



Monthly Environmental Monitoring Report

Yancoal Mount Thorley Warkworth

August 2025

CONTENTS

1.0	INTRODUCTION.....	4
2.0	AIR QUALITY.....	4
2.1	Meteorological Monitoring.....	4
2.1.1	Rainfall.....	4
2.1.2	Wind Speed and Direction.....	4
2.2	Depositional Dust.....	6
2.3	Suspended Particulates.....	6
2.3.1	HVAS PM ₁₀ Results.....	6
2.3.2	TSP Results.....	7
2.3.3	Real Time PM ₁₀ Results.....	7
2.3.4	Real Time Alarms for Air Quality.....	8
3.0	WATER QUALITY.....	9
3.1	Surface Water.....	9
3.2	HRSTS Discharge.....	9
3.3	Groundwater Monitoring.....	9
4.0	BLAST MONITORING.....	9
4.1	Blast Monitoring Results.....	9
5.0	NOISE.....	13
5.1	Attended Noise Monitoring Results.....	13
5.1.1	WML Noise Assessment.....	13
5.1.2	MTO Noise Assessment.....	14
5.1.3	NPfI Low Frequency Assessment.....	15
5.2	Noise Management Measures.....	18
6.0	OPERATIONAL DOWNTIME.....	18
7.0	REHABILITATION.....	19
8.0	ENVIRONMENTAL INCIDENTS.....	19
9.0	COMPLAINTS.....	20
	Appendix A: Meteorological Data.....	22

Figures

Figure 1: Rainfall Trend YTD	4
Figure 2: Charlton Ridge Wind Rose – August 2025	4
Figure 3: Air Quality Monitoring Locations	5
Figure 4: Depositional Dust – August 2025	6
Figure 5: Individual PM10 Results – August 2025	6
Figure 6: Annual Average PM10 – August 2025	7
Figure 7: Annual Average Total Suspended Particulates – August 2025	7
Figure 8: Real Time PM10 daily 24hr average (line graphs) and YTD annual average (column graphs) – August 2025	8
Figure 9: Abbey Green Blast Monitoring Results – August 2025	10
Figure 10: Bulga Village Blast Monitoring Results – August 2025	10
Figure 11: Putty Road MTIE Blast Monitoring Results – August 2025	10
Figure 12: Wollemi Peak Road Blast Monitoring Results – August 2025	10
Figure 13: Wambo Road Blast Monitoring Results – August 2025	11
Figure 14: Warkworth Blast Monitoring Results – August 2025	11
Figure 15: MTW Blast Monitoring Location Plan	12
Figure 16: Noise Monitoring Location Plan	17
Figure 17: Operational Downtime by Equipment Type – August 2025	18
Figure 18: Rehabilitation YTD – August 2025	19

Tables

Table 1: Monthly Rainfall MTW	4
Table 2: Blasting Limits	9
Table 3: L _{Aeq, 15 minute} Warkworth Impact Assessment Criteria – August 2025	13
Table 4: L _{A1, 1 minute} Warkworth - Impact Assessment Criteria – August 2025	13
Table 5: L _{Aeq, 15minute} Mount Thorley - Impact Assessment Criteria – August 2025	14
Table 6: L _{A1, 1Minute} Mount Thorley - Impact Assessment Criteria – August 2025	14
Table 7: Warkworth Low Frequency Noise Assessment – August 2025	15
Table 8: Mount Thorley Operations Low Frequency Noise Assessment – August 2025	16
Table 9: Supplementary Attended Noise Monitoring Data – August 2025	18
Table 10: Complaints Summary YTD	21
Table 11: Meteorological Data – Charlton Ridge Meteorological Station – August 2025	23

Revision History

Version No.	Version Details	Date
1.0	Final	24/10/2025

1.0 INTRODUCTION

This report has been compiled to provide a monthly summary of environmental monitoring results for Mount Thorley Warkworth (MTW). This report includes all monitoring data collected for the period 1 August to 31 August 2025.

2.0 AIR QUALITY

2.1 Meteorological Monitoring

Meteorological data is collected at MTW’s ‘Charlton Ridge’ meteorological station (refer to **Figure 3**).

2.1.1 Rainfall

Rainfall for the reporting period is summarised in **Table 1**. The year-to-date monthly rainfall totals, 2025 monthly rainfall totals and historical average monthly rainfall trend are shown in **Figure 1**.

Table 1: Monthly Rainfall MTW

2025	Monthly Rainfall (mm)	Cumulative Rainfall (mm)
August	107	528.8

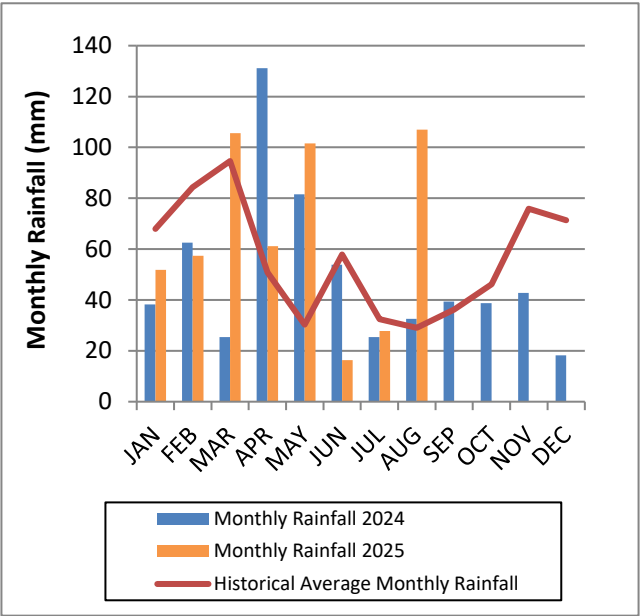


Figure 1: Rainfall Trend YTD

Note: The historical average monthly rainfall is calculated from 2007 to 2024 monthly totals.

2.1.2 Wind Speed and Direction

Winds from the South and Northwest were dominant during the reporting period as shown in **Figure 2**.

