Carbonate alkalinity	mg/L	13	<1	<1	<1	13	<1	<1	<1	2	<1	<1	<1
Hydroxide alkalinity	mg/L	13	<1	<1	<1	13	<1	<1	<1	2	<1	<1	<1
Total alkalinity	mg/L	13	134	152	162	13	128	144	159	2	439	458	476
Calcium	mg/L	13	143	167	193	13	110	135	157	2	73	76	79
Chloride	mg/L	13	253	295	334	13	176	202	228	2	47	49	51
Magnesium	mg/L	13	120	135	152	13	97	105	123	2	100	101	102
Potassium	mg/L	12	53	61	72	13	39	46	59	2	19	25	31
Sodium	mg/L	13	563	649	723	13	421	475	562	2	180	192	203
Sulfate	mg/L	13	1,540	1,882	2,130	13	1,070	1,457	1,750	2	462	518	575
Total Hardness	mg/L	13	872	978	1,110	9	674	771	898	2	594	606	617
Dissolved metals													
Iron	mg/L	13	1.86	6.50	9.79	13	<0.05	0.44	1.53	2	1.84	5	8.14
Manganese	mg/L	13	3.34	4.70	6.22	13	0.4	1.5	3.6	2	3.2	3.3	3.4
Nickel	mg/L	13	0.392	0.490	0.559	13	0.22	0.28	0.37	2	0.1	0.11	0.11
Zinc	mg/L	13	0.175	0.220	0.263	13	0.048	0.098	0.149	2	0.036	0.039	0.043
Total metals													
Aluminium	mg/L	13	0.06	0.21	0.43	13	<0.01	0.32	0.88	2	0.07	0.09	0.10
Boron	mg/L	13	1.2	1.5	1.71	13	0.8	1.0	1.3	2	0.47	0.52	0.56
Cadmium	mg/L	13	0.0001	0.0001	0.0002	13	<0.0001	<0.0001	<0.0001	2	<0.0001	<0.0001	<0.0001
Iron	mg/L	13	5.0	7.9	10.1	13	0.09	2.10	4.25	2	4.53	7.00	9.48
Manganese	mg/L	13	3.57	4.70	6.04	13	0.45	1.50	3.47	2	3.22	3.40	3.66

Parameter	Units	BH08				BH09				BH13			
		#	Min	Mean	Max	#	Min	Mean	Max	#	Min	Mean	Max
Selenium	mg/L	13	<0.004	<0.01	<0.01	13	<0.004	<0.01	<0.01	2	<0.004	<0.004	<0.004
Zinc	mg/L	13	0.186	0.250	0.332	13	0.06	0.13	0.23	2	0.061	0.063	0.065

Parameter	Units	BH11			
		#	Min	Mean	Max
Physicochemical					
EC	µS/cm	13	874	979	1,082
pH	-	13	6.5	6.8	7.1
TDS	mg/L	12	650	698	758
TSS	NTU	12	6	22	53
Temperature	°C	5	15.1	16.0	16.2
Nutrients					
Nitrate	mg/L	12	0.01	0.54	3.19
Nitrite	mg/L	12	<0.01	0.0062	0.02
Nitrate + nitrite	mg/L	3	0.01	0.09	0.20
Total phosphorus	mg/L	12	<0.01	0.048	0.16
Major ions					
Bicarbonate alkalinity	mg/L	12	366	394	413
Carbonate alkalinity	mg/L	12	<1	<1	<1
Hydroxide alkalinity	mg/L	12	<1	<1	<1
Total alkalinity	mg/L	12	366	394	413
Calcium	mg/L	12	107	122	131
Chloride	mg/L	12	18	21	47
Magnesium	mg/L	12	40	42	44
Potassium	mg/L	12	17	25	62

Parameter	Units	BH11			
		#	Min	Mean	Max
Sodium	mg/L	12	46	50	56
Sulfate	mg/L	12	158	184	212
Total Hardness	mg/L	12	440	477	508
Dissolved metals					
Iron	mg/L	12	<0.05	1.30	1.81
Manganese	mg/L	12	0.069	0.110	0.128
Nickel	mg/L	12	0.001	0.003	0.004
Zinc	mg/L	12	<0.005	0.023	0.102
Total metals					
Aluminium	mg/L	12	0.04	0.11	0.36
Boron	mg/L	12	0.05	0.08	0.16
Cadmium	mg/L	12	<0.0001	<0.0001	<0.0001
Iron	mg/L	12	0.88	1.90	2.48
Manganese	mg/L	12	0.085	0.110	0.145
Selenium	mg/L	12	<0.004	<0.0045	<0.01
Zinc	mg/L	12	0.019	0.057	0.261

Note: BH10, BH12 and BH15 were dry throughout 2025

7.5.3 Comparison Against Predictions

Section 9.5.4.3 of the EIS presents details in the impacts predicated for the WCS project and shall be referred to for additional detail. Key findings from the water management assessment include:

- Predicted groundwater levels in the shallow aquifer and the Lithgow Seam indicate negligible impact from the Project.
- the Project would not impact on any groundwater users in the area.
- The water quality observed at LDP001 is impacted by groundwater seepages to DML and Cooks Dams.
- Apart from the increase in inflow to dams on the WCS over the life of the Project, there will be no other impacts to aquifer systems.
- No sensitive GDEs have been identified within the WCS. Any potential ecosystems associated with the Wangcol Creek would not be impacted by the Project both in relation to water quality and quantity.

EMM was engaged by Centennial to prepare the modification report for MOD 4. The report predicted the modification would result in a reduced volume and frequency of discharges to Wangcol Creek via LDP001 and that it would result in a significant reduction in the pollutant load of discharges to the receiving environment. The modification was assessed to have at least a neutral or beneficial effect on water quality within the Sydney drinking water catchment area.

7.5.4 Implemented / Proposed Improvements

Further consultation with DPHI regarding the latest revision to the WMP (Version 6) that was revised to align with MOD 4, will be undertaken during the next Reporting Period as required.

Centennial will undertake a review of the recommendations for groundwater provided by GHD water specialists during the next Reporting Period.

7.6 CHANNEL STABILITY AND STREAM HEALTH

SLR Consulting Australia Pty Ltd (SLR) were engaged by Centennial to conduct stream health and channel stability monitoring of creeks adjacent to WCS, in accordance with the WMP and the general objectives of the Coxs River Catchment Improvement and Land Management Plan (CILMP) and the Upper Coxs River Section and Monitoring Plan (UCRAMP).

Watercourse stability monitoring points are located along Lamberts Gully Creek and Wangcol Creek, **Figure 6-1**. SLR attended site from 5 to 7 August 2025 to inspect the target creeks. The monitoring results are summarised below.

- WC01 - Flow has been observed at this location during all annual inspections since 2022. The channel is observed to have erosion on both the left and right banks, potentially stabilising. Dense woodland is present on the right bank, some woodland and grass cover on the left bank. Little vegetation cover is observed along the channel bed. The canopy has a maximum width of 10 m and consists solely of the exotic tree species Radiata Pine (*Pinus radiata*). The remainder of the monitoring location is dominated by exotic grass species and herbs including, primarily African Lovegrass (*Eragrostis curvula*).

- WC02 – The creek appears to be stable. Both the left and right banks have good vegetation coverage, with some bed vegetation present. No significant erosion is observed, and due to the continued growth of reed species, the channel walls contain little to no exposed sediment. The vegetation is in very poor condition with scattered canopy and the midstorey layer limited to a small number of Eucalypt and Acacia species. The ground layer comprises of dense vegetation cover.
- WC03 - The creek appears stable with good vegetation growth. Stream banks are moderate to steeply sloped with grassland coverage on the left bank. Gully erosion of a steep batter on the left bank has occurred approximately 1 m to 2 m high. The erosion appears to have been caused by lateral flow across the bare banks, however, appears stable since 2022. The vegetation is in poor condition with the canopy of the upstream section of the monitoring location dominated by the exotic tree species Radiata Pine (*Pinus radiata*).
- LG01 – The channel consists of a broad floodplain with a slightly incised drainage line. Both banks are densely vegetated with gentle slopes and bordering flats. The creek bed appears very stable with dense vegetation cover. The canopy is continuous along the channel bank and has strong cover dominated by native species of Black Gum (*Eucalyptus aggregata*) and Snow Gum (*Eucalyptus paucifolia*). The midstorey consists of Acacia spp and regenerating Eucalyptus spp. Groundcover is dominated by native grasses such as Poa Tussock (*Poa labillardierei*).
- LG02 - Gentle flow was observed during 2025. The channel in this location has eroded on the left bank, which appears to be stabilising. The right bank and channel bed consists of exposed bedrock. Downstream is battered back and lined with geofabric to stabilise. Little vegetation is present on the banks with some vegetation coverage on lateral inflow slopes. The vegetation features a scattered canopy, including Snow Gum (*Eucalyptus paucifolia*). The midstorey is also thin with natives, while the groundcover is dominated by native grasses such as Kangaroo Grass (*Themeda triandra*).
- LG03 - Water ponding has been observed during all annual inspections since 2022. Good vegetation cover and little erosion is observed. The channel bed appears very stable. Downstream of the monitoring location, a small drainage line is directed into the creek and is lined with geofabric. Areas around and downstream of this drain appear stable, with the area draining under an access road via culverts. The vegetation features a scattered canopy, primarily of Black Gum (*Eucalyptus aggregata*) and Snow Gum (*Eucalyptus paucifolia*). The midstorey includes natives including regenerating Eucalyptus spp.
- LG04 - The channel is trapezoidal with moderately sloped banks, lined with jute mesh. This location was observed with standing water. Sparse vegetation has established on the bank with no major erosion observed. Vegetation has developed on the channel bed, however, is in poor condition and is absent of canopy or midstorey. The groundcover is dominated by exotic grass and flat weeds with a few regenerating native shrubs.
- LG05 - Located downstream of the WCS LDP001. The channel broadens into a larger pond in front of culverts beneath the Castlereagh Highway. The banks are well vegetated to the water level, however, are steep with evidence of previous erosive activity. Some good vegetation cover is located within the channel to stabilise the bed. Vegetation is in poor condition and is largely absent of canopy and midstorey vegetation. The ground cover is dominated by exotic grass such as Paspalum spp.

8 REHABILITATION

Centennial manages rehabilitation in accordance with the Rehabilitation Management Plan (RMP). This section addresses the annual rehabilitation reporting requirements as required by Schedule 5, Condition 4 (**Section 3.2**) and Schedule 3, Condition 43 of SSD-5579.

The RMP was prepared in accordance with the NSW Resources Regulator (NSW RR) Form and Way-Rehabilitation Management Plan for Large Mines (NSW RR, July 2021) required under the *Mining Regulation 2016* and submitted on the 29 July 2022 via the NSW RR Portal. In accordance with Schedule 3, Condition 45, the RMP was updated and provided for consultation in October 2025 and can be found available on the WCS website.

Annual reporting requirements in the RMP will be reported in the Annual Rehabilitation Report and Forward Program (ARR & FP) and submitted using the online form accessible via the NSW Resource Regulator's mine rehabilitation portal and published to the Centennial website.

8.1 REHABILITATION PERFORMANCE DURING THE REPORTING PERIOD

8.1.1 Summary of Rehabilitation

Table 8-1: Rehabilitation Status

Reporting Category	Mine Area Type	Previous Reporting Period (Actual) 2024 (ha)	This Reporting Period (Actual) 2025 (ha)	Next Reporting Period (Forecast) 2026 (ha)
A1 ¹	Total disturbance footprint – Surface Disturbance	155.17	155.17	155.17
B ²	Total active disturbance	89.1	89.1	89.1
C ³	Rehabilitation – Land Preparation	0	0	0
D/E ⁴	Land under active rehabilitation	28.88	28.88	28.88
F ⁵	Rehabilitation Complete	37.19	37.19	37.19

Notes: ¹**Total Mine Footprint:** All areas within a mining lease that either have at some point in time or continue to pose a rehabilitation liability due to surface disturbance activities. The total disturbance footprint is the sum of the total active disturbance, decommissioning, landform establishment, growth medium development, ecosystem and land use establishment, ecosystem and land use development and rehabilitation completion (see definitions below). ²**Total Active Disturbance:** Includes on-lease exploration areas, stripped areas ahead of mining, infrastructure areas, water management infrastructure, sewage treatment facilities, topsoil stockpile areas, access tracks and haul roads, active mining areas, waste rock emplacements (active/unshaped/in or out-of-pit), tailings dams (active/unshaped/uncapped) and temporary stabilised areas (e.g. areas sown with temporary cover crops for dust mitigation and temporary rehabilitation). ³**Rehabilitation- Land Preparation:** Includes the sum of all disturbed land within a mining lease that have commenced any, or all, of the following phases of rehabilitation - decommissioning, landform establishment and growth medium development. Refer to the glossary of terms in this document for the definition of these phases of rehabilitation. includes the sum of mine disturbed land that is under the following rehabilitation phases - decommissioning, landform establishment and growth medium development. ⁴**Land under active rehabilitation:** includes areas under rehabilitation and being managed to achieve relinquishment - includes 'ecosystem and land use establishment' and 'ecosystem and land use sustainability'. ⁵**Completed rehabilitation:** requires formal sign off from DRE that the area has successfully met the rehabilitation land use objectives or completion criteria.

Figure 8-1: WCS Rehabilitation Monitoring Locations



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REHABILITATION AREAS

FIGURE 3

As described in the RMP for WCS, the proposed post mining land use for the site varies across the Development Consent area and includes:

- Native ecosystem.
- Agricultural – grazing.
- Industrial.
- Water management areas.
- Energy Australia Ash Emplacement, and
- Lithgow City Council Waste Emplacement.

8.1.2 Rehabilitation Monitoring

SLR Consulting Australia Pty. Ltd. (SLR) was commissioned by Centennial to undertake the 2025 annual rehabilitation monitoring. The WCS rehabilitation monitoring program has been designed to measure the progress of rehabilitation against the objectives and completion criteria developed for the RMP. In accordance with the RMP criteria, results are presented according to the three main attributes of the Biodiversity Assessment Method (BAM), namely: composition, structure, and function.

Recommendations from the monitoring report will be reviewed and implemented where practicable.

Composition

A total of 89 plant species were identified during the 2025 monitoring event, comprising 81 natives and eight exotics. The rehabilitation sites are dominated by a mix of eucalypt, acacia and native shrub species, which are native to the locality, many also represented within the surrounding native forest. The 2025 survey displays a general improvement from 2024, with the diversity of native species in some rehabilitation plots higher than that of the control plots.

Structure

Native tree and shrub cover trends are generally increasing. Native groundcover varied across the monitoring plots, with R2 - R6 at or above the benchmark.

Function

- Litter cover scores are below the control plots scores in most rehabilitation plots.
- Second-generation recruitment is present in all rehabilitation plots with most plots comparable to control areas.
- Soil nutrients are generally at acceptable levels for plant growth, although organic carbon is below that of the control plots in some cases and salinity soil analytes not achieved at two rehabilitation plots R5 and R6. Organic carbon falls within or exceeds the 10th-90th percentile variation range of control plots for half the rehabilitation plots (R1, R2, R3, R4) and meets the rehabilitation completion criteria. Soil analytes for salinity and sodicity are generally similar to the control plot concentrations with only R5 and R6 not achieving salinity criteria.
- Two metrics determining the status of the decomposer microbial communities of the rehabilitation plot soils showed that those of the older rehabilitated sites from the mid-1990s (R1 – R4) were more similar to those of the control plot soils than those of the more recently rehabilitated sites from 2007 and 2008 (containing R5 – R9).

Additional Observations

- Resilience to fire and flood, exotic pest disturbance, domestic stock disturbance and native fauna activity within rehabilitation areas are considered similar to those observed at the adjacent control areas.

Assessment Against Completion Criteria

The current status of rehabilitation sites (R1, R2, R3, R4, R5, R6, R8 and R9) against the rehabilitation objectives and completion criteria is summarised in **Table 8-2**.

