

Mt Arthur Coal

Community Consultative Committee

Planned Meeting Date: 4 March 2026

Information provided: 1 October 2025 to 31 December 2025

Environmental Management

FY26 Rehabilitation & Land Management Update

Mt Arthur's Rehabilitation Strategy is being revised after MOD2. Scheduled to be loaded in the Department Portal and directed to MSC, CPHR and the Resource Regulator in March for submission to DPHI 2 April.

Mt Arthur's FY26 target is 70ha of rehabilitation in the Saddlers North pit area (Figure 1 below), approximately 35ha of woodland and 35ha of pasture. The execution team have all but completed the bulk shaping works and are well progressed shaping the drainage lines. Topsoil and compost is beginning to be spread across the shaped landform in preparation for seeding in Autumn.

Since November weed treatment has focussed on maintenance of FY25 woodland rehabilitation areas at Saddlers North with 12-month walkover and spot weed treatment completed. Weed treatment has also targeted exotic grassed in establishing woodland rehabilitation including CD1, VD4 and VD5. Galenia was targeted across existing rehab in McDonalds.

Mt Arthur will be establishing an onsite nursery in FY26 to assist with tube stock supply and support local seed collection activities.

Pest programs for feral dogs, goats and pigs are currently underway.



Figure 1. Saddlers North Pit area

Environmental Performance

Air Quality Monitoring (1 October 2025 to 31 December 2025)

- This paper covers the performance of all six statutory PM10 monitoring sites using TEOMs, and the two dust deposition gauges.
- In accordance with the Project Approval Consolidated Consent received on 16 April 2025, an air quality incident is now defined as an incremental impact of the 24-hour averaging period criterion.
- During the reporting period, the impact assessment criteria was not exceeded at any of the statutory TEOM monitoring sites.
- Table 1 below provides an equipment performance summary. Over 95% of dust data captured from five statutory PM10 monitoring sites during the reporting period.
- A significant storm event on 26 November 2025 resulted in a power outage in Muswellbrook and Denman, where three statutory PM10 monitoring sites are located (DC02, DC05, DC09)
- Equipment availability remains high following implementation of several improvement initiatives including the purchase of new TEOMs, UPS battery units & communication loggers.
- Two new TEOMS were installed at DC02 and DC06 to include measurements of PM2.5 on 16 November 2025 and were completed on 19 November 2025.

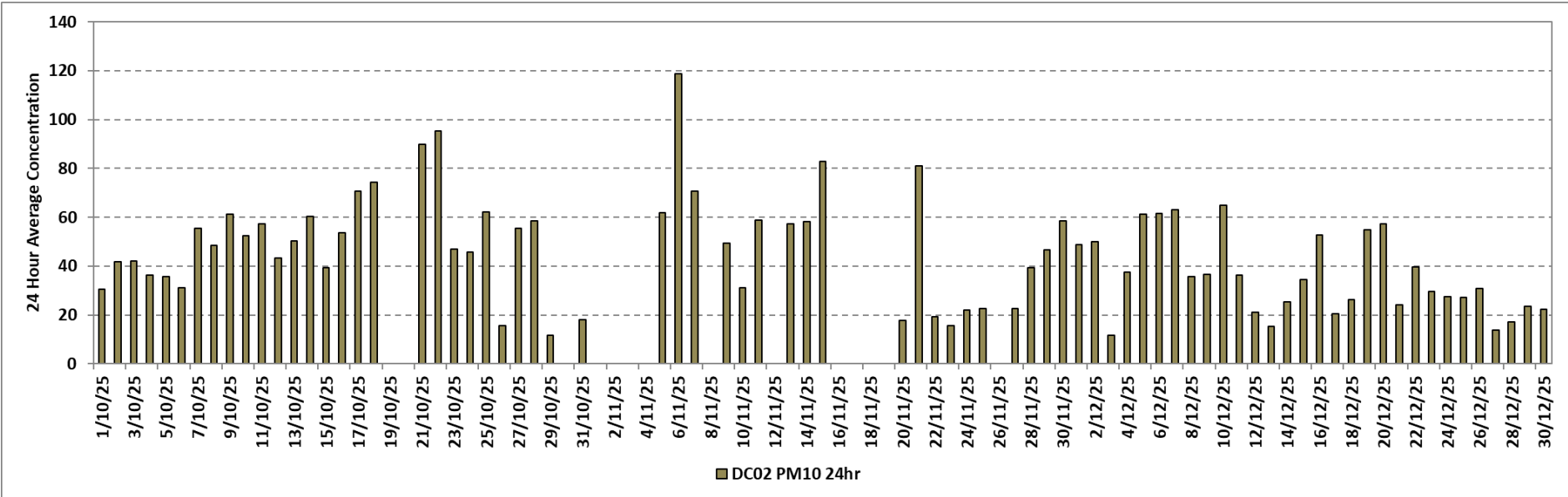
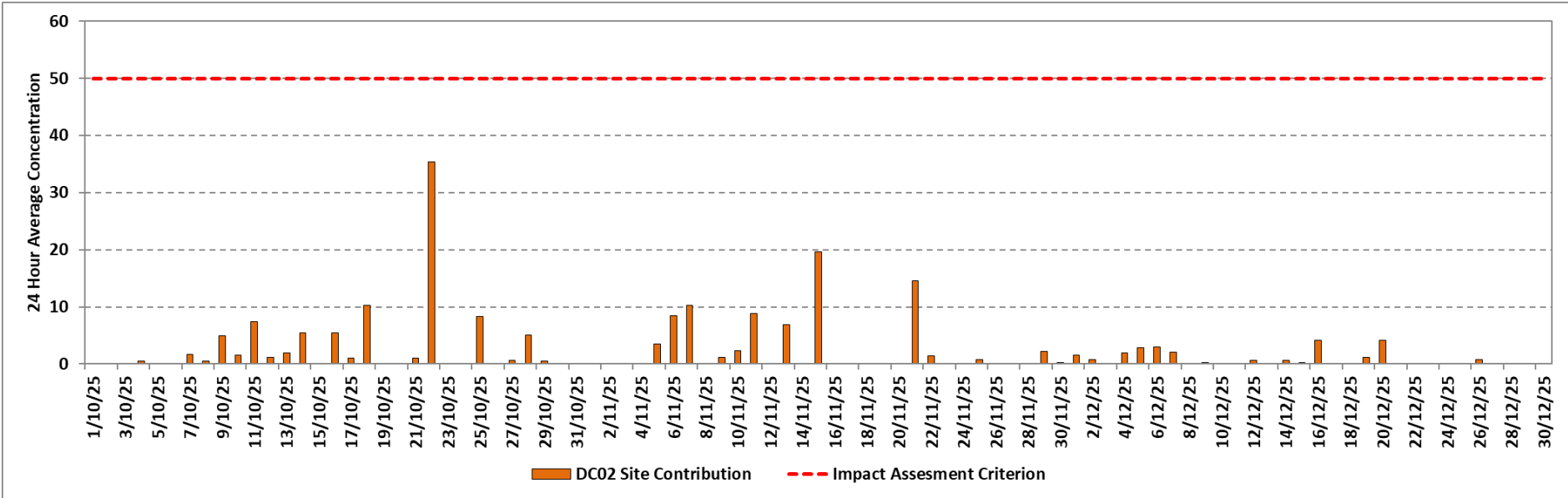
Table 1. Equipment Performance Summary

Site	Date/s	Reason
DC02	19/10/2025, 20/10/2025, 30/10/2025, 1/11/2025-4/11/2025, 8/11/2025, 12/11/2025, 16/11/2025 – 19/11/2025, 26/11/2025	During the period listed <80% data captured due to power, technical or equipment connectivity issues. Extended outage due to new TEOM installation.
DC05	9/10/2025, 10/0/2025	During the period listed <80% data captured due to power, technical or equipment connectivity issues.
DC06	16/11/2025 – 19/11/2025, 13/12/2025	During the period listed <80% data captured due to power, technical or equipment connectivity issues. Extended outage due to new TEOM installation.
DC07	19/10/2025	During the period listed <80% data captured due to power, technical or equipment connectivity issues.
DC02, DC05, DC09	26/11/2025-27/11/2025	During the period listed <80% data captured due to significant storm event resulting in power outage.

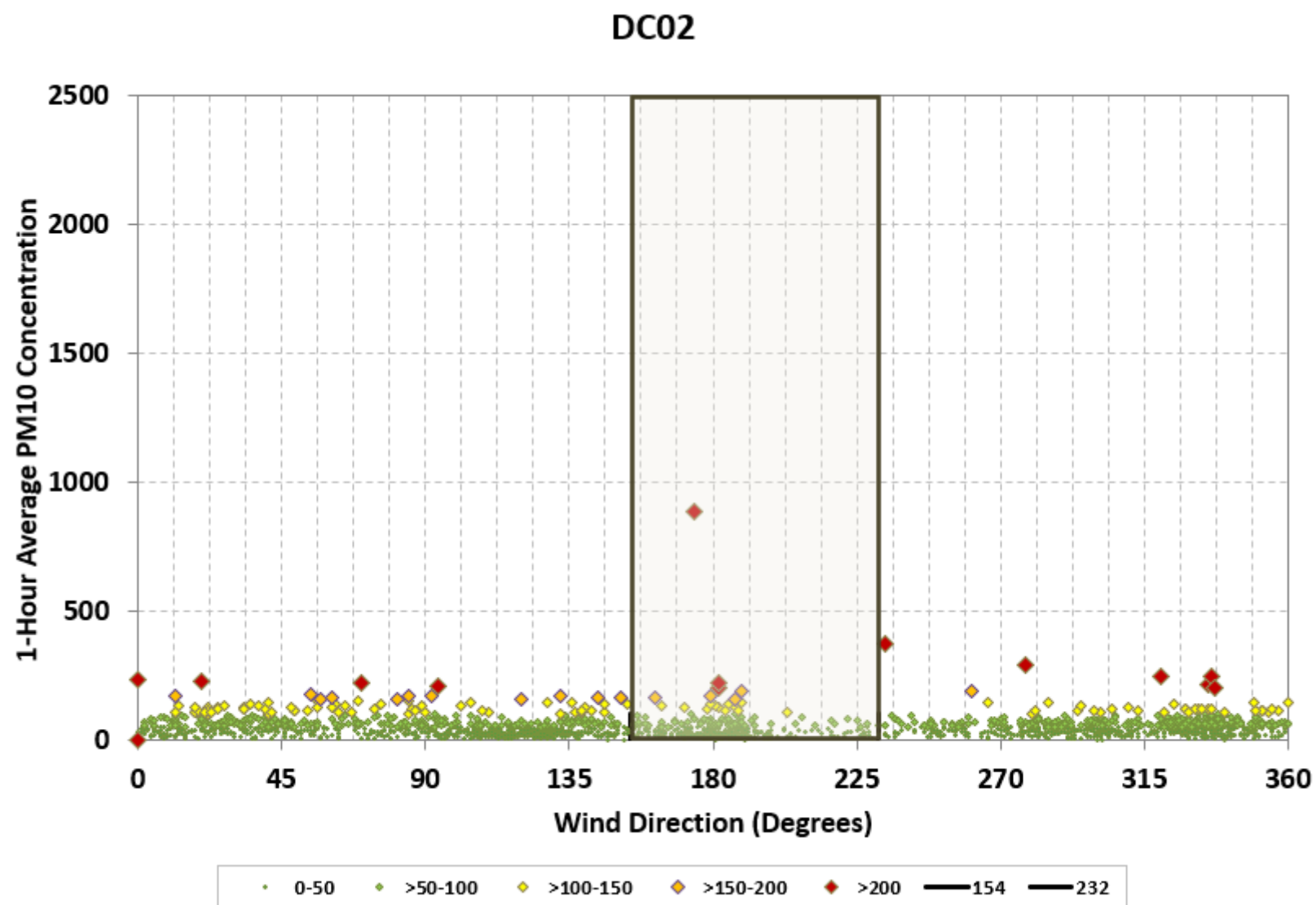
- A guide has been provided at the end of this section to assist in the interpretation of the results and figures. The figures within this section have been developed in line with consultation with members of the CCC.