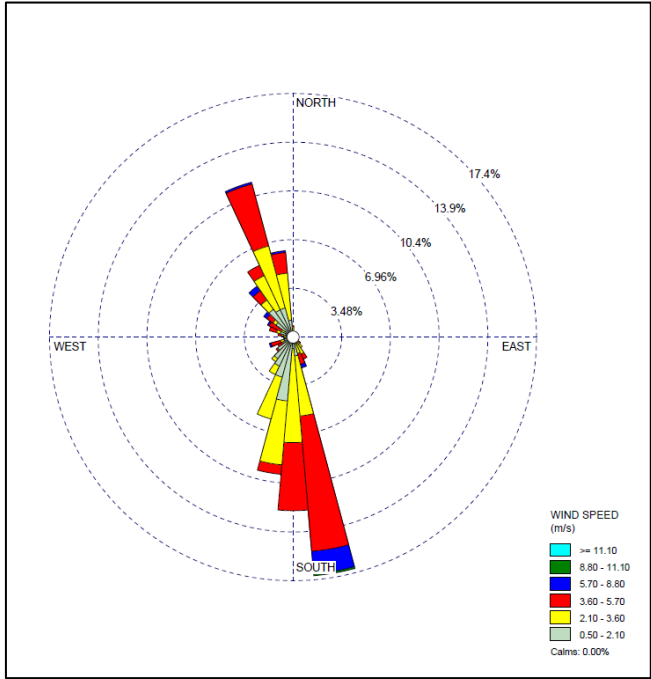
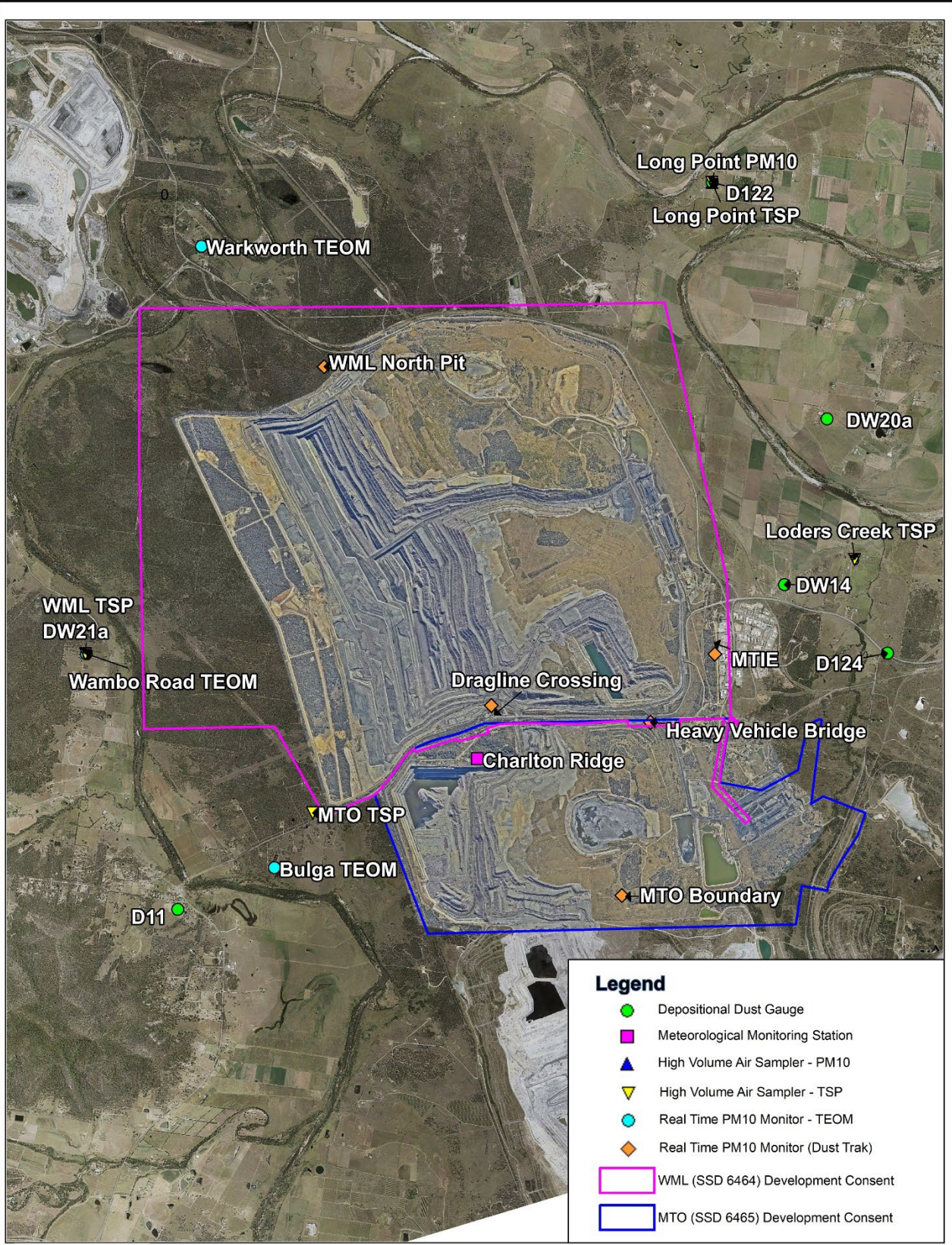


Figure 2: Charlton Ridge Wind Rose – August 2025



Air Quality Monitoring Programme

MTW



Date: 29/08/2023
 Produced By: JVB
 Map Size: A4 Portrait
 Coordinate System: MG2020 Zone 56
 Revision: 01
 Data Source: Various
 Aerial: 11Aug23 Mosaic

DISCLAIMER
 Yancoal makes every effort to ensure the quality of the information available on this map. Before relying on the information on this plan, users should carefully evaluate its accuracy, currency, completeness and relevance for their purpose and should obtain any appropriate professional advice relevant to their particular circumstances. Yancoal cannot guarantee and assumes no responsibility for the accuracy, currency or completeness of the information and by using this map you accept that Yancoal has no liability for any loss or damage in any form whatsoever caused directly or indirectly from the use of this map. © Yancoal Australia. All boundaries shown should be considered approximate only and subject to survey.

Figure 3: Air Quality Monitoring Locations

2.2 Depositional Dust

To monitor air quality, MTW operates and maintains a network of seven depositional dust gauges, situated on private and mine owned land surrounding MTW.

During the reporting period the Warkworth monitor recorded a monthly result above the long-term impact assessment criteria of 4.0 g/m² per month. There is no evidence to suggest that the result is contaminated. Accordingly, the result will be included in the annual average calculation.

Figure 4 displays insoluble solids results from depositional dust gauges during the reporting period compared against the year-to-date average and the annual impact assessment criteria.

An annual assessment of MTW’s compliance with the Long-Term Impact Assessment Criteria will be provided in the 2025 Annual Review Report.

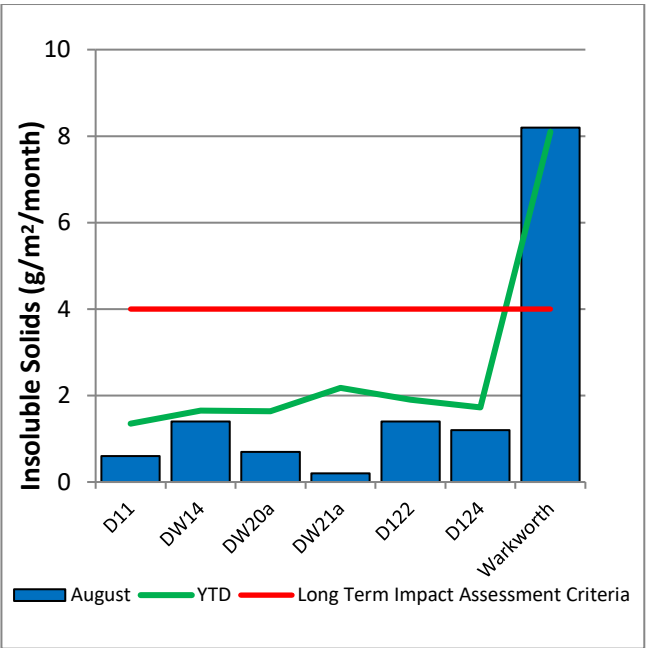


Figure 4: Depositional Dust – August 2025

2.3 Suspended Particulates

Suspended particulates are measured by a network of High Volume Air Samplers (HVAS) measuring Total Suspended Particulates (TSP) and Particulate Matter <10µm (PM₁₀). The location of these monitors can be found in Figure 3. Each HVAS was run for 24 hours on a six-day cycle in accordance with EPA requirements.

2.3.1 HVAS PM₁₀ Results

Figure 5 shows the individual PM₁₀ results at each monitoring station against the short-term impact assessment criteria of 50µg/m³.

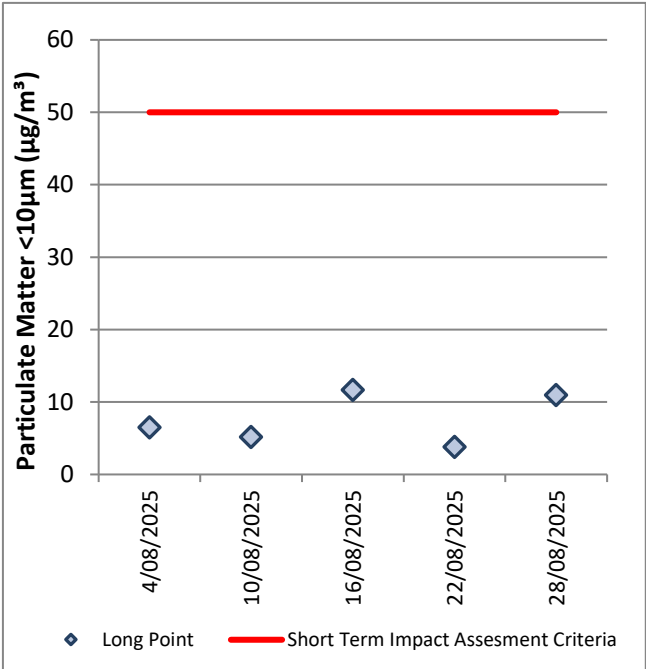


Figure 5: Individual PM10 Results – August 2025

Figure 6 shows the annual average PM10 result against the long-term impact assessment criteria.

An assessment of MTW’s compliance with the Long-Term Impact Assessment Criteria will be provided in the 2025 Annual Review Report.