- Overall, the rehabilitation areas are trending towards physical landform objectives, including land surface stability and drainage performance.
- The rehabilitated areas are also free from erosion and hazardous or polluting materials.
- Ecosystem function completion criteria are not currently met at any of the rehabilitation plots. However, the data show that ecosystem function characteristics are trending towards completion.
- 2025 monitoring results are similar to those of recent year with fluctuations in vegetation diversity and cover in some plots.

Table 8-2: 2025 RMP Rehabilitation Objectives and Completion Criteria Assessment

Ecological Rehabilitation Objective	Modified Rehabilitation Completion Criteria	R1	R2	R3	R4	R5	R6	R8	R9
Vegetation composition recognisable as target vegetation community	Native plant species are characteristic of the target vegetation community(s)								
Vegetation structure recognisable as, or is trending towards target vegetation community	Cover and abundance of native plant growth forms are characteristic of target vegetation community type(s)								
Ecosystem function demonstrates rehabilitation is self-sustainable	Litter cover is within 10 th - 90 th percentile variation range of reference sites/data								
	Minimal erosion that would require moderate to significant ongoing management and maintenance. No visual signs of land instability such as mass movement								
	Second generation individuals of trees are within the 10 th - 90 th percentile variation range of reference sites								
	Foliage cover of 'high threat exotic' (HTE) weeds is within 10 th - 90 th percentile variation range of reference sites								
	Soil chemistry Total organic carbon is within 10 th - 90 th percentile variation range of reference sites; Soil analytes ECe (salinity) and ESP (sodicity) at rehab sites are similar to reference sites								
	Soil microbiology Decomposer microbial populations in the soils are similar to those of reference sites, using a metric that distinguishes	*	*	*	*				

Ecological Rehabilitation Objective	Modified Rehabilitation Completion Criteria	R1	R2	R3	R4	R5	R6	R8	R9
	soils at different stages of and in different types of mine rehabilitation. The specific parameters of the metric are: 1) the actinomycete: bacteria ratio (lower values are associated with increased soil disturbance), 2) the proportion of copiotrophic bacteria (higher values are associated with increased labile soil organic carbon), and 3) the presence of the fungus Trichoderma (an indicator of significant amounts of plant cellulosic substrates in soils).								
	Resilience to drought and fire								
	Vertebrate pest species – presence and damage is recorded and controlled.								
	Domesticated stock - presence and damage is recorded and controlled.								
	Native fauna activity – evidence of fauna habitation and/or utilisation of rehabilitation areas over time								

Notes: ¹green cells have met the RMP's draft rehabilitation objectives and completion criteria and orange is on trend. *Outside of the 10th to 90th percentile of the control sites although exceeds the control in favourable conditions.

8.1.3 Decommissioning

There were no decommissioning activities at WCS during the Reporting Period.

8.1.4 Other Rehabilitation and Land Management Activities

There were no other rehabilitation or land management activities at WCS during the Reporting Period.

8.1.5 Proposed Disturbance and Rehabilitation Activities

A key focus for Centennial in 2026 is securing the necessary post approvals required to commence the approved construction activities as outlined in MOD 4 and EPL21229 to implement the modifications to the water transfer and management system. Proposed disturbance for 2026, in accordance with the EPA PRP includes the construction of the Huon Gully Clean Water Diversion and associated infrastructure.

As identified by the BDAR for MOD 4, 15.18 ha of native vegetation is required to be disturbed within the construction envelope for DWP-B and DWP-A and the clean water diversion works. MOD 4 was approved in October 2022 and construction activities had not yet commenced.

Centennial will continue to conduct annual rehabilitation monitoring in the next Reporting Period and provide an update on the progress of rehabilitation areas against the objectives and completion criteria developed for the site.

9 COMMUNITY CONSULTATION

Centennial consults with the community through forums such as the Centennial Western Region Community Consultative Committee (CCC) and community organised events. Meetings of the CCC were held on 11 March 2025, 10 June 2025, 16 September 2025 and 9 December 2025.

Appointed community representatives, relevant government organisations and company representatives attended the meetings. A detailed presentation was provided to the attendees at each CCC meeting on the operational activities at the site. Copies of all presentations are available in the Centennial Website³. Key agenda items discussed are list below:

- Ongoing inspections, monitoring, reporting and compliance activities;
- EPL 21229 Pollution Studies and Reduction Program, licence variation and EPA Consultation;
- Updates of any non-compliances and community complaints;
- Cultural Heritage inspections and salvage activities; and
- Blackberry Spraying and Site Ground Maintenance Program.

Centennial will continue to engage with the local community through the CCC during the next Reporting Period.

9.1 COMMUNITY COMPLAINTS

There were three community complaints during the Reporting Period related to noise. Long terms trends in complaints are presented in **Table 9-1**. A complaint register is made publicly available on the Centennial Coal website³ in accordance with Schedule 5 Condition 11 of SSD-5579.

Table 9-1: Record of Annual Community Complaints for 2021 to 2025

Community Complaints						
Year	Air	Water	Noise	Waste	Other	Total
2021	0	0	0	0	0	0
2022	0	0	5	0	0	5
2023	0	0	5	0	0	5
2024	0	0	3	0	0	3
2025	0	1	2	0	0	3

9.1.1 Community Information Line

A community information line was maintained for site to receive calls from the local community. The line (ph: **6355 9500**) operates 24 hours a day, 7 days a week.

³ <https://www.centennialcoal.com.au/operations/western-coal-services>

10 INDEPENDENT ENVIRONMENTAL AUDIT

10.1 ENVIRONMENTAL MANAGEMENT

In accordance with Schedule 5, Condition 9 of SSD-5579, by the end of December 2015 and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit (IEA) of the development.

10.2 ENVIRONMENTAL PERFORMANCE

Centennial completed the 2024 WCS IEA on 25 to 27 November 2024. The IEA was completed by the approved auditors Chris Jones and Jessica Coffrey of IEMA.

In accordance with Schedule 5, Condition 10 of SSD-5579, the auditors endorsement letter, dated 8 October 2024, a copy of the IEA Report and Western Coal Services response to the audit recommendations was submitted to the Department on 25 February 2025. A Copy of the IEA and the recommendations are available at [Western Coal Services | Centennial Coal](#).

The 2024 IEA reviewed the consent and associated Statement of Commitment (SoCs), Environmental Protection Licences, Environmental Management Plans and the status of previous IEA recommendation. A summary of the IEA Outcomes is provided in **Table 10-1**.

Table 10-1: 2024 Audit compliance summary

	Compliant	Not Triggered	Non-Compliance	Total
SSD-5579	44	37	5	86
SoCs	6	26	2	34
EPL21229	57	14	2	73
EPL 467 (LDP003 Conditions)	9	4	4	17
Old Mining Leases	92	145	0	237
New Mining Leases	12	24	0	36
Mining Amendment	33	13	4	50
Total	253	263	17	533

Table 10-2 provides the Centennial non-compliances and recommendations as outlined in Table 10 of the 2024 IEA and **Table 10-3** provides the Western Coal Services response to the IEA additional improvement opportunities.

In accordance with Schedule 5, Condition 9 of SSD-5579, WCS will schedule and undertake the next an Independent Environmental Audit in 2027 and a copy of the audit report will be provided to DPHI.

Table 10-2: 2024 IEA Non-Compliances and Recommendations

Schedule and Condition Number	Condition	IEA- Recommendations	Western Coal Services Response/ Action Plan	Timeframe for Completion of Action	2025 AR Update
WCS Approval SSD-5579					
Schedule 3, Condition 8A	Residual Waste The Applicant must not receive or emplace more than 0.35 megalitres per day (annual average) or 0.43 megalitres per day (daily maximum) of residual waste from the Springvale Water Treatment Project.	No further action.	No further action.	NA	NA
Schedule 3, Condition 17	Air Quality Management Plan The Applicant must prepare and implement an Air Quality Management Plan for the development to the satisfaction of the Secretary.	No further action.	No further action.	NA	NA
Schedule 3, Condition 24	Water Management Plan The Applicant must prepare and implement a Water Management Plan for the development to the satisfaction of the Secretary.	NC REC 1 Complete a full review of ESC along the OL2 conveyor which includes coal cleanup where coal leaves the project boundary, and effective ESC as per the Blue Book.	WCS NC REC 1 Complete a full review of ESC along the OL2 conveyor which includes coal cleanup where coal leaves the project boundary, and effective ESC as per the Blue Book.	31 July 2026	Ongoing
		NC REC 2 Complete ESC review along the Transfer Tower 3 area, as there is a risk that material can leave site and enter EA land.	WCS NC REC 2 Complete ESC review along the Transfer Tower 3 area, as there is a risk that material can leave site and enter EA land.	31 December 2025 (align with EPL 21229 PRP)	Ongoing - WCS submitted an EPL variation on 28/11/2025 to extend the timeframe project description and timeframes associated with the PRP.
		IMP REC 2 Desilt the CHPP Stockpile dam to ensure it meets Blue Book capacity.	WCS IMP REC 2 Desilt the CHPP Stockpile dam.	27 June 2025	Complete - 27/06/2025

Schedule and Condition Number	Condition	IEA- Recommendations	Western Coal Services Response/ Action Plan	Timeframe for Completion of Action	2025 AR Update
		IMP REC 3 When the site completes the Huon Gully area major upgrades, review the overall clean and dirty water management system. The Water Management Plan should be updated based on these proposed improvements.	WCS IMP REC 3 When the Huon Gully area major upgrades are undertaken, review the overall clean and dirty water management system /reporting to this area.	31 December 2025 (align with EPL 21229 PRP)	Ongoing - WCS submitted an EPL variation on 28/11/2025 to extend the project description and timeframes associated with the PRP.
		IMP REC 4: Kerosene Vale • Repair the main drainage line section of washout at Kerosene Vale. • Liaise with GPM around the management of ESC/water between the two operations, as currently water/sediment from GPM land can enter Centennial land (Kerosene Vale). The goal should be not have water from GPM flowing onto SSD-5579 land.	WCS IMP REC 4: Kerosene Vale • Repair the main drainage line section of washout at Kerosene Vale. • Liaise with GPM around the management of ESC/water between the two operations, as currently water/sediment from GPM land can enter Centennial land (Kerosene Vale).	31 December 2025	Complete – Sediment Control and drainage rectifications works completed throughout 2025.
		IMP REC 5 LDP002 - review survey and potential location of the discharge point. From the field inspection it appears the actual low point is in a different location to the concrete spillway (its currently higher). The discharge point needs to be clearly defined and has the ability to obtain a grab sample.	WCS IMP REC 5 LDP002 - conduct survey and potential location of the discharge point. From the field inspection it appears the actual low point is in a different location to the concrete spillway (its currently higher). The discharge point needs to be clearly defined and has the ability to obtain a grab sample.	29 August 2025	Complete – The survey was conducted on 06/03/2025
		IMP REC 6 As per GHD's recommendation in the most recent Water	GHD have been commissioned to commence the review of the Water	31 May 2025	Ongoing – On 27/05/2025, WCS sought an extension to this

Schedule and Condition Number	Condition	IEA- Recommendations	Western Coal Services Response/ Action Plan	Timeframe for Completion of Action	2025 AR Update
		Quality Report, a review of the existing trigger values is recommended in the next Water Management Plan revision to improve their effectiveness. This review should consider baseline data and incorporate water quality objectives to establish more effective and relevant guideline values. Incorporate the revised triggers in the Revision of the Water Management Plan being undertaken in accordance with the revised PRP on EPL21229.	Management Plan in accordance with the EPL PRP and extension letter from DPHI dated 28 January 2025. WCS IMP REC 6 The next version of the Water Management Plan is to include a review of the existing trigger values.		timeframe from DPHI. This was granted and extended until 31/12/2025. Due to ongoing consultation with the EPA regarding the project descriptions and timeframes, on 18/12/2025 WCS sought an additional extension from DPHI. At the time of writing, no formal extension has been granted.
		IMP REC 7 The timing needs to change in relation to investigation and reporting of surface water and groundwater triggers from the Water Management Plan. In the current Master spreadsheet, Centennial should develop a separate tab/prompt of triggers, to enable timely review of exceedances. This revision should be undertaken as part of the PRP work.	WCS IMP REC 7 To enable timely review of surface and groundwater triggers from the Water Management Plan (WMP), Centennial will develop an additional spreadsheet to review surface water and groundwater quality and level data monthly against the trigger values in the WMP.	28 April 2025	Complete – In April, the specialist water contractor commenced monthly reviews of surface and groundwater and identifies exceedances in a monthly investigation report. This action is ongoing.
		IMP REC 8 The specialist water monitoring report process could be streamlined to ensure more timely completion by the specialist. Currently, there is a significant delay between monitoring event triggers and	WCS IMP REC 8 The specialist water monitoring report process will be streamlined to ensure more timely completion by the specialist. Surface and groundwater quality and level data will be reviewed monthly	28 April 2025	

Schedule and Condition Number	Condition	IEA- Recommendations	Western Coal Services Response/ Action Plan	Timeframe for Completion of Action	2025 AR Update
		the preparation of the report. A larger report with all data could be completed annually as part of the Annual Review.	and any exceedances identified will be reported in a monthly investigation report. A larger report will be complied Annual to inform the Annual Review.		
Schedule 3, Condition 45	Rehabilitation Management Plan The Applicant must prepare a Rehabilitation Management Plan for the development, in accordance with the provisions of the Mining Act 1992. The plan must be prepared in consultation with the Department, EPA, DPE Water, WaterNSW, BCD, the CCC and LCC.	NC REC 3 For the next update to the RMP ensure Centennial consults with the Department, EPA, DPE Water, WaterNSW, BCD, the CCC and LCC. Also include Schedule 3 Condition 45 within the RMP document.	NC REC 3 The RMP will be updated in 2025 and include consultation with the Departments as required by Schedule 3 Condition 45	31 December 2025	Complete – The WCS RMP was updated and provided for consultation on 16/10/2025. The RMP requires a further review to incorporate the consultation outcomes.
Schedule 5, Condition 7	Incident Reporting The Applicant must immediately notify the Secretary and any other relevant agencies of any incident that has caused, or threatens to cause, material harm to the environment. For any other incident associated with the development, the Applicant must notify the Secretary and any other relevant agencies as soon as practicable after the Applicant becomes aware of the incident. Within 7 days of the date of the incident, the Applicant must provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.	No further recommendations.	No further action.	NA	NA
Statement of Commitments (Mod 4)					
3.1	Removal of the northern two thirds of the existing Co-Disposal REA at the Springvale Coal Services Site within five years of Project Approval.	No further recommendations.	No further action.	NA	NA
5.3	Within 5 years of the date of the Project Approval, complete the separation of clean and dirty water at the Springvale Coal Services Site.	No further recommendations.	No further action.	NA	NA

Schedule and Condition Number	Condition	IEA- Recommendations	Western Coal Services Response/ Action Plan	Timeframe for Completion of Action	2025 AR Update
	The design will include the diversion of upstream catchments of Huon Gully around the new REA. The sub-catchment containing the existing A Pit REA (previously the Lambert Gully upstream of the Springvale Coal Services Site Open Cut) as well as the new REA will be diverted into the New Sediment Dam. This sub-catchment currently discharges to Huon Gully without treatment and the staged bypass and therefore the proposed change will lead to improved water quality in Huon Gully. Following remediation of the new REA, this sub-catchment of Huon Gully will be restored.				
EPL 21229 (WCS)					
L4.1	The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled "Waste" and meeting the definition, if any, in the column titled "Description" in the table below. Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled "Activity" in the table below. Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled "Other Limits" in the table below. This condition does not limit any other conditions in this licence.	No further recommendations.	No further action.	NA	NA
M2.2	Air monitoring requirements for Points 4, 5, 6, 7 Pollutant: Particulates – Deposited Matter Units of Measure: grams per square meter per month Frequency: Monthly Sampling Method: AM-19	No further recommendations.	No further action.	NA	NA
EPL 467 (Kerosene Vale)					