Sheppard Avenue – DC02

Data capture – 90.5%

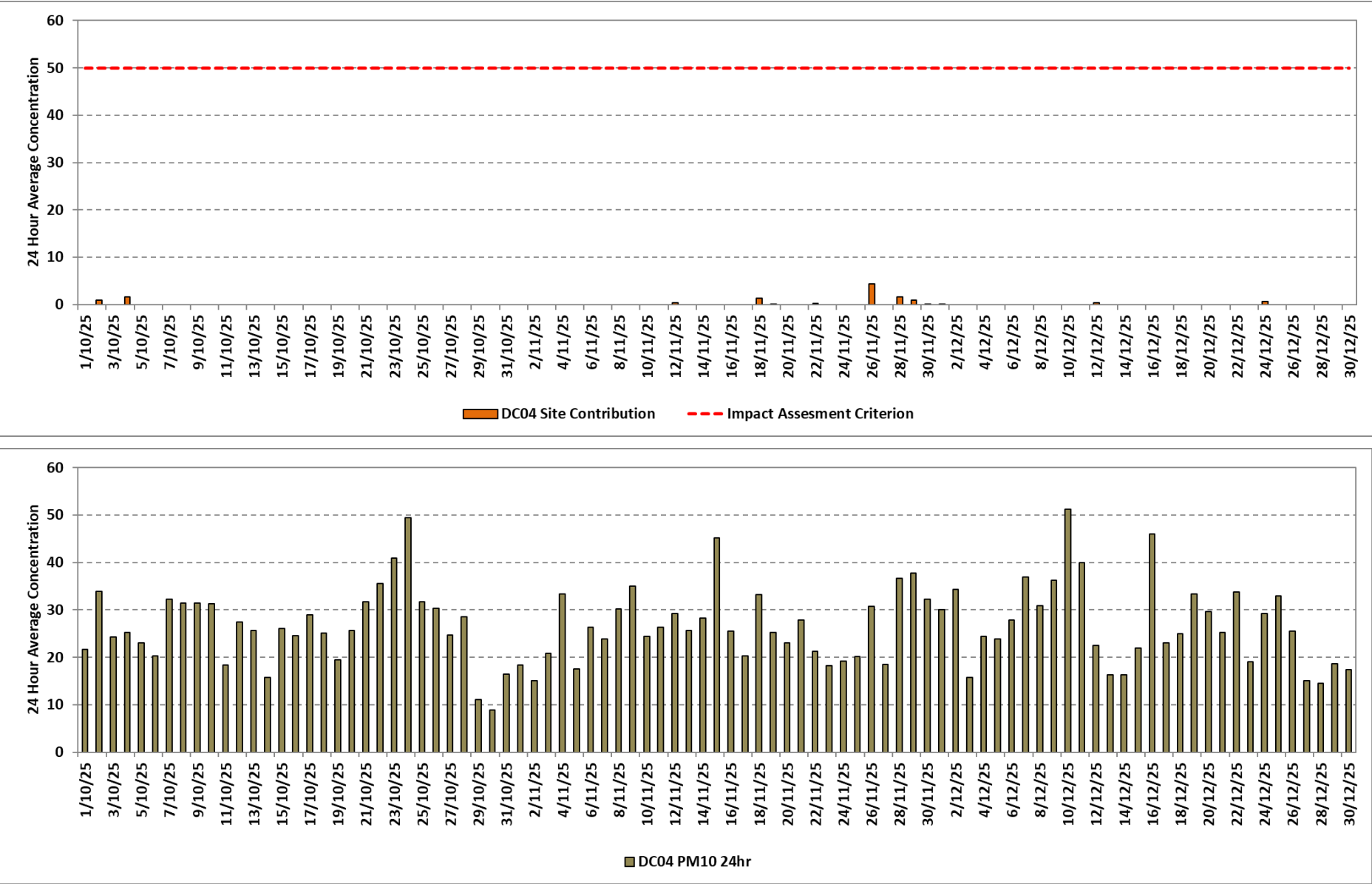


Sheppard Avenue – DC02

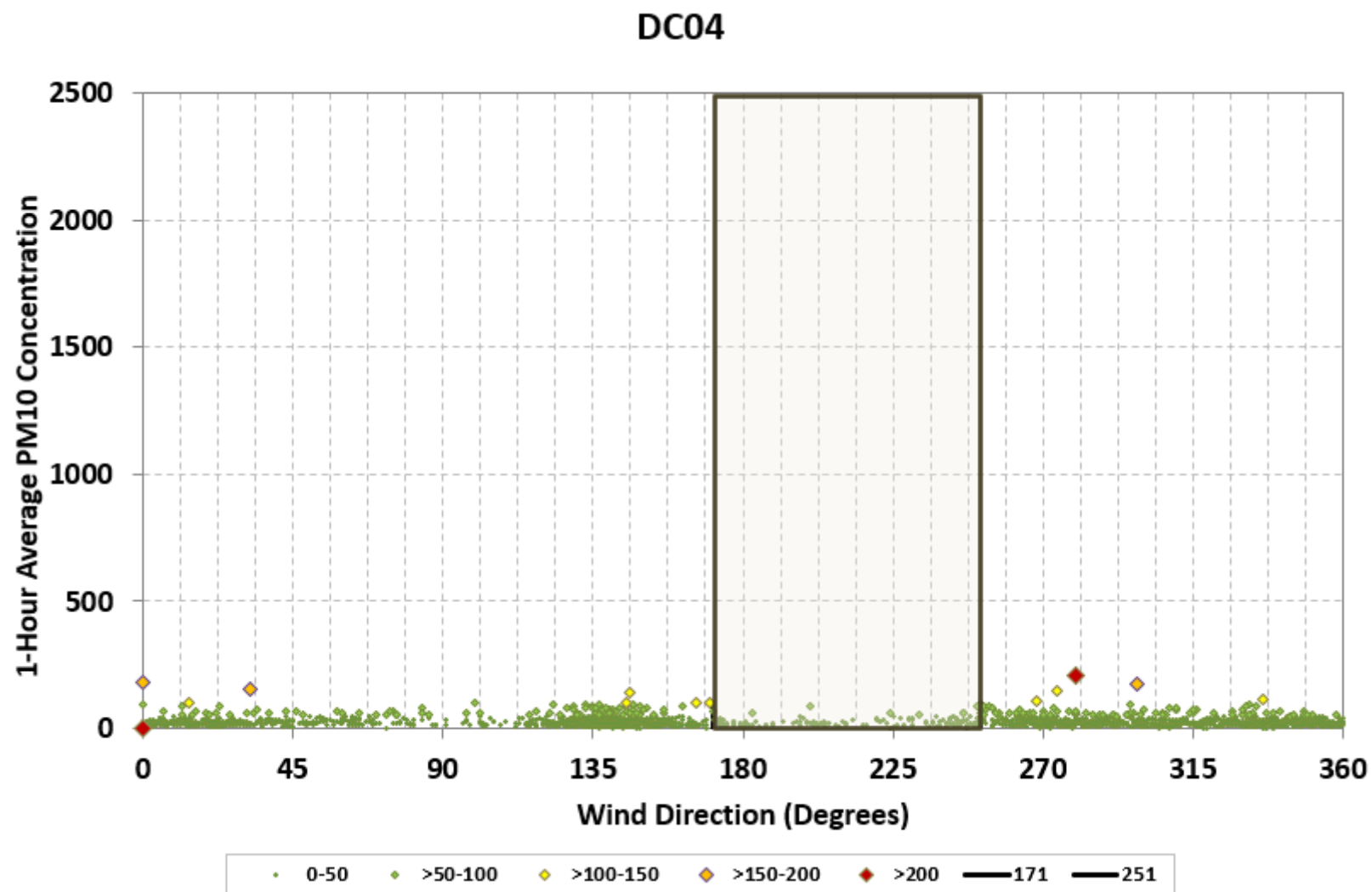


South Muswellbrook – DC04

Data capture – 100%

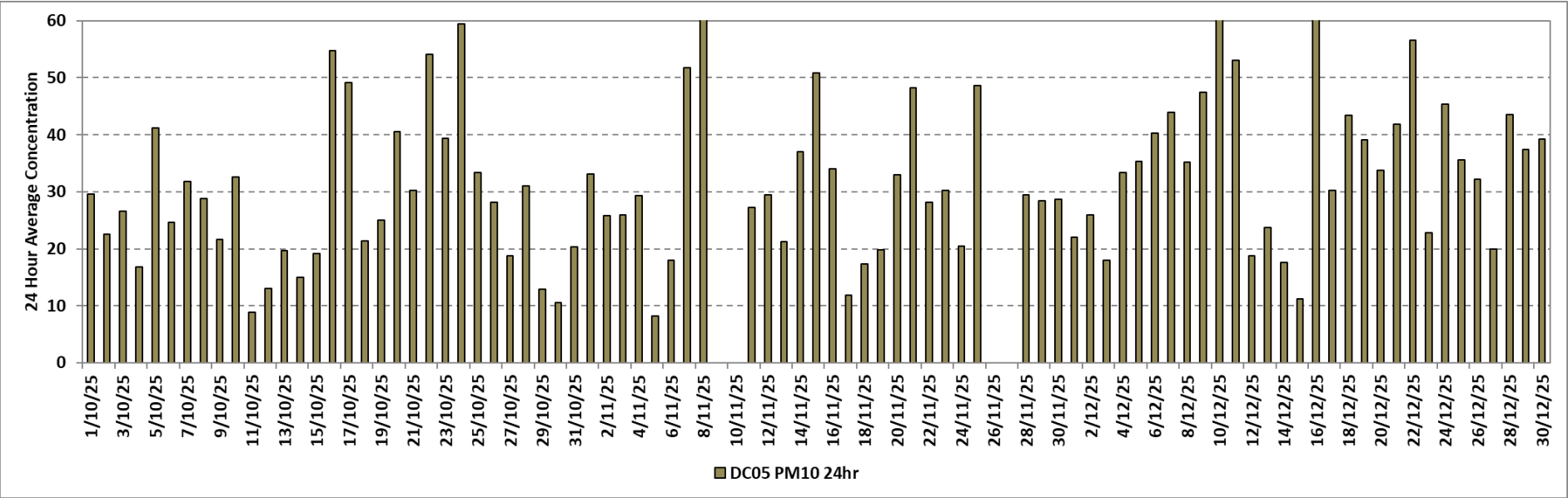
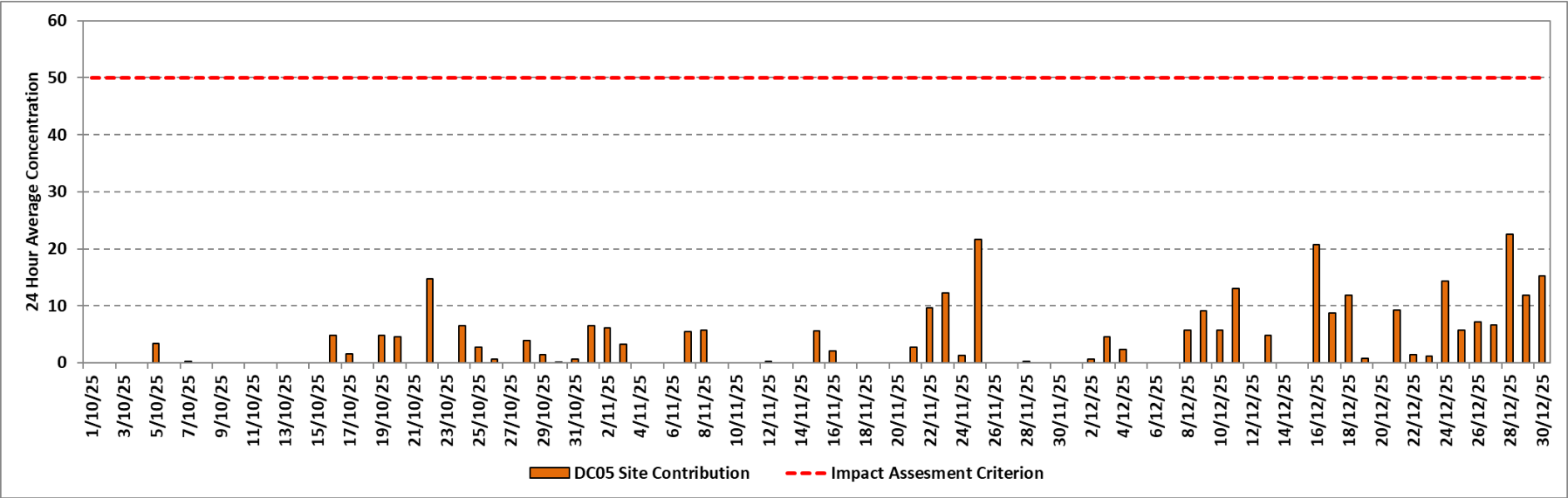