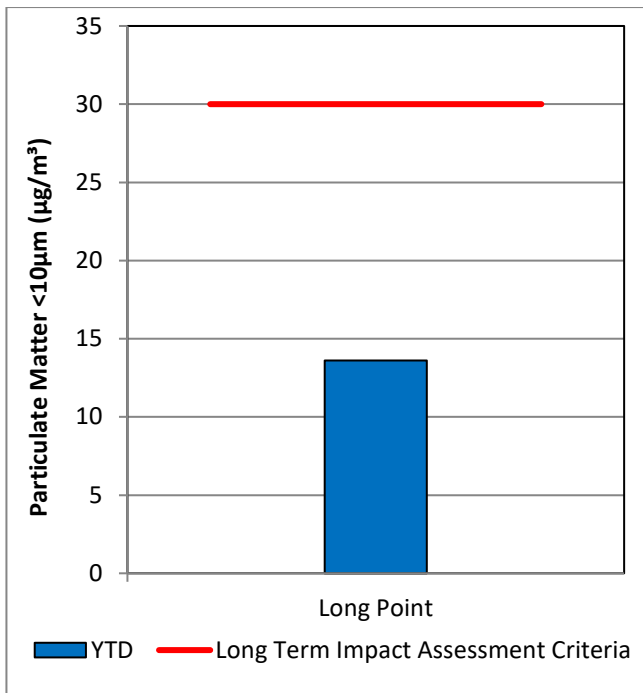


Figure 6: Annual Average PM₁₀ – August 2025

2.3.2 TSP Results

Figure 7 shows the annual average TSP results compared against the long-term impact assessment criteria of 90µg/m³.

An assessment of MTW's compliance with the Long-Term Impact Assessment Criteria will be provided in the 2025 Annual Review Report.

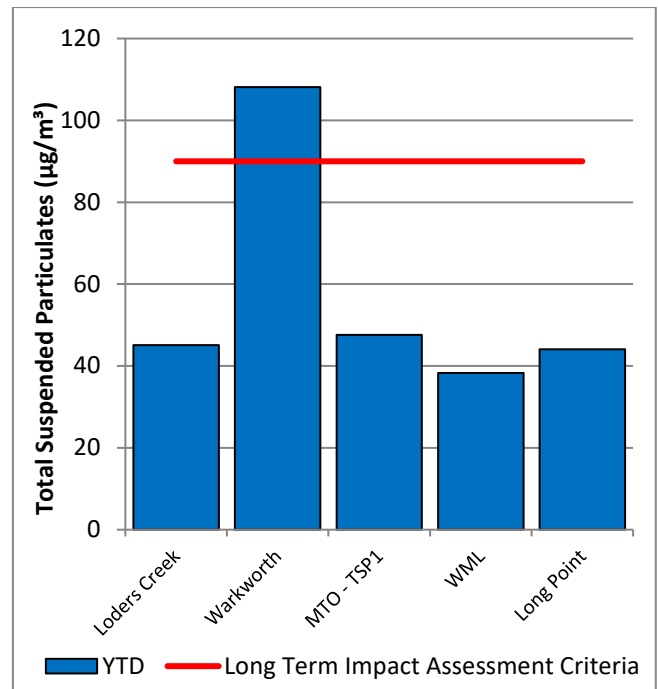


Figure 7: Annual Average Total Suspended Particulates – August 2025

2.3.3 Real Time PM₁₀ Results

MTW maintains a network of real time PM₁₀ monitors. The real time air quality monitoring stations continuously log information and transmit data to a central database, generating internal alerts when particulate matter levels exceed internal trigger limits.

Results for real time dust sampling are shown in Figure 8, including the daily 24-hour average PM₁₀ result and the annual PM₁₀ average.

On 8 August 2025, the Warkworth TEOM (51.8 ug/m3) exceeded the short term (24hr) criteria. An external consultant was engaged to investigate the exceedance. The investigation determined that the maximum potential contribution from MTW at the Warkworth monitor was 37.9 µg/m3, less than 73% contribution to the result. This was based on an analysis of meteorological data, estimated background particulate levels and position of the site in relation to MTW. Accordingly, no further action is required (as per the approved Air Quality Monitoring Programme).

Data from the Wambo Road monitor was not available on 5 August due to equipment issues.

2.3.4 Real Time Alarms for Air Quality

During August, the real time monitoring system generated 55 automated air quality related alerts, including 8 alerts for

adverse meteorological conditions and 47 alerts for elevated PM₁₀ levels.

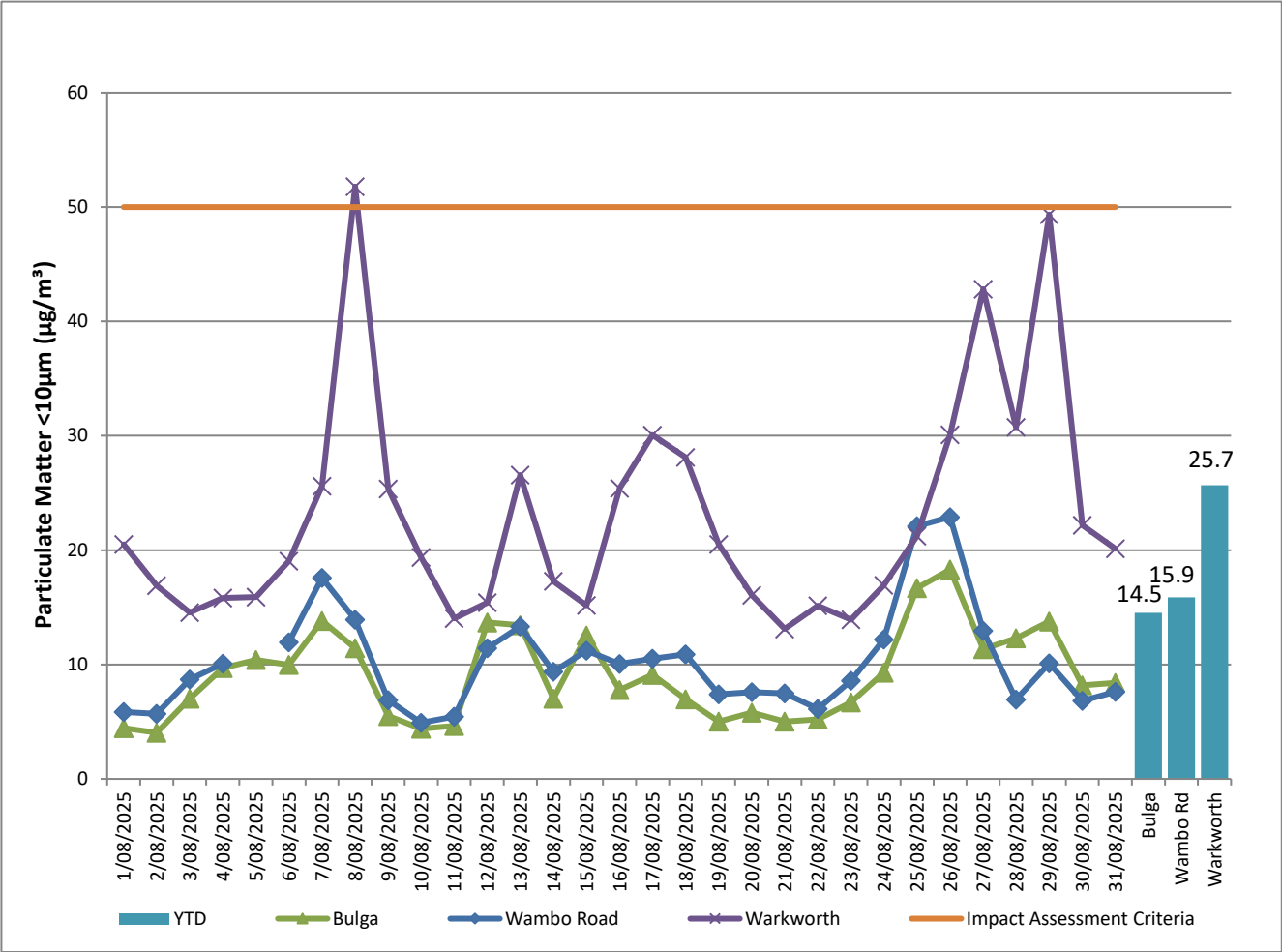


Figure 8: Real Time PM₁₀ daily 24hr average (line graphs) and YTD annual average (column graphs) – August 2025

3.0 WATER QUALITY

MTW maintains a network of surface water and groundwater monitoring sites.

3.1 Surface Water

Monitoring is conducted at mine site dams and surrounding natural watercourses.