Schedule and Condition Number	Condition	IEA- Recommendations	Western Coal Services Response/ Action Plan	Timeframe for Completion of Action	2025 AR Update																														
L2.4	Water and/or Land Concentration Limits <table><tr><th>Pollutant</th><th>Units of Measure</th><th>50 percentile concentration limit</th><th>90 percentile concentration limit</th><th>3DGM concentration limit</th><th>100 percentile concentration limit</th></tr><tr><td>Oil and Grease</td><td>milligrams per litre</td><td></td><td></td><td></td><td>10</td></tr><tr><td>pH</td><td>pH</td><td></td><td></td><td></td><td>6.5-8.5</td></tr><tr><td>Total suspended solids</td><td>milligrams per litre</td><td></td><td></td><td></td><td>30</td></tr><tr><td>Turbidity</td><td>nephelometric turbidity units</td><td></td><td></td><td></td><td>40</td></tr></table>	Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit	Oil and Grease	milligrams per litre				10	pH	pH				6.5-8.5	Total suspended solids	milligrams per litre				30	Turbidity	nephelometric turbidity units				40	IMP REC 14 The current Annual Review for Angus Place is difficult to follow in relation to water quality at LDP003. We recommend having all LDP003 results in the Annual Review documentation (table format), more details on results when rainfall is above the criteria threshold. The site could also improve the 'LDP003 discharge information' spreadsheet to have all relevant data to assess against criteria. Only have the wording of non - compliance when it is actually triggered based on the results and the rainfall thresholds. Otherwise there is an exceedance of criteria, which is allowed based on rainfall thresholds.	IMP REC 14 The WCS Annual Review is to include the results for Angus Place LDP003 and include additional information to include more information regarding rainfall above the criteria threshold.	31 March 2025	Complete - Refer to Section 7.4 of this Annual Review
Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit																														
Oil and Grease	milligrams per litre				10																														
pH	pH				6.5-8.5																														
Total suspended solids	milligrams per litre				30																														
Turbidity	nephelometric turbidity units				40																														
M2.3	Water and/or Land Monitoring Requirements POINT 3 <table><tr><th>Pollutant</th><th>Units of measure</th><th>Frequency</th><th>Sampling Method</th></tr><tr><td>Conductivity</td><td>microsiemens per centimetre</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>Oil and Grease</td><td>milligrams per litre</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>pH</td><td>pH</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>Total suspended solids</td><td>milligrams per litre</td><td>Monthly during discharge</td><td>Grab sample</td></tr><tr><td>Turbidity</td><td>nephelometric turbidity units</td><td>Monthly during discharge</td><td>Grab sample</td></tr></table>	Pollutant	Units of measure	Frequency	Sampling Method	Conductivity	microsiemens per centimetre	Monthly during discharge	Grab sample	Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample	pH	pH	Monthly during discharge	Grab sample	Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample	Turbidity	nephelometric turbidity units	Monthly during discharge	Grab sample	No further recommendations.	No further action.	NA	NA						
Pollutant	Units of measure	Frequency	Sampling Method																																
Conductivity	microsiemens per centimetre	Monthly during discharge	Grab sample																																
Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample																																
pH	pH	Monthly during discharge	Grab sample																																
Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample																																
Turbidity	nephelometric turbidity units	Monthly during discharge	Grab sample																																
R2.1	Notification of Environmental Harm (R2.1 and 2.2) The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of	No further recommendations.	No further action.	NA	NA																														

Schedule and Condition Number	Condition	IEA- Recommendations	Western Coal Services Response/ Action Plan	Timeframe for Completion of Action	2025 AR Update
	the incident in accordance with the requirements of Part 5.7 of the Act. Notifications must be made by telephoning the Environment Line service on 131 555.				
R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.	No further recommendations.	No further action.	NA	NA
Mining Amendment (Standard Conditions of Mining Leases—Rehabilitation) Regulation 2021					
13.1	The holder of a mining lease must prepare a program (a forward program) for the mining lease.	No further recommendations.	No further action.	NA	NA
13.2	The holder of a mining lease must prepare a report (an annual rehabilitation report) for the mining lease.	No further recommendations.	No further action.	NA	NA
15.1	The holder of a mining lease must do the following before the end of the initial period— (a) prepare a rehabilitation management plan, and (b) prepare rehabilitation outcome documents and give them, other than the rehabilitation completion criteria statement, to the Secretary for approval, and (c) prepare a forward program and give it to the Secretary.	No further recommendations.	No further action.	NA	NA
15.2	"The holder of the mining lease must prepare a forward program and annual rehabilitation report and give them to the Secretary.	No further recommendations.	No further action.	NA	NA

Table 10-3: Additional Recommendations from 2024 IEA

Aspect	Condition Reference	IEA- Recommendation	Western Coal Services Response/ Action Plan	Timeframe for completion of action	2024 AR Update
Water	SSD-5579 Schedule 3 Condition 20	Incidents relating to water management should be managed as per the Water Management Plan requirements and PIRMP (if triggered). This includes incident notification, response and reporting. If a water management incident occurred again like the pump failure or uncontrolled discharges, we would recommend a more detailed incident investigation. This would involve water sampling of the discharge location as soon as you find out about the incident as well as laboratory analysis of the upstream and downstream monitoring locations.	WCS IMP REC 1 A new procedure is to be developed for LDP003 at Angus Place to assist the site in understanding the incident notification, response and reporting requirements.	30 June 2025	Complete – Angus Place Water Management Procedure developed 24/06/2025.
Biodiversity	SSD-5579 Schedule 3 Condition 27	Liaise with DPHI and propose that the RHCIP be a summary of completed riparian habitat and catchment improvement works and focus on the maintenance of the area going forward. We recommend a consolidated, simple document.	WCS IMP REC 9 SCS is to submit an updated RHCIP to DPHI for approval.	22 June 2025	Ongoing – 20/06/2025 WCS provided an update to DPHI regarding the status of the RHCIP. DPHI acknowledges WCS approaches to review the RHCIP currency prior to re-submitting by 30/06/2026.
Heritage	SSD-5579 Schedule 3 Condition 32	As per EMM (February 2024 Report) • Fencing at AHIMS #45-1-2823 should be replaced as it is currently in poor condition. • Fencing at AHIMS #45-1-0210 should be installed at the coordinates provided in Table 2.1 of the EMM Report (2024) • Appropriate signage designating these areas as 'Heritage items' should be installed with the fencing.	IMP REC 10 The following actions will be carried out in accordance with the EMM (February 2024 Report) • Fencing at AHIMS #45-1-2823 should be replaced as it is currently in poor condition. • Fencing at AHIMS #45-1-0210 should be installed at the coordinates provided in Table 2.1 of the EMM Report (2024)	30 May 2025	Complete – April 2025

			• Appropriate signage designating these areas as 'Heritage items' should be installed with the fencing.		
		Update the ACHMP to include the new heritage locations found at WCS. Implement the actions from the ACHMP if salvage is required.	The ACHMP has been updated and distributed for consultation to include the new heritage locations. Once consultation has been received the ACHMP will be updated and submitted to DPHI for approval. IMP REC 11 The updated ACHMP with the new heritage locations found at WCS will be submitted to DPHI for Approval.	22 June 2025	Complete – Submitted to DPHI on 20/05/2025. DPHI approval received 04/06/2025
Rehabilitation	SSD-5579 Schedule 3 Condition 43	Update the rehabilitation monitoring reports in the future to include an assessment of rehabilitation monitoring against rehabilitation objectives in S3C43 of the consent. That will allow an assessment against Planning and RR requirements. In particular these two objectives: Site as a whole: • Safe, stable and non-polluting • Constructed landforms drain to the natural environment • Minimise visual impact of final landforms as far as is reasonable and feasible. Remainder of the SCSS Restore ecosystem function, including maintaining or establishing self-sustaining ecosystems comprising: • a wildlife corridor (shown as Additional Rehabilitation Initiatives in the figure in Appendix 7); • local native plant species; and • a landform consistent with the surrounding environment	IMP REC 12 The consultants will be requested to include an assessment of rehabilitation monitoring against rehabilitation objectives in S3C43 of the consent in the rehabilitation monitoring reports in accordance with the 2024 IEA IMP REC 12.	31 March 2026	Ongoing
Reporting	SSD-5579 Schedule 5 Condition 4	Include the Kerosene Vale non-compliances in the WCS Annual Review (as these occur within the SSD-5579 boundary). Remove discussion of non - compliances within the Angus Place Annual Review.	IMP REC 14 Kerosene Vale non-compliances are to be included in the WCS Annual Review, and remove from the Angus Place Annual Review	31 March 2025	Refer to Section 7.4 and Section 11 of this Annual Review

11 INCIDENTS AND NON-COMPLIANCES DURING THE REPORTING PERIOD

During the 2025 Reporting Period there were a total of 12 reportable incidents and non-compliances (excluding community complaints). A summary of reportable incidents and regulatory actions is provided in **Table 11-1** and the non-compliances for the Reporting Period are presented in **Table 11-2**.

This section refers to non-compliances and incidents reported during the Reporting Period. The IEA period non-compliances have been discussed in **Section 10**.

Table 11-1: 2025 Summary of Reportable Incidents and Regulatory Action

Compliance Type	Agency	Number
Incidents / non-compliances	DPHI/ EPA	12
Caution Notices	-	0
Warning Letters	-	0
Penalty Notices	-	0
Prosecutions	-	0

On 24 December 2025, Centennial received a draft Clean-Up notice from the EPA. The Clean-Up Notice was finalised and issued by the EPA on 23 January 2025.

Table 11-2 2025 Incidents and Non-Compliances

Compliance	Overview of incident/non-compliance	Description of incident/non-compliance	Actions Taken	Status of Actions
Non-Compliant	Schedule 3 Condition 24 of SSD-5579 - The Applicant must prepare and implement a Water Management Plan for the development to the satisfaction of the Secretary.	Samples collected from EPL Licenced Discharge Point 1 (LDP001) returned exceedances of the interim limits specified in L2.4 of EPL 21229	Site arranged the independent contractor to collect duplicate samples for the discharge location.	Completed
	Condition L2.4 of EPL 21229 – Water and/ or Land Concentration Limits.	09/01/2025 – Dissolved Manganese 3.88 mg/L (limit of 3.6mg/L) and Dissolved Zinc 0.092 mg/L (limit of 0.09mg/L) 06/03/2025 - Dissolved Boron 1.74 mg/L (limit of 1.5mg/L), Dissolved Manganese 3.83 mg/L (limit of 3.6mg/L) and Dissolved Cobalt 0.72 mg/L (limit of 0.7mg/L) 03/04/2025 - Dissolved Cobalt 0.077 and 0.072 mg/L (limit of 0.07mg/L), Dissolved Manganese 3.7 mg/L (limit of 3.6mg/L) and Dissolved Boron 1.59 mg/L (limit of 1.5mg/L) 01/05/2025 – Dissolved Iron 0.42 mg/L (limit 0.3 mg/L) 05/06/2025 - Dissolved Cobalt 0.085 mg/L (limit 0.07 mg/L), Dissolved Manganese 3.87 mg/L (limit 3.6 mg/L), Dissolved Boron 1.65 mg/L (limit 1.5 mg/L) and Dissolved Iron 0.31 mg/L (limit 0.31 mg/L). 03/07/2025 - Dissolved Cobalt 0.074 mg/L (limit 0.07 mg/L) and Dissolved Zinc 0.098 and 0.092 mg/L (limit 0.09 mg/L). 07/08/2025 - Dissolved Zinc 0.098 and 0.092 mg/L (limit 0.09 mg/L). 10/09/2025 - Dissolved Cobalt 0.071 mg/L (limit 0.07 mg/L), Dissolved Zinc 0.0107 mg/L (limit 0.09 mg/L) and Dissolved Iron 0.42 mg/L (limit 0.3 mg/L) and Oil and Grease 12 mg/L (limit 10 mg/L) 06/11/2025 - Dissolved Iron 0.57 mg/L (limit 0.3 mg/L) and Dissolved Boron 1.56 mg/L (limit 1.5 mg/L). 04/12/2025 - Dissolved Zinc 0.096 & 0.148 mg/L (limit 0.09 mg/L) and Dissolved Boron 1.88 & 1.58 mg/L (limit 1.5 mg/L).	Additionally, Centennial was issued a Pollution Study and Reduction Program (PRP) by the EPA in November 2024 associated with the discharge concentration and volume limits for LDP001. Centennial is committed to ongoing consultation with the EPA to understand and implement the best environmental outcomes for LDP001 discharges. Centennial submitted an EPL variation on 31/10/2025 including the requirement to engage a suitably qualified expert to undertake an assessment of metals discharging from the premises via LDP001, including an evaluation of appropriate concentration limits for each relevant parameter. Further correspondence was provided to the EPA on 19/02/2026.	Ongoing Ongoing

Compliance	Overview of incident/non-compliance	Description of incident/non-compliance	Actions Taken	Status of Actions
Non-Compliant	Schedule 3, Condition 17 – The Applicant must prepare and implement an Air Quality Management Plan for the development to the satisfaction of the Secretary Condition M2.2 of EPL 21229 – Air Monitoring Requirements	On 23 December 2025, an independent contractor attended site to collect the deployed depositional dust gauge bottles, when it was noted Dust Gauge 3 (DG3) bottle and funnel had been removed from the sampling location. As a result, there will be no depositional dust results for DG3 for the December 2025 reporting period.	The sampling contractor immediately replaced the bottle and funnel prior to leaving site Site investigated the installation of security cameras and additional fencing.	Complete Ongoing
Non-Compliant	Condition U1.2 of EPL 21229 (PRP) - The Licence must complete the following milestones related to the Huon Gully Diversion Pond.	Milestones outlined in U1.2 were not complied with, including: - Contract execution - Construction Completion	Centennial has a 6-weekly meeting with the EPA regarding the progress of the PRP. Centennial submitted an EPL variation on 31/10/2025 including a revised milestone timeline. Further correspondence was provided to the EPA on 19/02/2026.	Ongoing Ongoing

12 ACTIVITIES TO BE COMPLETED IN THE NEXT REPORTING PERIOD

Table 12-1 presents activities that are currently planned for the next Reporting Period.

Table 12-1: Forecast Operations for 2026

Improvement Actions
- Review and where applicable address recommendations for noise, rehabilitation, surface water and groundwater specialist. - Continue consultation with Heritage NSW and the RAPs, regarding the long-term transfer and safe keeping of the salvaged Artefacts.
Management Plan Revisions
- In accordance with Schedule 3, Condition 45, update the RMP following the required consultation completed in 2025. - Revision of WCS Water Management Plan in accordance with the DPHI's conditional approval and the requirements of EPL 21229 PRP and re-submit for approval.
Condition Triggers
- In accordance with Condition 5(a) in Schedule 5 of SSD-5579 strategies, plans, and programs required under the consent will be reviewed within three months of the submission of this Annual Review. Where this review leads to revisions in any such document, then within 4 weeks of the review the revised document will be submitted for the approval of the Secretary. - Implement activities in accordance with EPL 21229 condition U1 – Clean water diversion works – Emplacement Cell and Water Storage Lining and Discharge concentration and Discharge Volume Limits. It is noted Western Coal Services has submitted an EPL variation to alter the milestones in the PRP.