South Muswellbrook – DC04

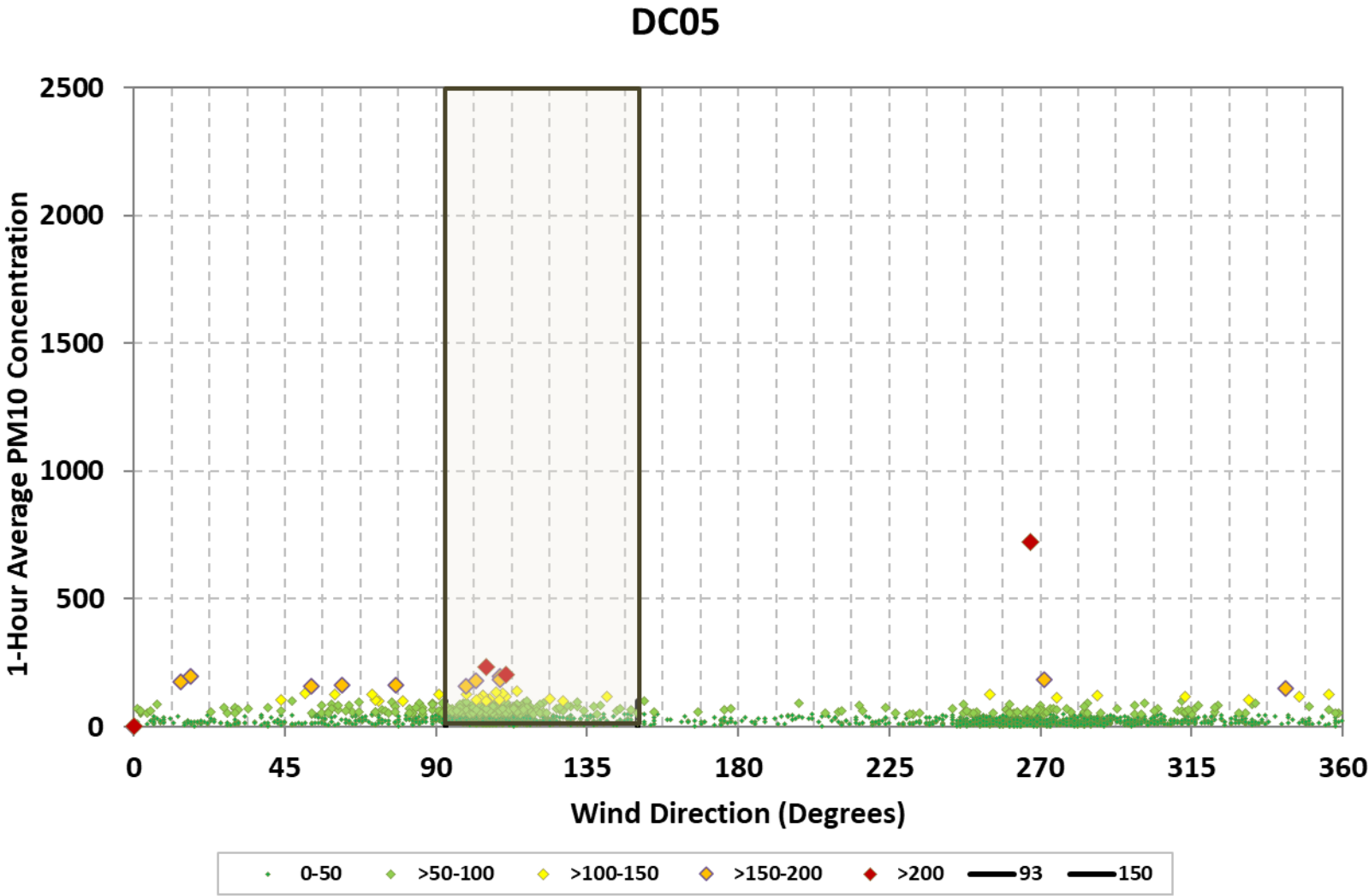


Roxburgh Road – DC05

Data capture – 97%

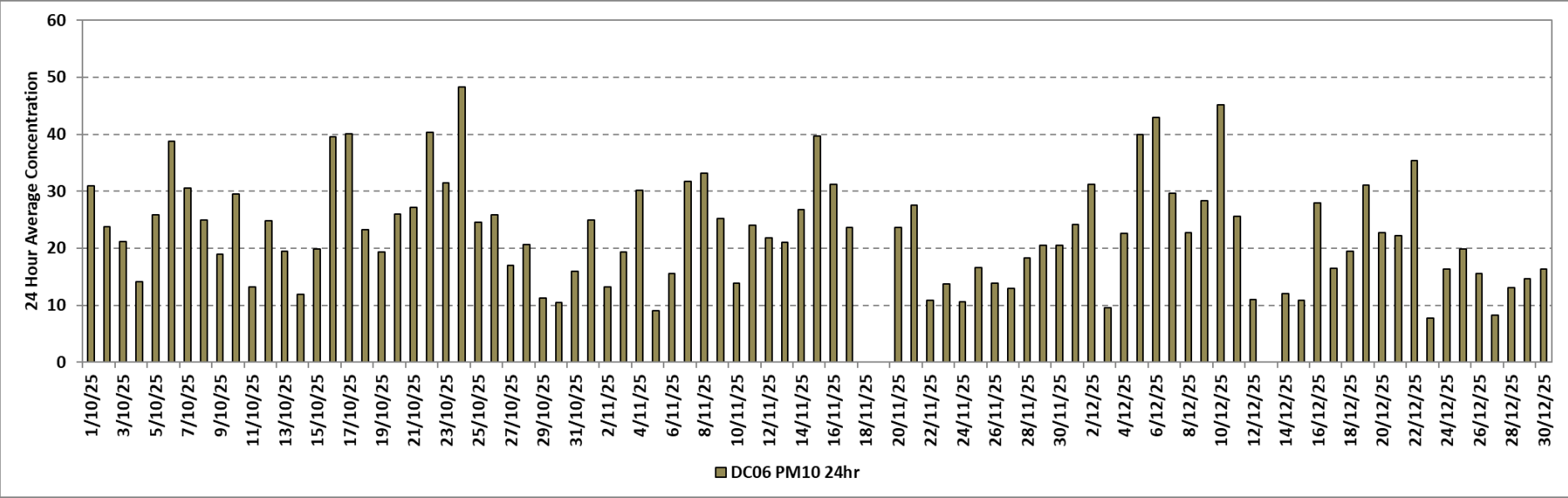
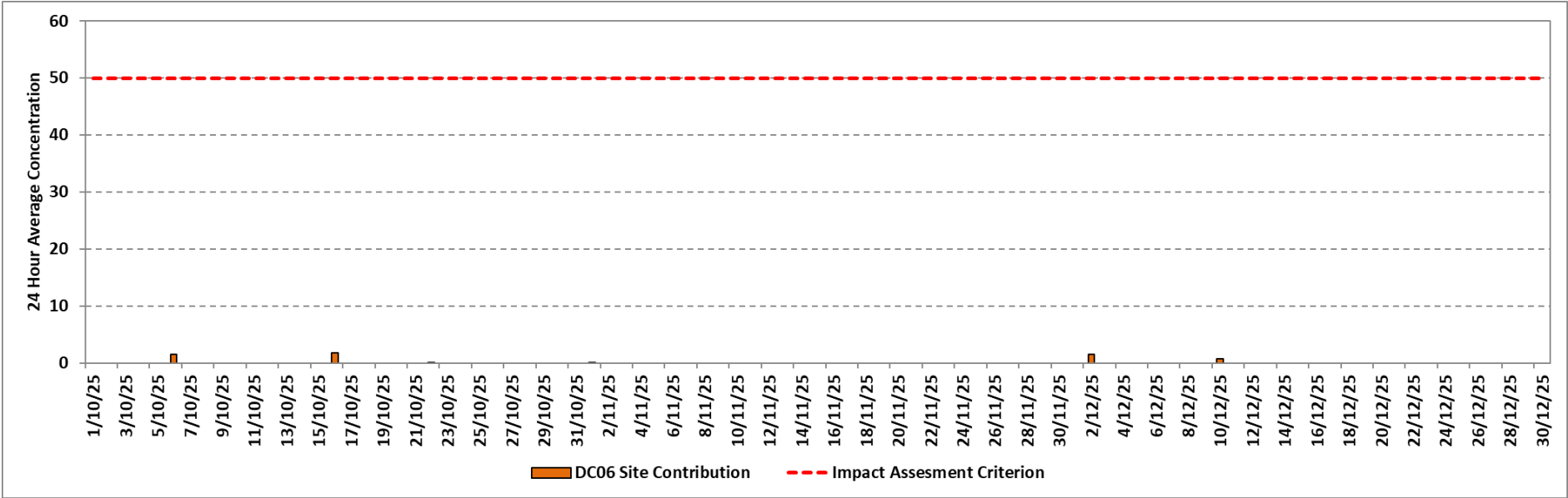