Surface water courses are sampled on a monthly or quarterly sampling regime. Water quality is evaluated through the parameters of pH, Electrical Conductivity (EC) and Total Suspended Solids (TSS). The Hunter River and the Wollombi Brook are sampled both upstream and downstream of mining operations, to record background water quality and to monitor the potential impact of mining on the river system. Other Hunter River tributaries are also monitored.

Results of monitoring are reported quarterly, next available in the September 2025 report.

3.2 HRSTS Discharge

MTW participates in the Hunter River Salinity Trading Scheme (HRSTS), allowing discharge from licensed discharge points located at Dam 1N and Dam 9S. Discharges can only take place subject to HRSTS regulations.

MTW did undertake HRSTS discharges in August. MTW discharged 769.6 ML from Dam 9S during the reporting period.

3.3 Groundwater Monitoring

Groundwater monitoring is undertaken on a quarterly basis in accordance with the MTW Groundwater Monitoring Programme.

Groundwater results are reported quarterly, next available in the September 2025 report.

4.0 BLAST MONITORING

MTW have a network of six blast monitoring units. These are located at nearby privately owned residences and function as regulatory compliance monitors.

The location of these monitors can be found in **Figure 15**.

4.1 Blast Monitoring Results

During August 2025, 16 blasts were initiated at MTW. **Figure 9** to **Figure 14** show the blast monitoring results for the reporting period against the impact assessment criteria. The criteria are summarised in **Table 2**.

Table 2: Blasting Limits

Airblast Overpressure (dB(L))	Comments
115	5% of the total number of blasts in a 12 month period at WML or MTO
120	0%
Ground Vibration (mm/s)	Comments
5	5% of the total number of blasts in a 12 month period at WML or MTO
10	0%

During the reporting period one blast exceeded the 115dB(L) threshold for Airblast overpressure at the Bulga Village monitoring location (117.3dB). No blasts exceed the 120dB(L) threshold for airblast overpressure. No blasts exceed the 5mm/s criteria for ground vibration