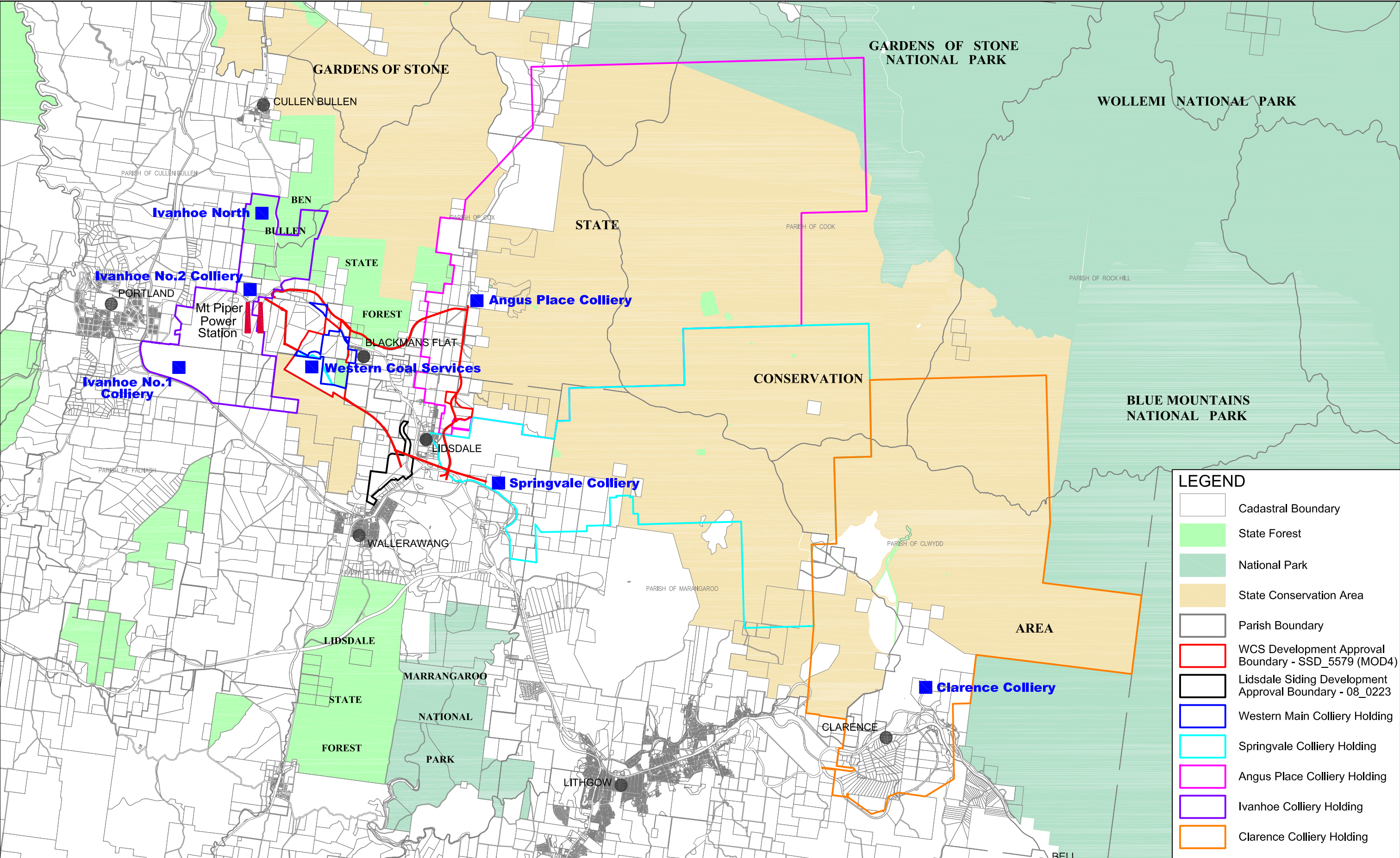
It is noted that changes to production activities may trigger changes to planned activities.

13 REFERENCES

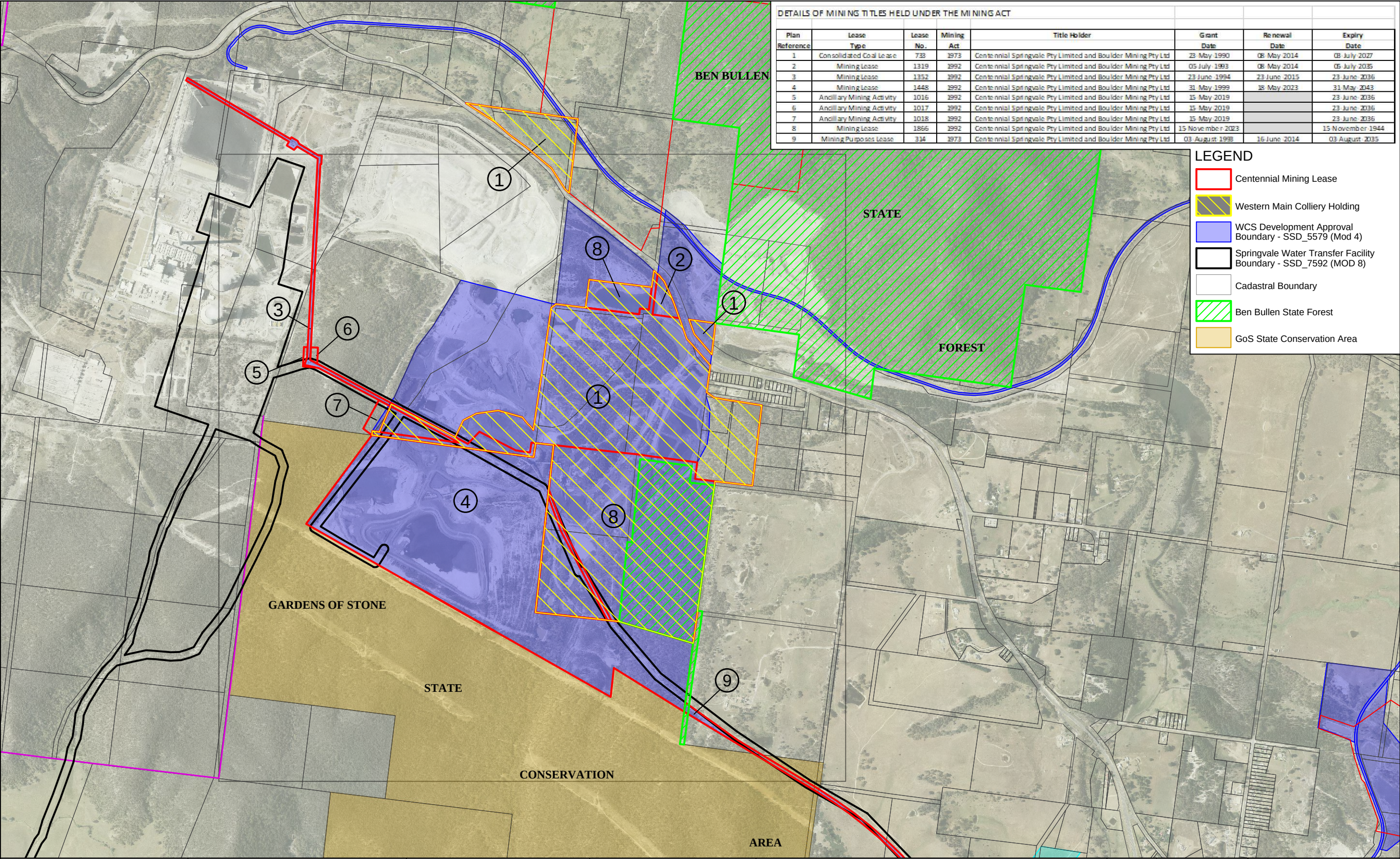
- RPS (2013) *Western Coal Services Project – Environmental Impact Statement*
- EMM (2021) *Western Coal Services Project – Modification Report for Modification to SSD-5579*
- EMM (2025) *Overland Conveyor Sound Pressure Level Testing*
- EMM (2025) *Sound Power Survey*
- EMM (2025) *Aboriginal heritage artefact salvage collection results*
- GHD (2025) *Western Coal Services – Annual Water Report 2024*
- GHD (2025) *UCRC Aquatic Ecology Springvale Coal Services and Lidsdale Siding site summaries from 2023 monitoring*
- JR Richards (2025) *Total Waste Management Report Western Coal Services*
- SLR (2025) *Springvale Coal Services (SCS) – Annual Rehabilitation Monitoring Report 2025*
- SLR (2025) *Lidsdale Siding and Western Coal Services Stream Health and Channel Stability Monitoring*
- IEMA (2025) *Western Coal Services Independent Environmental Audit 2024*

APPENDICES

APPENDIX 1: WCS Plans



Operation: Western Coal Services	Leaseholders: Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	Mining Leases: CCL733 Expiry 3 July 2027 ML1319 Expiry 5 July 2035 ML1352 Expiry 23 June 2036 (AMA1016, AMA1017 & AMA1018) ML1448 Expiry 31 May 2043 ML1866 Expiry 15 November 2044 MPL314 Expiry 3 August 2035	<u>CERTIFICATION</u> I hereby certify that the Information shown hereon, to the best of my knowledge and belief, is correctly represented. Signed: Date: 11-February-2026 Geoff Rapson Manager Coal Services & REA Controller	WESTERN COAL SERVICES ANNUAL REVIEW 2025 Plan 1A - Project Locality	MINE	WCS	 CENTENNIAL SPRINGVALE	PLAN No.	PC8051
Operator: Springvale Coal Pty Limited					SEAM	N/A			
Project Approval: SSD_5579 (MOD 4)	RMP Start Date: 1-August-2022	DRAWN	P.J.M.						
Proponent: Springvale Coal Pty Limited	RMP End Date: N/A Perpetual	SCALE	Refer to Scale Bar						
Mining Leases: CCL733, ML1319, ML1352, ML1448, ML1866 & Part MPL314	Annual Review Start Date: 1-January-2025	DATE	11-February-2026						
	Annual Review End Date: 31-December-2025	SHEET	A2H						



DETAILS OF MINING TITLES HELD UNDER THE MINING ACT							
Plan Reference	Lease Type	Lease No.	Mining Act	Title Holder	Grant Date	Renewal Date	Expiry Date
1	Consolidated Coal Lease	733	1973	Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	23 May 1990	08 May 2014	08 July 2027
2	Mining Lease	1319	1992	Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	05 July 1993	08 May 2014	05 July 2036
3	Mining Lease	1352	1992	Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	23 June 1994	23 June 2015	23 June 2036
4	Mining Lease	1448	1992	Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	31 May 1999	31 May 2023	31 May 2043
5	Ancillary Mining Activity	1016	1992	Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	15 May 2019		23 June 2036
6	Ancillary Mining Activity	1017	1992	Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	15 May 2019		23 June 2036
7	Ancillary Mining Activity	1018	1992	Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	15 May 2019		23 June 2036
8	Mining Lease	1866	1992	Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	15 November 2023		15 November 2044
9	Mining Purposes Lease	314	1973	Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	03 August 1998	16 June 2014	03 August 2035

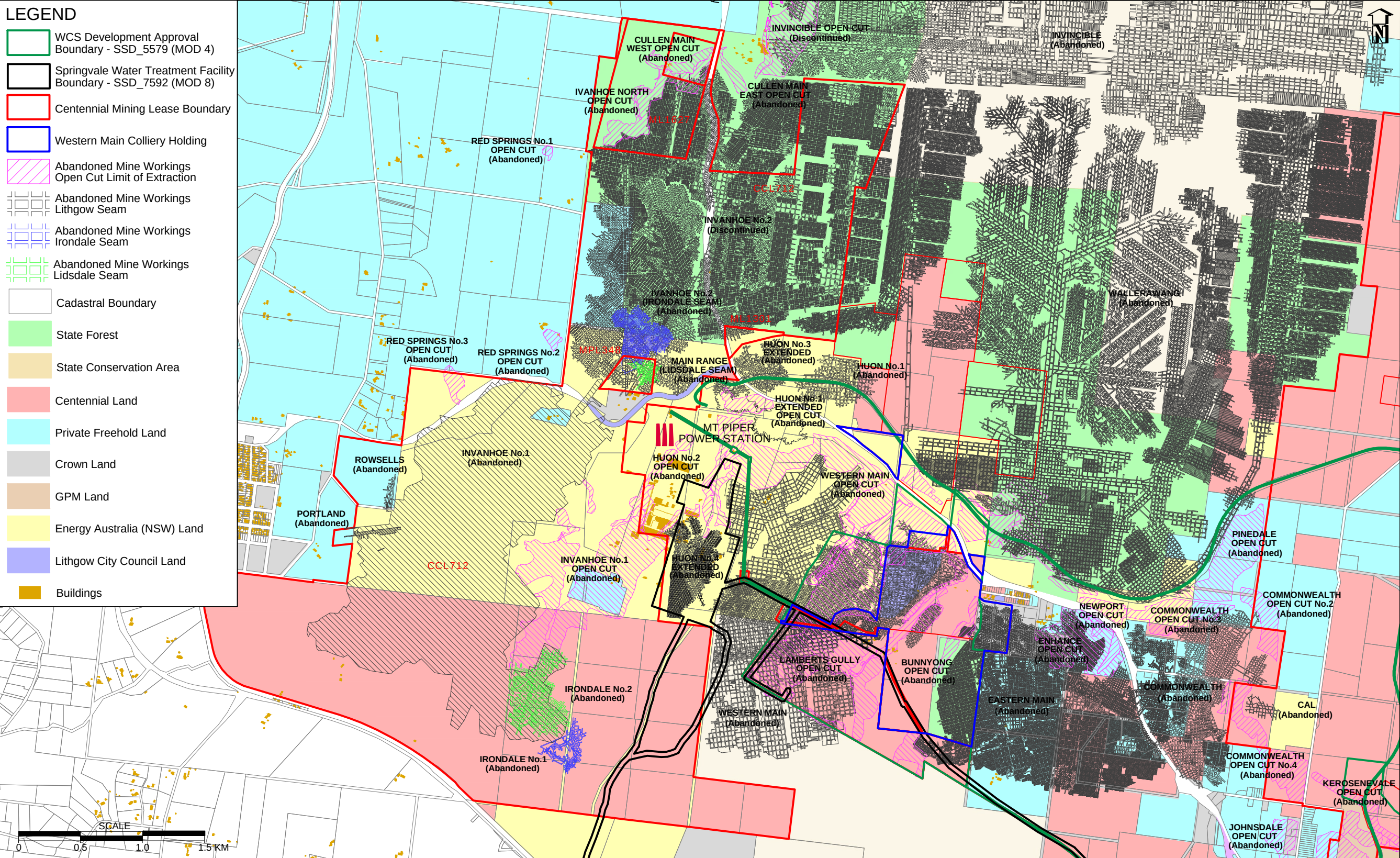
LEGEND

- Centennial Mining Lease
- Western Main Colliery Holding
- WCS Development Approval Boundary - SSD_5579 (Mod 4)
- Springvale Water Transfer Facility Boundary - SSD_7592 (MOD 8)
- Cadastral Boundary
- Ben Bullen State Forest
- GoS State Conservation Area

Operation: Western Coal Services	Leaseholders: Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	Mining Leases: CCL733 Expiry 3 July 2027 ML1319 Expiry 5 July 2035 ML1352 Expiry 23 June 2036 (AMA1016, AMA1017 & AMA1018) ML1448 Expiry 31 May 2043 ML1866 Expiry 15 November 2044 MPL314 Expiry 3 August 2035	CERTIFICATION I hereby certify that the information shown hereon, to the best of my knowledge and belief, is correctly represented. Signed: Date: 11-February-2026 Geoff Rapson Manager Coal Services & REA Controller	WESTERN COAL SERVICES ANNUAL REVIEW 2025 Plan 1B - Mining Leases	<table><tr><td>MINE</td><td>WCS</td></tr><tr><td>SEAM</td><td>N/A</td></tr><tr><td>DRAWN</td><td>P.J.M.</td></tr><tr><td>SCALE</td><td>Refer to Scale Bar</td></tr><tr><td>DATE</td><td>11-February-2026</td></tr><tr><td>SHEET</td><td>A2H</td></tr></table>	MINE	WCS	SEAM	N/A	DRAWN	P.J.M.	SCALE	Refer to Scale Bar	DATE	11-February-2026	SHEET	A2H	 CENTENNIAL SPRINGVALE	PLAN No. PC8052
MINE	WCS																		
SEAM	N/A																		
DRAWN	P.J.M.																		
SCALE	Refer to Scale Bar																		
DATE	11-February-2026																		
SHEET	A2H																		

LEGEND

- WCS Development Approval Boundary - SSD_5579 (MOD 4)
- Springvale Water Treatment Facility Boundary - SSD_7592 (MOD 8)
- Centennial Mining Lease Boundary
- Western Main Colliery Holding
- Abandoned Mine Workings Open Cut Limit of Extraction
- Abandoned Mine Workings Lithgow Seam
- Abandoned Mine Workings Irondale Seam
- Abandoned Mine Workings Lidsdale Seam
- Cadastral Boundary
- State Forest
- State Conservation Area
- Centennial Land
- Private Freehold Land
- Crown Land
- GPM Land
- Energy Australia (NSW) Land
- Lithgow City Council Land
- Buildings