Roxburgh Road – DC05

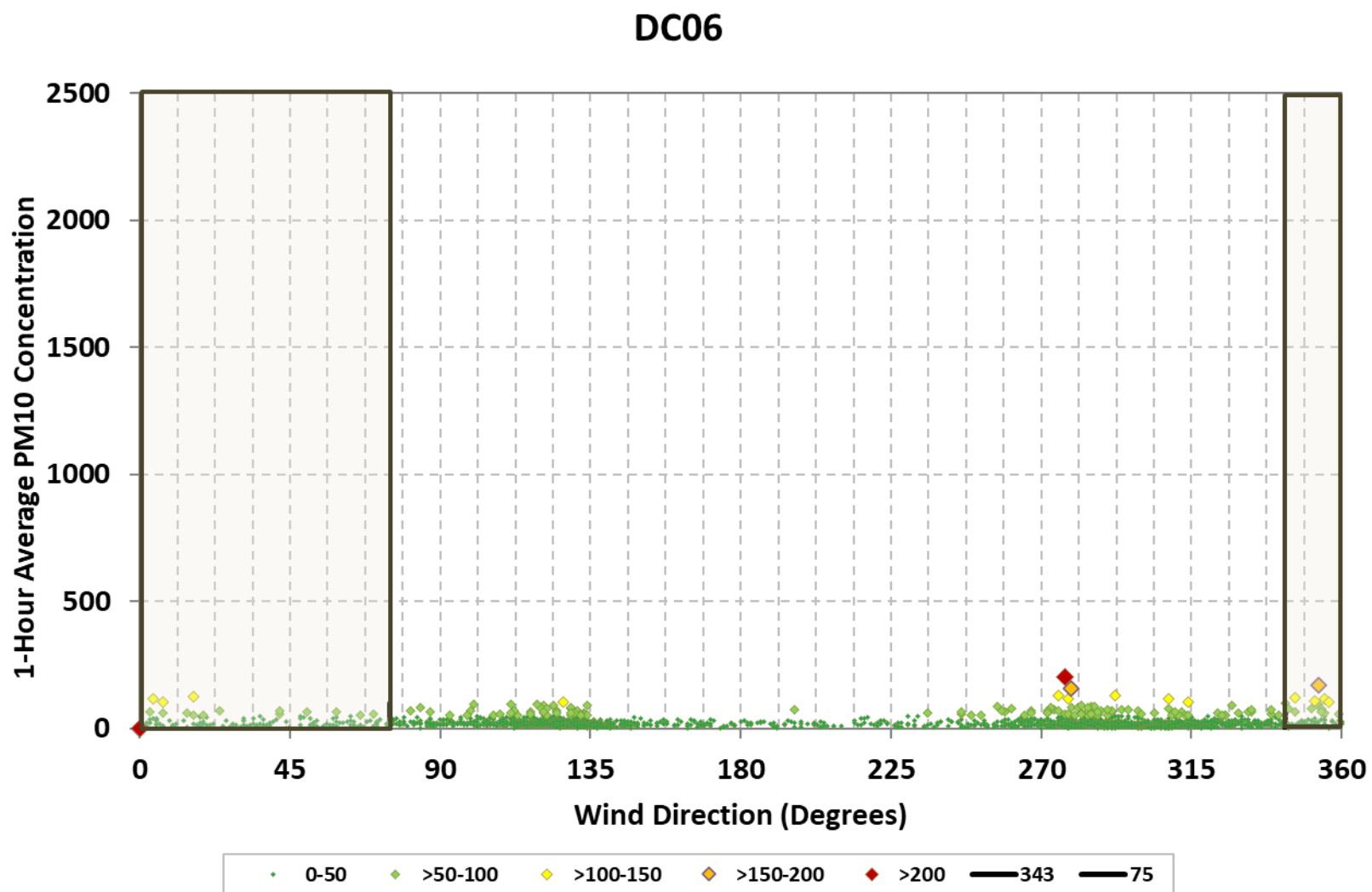


Edderton Homestead - DC06

Data capture – 97%

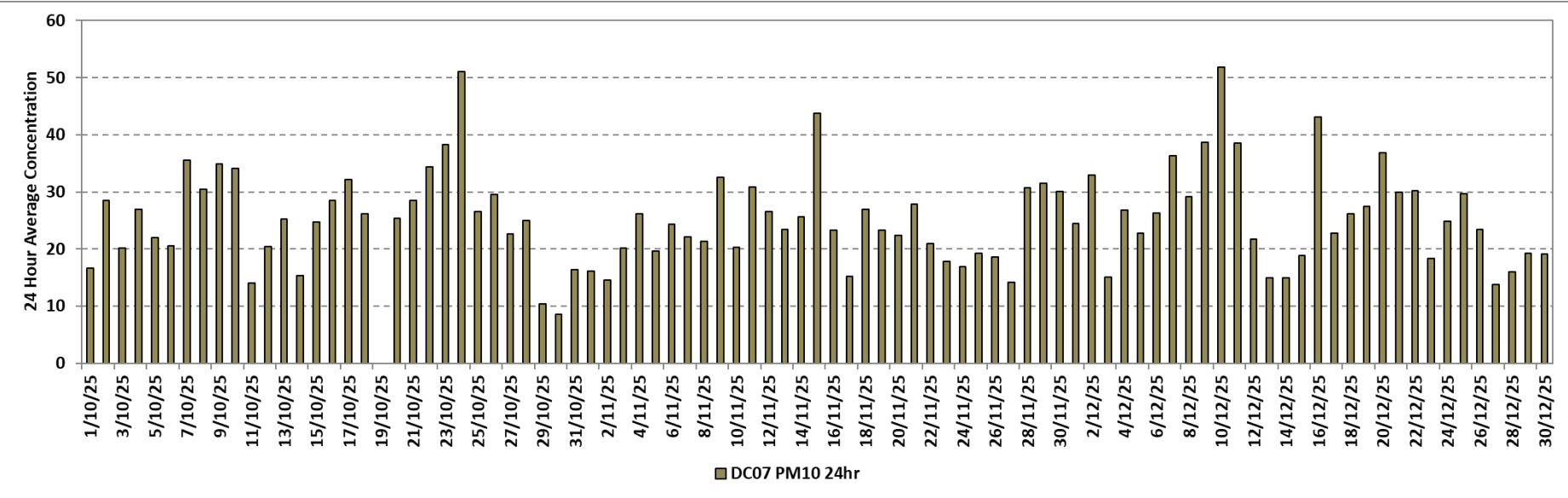
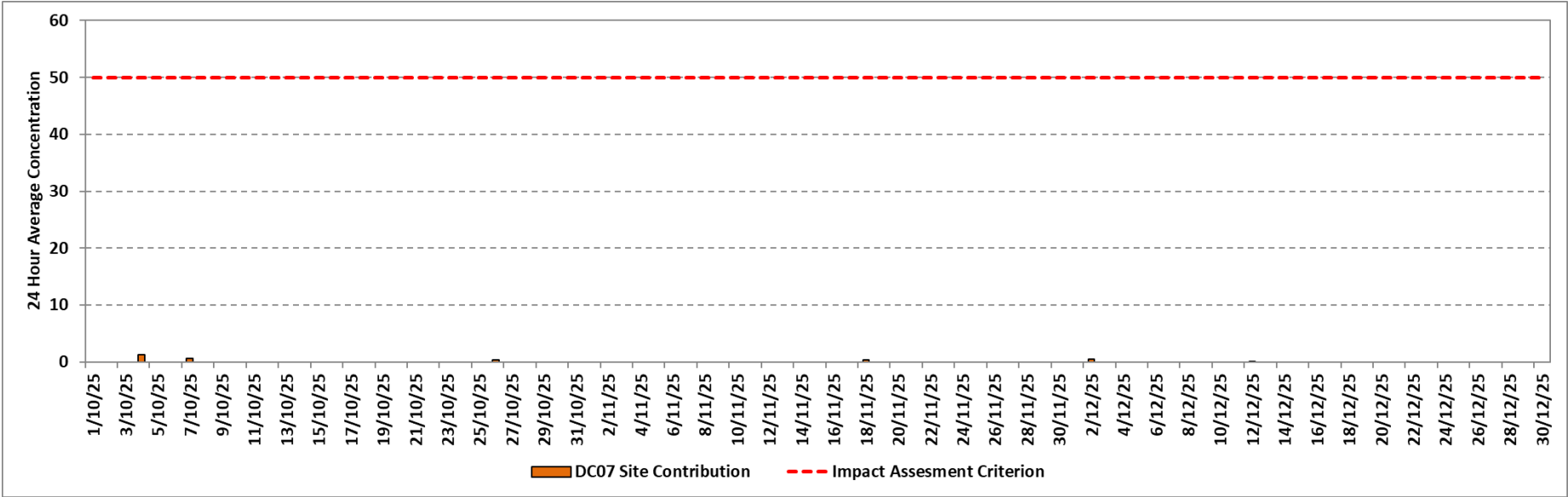