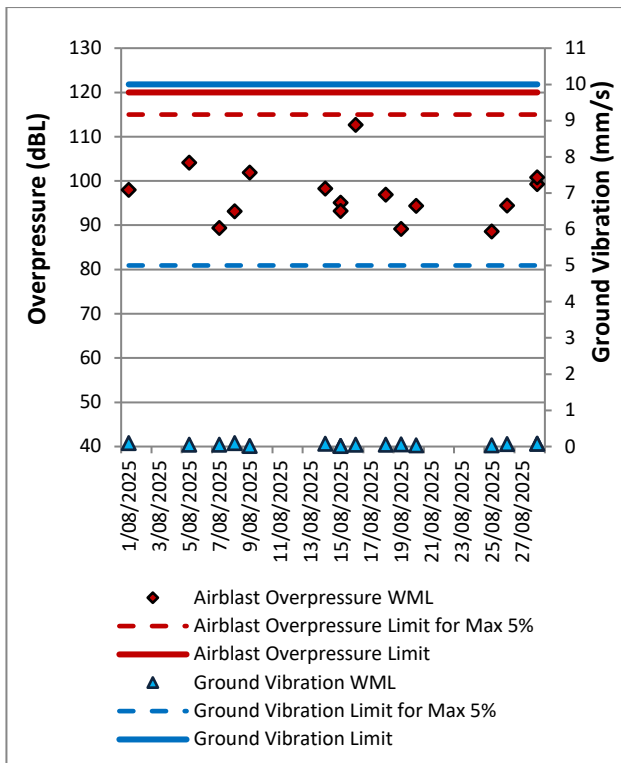


Figure 9: Abbey Green Blast Monitoring Results – August 2025

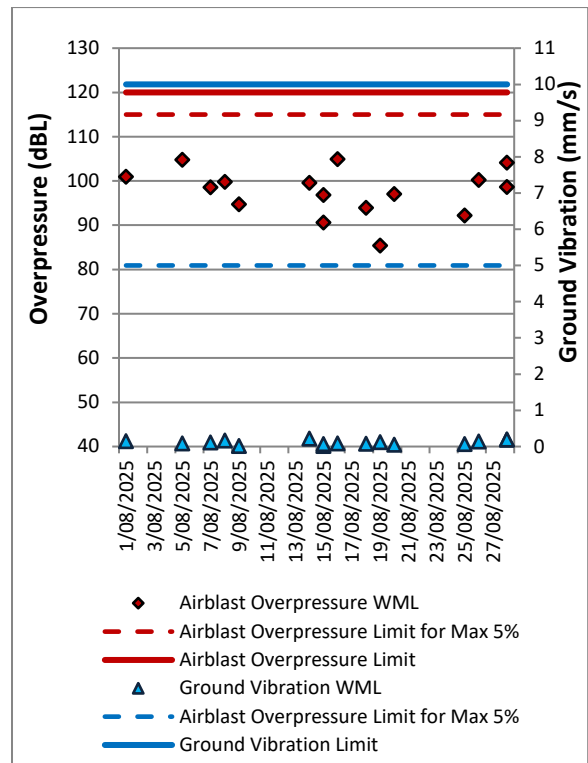


Figure 11: Putty Road MTIE Blast Monitoring Results – August 2025

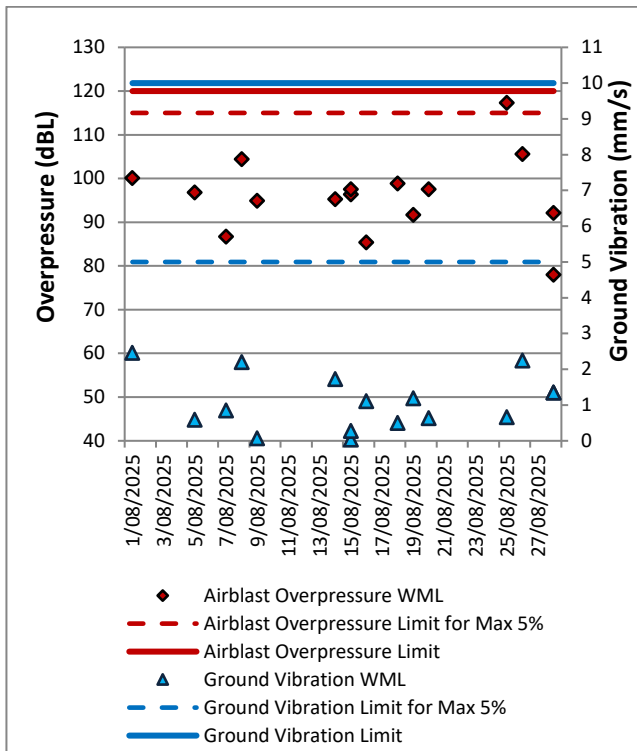


Figure 10: Bulga Village Blast Monitoring Results – August 2025

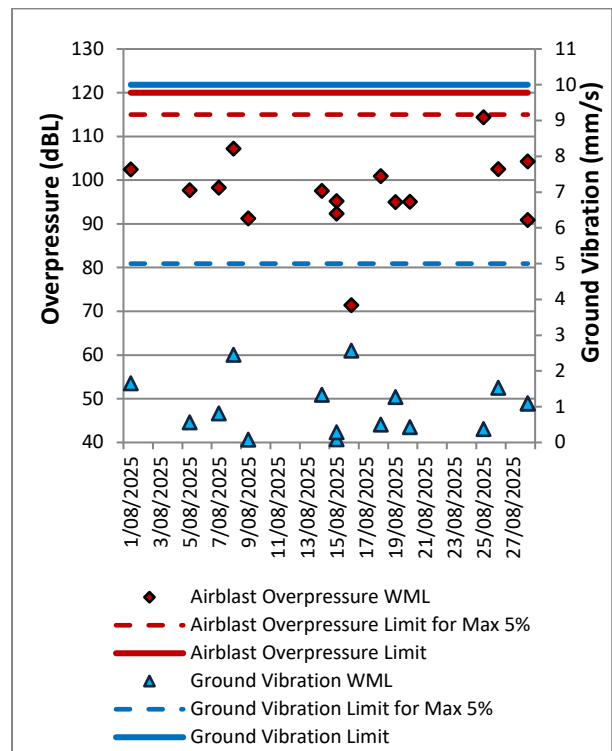


Figure 12: Wollemi Peak Road Blast Monitoring Results – August 2025

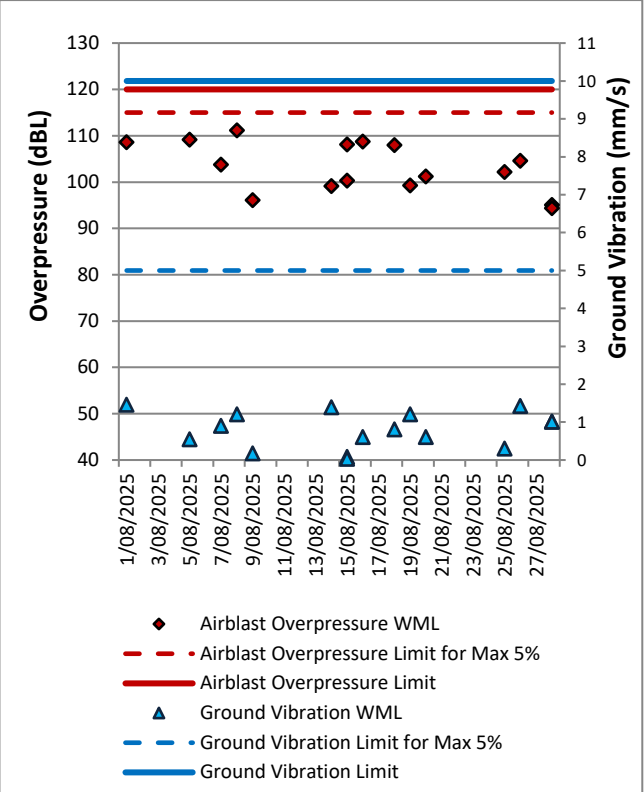


Figure 13: Wambo Road Blast Monitoring Results – August 2025

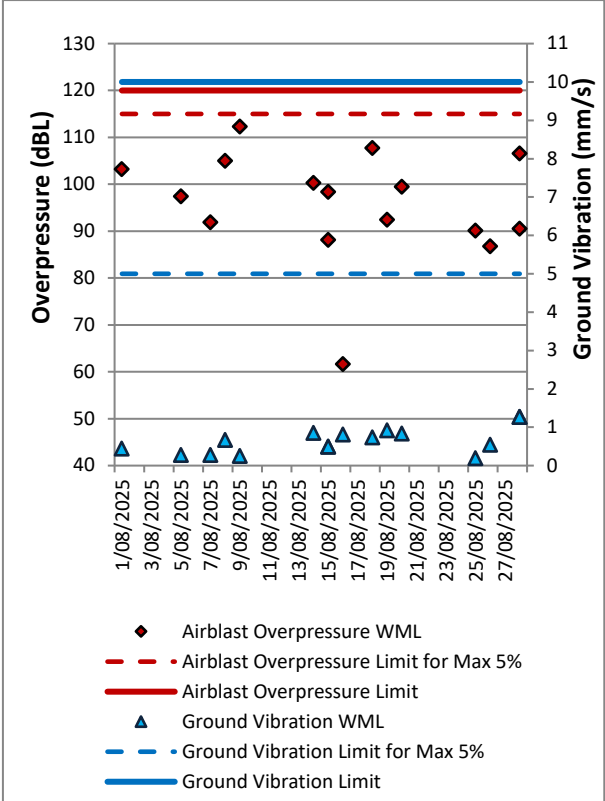


Figure 14: Warkworth Blast Monitoring Results – August 2025

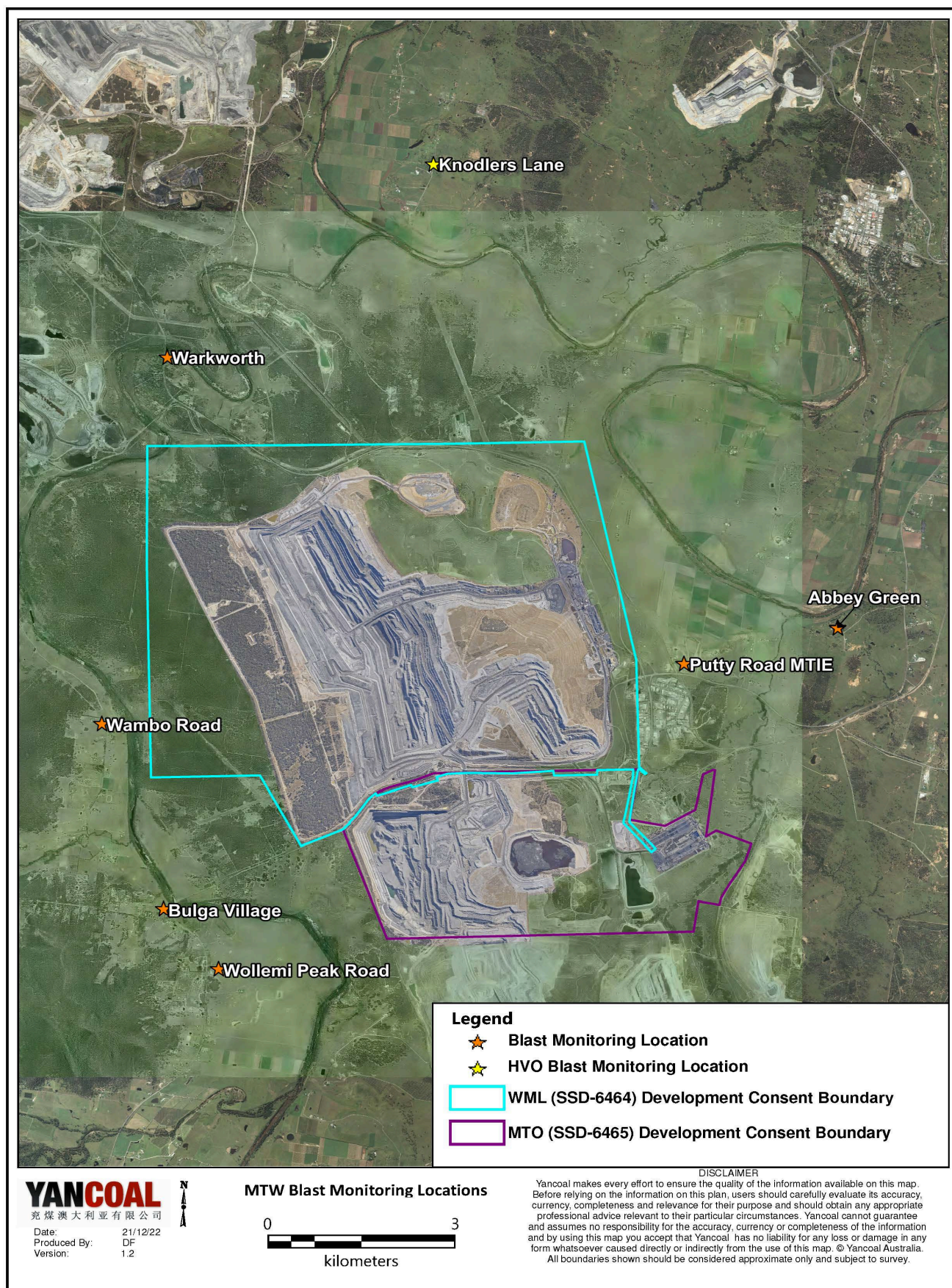


Figure 15: MTW Blast Monitoring Location Plan

5.0 NOISE

Routine attended noise monitoring is carried out in accordance with the MTW Noise Management Plan. A review against EIS predictions will be reported in the Annual Review. The purpose of the noise surveys is to quantify and describe the acoustic environment around the site and compare results with specified limits. Real time noise monitoring also occurs at five sites surrounding MTW. Noise monitoring locations are displayed in **Figure 16**.

5.1 Attended Noise Monitoring Results

Attended monitoring was conducted at receiver locations surrounding MTW on the nights of 12 & 18 August 2025. Measurements complied with the relevant criteria, with the exception of WML levels at Wambo Road, where noise levels were increased by the applicability of a low frequency modifying factor (refer to **Table 7**). Follow up monitoring conducted on 18 August 2025 (as required by the MTW Noise Management Plan) complied with the relevant criteria at the remeasured location. Results are detailed in **Table 3** to **Table 6**.

5.1.1 WML Noise Assessment

Compliance assessments undertaken against the WML noise criteria are presented in **Tables 3** and **4**.