Operation: Western Coal Services	Leaseholders: Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	Mining Leases: CCL733 Expiry 3 July 2027 ML1319 Expiry 5 July 2035 ML1352 Expiry 23 June 2036 (AMA1016, AMA1017 & AMA1018) ML1448 Expiry 31 May 2043 ML1866 Expiry 15 November 2044 MPL314 Expiry 3 August 2035	CERTIFICATION I hereby certify that the information shown hereon, to the best of my knowledge and belief, is correctly represented. Signed: Date:11-February-2026 Geoff Rapson Manager Coal Services & REA Controller	WSETERN COAL SERVICES ANNUAL REVIEW 2025 Plan 1C - Built Environment	MINE	WCS	 CENTENNIAL SPRINGVALE	PLAN No.	PC8053
Operator: Springvale Coal Pty Limited					SEAM	N/A			
Project Approval: SSD_5579 (MOD 4)	RMP Start Date: 1-August-2022				DRAWN	P.J.M.			
Proponent: Springvale Coal Pty Limited	RMP End Date: N/A Perpetual				SCALE	Refer to Scale Bar			
Mining Leases: CCL733, ML1319, ML1352, ML1448, ML1866 & Part MPL314	Annual Review Start Date: 1-January-2025 Annual Review End Date: 31-December-2025				DATE	11-February-2026			
					SHEET	A2H			

LEGEND

Centennial Mining Lease Boundary

Western Coal Services Approval Boundary - SSD_5579 (Mod 3)

Abandoned Mine Workings
Open Cut Limit of Extraction

Abandoned Mine Workings
Lithgow Seam

Abandoned Mine Workings
Irondale Seam

Cadastral Boundary

Mining Domain - Infrastructure Area

Mining Domain - Tailings Storage Facility

Mining Domain - Overburden Emplacement

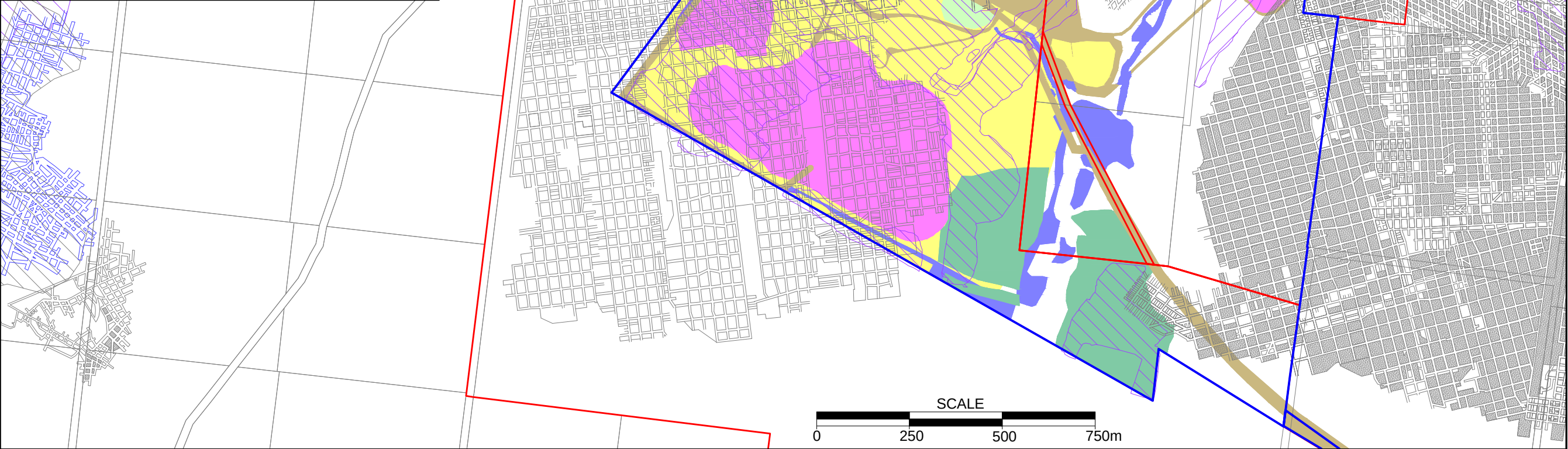
Mining Domain - Underground Mining Area (SMP)

Mining Domain - Water Management Area

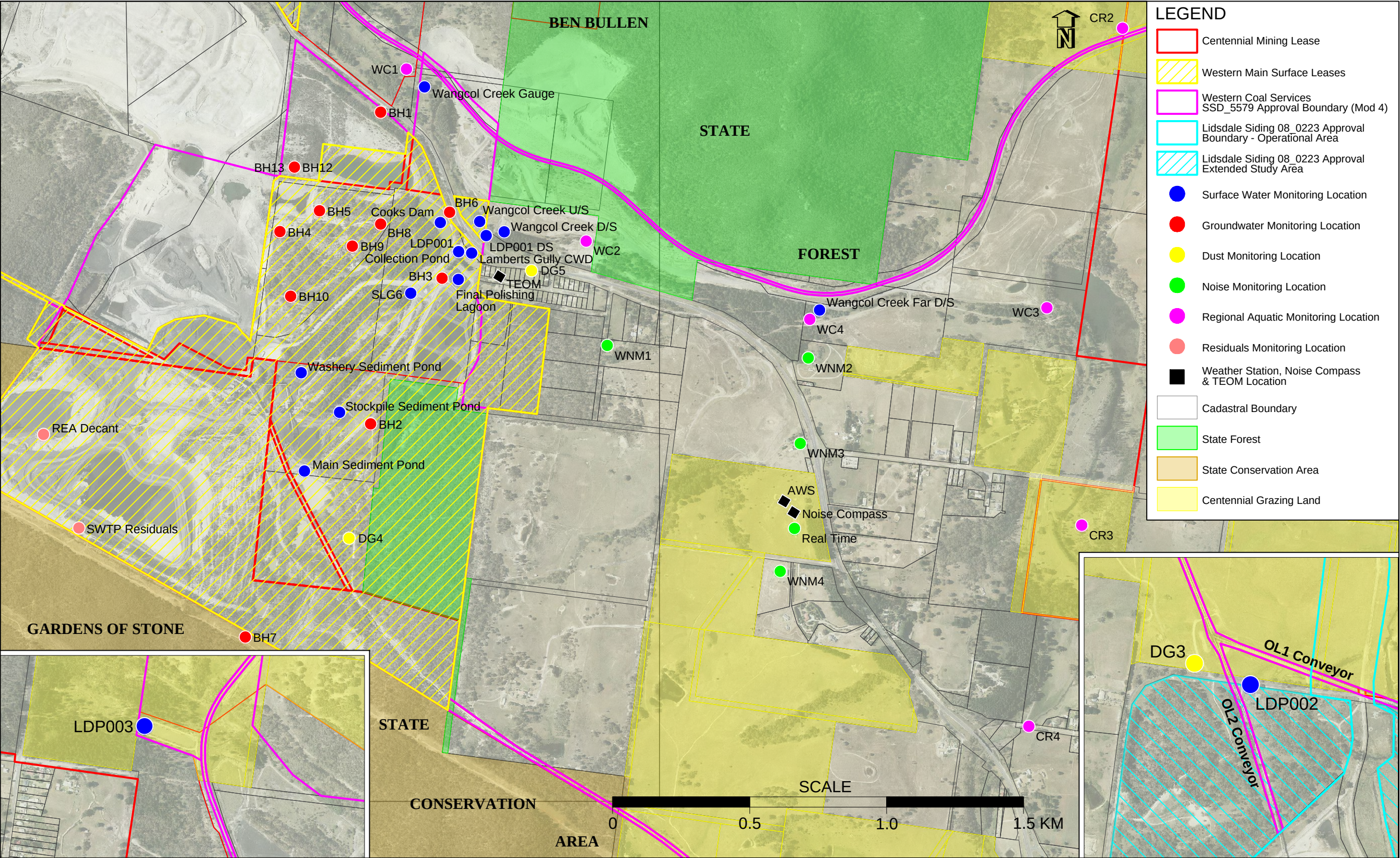
Mining Domain - Rehabilitation (Ecosystem & Land Use Development)

Mining Domain - Rehabilitation Ecosystem & Land Use Establishment

Mining Domain - Rehabilitation Completed



Operation: Western Coal Services	Leaseholders: Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	Mining Leases: CCL733 Expiry 3 July 2027 ML1319 Expiry 5 July 2035 ML1352 Expiry 23 June 2036 (AMA1016, AMA1017 & AMA1018) ML1448 Expiry 31 May 2043 ML1866 Expiry 15 November 2044 MPL314 Expiry 3 August 2035	CERTIFICATION I hereby certify that the information shown hereon, to the best of my knowledge and belief, is correctly represented. Signed: Date: 11-February-2026 Geoff Rapson Manager Coal Services & REA Controller	WESTERN COAL SERVICES ANNUAL REVIEW 2025 MINE DOMAINS Plan 2 - Mining & Rehabilitation	<table><tr><td>MINE</td><td>WCS</td></tr><tr><td>SEAM</td><td>N/A</td></tr><tr><td>DRAWN</td><td>P.J.M.</td></tr><tr><td>SCALE</td><td>Refer to Scale Bar</td></tr><tr><td>DATE</td><td>11-February-2026</td></tr><tr><td>SHEET</td><td>A2H</td></tr></table>	MINE	WCS	SEAM	N/A	DRAWN	P.J.M.	SCALE	Refer to Scale Bar	DATE	11-February-2026	SHEET	A2H	 <table><tr><td>PLAN No.</td><td>PC8056</td></tr></table>	PLAN No.	PC8056
MINE	WCS																			
SEAM	N/A																			
DRAWN	P.J.M.																			
SCALE	Refer to Scale Bar																			
DATE	11-February-2026																			
SHEET	A2H																			
PLAN No.	PC8056																			
Operator: Springvale Coal Pty Limited	RMP Start Date: 1-August-2022																			
Project Approval: SSD_5579 (MOD 4)	RMP End Date: N/A Perpetual																			
Proponent: Springvale Coal Pty Limited	Annual Review Start Date: 1-January-2025																			
Mining Leases: CCL733, ML1319, ML1352, ML1448, ML1866 & Part MPL314	Annual Review End Date: 31-December-2025																			



Operation: Western Coal Services	Leaseholders: Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	Mining Leases: CCL733 Expiry 3 July 2027 ML1319 Expiry 5 July 2035 ML1352 Expiry 23 June 2036 (AMA1016, AMA1017 & AMA1018) ML1448 Expiry 31 May 2043 ML1866 Expiry 15 November 2044 MPL314 Expiry 3 August 2035	CERTIFICATION I hereby certify that the information shown hereon, to the best of my knowledge and belief, is correctly represented. Signed: Date: 11-February-2026 Geoff Rapson Manager Coal Services & REA Controller	WESTERN COAL SERVICES ANNUAL REVIEW 2025 MINING & REHABILITATION Plan 3A - Environmental Monitoring	<table><tr><td>MINE</td><td>WCS</td></tr><tr><td>SEAM</td><td>N/A</td></tr><tr><td>DRAWN</td><td>P.J.M.</td></tr><tr><td>SCALE</td><td>Refer to Scale Bar</td></tr><tr><td>DATE</td><td>11-February-2026</td></tr><tr><td>SHEET</td><td>A2H</td></tr></table>	MINE	WCS	SEAM	N/A	DRAWN	P.J.M.	SCALE	Refer to Scale Bar	DATE	11-February-2026	SHEET	A2H	<table><tr><td>PLAN No.</td><td>PC8057</td></tr></table>	PLAN No.	PC8057
MINE	WCS																			
SEAM	N/A																			
DRAWN	P.J.M.																			
SCALE	Refer to Scale Bar																			
DATE	11-February-2026																			
SHEET	A2H																			
PLAN No.	PC8057																			



LEGEND

Centennial Mining Lease

Western Coal Services Approval Boundary - SSD_5579 (MOD 4)

Springvale Water Transfer Approval Boundary - SSD_7592 (MOD 8)

Rehabilitation Area

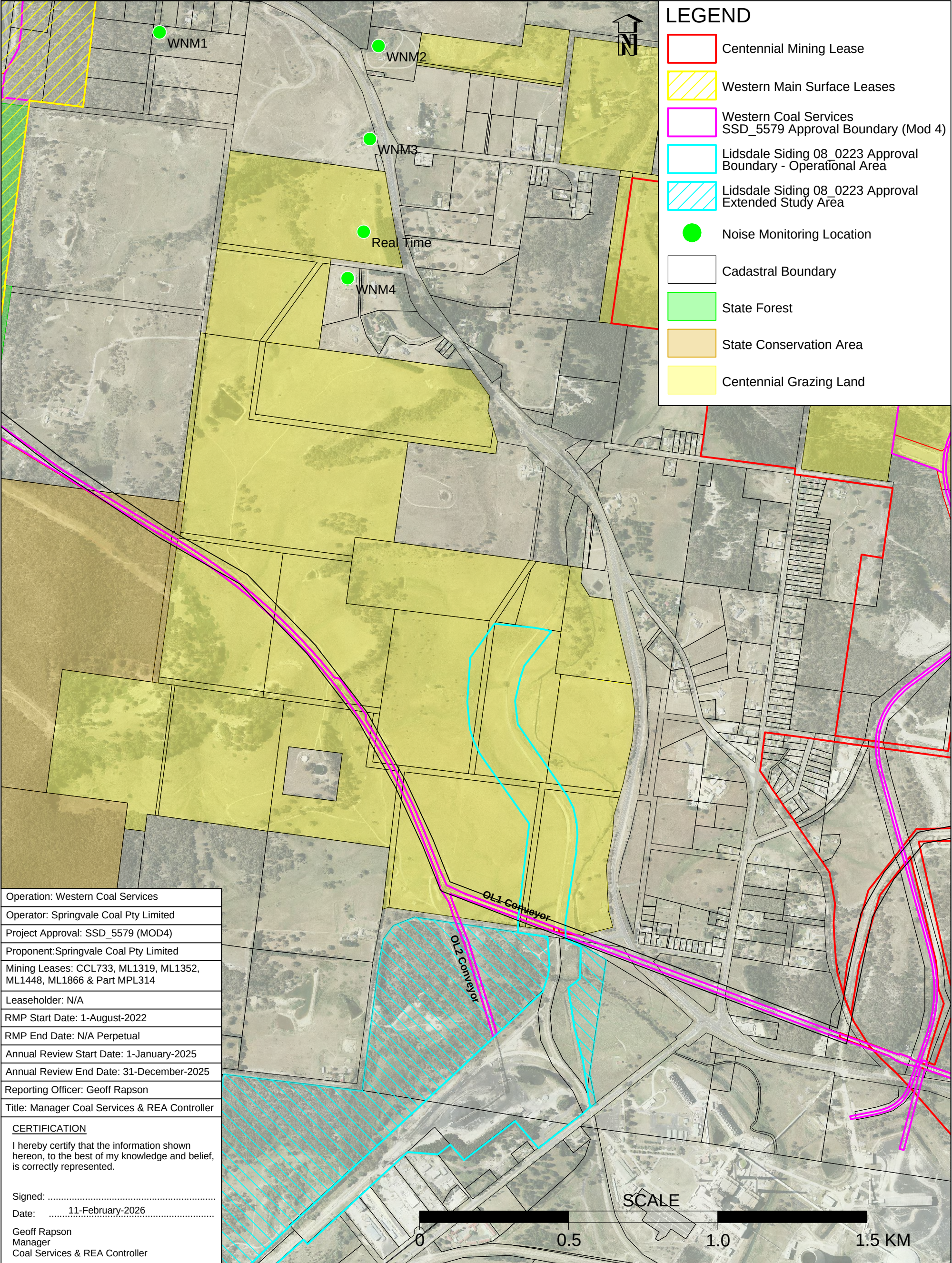
Rehabilitation Monitoring Location

State Forest

State Conservation Area

Centennial Grazing Land

Operation: Western Coal Services	Leaseholders: Centennial Springvale Pty Limited and Boulder Mining Pty Ltd	Mining Leases: CCL733 Expiry 3 July 2027	CERTIFICATION I hereby certify that the information shown hereon, to the best of my knowledge and belief, is correctly represented. Signed: Date: 11-February-2026 Geoff Rapson Manager Coal Services & REA Controller	WESTERN COAL SERVICES ANNUAL REVIEW 2025 MINING & REHABILITATION Plan 3B - Rehabilitation Monitoring	MINE	WCS	 PLAN No. PC8058	
Operator: Springvale Coal Pty Limited		ML1319 Expiry 5 July 2035			SEAM	N/A		
Project Approval: SSD_5579 (MOD 4)	RMP Start Date: 1-August-2022	ML1352 Expiry 23 June 2036			DRAWN	P.J.M.		
Proponent: Springvale Coal Pty Limited	RMP End Date: N/A Perpetual	(AMA1016, AMA1017 & AMA1018)			SCALE	Refer to Scale Bar		
		ML1448 Expiry 31 May 2043			DATE	11-February-2026		
Mining Leases: CCL733, ML1319, ML1352, ML1448, ML1866 & Part MPL314	Annual Review Start Date: 1-January-2025	ML1866 Expiry 15 November 2044			SHEET	A2H		
	Annual Review End Date: 31-December-2025	MPL314 Expiry 3 August 2035						