Edderton Homestead - DC06

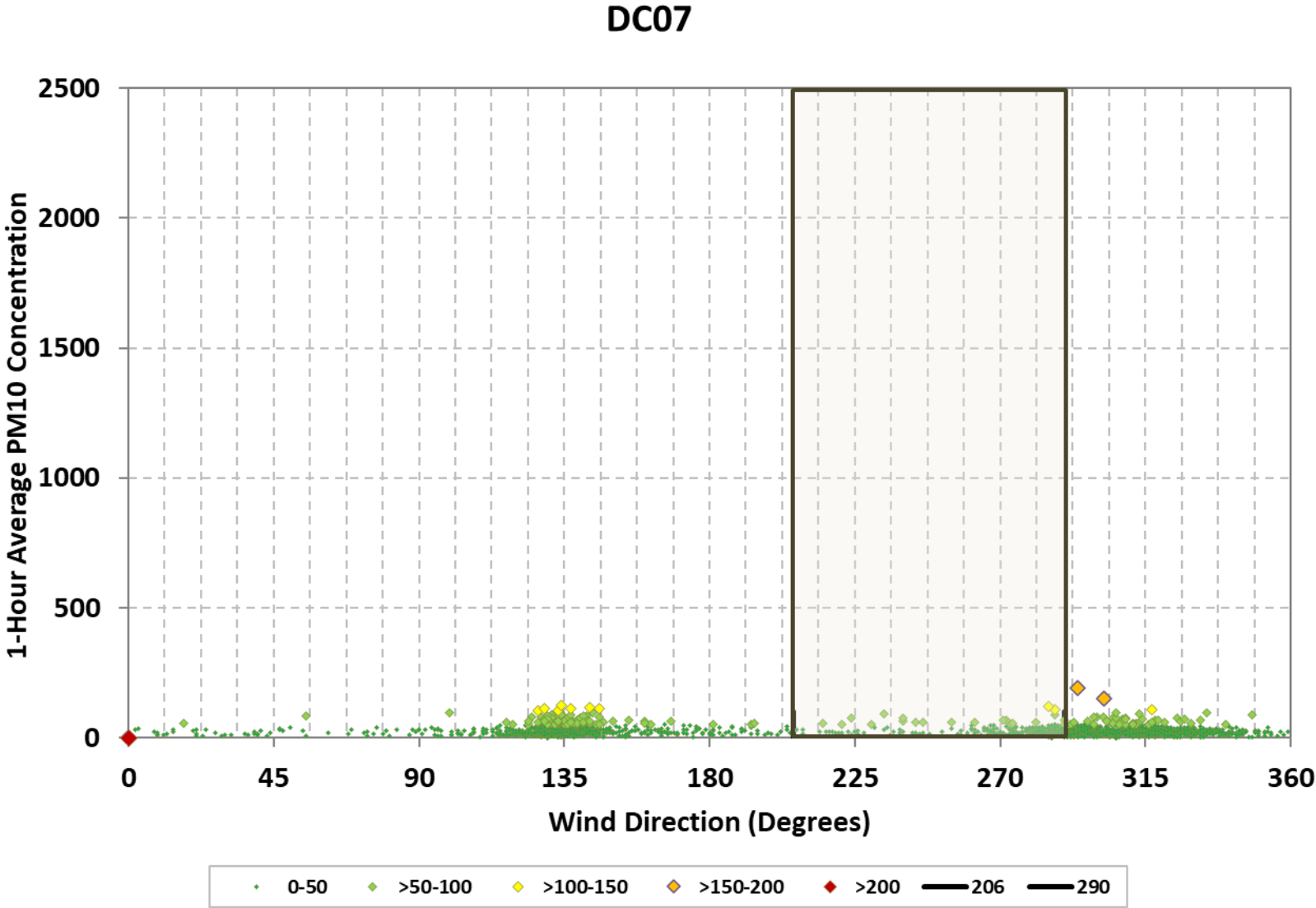


Antiene - DC07

Data capture – 98%

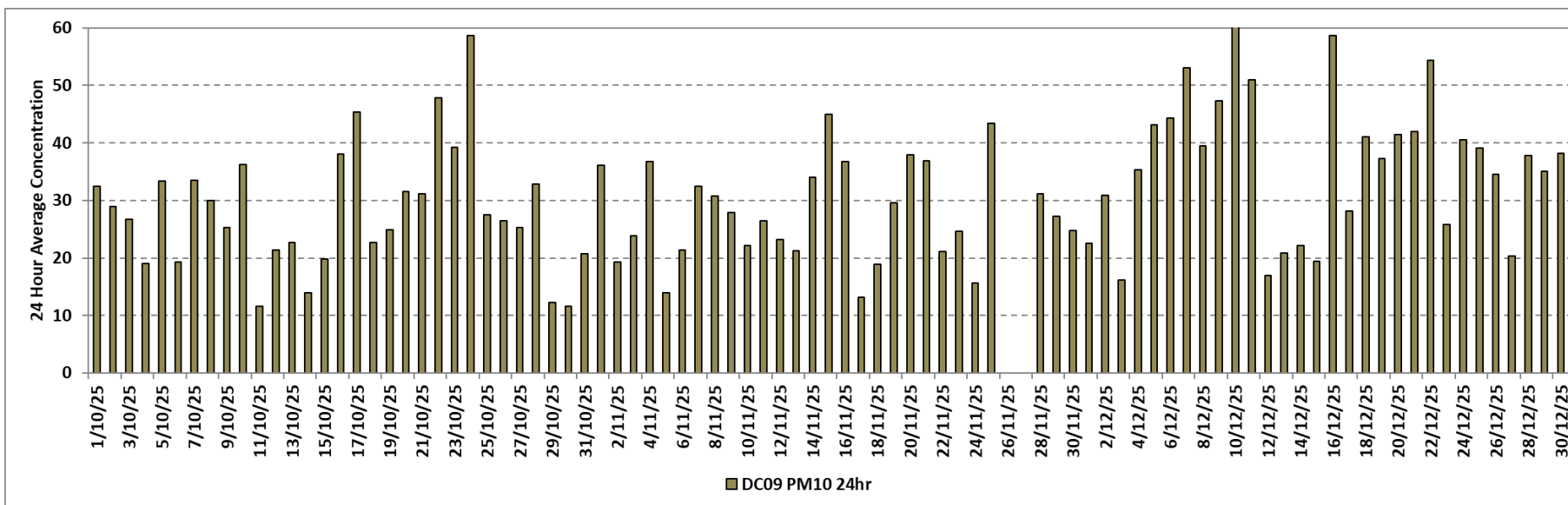
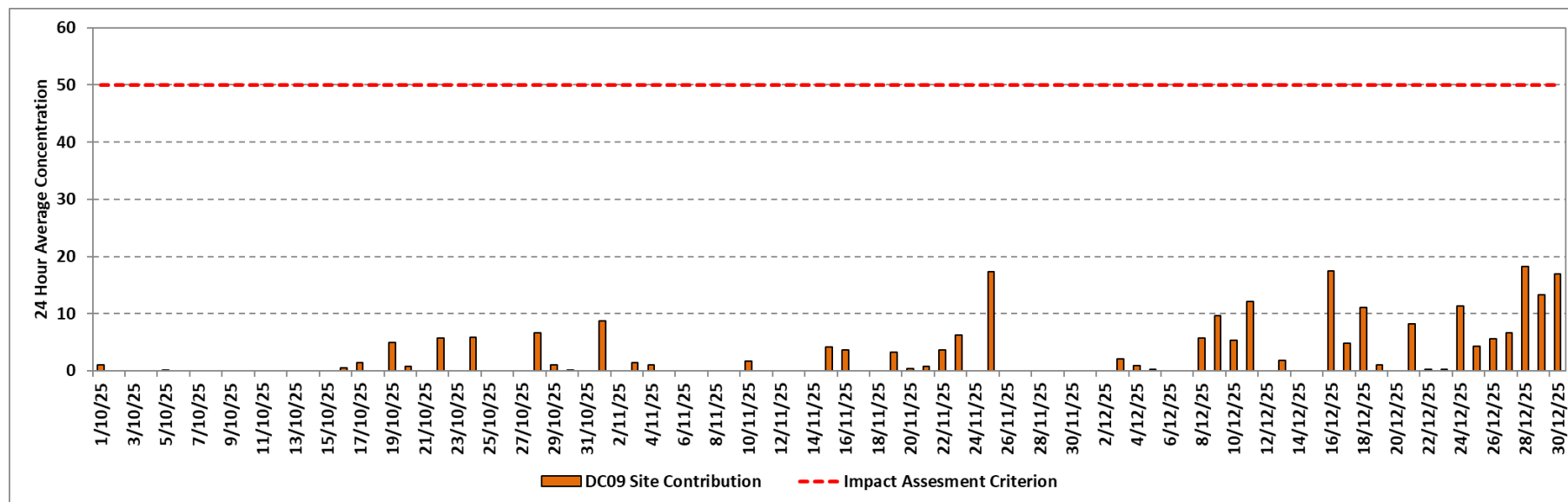