Table 3: LAeq, 15 minute Warkworth Impact Assessment Criteria – August 2025

Location	Date and Time	Wind Speed (m/s)	Stability Class	Criterion dB(A)	Criterion Applies? ¹	WML LAeq dB ^{2,3}	Exceedance ^{3,4}
Bulga RFS	12/08/2025 23:20	2.6	D	37	Yes	34	Nil
Bulga Village	12/08/2025 21:58	2.3	D	38	Yes	35	Nil
Gouldsville	12/08/2025 21:21	1.3	E	38	Yes	1A	Nil
Inlet Road	12/08/2025 22:29	1.6	D	37	Yes	34	Nil
Inlet Road West	12/08/2025 21:00	1.3	D	35	Yes	29	Nil
Long Point	12/08/2025 21:00	1.7	D	35	Yes	1A	Nil
South Bulga	13/08/2025 0:09	1.9	D	35	Yes	1A	Nil
Wambo Road	12/08/2025 21:29	2.2	E	38	Yes	39	1
Wambo Road ⁵	18/08/2025 22:43	3.6	D	38	No	26	N/A

Notes:

1. Noise criteria apply during all meteorological conditions except the following: wind speeds greater than 3 m/s measured at 10 metres above ground level; stability category F temperature inversion conditions and wind speeds greater than 2m/s at 10m above ground level; or stability category G temperature inversion conditions. Criterion may or may not apply due to rounding of meteorological data values;

2. Site-only LAeq,15minute attributed to WML, including modifying factors if applicable;

3. Bold results in red indicate exceedance of relevant criterion; and

4. NA in exceedance column means atmospheric conditions outside conditions specified in consent, therefore criterion was not applicable.

5. Follow up measurement after measured exceedance.

Table 4: LA1, 1 minute Warkworth - Impact Assessment Criteria – August 2025

Location	Date and Time	Wind Speed (m/s)	Stability Class	Criterion dB(A)	Criterion Applies? ¹	WML LA1, 1min dB ^{2,3}	Exceedance ^{3,4}
Bulga RFS	12/08/2025 23:20	2.6	D	47	Yes	40	Nil
Bulga Village	12/08/2025 21:58	2.3	D	48	Yes	44	Nil
Gouldsville	12/08/2025 21:21	1.3	E	48	Yes	1A	Nil
Inlet Road	12/08/2025 22:29	1.6	D	47	Yes	45	Nil
Inlet Road West	12/08/2025 21:00	1.3	D	45	Yes	34	Nil
Long Point	12/08/2025 21:00	1.7	D	45	Yes	1A	Nil
South Bulga	13/08/2025 0:09	1.9	D	45	Yes	1A	Nil
Wambo Road	12/08/2025 21:29	2.2	E	48	Yes	43	Nil

Location	Date and Time	Wind Speed (m/s)	Stability Class	Criterion dB(A)	Criterion Applies? ¹	WML L _{A1, 1min} dB ^{2,3}	Exceedance ^{3,4}
Wambo Road ⁵	18/08/2025 22:43	3.6	D	48	No	30	N/A

Notes:

1. Noise criteria apply during all meteorological conditions except the following: wind speeds greater than 3 m/s measured at 10 metres above ground level; stability category F temperature inversion conditions and wind speeds greater than 2m/s at 10m above ground level; or stability category G temperature inversion conditions. Criterion may or may not apply due to rounding of meteorological data values;

2. Site-only L_{A1,1minute} attributed to WML;

3. Bold results in red indicate exceedance of relevant criterion; and

4. NA in exceedance column means atmospheric conditions outside conditions specified in consent, therefore criterion was not applicable.

5. Follow up measurement after measured exceedance.

5.1.2 MTO Noise Assessment

Compliance assessments undertaken against the MTO noise criteria are presented in Table 5 and 6.

Table 5: L_{Aeq, 15minute} Mount Thorley - Impact Assessment Criteria – August 2025

Location	Date and Time	Wind Speed (m/s)	Stability Class	Criterion dB	Criterion Applies? ¹	MTO L _{Aeq} dB ^{2,3}	Exceedance ^{3,4}
Bulga RFS	12/08/2025 23:20	2.6	D	37	Yes	29	Nil
Bulga Village	12/08/2025 21:58	2.3	D	38	Yes	<25	Nil
Gouldsville	12/08/2025 21:21	1.3	E	35	Yes	IA	Nil
Inlet Road	12/08/2025 22:29	1.6	D	37	Yes	<20	Nil
Inlet Road West	12/08/2025 21:00	1.3	D	35	Yes	26	Nil
Long Point	12/08/2025 21:00	1.7	D	35	Yes	IA	Nil
South Bulga	13/08/2025 0:09	1.9	D	36	Yes	27	Nil
Wambo Road	12/08/2025 21:29	2.2	E	38	Yes	<25	Nil
Wambo Road ⁵	18/08/2025 22:43	3.6	D	38	No	26	N/A

Notes:

1. Noise criteria apply during all meteorological conditions except the following: wind speeds greater than 3 m/s measured at 10 metres above ground level; stability category F temperature inversion conditions and wind speeds greater than 2m/s at 10m above ground level; or stability category G temperature inversion conditions. Criterion may or may not apply due to rounding of meteorological data values;

2. Site-only L_{Aeq,15minute} attributed to MTO, including modifying factors if applicable;

3. Bold results in red indicate exceedance of relevant criterion; and

4. NA in exceedance column means atmospheric conditions outside conditions specified in consent, therefore criterion was not applicable.

5. Follow up measurement after measured exceedance.

Table 6: L_{A1, 1Minute} Mount Thorley - Impact Assessment Criteria – August 2025

Location	Date and Time	Wind Speed (m/s)	Stability Class	Criterion dB	Criterion Applies? ¹	MTO L _{A1, 1min} dB ^{2,3}	Exceedance ^{3,4}
Bulga RFS	12/08/2025 23:20	2.6	D	47	Yes	38	Nil
Bulga Village	12/08/2025 21:58	2.4	D	48	Yes	30	Nil
Gouldsville	12/08/2025 21:21	2.1	E	45	Yes	IA	Nil
Inlet Road	12/08/2025 22:29	2.5	D	47	Yes	<20	Nil
Inlet Road West	12/08/2025 21:00	1.7	D	45	Yes	33	Nil
Long Point	12/08/2025 21:00	1.7	D	45	Yes	IA	Nil
South Bulga	13/08/2025 0:09	2.7	D	46	Yes	33	Nil
Wambo Road	12/08/2025 21:29	2	E	48	Yes	<25	Nil
Wambo Road ⁵	18/08/2025 22:43	3.6	D	48	No	30	N/A

Notes:

1. Noise criteria apply during all meteorological conditions except the following: wind speeds greater than 3 m/s measured at 10 metres above ground level; stability category F temperature inversion conditions and wind speeds greater than 2m/s at 10m above ground level; or stability category G temperature inversion conditions. Criterion may or may not apply due to rounding of meteorological data values;

2. Site-only L_{A1,1minute} attributed to MTO;

3. Bold results in red indicate exceedance of relevant criterion; and

4. NA in exceedance column means atmospheric conditions outside conditions specified in consent, therefore criterion was not applicable.

5. Follow up measurement after measured exceedance.

5.1.3 NPfl Low Frequency Assessment

In accordance with the requirements of the EPA's Noise Policy for Industry (NPfl), the applicability of the low frequency modification factor corrections has been assessed. This resulted in the application of a 2dB penalty to the site only LAeq for the measurements taken at Wambo Road on 12 August 2025. Resulting LAeq noise levels exceed the WML impact assessment criteria at Wambo Road by 1dB.

As described in **Section 8**, the Wambo Road results and MTW's response was reported to the Department of Planning, Housing and Infrastructure.

The WML assessment for low frequency noise is shown in **Table 7** and the MTO assessment for low frequency noise is shown in **Table 8**.