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	SEAM	N/A		
	DRAWN	P.J.M.		
	SCALE	Refer to Scale Bar		
	DATE	11-February-2026		
	SHEET	A2V		
			PLAN No.	PC8059

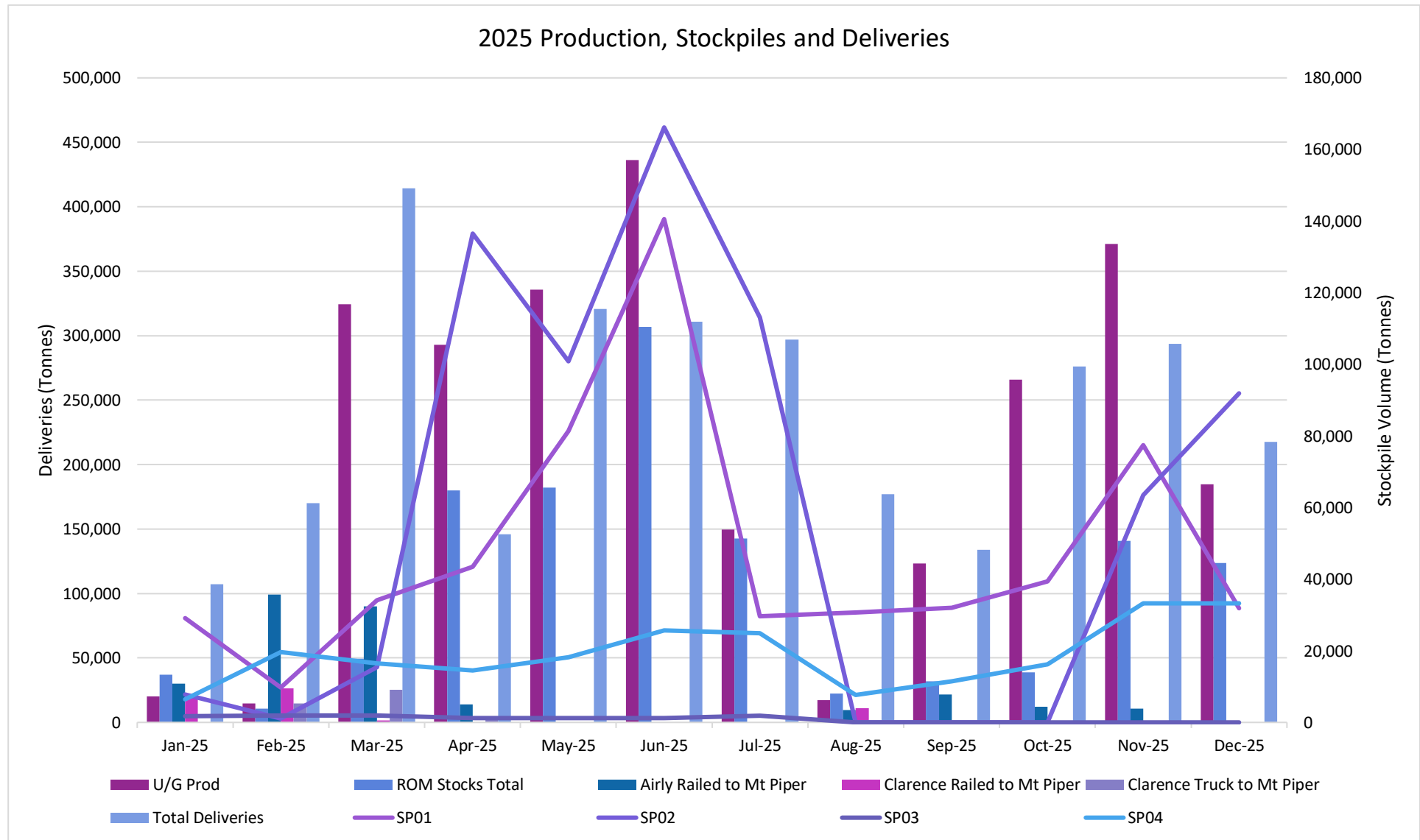
**APPENDIX 2: Coal Transport and Stockpile
Summary**

Table A2-1: 2025 Production Summary

2025 PRODUCTION SUMMARY																		
	Springvale U/G			Stocks					Washery		WCS to LS	Airly (Railed)		Clarence (Railed)		Clarence (Trucked)		Total Deliveries
	U/G Production	Product Delivered	To Mt Piper	SP01	SP02	SP03	SP04	ROM Stocks Total	Feed	Product		Railed in	To Mt Piper	Railed in	To Mt Piper	Trucked to LS	Trucked to Mt Piper	Mt Piper
Jan-25	20,273	38,886	107,077	29,072	7,771	1,803	6,451	36,843	13,911	7,954	0	14,751	30,198	21,949	21,949	0	0	107,077
Feb-25	14,692	17,003	155,274	9,742	1,045	1,927	19,594	10,787	0	0	0	103,467	99,157	27,662	26,288	4,057	14,759	169,941
Mar-25	324,258	299,845	388,914	34,155	15,426	1,927	16,497	49,581	0	0	0	88,261	89,984	0	1,374	4,607	25,360	414,189
Apr-25	292,771	283,525	142,296	43,401	136,544	1,231	14,526	179,945	0	0	35,496.00	11,332	13,919	0	0	419	3,576	145,872
May-25	335,787	297,777	320,788	81,411	100,826	1,231	18,179	182,237	0	0	17,303.00	0	0	0	0	0	0	320,788
Jun-25	436,402	377,274	310,813	140,539	166,161	1,231	25,706	306,700	0	0	7,527.00	0	0	0	0	0	0	310,813
Jul-25	149,505	238,663	296,934	29,675	113,103	1,879	24,920	142,778	0	0	0	0	0	0	0	0	0	296,934
Aug-25	17,184	16,223	176,930	30,636	0	0	7,661	22,283	0	0	0	9,727	9,727	11,013	11,013	0	0	176,930
Sep-25	123,170	108,547	133,771	32,066	0	0	11,452	32,066	0	0	0	21,610	21,610	0	0	0	0	133,771
Oct-25	265,770	258,482	276,223	39,354	0	0	16,165	38,879	0	0	4,511	15,682	12,159	0	0	0	0	276,223
Nov-25	371,315	333,256	293,615	77,413	63,517	0	33,252	140,930	0	0	0	27,775	10,688	0	0	0	0	293,615
Dec-25	184,701	235,264	217,750	31,875	91,840	0	33,252	123,715	0	0	0	0	0	0	0	0	0	217,750
Total	2,535,828	2,504,745	2,820,385	-	-	-	-	-	13,911	7,954	64,837	292,605	287,442	60,624	60,624	9,083	43,695	2,863,903

Notes: All numbers are reported in Tonnes (t), unless specified

Figure A2-1: 2025 Production & Stockpile Levels



APPENDIX 3: Noise

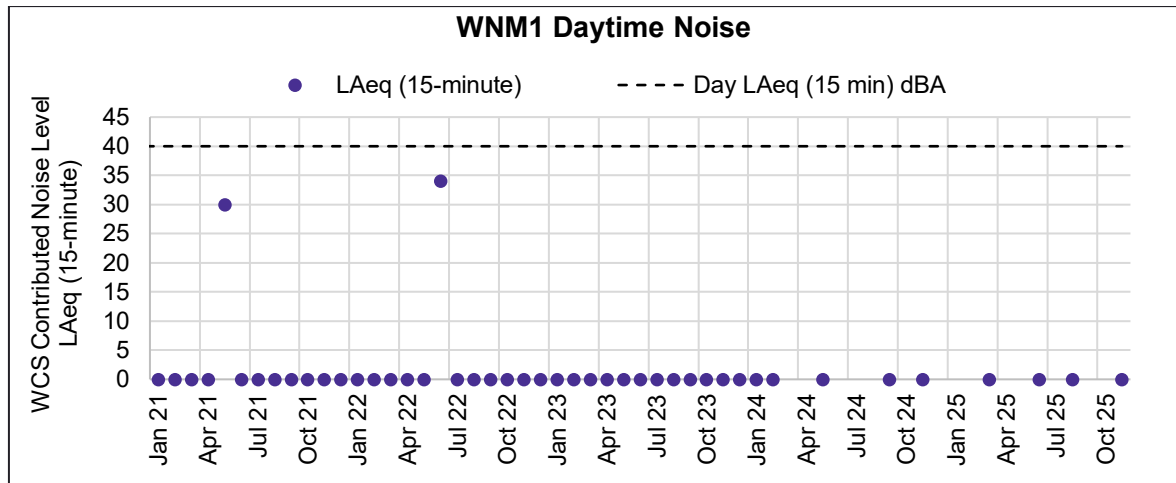


Figure A3-1: Daytime WNM1 Noise Result (Laeq 15min)

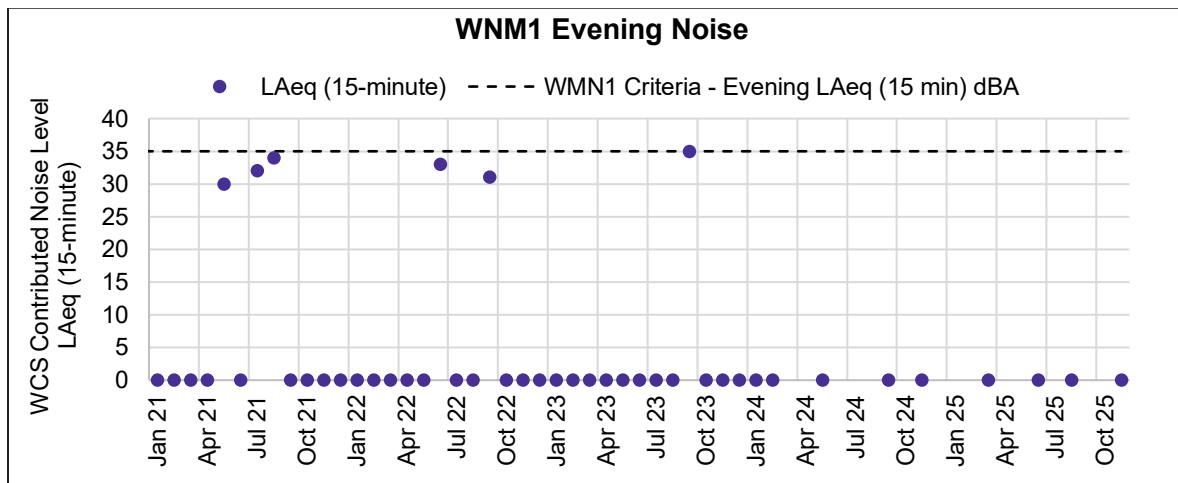


Figure A3-2: Evening WNM1 Noise Result (Laeq 15min)

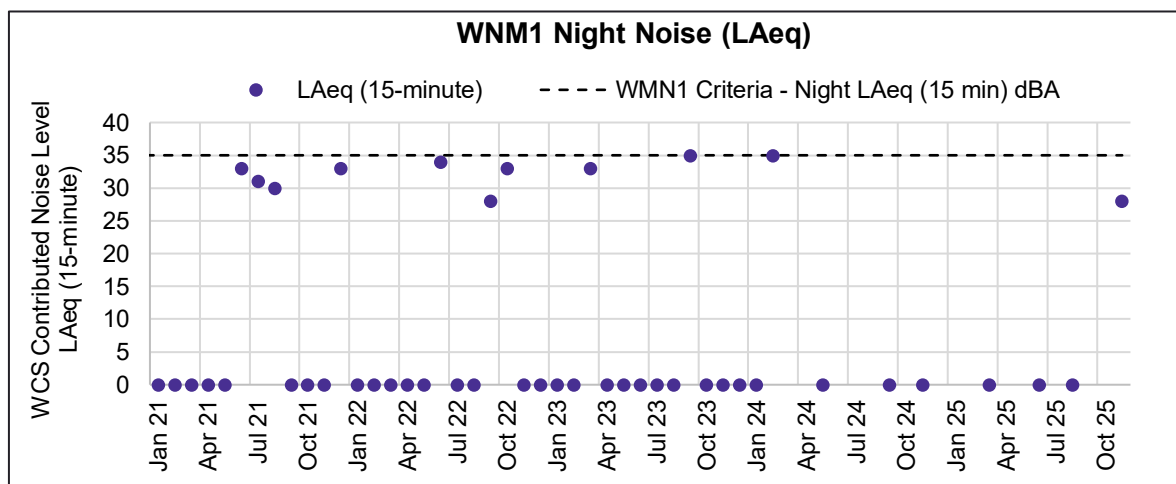


Figure A3-3: Night WNM1 Noise Result (Laeq 15min)

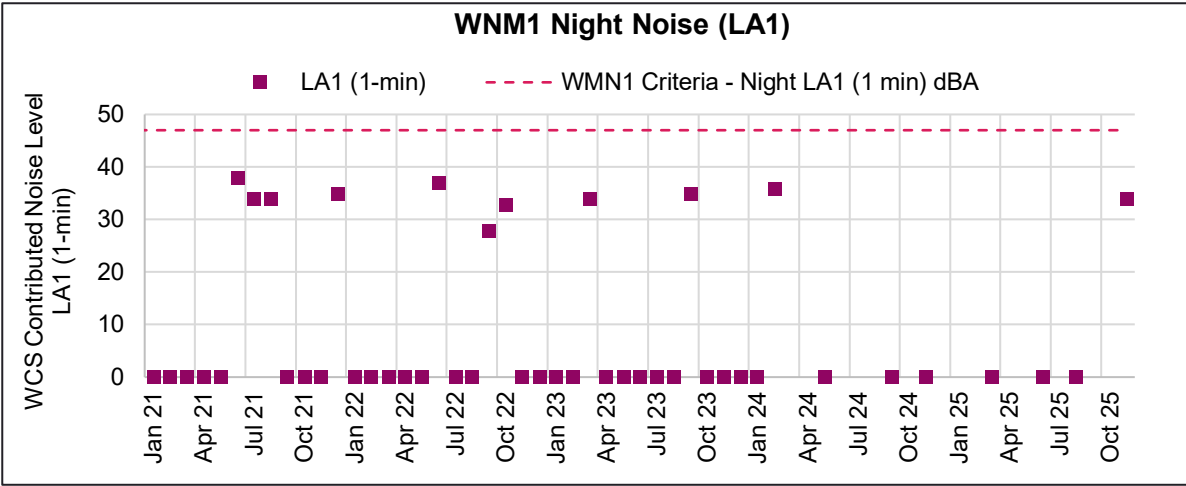


Figure A3-4: Night WNM1 Noise Result (Laeq 1min)