Antiene - DC07

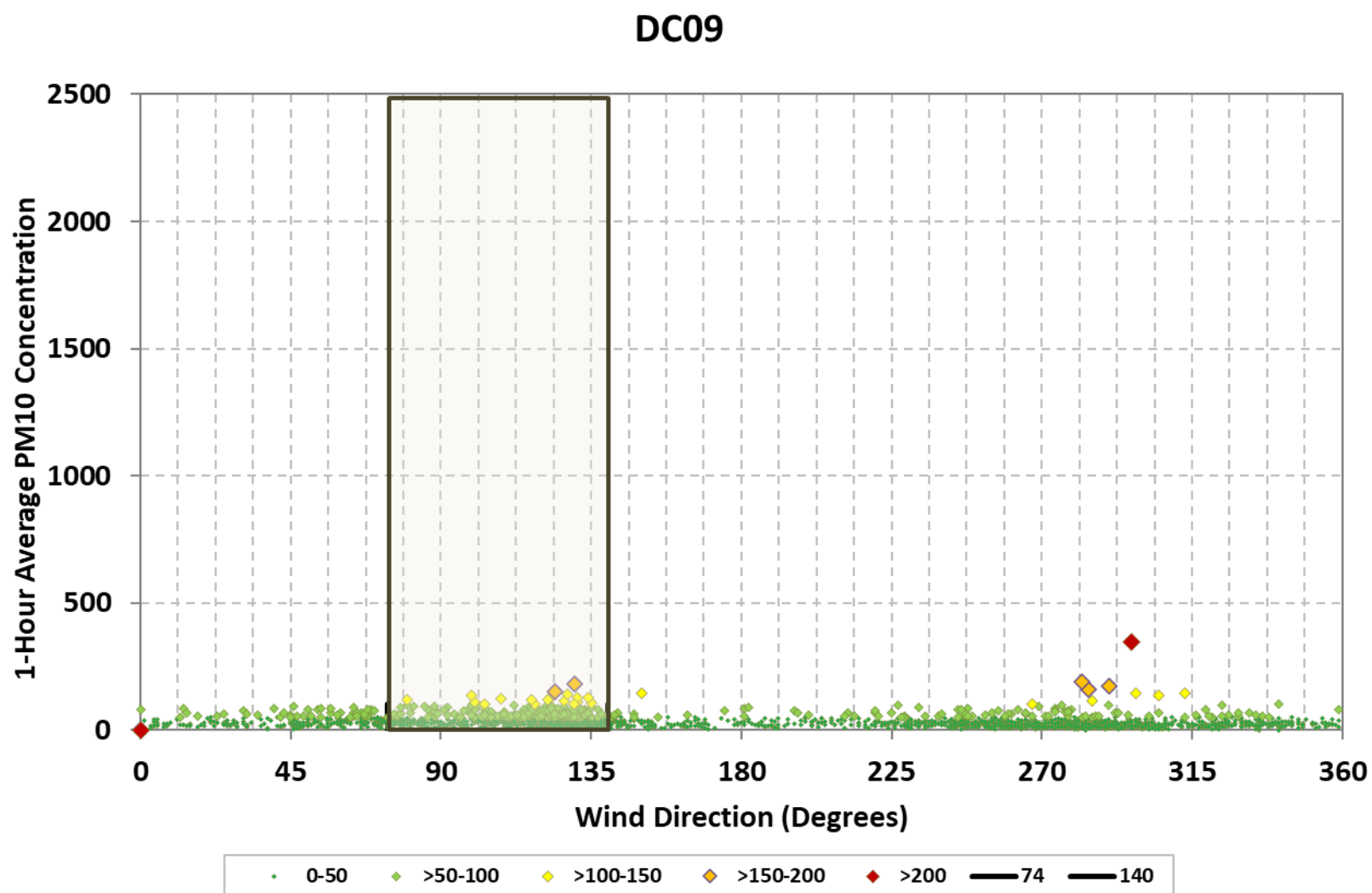


Wellbrook – DC09

Data capture – 97%

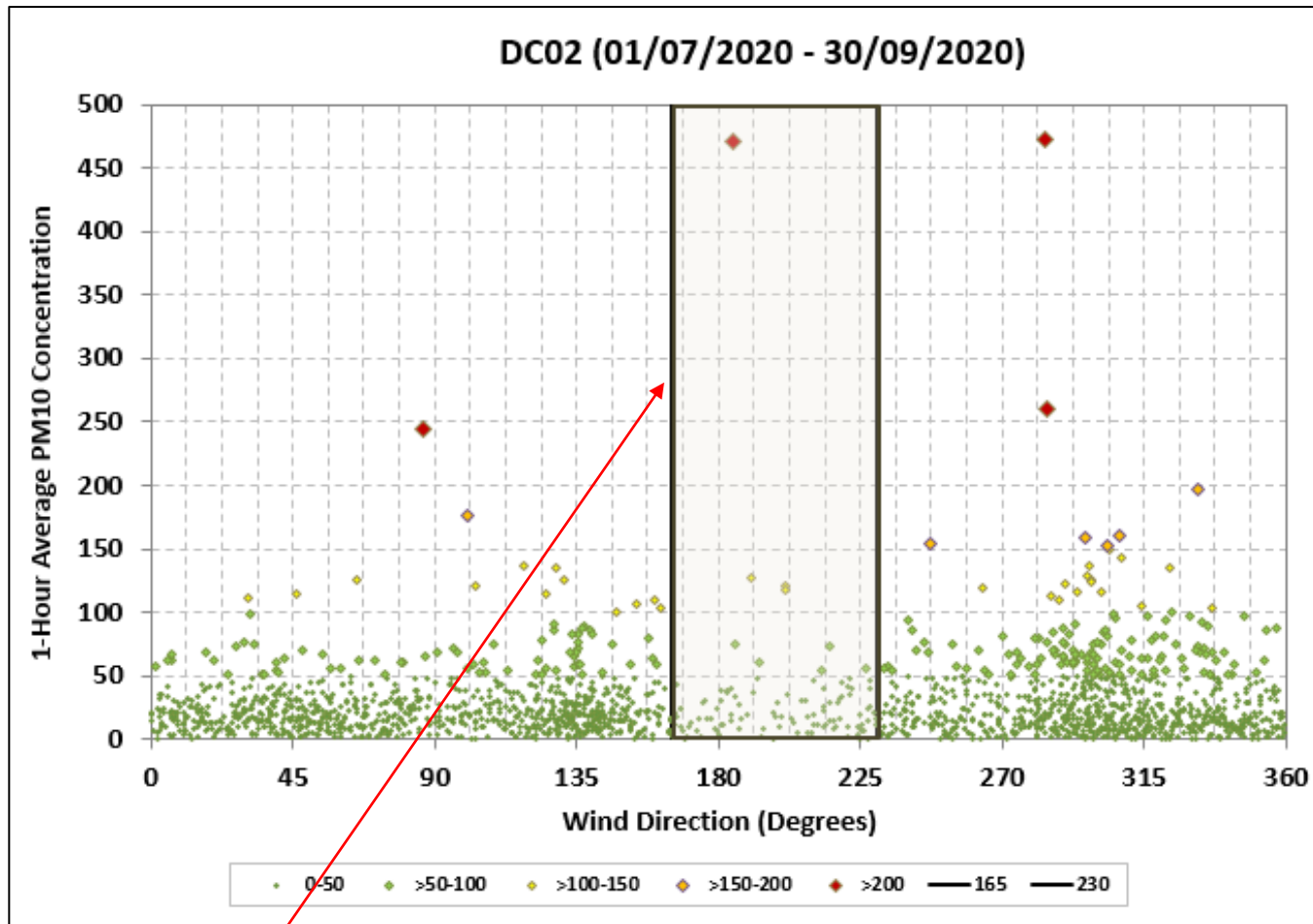


Wellbrook – DC09



Air Quality Monitoring Interpretation Guidance

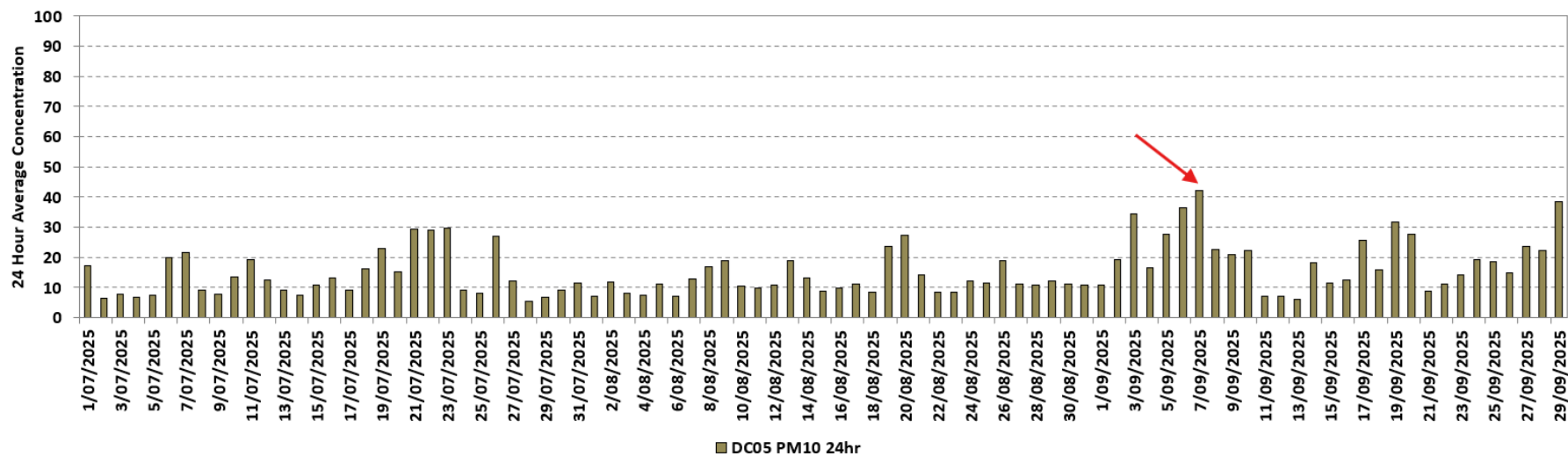
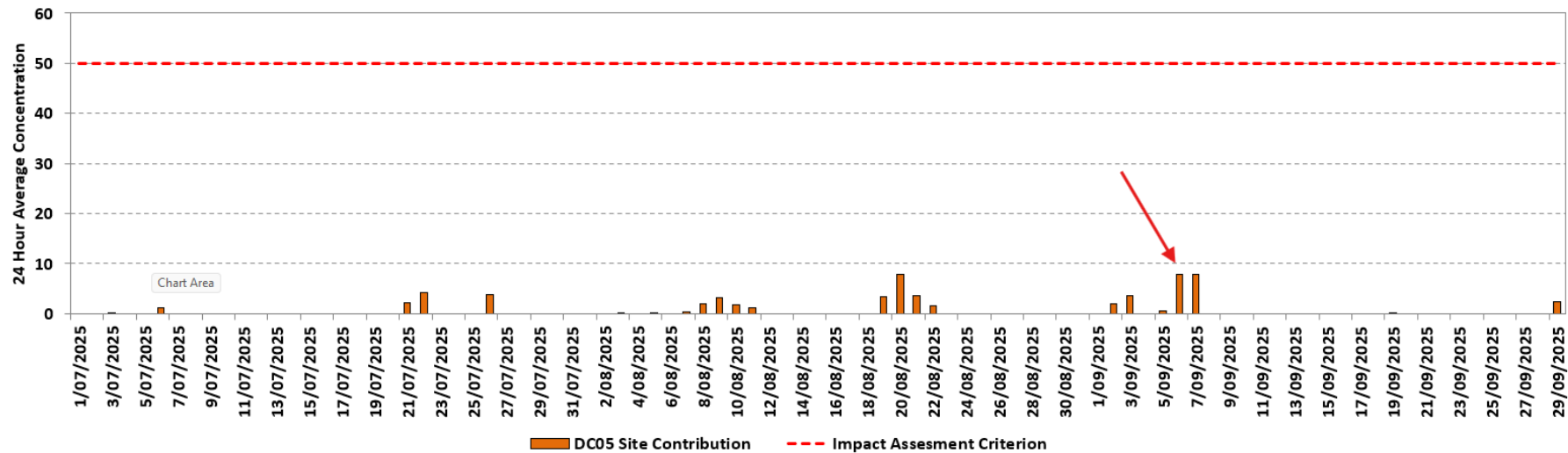
This information has been provided to assist with the interpretation of the air quality monitoring results and figures within this report.