Table 7: Warkworth Low Frequency Noise Assessment – August 2025

Location	Date and Time	Measured WML LAeq dB	Criterion Applies?	Intermittency Modifying Factor? ¹	Tonality Modifying Factor? ¹	Frequency of Tonality ¹	Low-frequency Modifying Factor?	Maximum Exceedance of Reference Spectrum ^{1,2}	Penalty dB ²
Bulga RFS	12/08/2025 23:20	34	Yes	No	No	N/A	No	N/A	Nil
Bulga Village	12/08/2025 21:58	35	Yes	No	No	N/A	No	N/A	Nil
Gouldsville	12/08/2025 21:21	1A	Yes	No	No	N/A	No	N/A	Nil
Inlet Road	12/08/2025 22:29	34	Yes	No	No	N/A	No	N/A	Nil
Inlet Road West	12/08/2025 21:00	29	Yes	No	No	N/A	No	N/A	Nil
Long Point	12/08/2025 21:00	1A	Yes	No	No	N/A	No	N/A	Nil
South Bulga	13/08/2025 0:09	1A	Yes	No	No	N/A	No	N/A	Nil
Wambo Road	12/08/2025 21:29	37	Yes	No	No	N/A	Yes	1 dB at 80 Hz	2
Wambo Road ³	18/08/2025 22:43	26	No	N/A	N/A	N/A	N/A	N/A	N/A

Notes:

1. Yes/No denote modifying factor was or was not applied. NA denotes 'not applicable'; and

2. Bold results indicate that application of NPfl modifying factor/s is required.

3. Follow up measurement within one week of measured exceedance.

Table 8: Mount Thorley Operations Low Frequency Noise Assessment – August 2025

Location	Date and Time	Measured MTO LAeq dB	Criterion Applies?	Intermittency Modifying Factor? ¹	Tonality Modifying Factor? ¹	Frequency of Tonality ¹	Low-frequency Modifying Factor? ¹	Maximum Exceedance of Reference Spectrum ^{1,2}	Penalty dB ²
Bulga RFS	12/08/2025 23:20	29	Yes	No	No	N/A	No	N/A	Nil
Bulga Village	12/08/2025 21:58	<25	Yes	No	No	N/A	No	N/A	Nil
Gouldsville	12/08/2025 21:21	1A	Yes	No	No	N/A	No	N/A	Nil
Inlet Road	12/08/2025 22:29	<20	Yes	No	No	N/A	No	N/A	Nil
Inlet Road West	12/08/2025 21:00	26	Yes	No	No	N/A	No	N/A	Nil
Long Point	12/08/2025 21:00	1A	Yes	No	No	N/A	No	N/A	Nil
South Bulga	13/08/2025 0:09	27	Yes	No	No	N/A	No	N/A	Nil
Wambo Road	12/08/2025 21:29	<25	Yes	No	No	N/A	No	N/A	Nil
Wambo Road ³	18/08/2025 22:43	26	No	N/A	N/A	N/A	N/A	N/A	N/A

Notes:

1. Yes/No denote modifying factor was or was not applied. NA denotes 'not applicable'; and

2. Bold results indicate that application of NPfI modifying factor/s is required.

3. Follow up measurement within one week of measured exceedance.

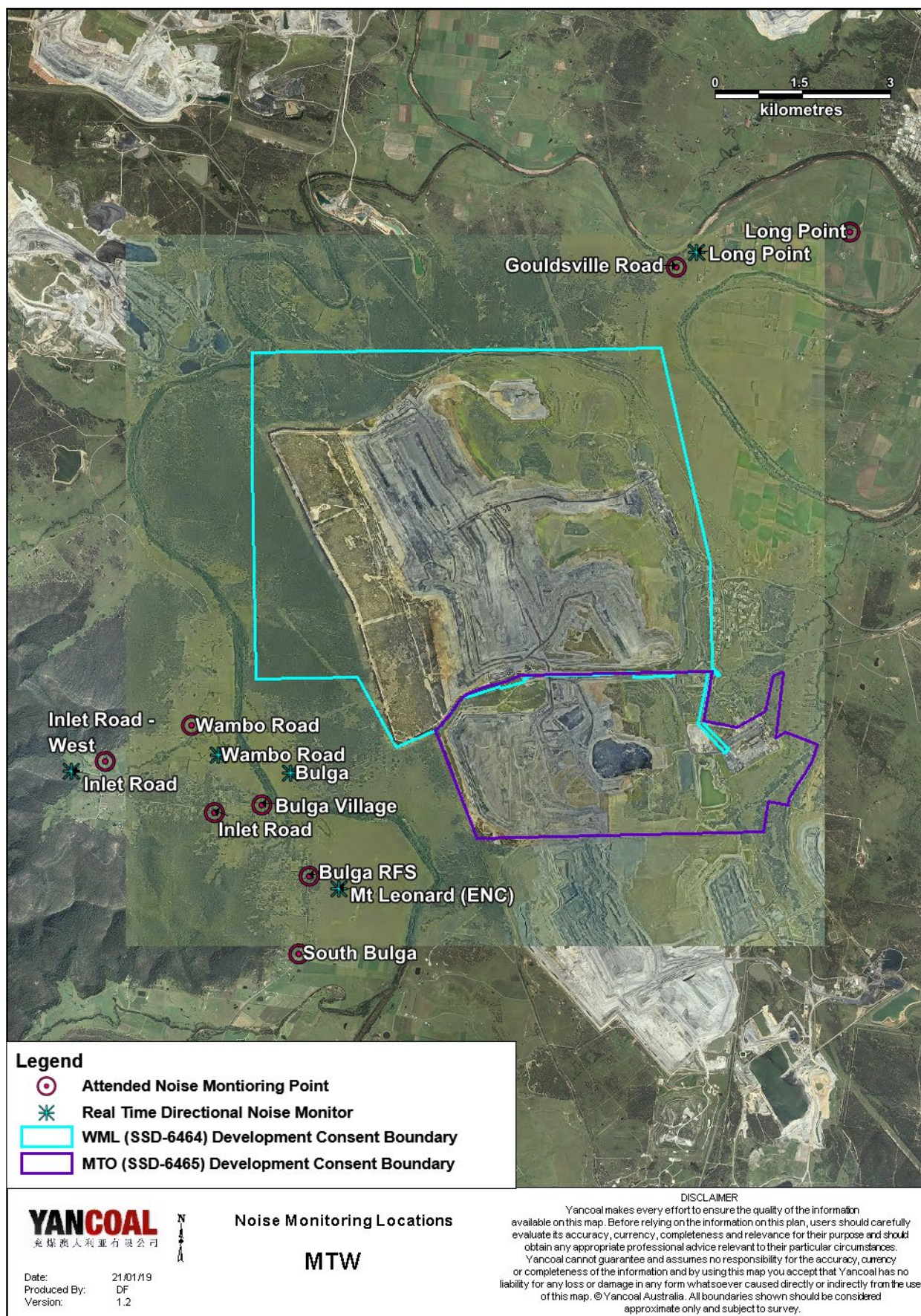


Figure 16: Noise Monitoring Location Plan

5.2 Noise Management Measures

A program of targeted supplementary attended noise monitoring is in place at MTW, supported by the real-time directional monitoring network and ensuring the highest level of noise management is maintained. The supplementary program is undertaken by MTW personnel and involves:

- Routine inspections from both inside and outside the mine boundary;
- Routine and as-required handheld noise assessments (undertaken in response to noise alarm and/or community complaint), comparing measured levels against consent noise limits; and
- Validation monitoring following operational modifications to assess the adequacy of the modifications.

Where a noise assessment identifies noise emissions which are exceeding the relevant noise limit(s) for any particular residence, modifications will be made to ensure that the noise event is resolved within 75 minutes of identification. The actions taken are commensurate with the nature and severity of the noise event, but can include:

- Changing the haul route to a less noise sensitive haul;
- Changing dump locations (in-pit or less exposed dump option);
- Reducing equipment numbers;
- Shut down of task; or
- Site shut down.

A summary of these assessments undertaken during the reporting period are provided in **Table 9**.

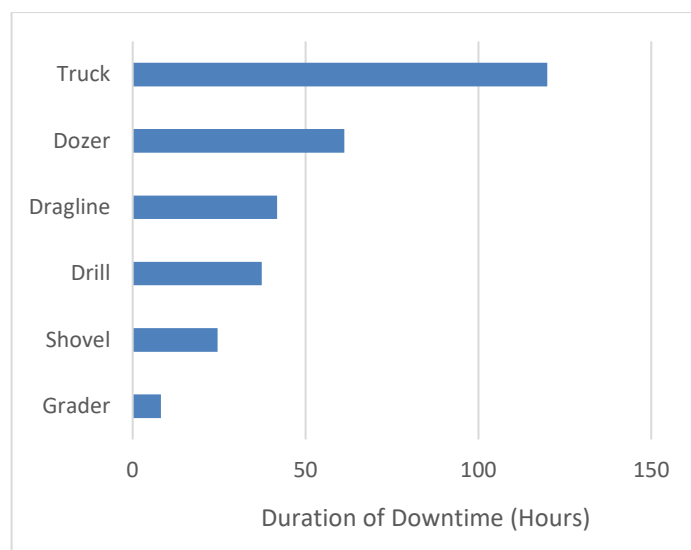
Table 9: Supplementary Attended Noise Monitoring Data – August 2025

No. of assessments	No. of assessments > trigger	No. of nights where assessments > trigger	% greater than trigger
722	11	6	1.5

6.0 OPERATIONAL DOWNTIME

During August, a total of 292.9 hours of equipment downtime was logged in response to environmental events such as dust, noise and adverse meteorological conditions. Operational downtime by equipment type is shown in **Figure 17**.