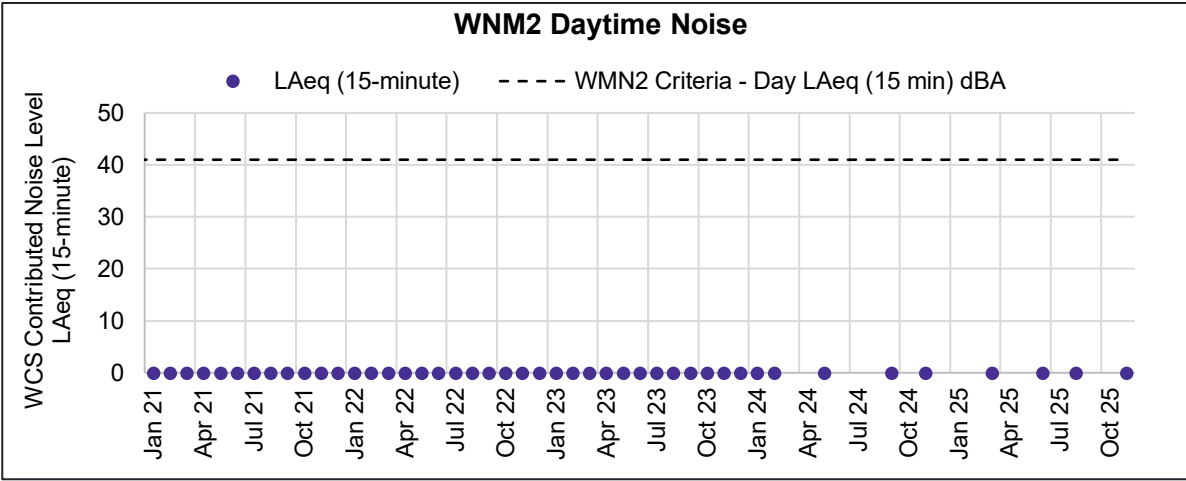


Figure A3-5: Daytime WNM2 Noise Result (Laeq 15min)

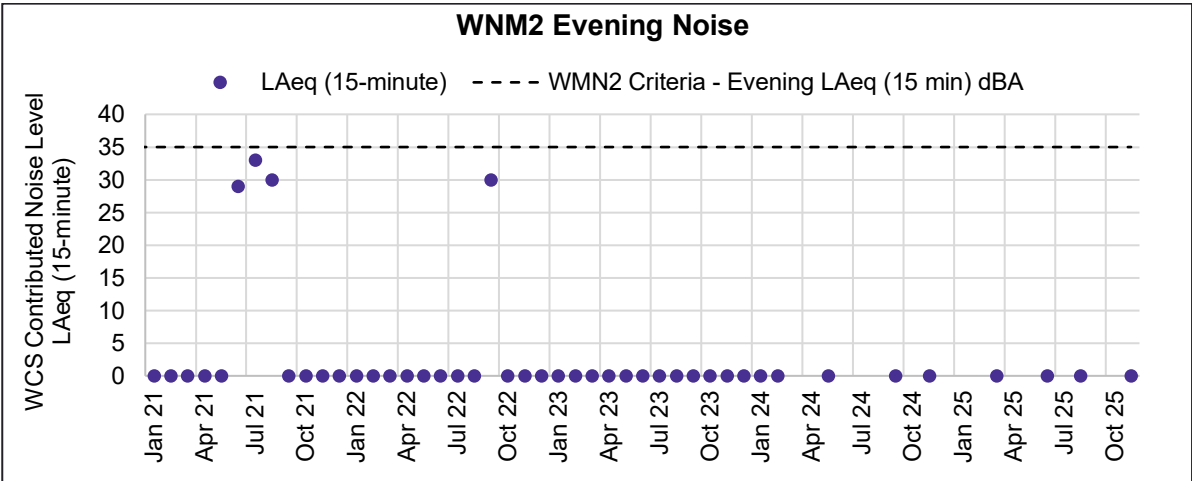


Figure A3-6: Evening WNM2 Noise Result (Laeq 15min)

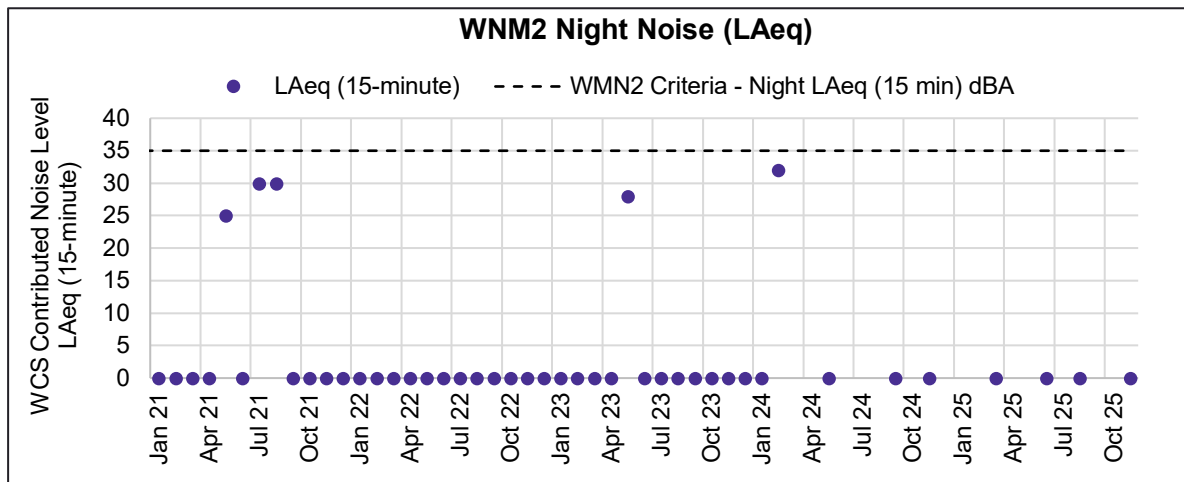


Figure A3-7: Night WNM2 Noise Result (Laeq 15min)

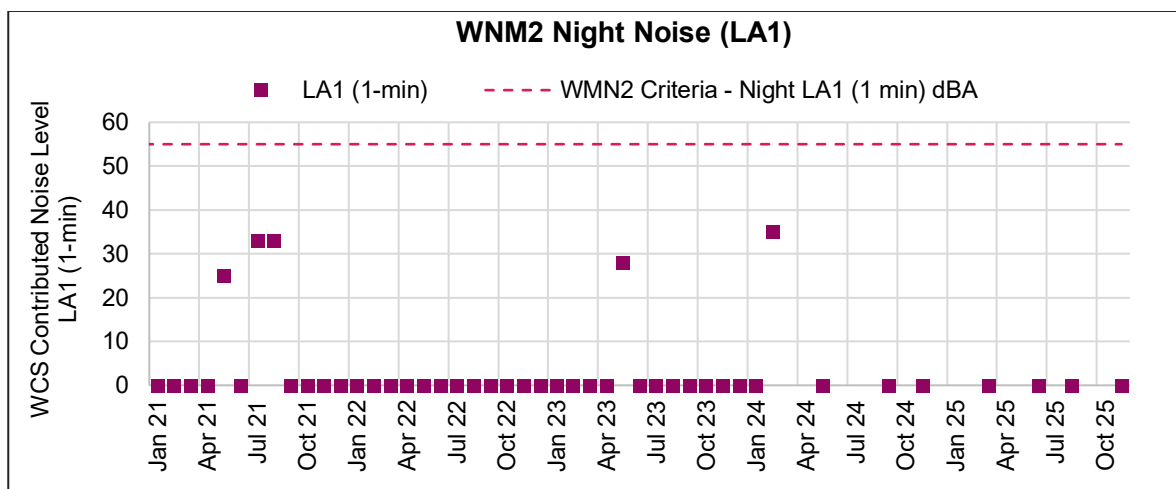


Figure A3-8: Night WNM2 Noise Result (Laeq 1min)

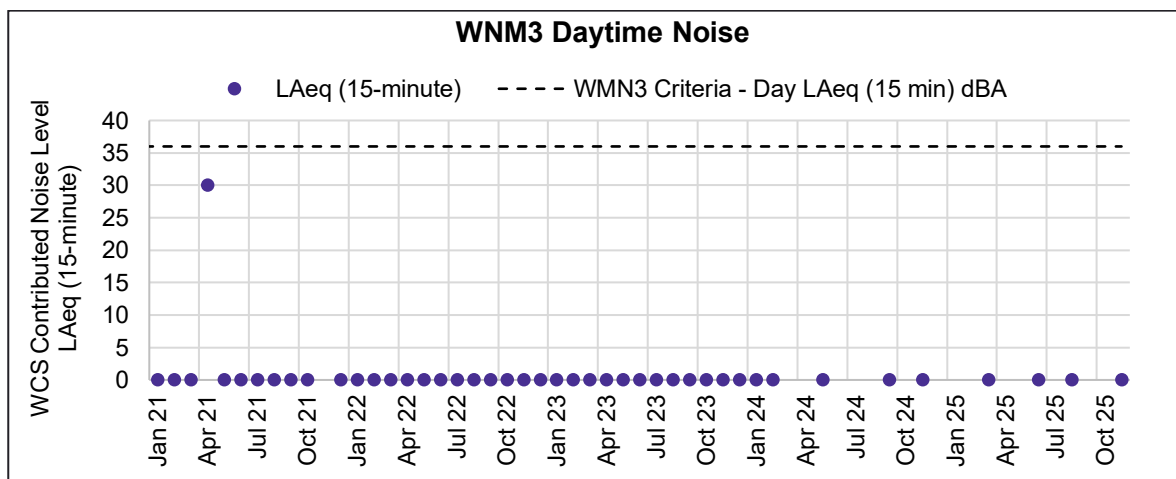


Figure A3-9: Daytime WNM3 Noise Result (Laeq 15min)

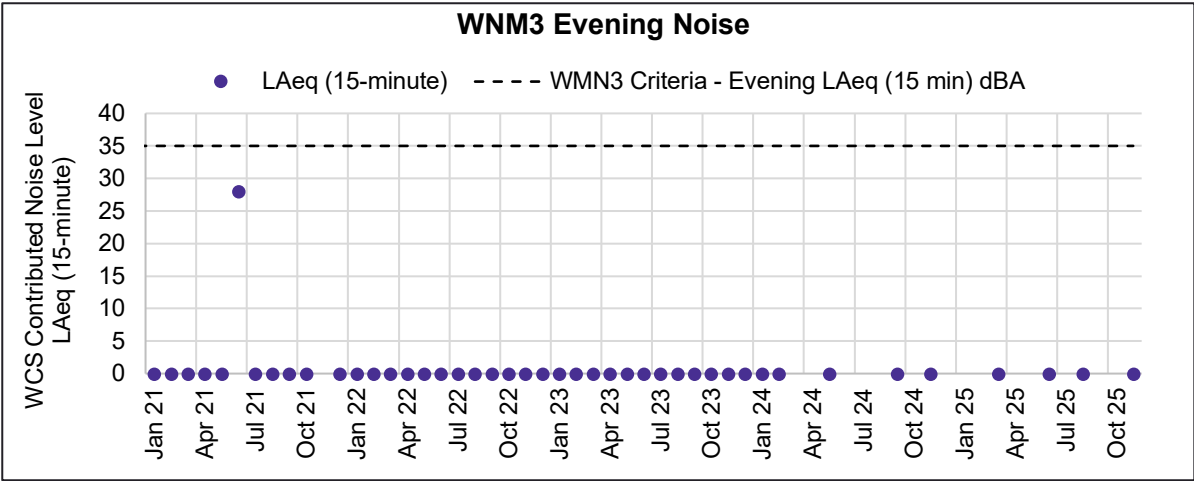


Figure A3-10: Evening WNM3 Noise Result (Laeq 15min)

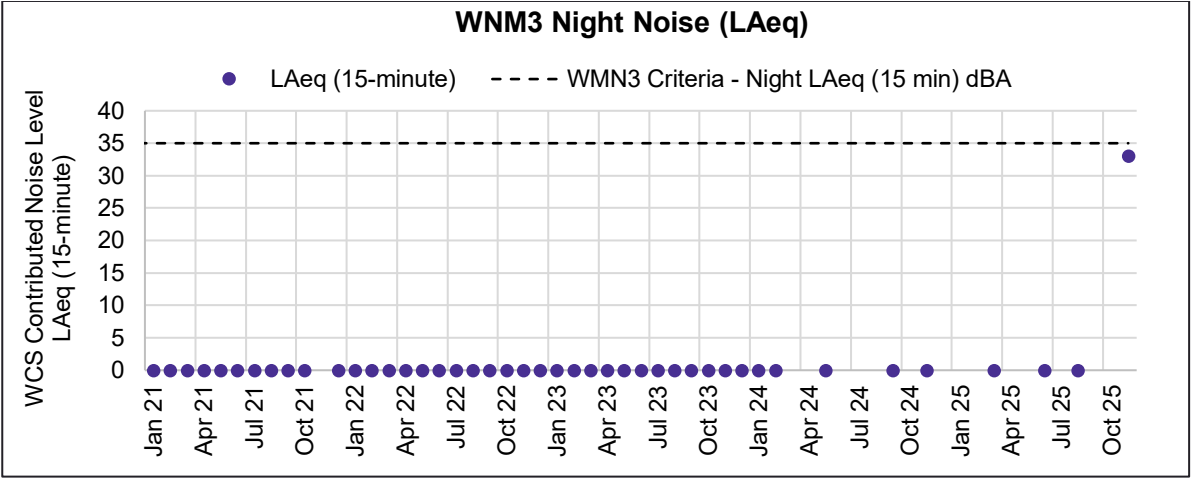


Figure A3-11: Night WNM3 Noise Result (Laeq 15min)

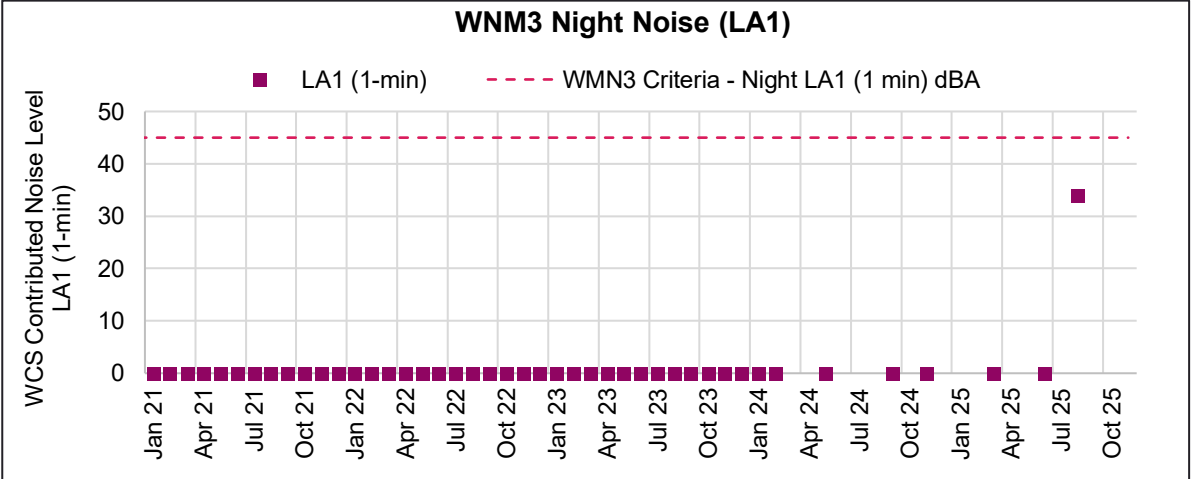


Figure A3-12: Night WNM3 Noise Result (Laeq 1min)

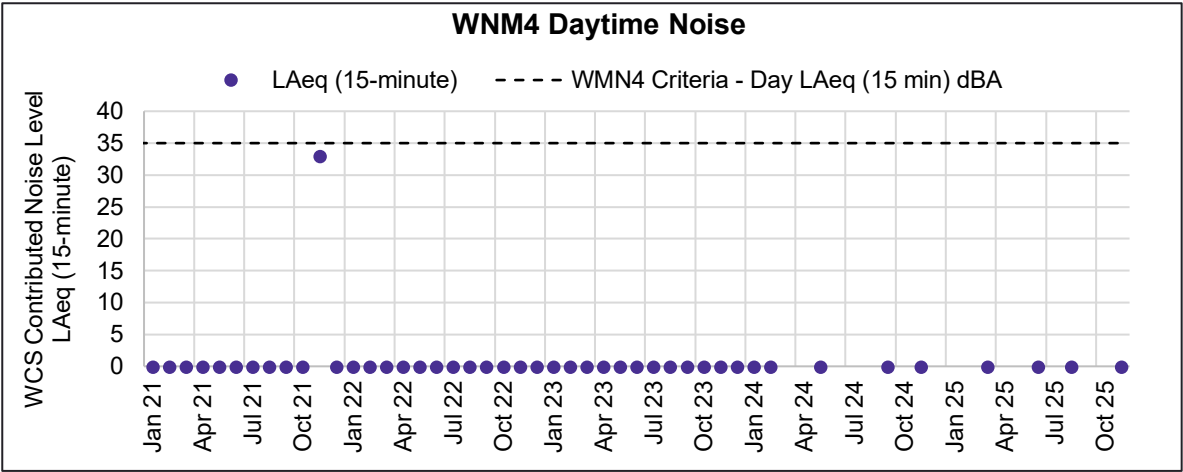


Figure A3-13: Daytime WNM4 Noise Result (Laeq 15min)