This graphic shows the window where the Mt Arthur Coal contribution is at risk of influencing the DC02 dust monitor based on the wind direction. This window can be referred to as the Arc of Influence. All 1- Hour Average Concentrations have been plotted for the reporting period to give an indication of Mt Arthur's influence on DC02.

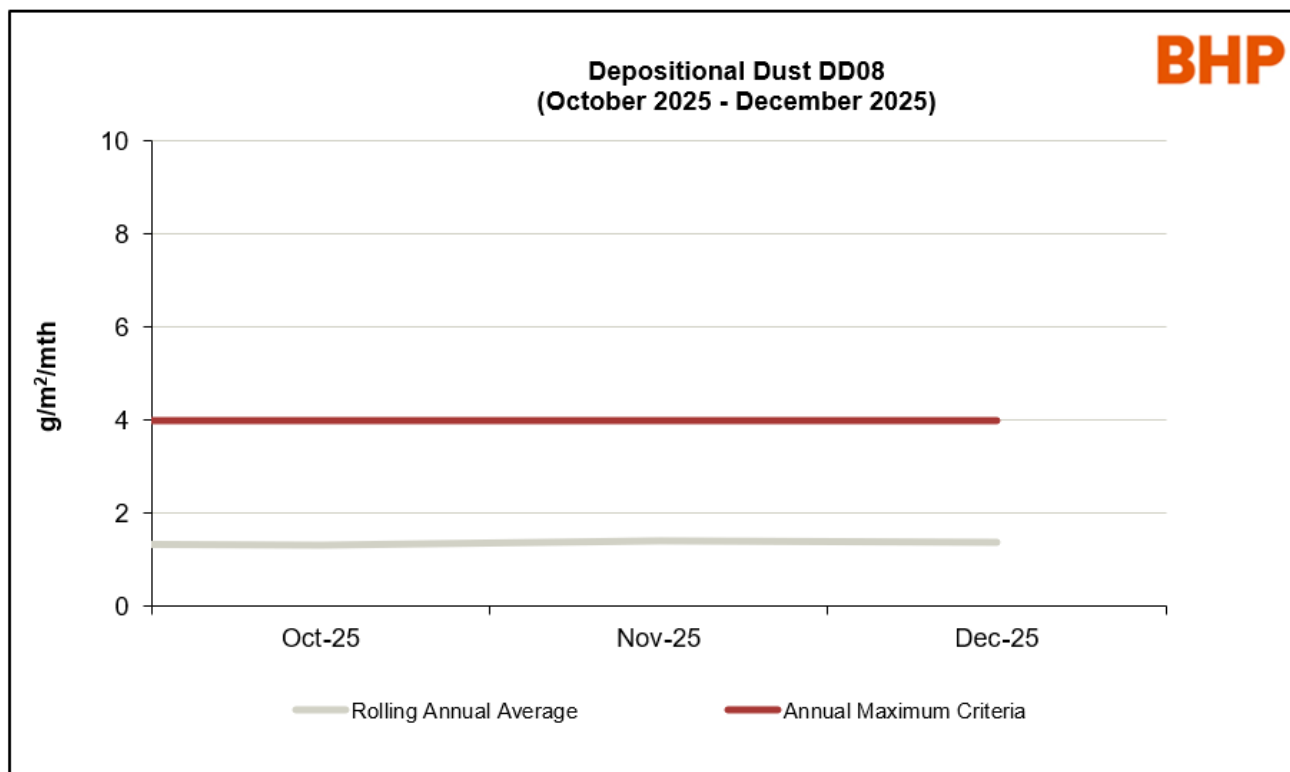
Air Quality Monitoring Interpretation Guidance continued

The first graphic shows the incremental 24-hour PM₁₀ Mt Arthur Coal concentrations. This example shows that the Mt Arthur incremental concentration ('Site Contribution') is 7.8 μg^3 . The second graphic shows the cumulative Daily 24hr PM₁₀ concentrations. This example shows that the cumulative 24-hour concentration ('Background') of approximately 42.1 $\mu\text{g}/\text{m}^3$.

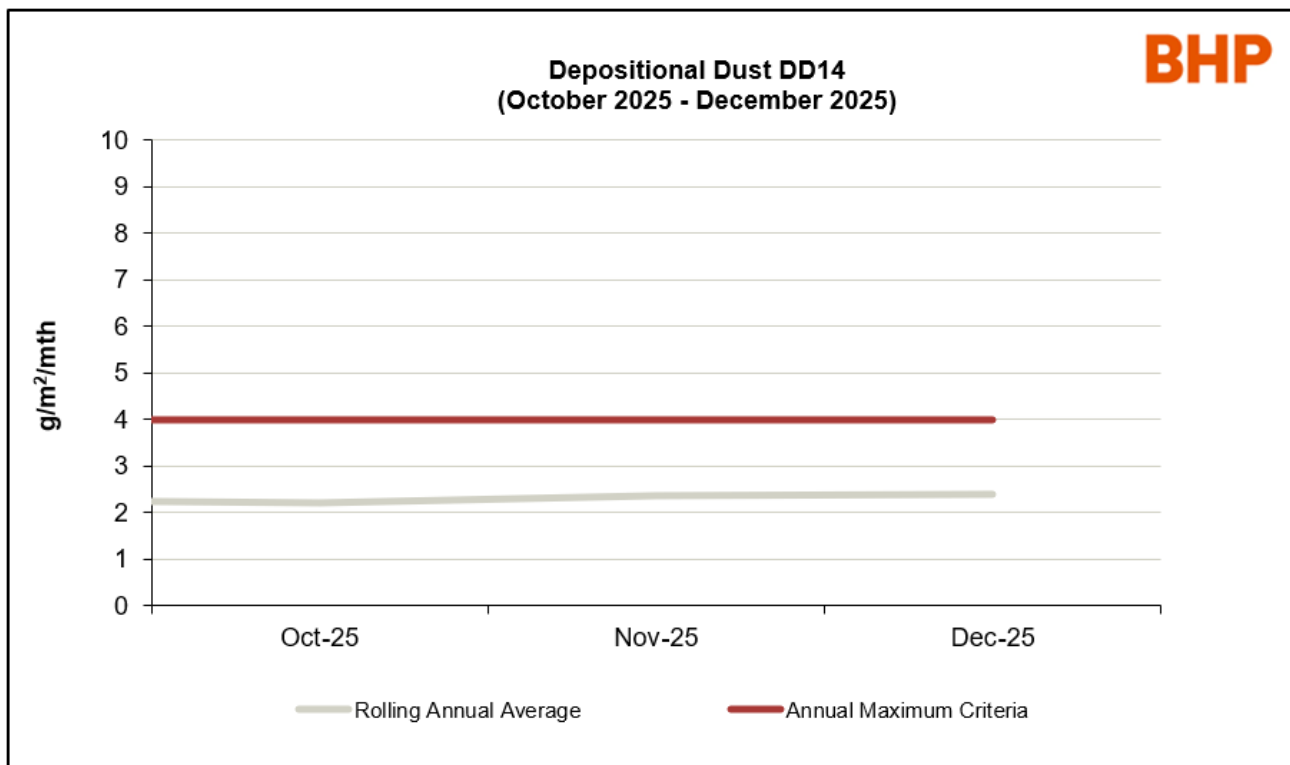


Deposited Dust**DD08**

Data capture – 100%

**DD14**

Data capture – 100%



Water Monitoring (1 October 2025 to 31 December 2025)*Groundwater*

Groundwater monitoring was undertaken in December 2025 with results currently being analysed. The results from the December 2025 monitoring round will be communicated at the next CCC.

The September 2025 groundwater monitoring results have been analysed with a level exceedance detected at VWP X1_S-2(59) and a pH exceedance at X14MB-2D in line with the Water Management Plan (WMP). These exceedances were reported to DPHI and will continue to be monitored.

Surface water

Surface water monitoring was conducted monthly during the three-month period.

An exceedance of Electrical Conductivity (EC) at the Hunter River Downstream monitoring location (SW35) reported following the December 2025 round of monitoring. The exceedance was reported to the DPHI in line with the WMP. An interim investigation was undertaken in line with the WMP which determined further investigation was not required. The DPHI advised no further information or action was required.

Blast Monitoring (1 October 2025 to 31 December 2025)

During the reporting period, there were no exceedances of the upper or lower vibration limit.