Figure 17: Operational Downtime by Equipment Type – August 2025



7.0 REHABILITATION

During August 2025, 10.7 Ha of land was released, 5.3 Ha was bulk shaped, 3.3 Ha was topsoiled, 5.2 Ha was composted and 37 Ha was rehabilitated.

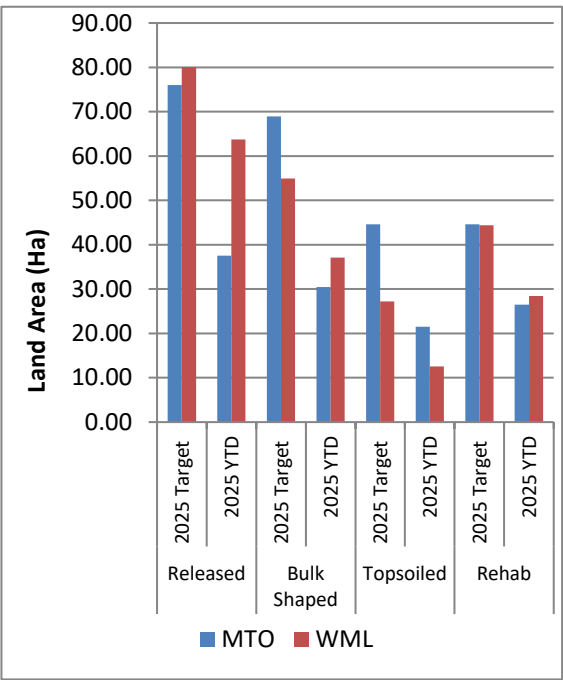


Figure 18: Rehabilitation YTD – August 2025

8.0 ENVIRONMENTAL INCIDENTS

There was three environmental incident recorded during the reporting period.

On 3 August 2025, sediment dams 56N and 57N overtopped their spillway's due to a rainfall event that exceeded the design rainfall event of the sediment dams. Rainfall started at approximately 1:52am on Saturday 2 August and continued until approximately 8:41pm on Sunday 3 August 2025. A total of 70.0 mm of rainfall was recorded at MTW's meteorological station Charlton Ridge. The sediment dams were actively dewatered during the rainfall event in response to the rainfall, and continued post rainfall event to return the dams to their lowest operable level. Notifications to the relevant regulatory authorities were undertaken by the MTW Environment and Community Manager in accordance with the sites Pollution Incident Response Management Plan.

On 5 August 2025, evidence of unauthorised access and vegetation clearing (two trees felled and removed) was observed by a contractor whilst undertaking weed control activities at MTW's North Rothbury Biodiversity Area (BA). A follow up inspection identified that an additional tree had been cut through but had not yet fallen because it was "hung up" in an adjacent tree. The North Rothbury BA Management Plan lists the clearing or destruction of native vegetation and the removal of standing or fallen dead timber as a prohibited action. Notifications to the relevant regulatory authorities were undertaken. MTW has undertaken actions to minimise risk of reoccurrence of this unauthorised activity.

An exceedance of the WML noise criterion was recorded at the Wambo Road monitoring location on 12 August 2025 starting at 21:29. A mining equipment continuum from WML was audible throughout the measurement, generating a site-only LAeq of 37dB. A low frequency modifying factor of +2dB was applicable in accordance with the NPfi resulting in an adjusted site-only LAeq of 39dB, which exceeded the relevant criterion by 1dB. In accordance with the approved Noise Management Plan Process, after the conclusion of the entire noise monitoring survey on 13 August 2025 at 01:03am, the noise consultant advised MTW of the potential noise exceedance at the Wambo Road

location. There were no other exceedances of noise criteria identified by the noise consultant. MTW had already undertaken supplementary noise readings on 12/8/25 at Wambo Road and another location and implemented operational changes between 19:50 and 22:30. After operational controls were implemented in response to noise management at the Wambo Road location, all supplementary handheld noise readings (8 in total) taken between 12/8/25 22:50 and 13/8/25 04:05 were within the relevant noise criteria at all locations inclusive of one supplementary noise measurement at the Wambo Road location at 13/08/25 00:05 which was 36dBA (with no low frequency modifying factor identified during measurement, 2dB below relevant criteria). No further operational changes were necessary in response to supplementary noise monitoring at any location.

Follow up attended compliance monitoring in response to the recorded exceedance was conducted at the Wambo Road location at 18/8/2025 22:43, (i.e. within 2 weeks) in accordance with the process outlined in the approved NMP. The noise level during follow up monitoring from WML was LAeq, 15min 26 dB, and LA1, 1min 30 dB which complied with the relevant noise criteria. The Department of Planning, Housing and Infrastructure was notified of the exceedance measurement on 13 August 2025. A written report was also provided to DPHI on 20 August 2025 and a further report was provided to DPHI on 5 September 2025. The private residences within the Wambo Road representative monitoring area were also notified of the noise exceedance as required by the NMP.

9.0 COMPLAINTS

Nine complaints were received during the reporting period. Details of these complaints are shown in **Table 10**.

Table 10: Complaints Summary YTD

	Noise	Dust	Blast	Lighting	Other	Total
January	0	3	3	2	0	8
February	2	0	3	2	1	8
March	8	2	5	1	0	16
April	6	4	7	0	0	17
May	4	0	3	0	0	7
June	2	11	1	0	0	14
July	3	3	2	3	2	13
August	4	1	4	0	0	9
September						
October						
November						
December						
Total	29	24	28	8	3	92

Appendix A: Meteorological Data

Table 11: Meteorological Data – Charlton Ridge Meteorological Station – August 2025

Date	Air Temperature		Relative Humidity		Wind Direction	Wind Speed	Rainfall
	Maximum (°C)	Minimum (°C)	Maximum (%)	Minimum (%)	Average (°)	Average (m/sec)	total (mm)
1/08/2025	15	7	95	63	179	3.4	0.0
2/08/2025	11	8	100	94	169	5.4	55.6
3/08/2025	17	10	100	78	168	5.0	14.4
4/08/2025	19	8	100	64	183	3.0	0.2
5/08/2025	20	8	100	56	256	2.2	0.2
6/08/2025	19	6	100	34	247	1.8	0.0
7/08/2025	14	4	100	73	182	2.8	1.2
8/08/2025	15	8	90	65	170	4.1	0.0
9/08/2025	17	9	100	67	176	3.8	4.6
10/08/2025	18	8	100	60	175	3.4	0.2
11/08/2025	17	6	100	52	186	2.3	0.0
12/08/2025	17	4	100	40	210	1.7	0.2
13/08/2025	19	3	100	39	226	1.5	0.0
14/08/2025	14	8	100	69	187	2.9	0.8
15/08/2025	19	7	100	53	230	1.7	0.0
16/08/2025	20	6	100	39	273	3.1	0.8
17/08/2025	16	3	84	36	247	2.5	0.0
18/08/2025	16	3	96	39	196	2.4	0.2
19/08/2025	17	6	100	59	175	2.5	4.0
20/08/2025	13	7	100	87	169	3.3	12.2
21/08/2025	13	9	100	87	156	2.4	11.4
22/08/2025	18	9	100	69	229	1.3	0.6
23/08/2025	21	9	100	43	250	2.6	0.0
24/08/2025	20	8	100	44	247	1.5	0.2
25/08/2025	22	8	100	48	210	1.8	0.0
26/08/2025	24	7	100	41	222	1.9	0.0
27/08/2025	23	10	80	44	276	4.2	0.0
28/08/2025	20	9	80	30	271	4.2	0.0
29/08/2025	20	8	64	31	270	4.6	0.0
30/08/2025	17	5	86	33	270	4.1	0.2
31/08/2025	19	2	92	35	264	2.5	0.0