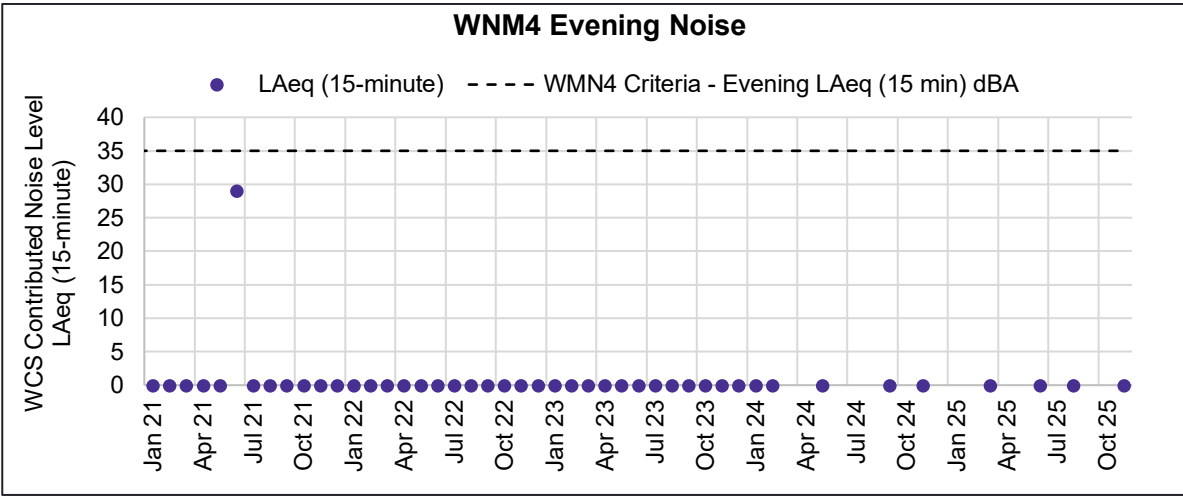


Figure A3-14: Evening WNM4 Noise Result (Laeq 15min)

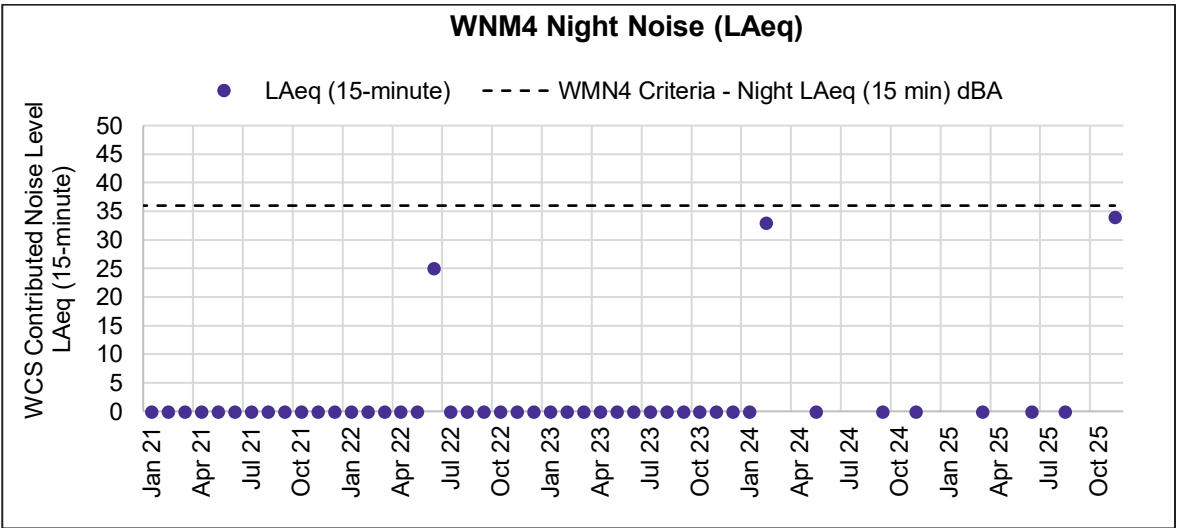


Figure A3-15: Night WNM4 Noise Result (Laeq 15min)

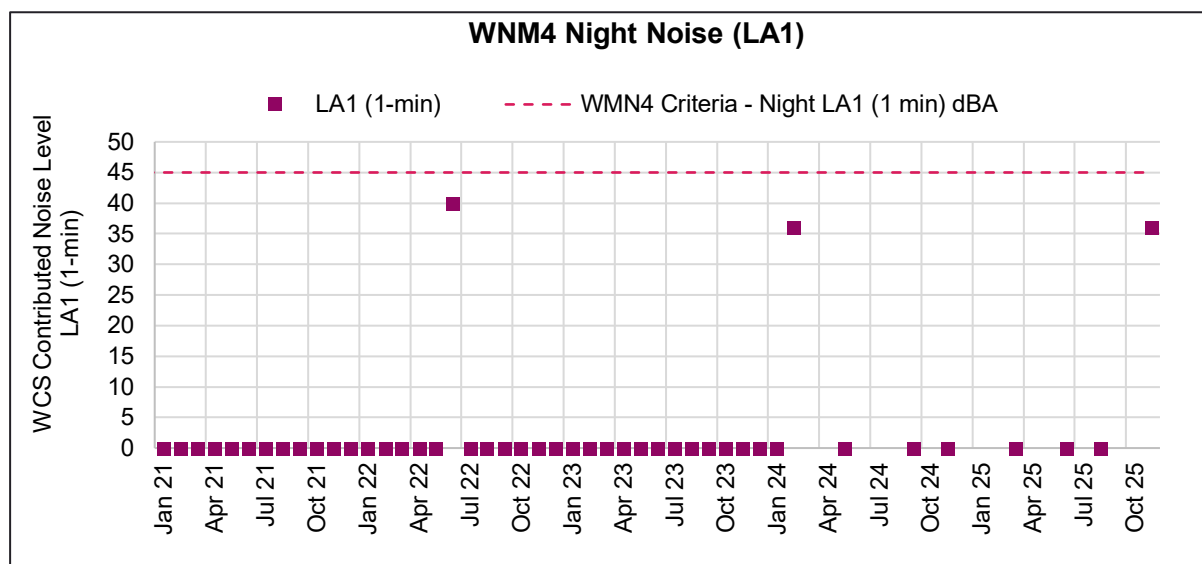


Figure A3-16: Night WNM4 Noise Result (Laeq 1min)

APPENDIX 4: Air Quality

Table A4-1: 2025 Monthly Depositional Monitoring

	WCSDG3	WCSDG4	WCSDG5
	g/m ² /moth		
24/01/2025	0.9	0.6	1.1
24/02/2025	0.6	0.6	0.2
26/03/2025	0.1	1.3	0.3
23/04/2025	0.2	0.2	0.3
23/05/2025	0.8	0.7	0.4
23/06/2025	0.4	0.5	0.4
23/07/2025	0.4	0.4	0.6
22/08/2025	1.2	0.6	0.6
22/09/2025	1.8	0.4	0.4
20/10/2025	0.3	1.5	0.6
21/11/2025	0.5	1.2	0.8
23/12/2025	-	1.5	0.9

Notes – DG3 bottle and funnel were identified as missing from the sampling location on 13/12/2025, hence there are no depositional dust results for December.

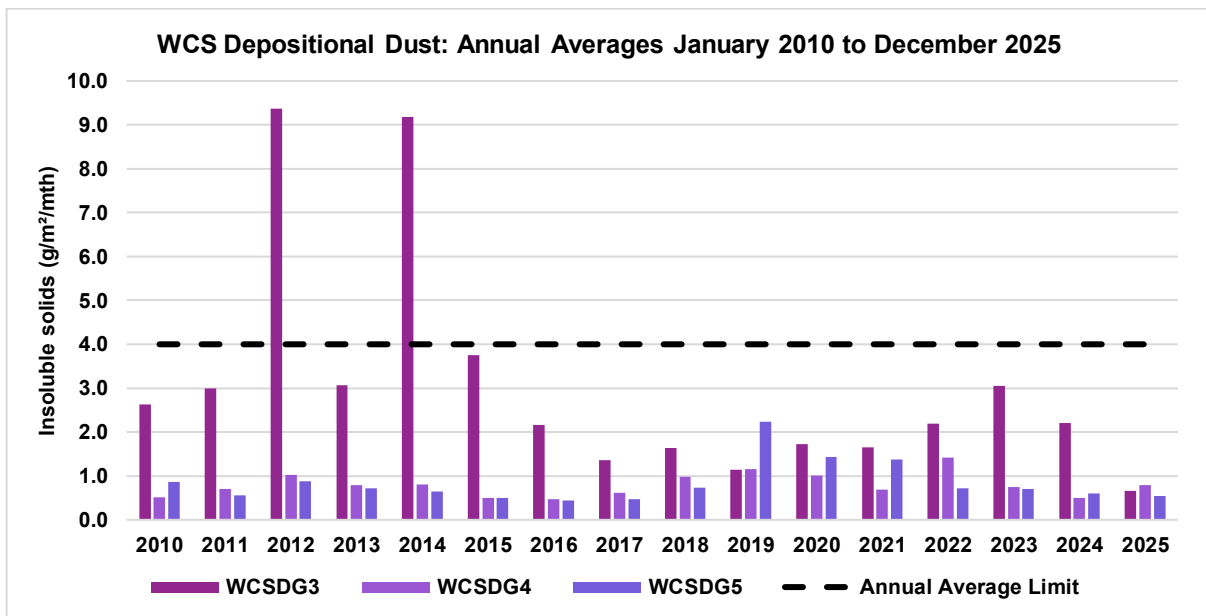


Figure A4-1: Long Term Depositional Dust Annual Averages

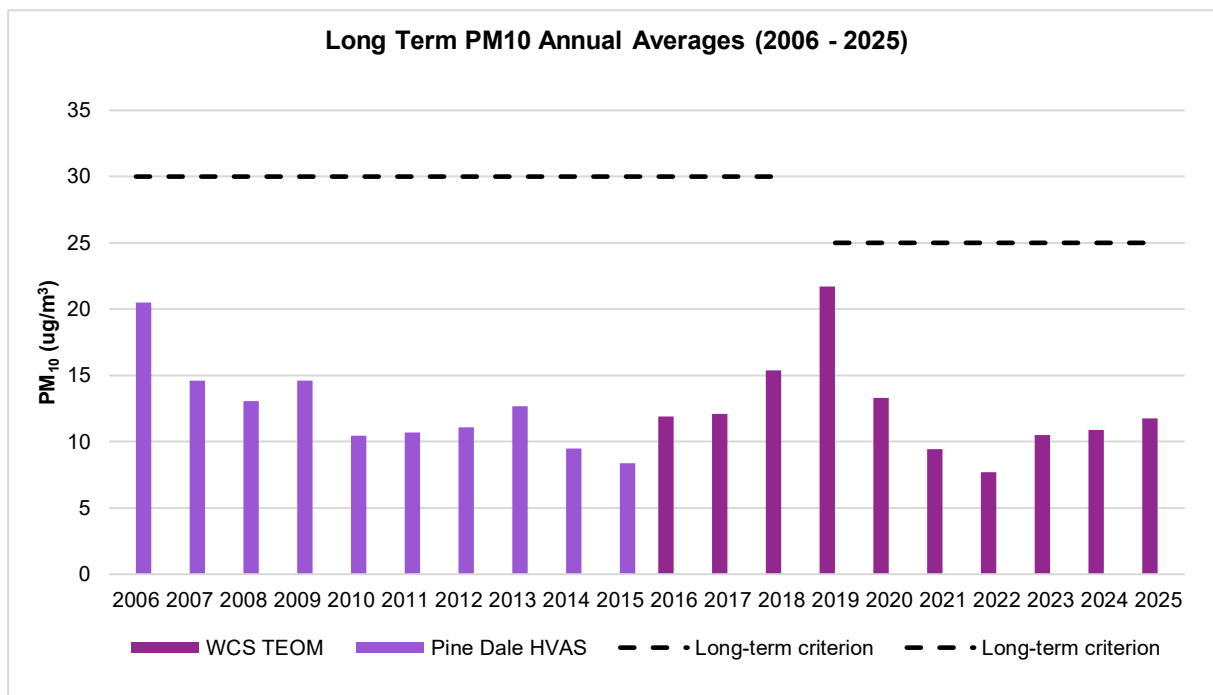


Figure A4-2: Long Term PM₁₀ Annual Averages (2006 – 2025)

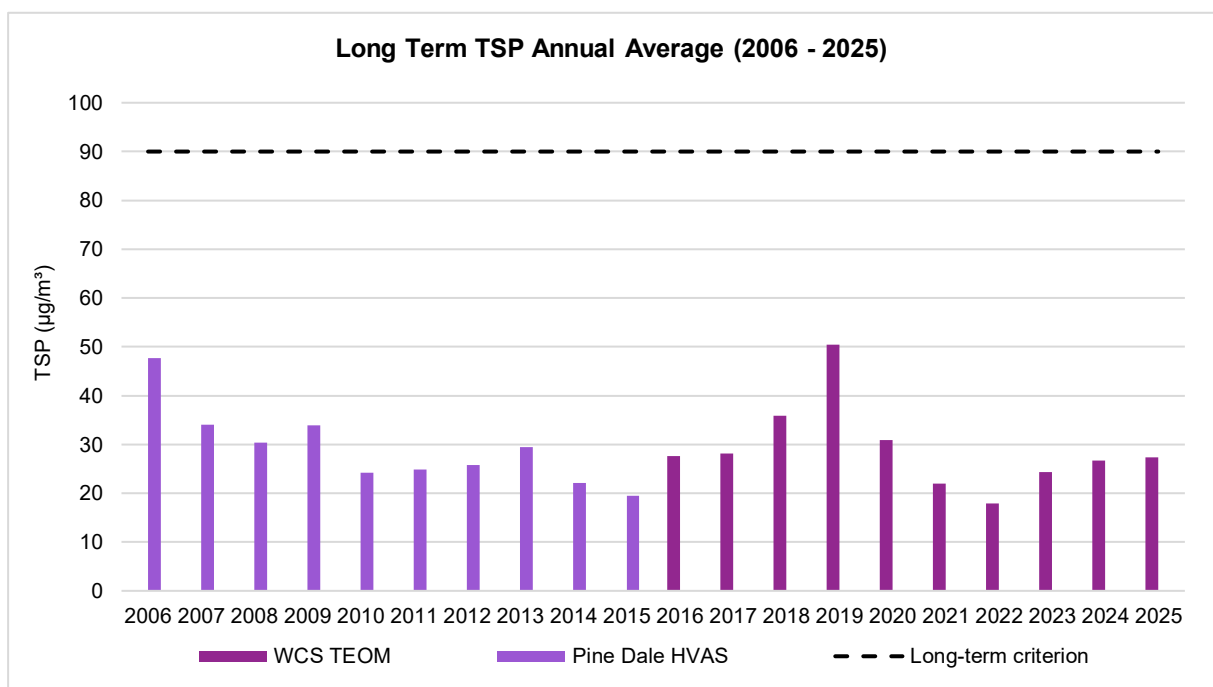


Figure A4-3: Long Term TSP Annual Averages (2006 – 2025)



Centennial Coal Company Limited
P O Box 1000
Toronto NSW 2283
www.centennialcoal.com.au