There was one blast with an exceedance of the upper overpressure limit (120dBL) at the Sheppard Ave monitor (BP07) with a result of 124.5dBL on Tuesday 11 November 2025 at 3:12pm. The incident was reported to the EPA and DPHI in line with the EPL and BMP. Subsequent investigations determined that the results were wind affected. The actual blast overpressure result (113.0dBL) was less than the criteria. Given this, the event is not considered an incident. No complaints were received.

There were two blasts with exceedances of the lower vibration limits at the following:

- Thursday 27 November 2025 at 3:36pm
 - Denman Rd West monitor (BP09R) reported a result of 117.7 dBL
- Tuesday 16 December 2025 at 3:32pm
 - Denman Rd West monitor (BP09R) reported a result of 119.1 dBL on
 - Sheppard Ave monitor (BP09R) reported a result of 117.2 dBL on

Four additional shots undertaken on Saturday 8 and Tuesday 11 November 2025 reported results exceeding the lower limit. However, investigation by third party consultant (Terrock Consulting Engineers) reported the exceedances were wind affected and actual airblast overpressure results for the blasts would have been below the lower limit of 115dBL.

No complaints were received for these events. The exceedance of the lower overpressure limits is allowable for 5% of blasts for FY26 and not considered an environmental incident.

Operational Noise Monitoring (1 October 2025 to 31 December 2025)

Monthly night-time compliance monitoring (attended) was completed to schedule by MAC's external expert consultant. MAC is not informed of when this monitoring is scheduled for completion to ensure there is a true representation of operational activities on any given night.

There were no exceedances of the threshold levels reported for any noise monitoring locations during the reporting period.

Environmental Incidents (1 October 2025 to 31 December 2025)

Groundwater Exceedance

The groundwater monitoring that was undertaken in September 2025 has been analysed with a level exceedance detected at VWP X1_S-2(59) and a pH exceedance at X14MB-2D in line with the WMP. These exceedances were all reported to DPHI and will continue to be monitored.

Surface Water Exceedance

Following the December 2025 sampling round surface water monitoring site (SW35) exceeded the respective electrical conductivity (EC) Trigger Level. Subsequent investigation determined that MAC operations was not a contributing factor to the increased EC levels. It was deemed that a period of low rainfall and low Glenbawn Dam releases were contributing factors to the elevated EC levels at SW35. The investigation was provided to the DPE with the event closed out with no further information or action required.

Environmental Reporting (1 October 2025 to 31 December 2025)

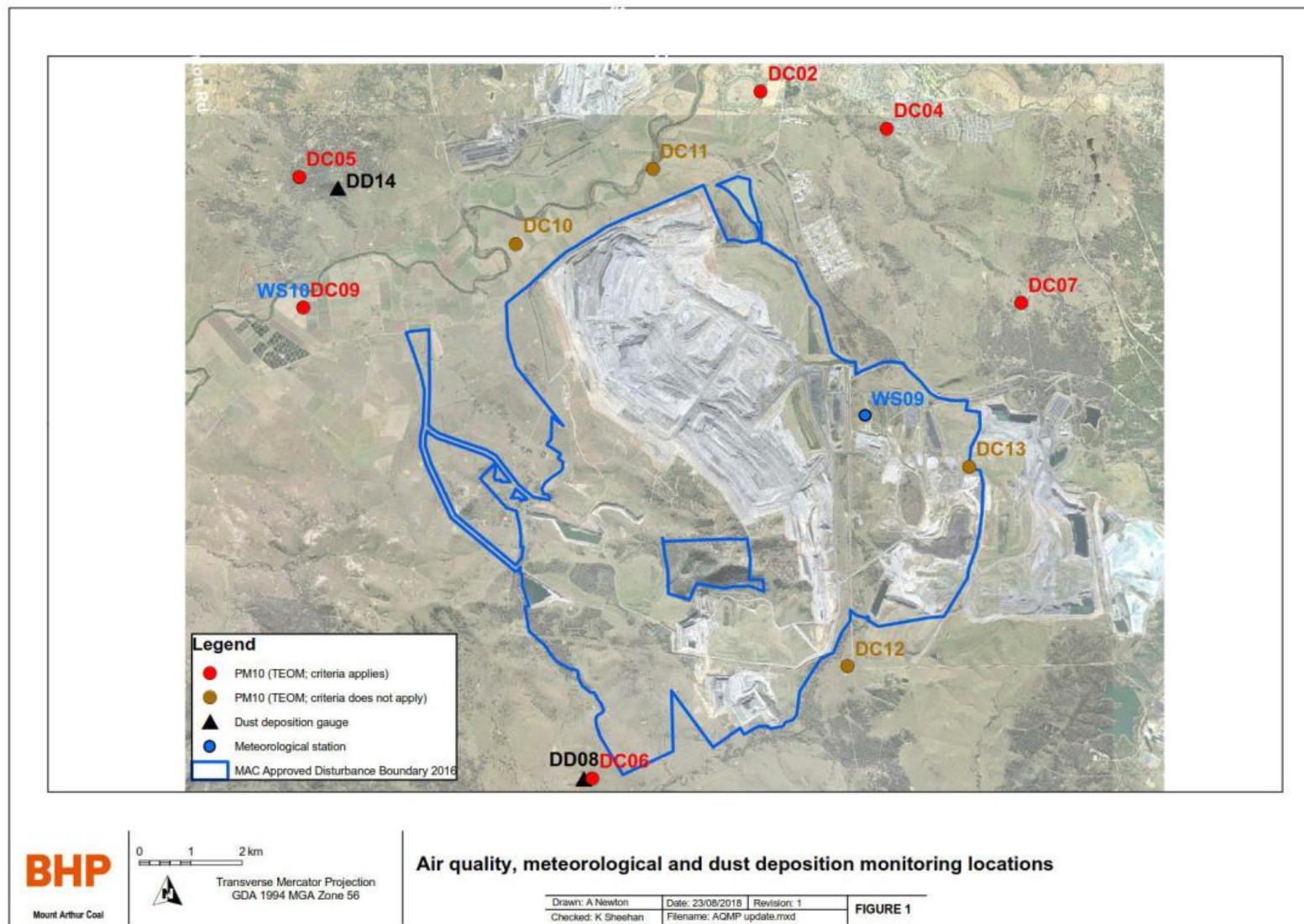
Monthly Reporting

Historical information and reporting is available to view on the BHP website using the following link:

<https://www.bhp.com/sustainability/environment/regulatory-information>

Environmental Monitoring Plans (for reference)

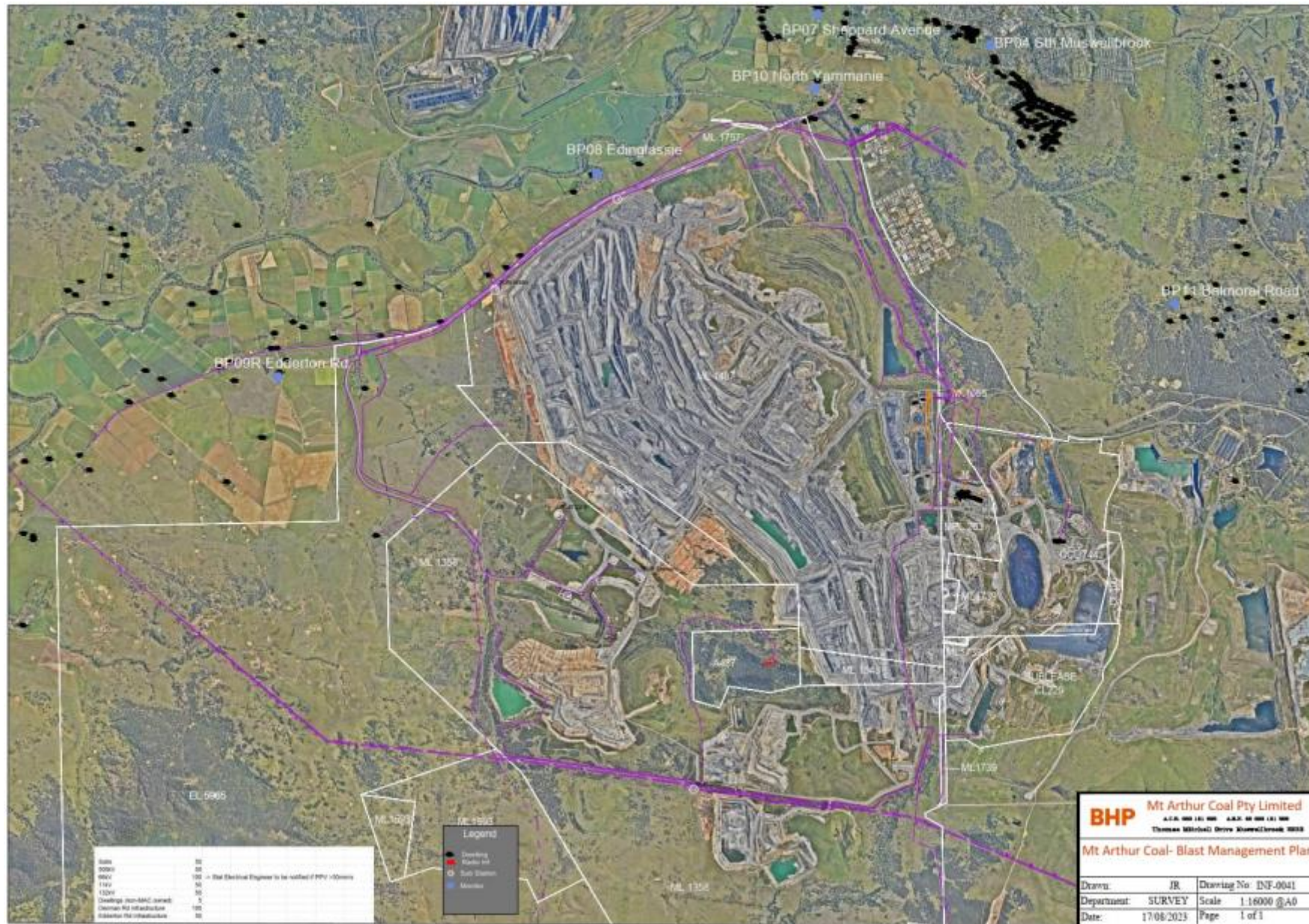
Air Quality and Meteorological Monitoring Locations (Source: Air Quality Management Plan)



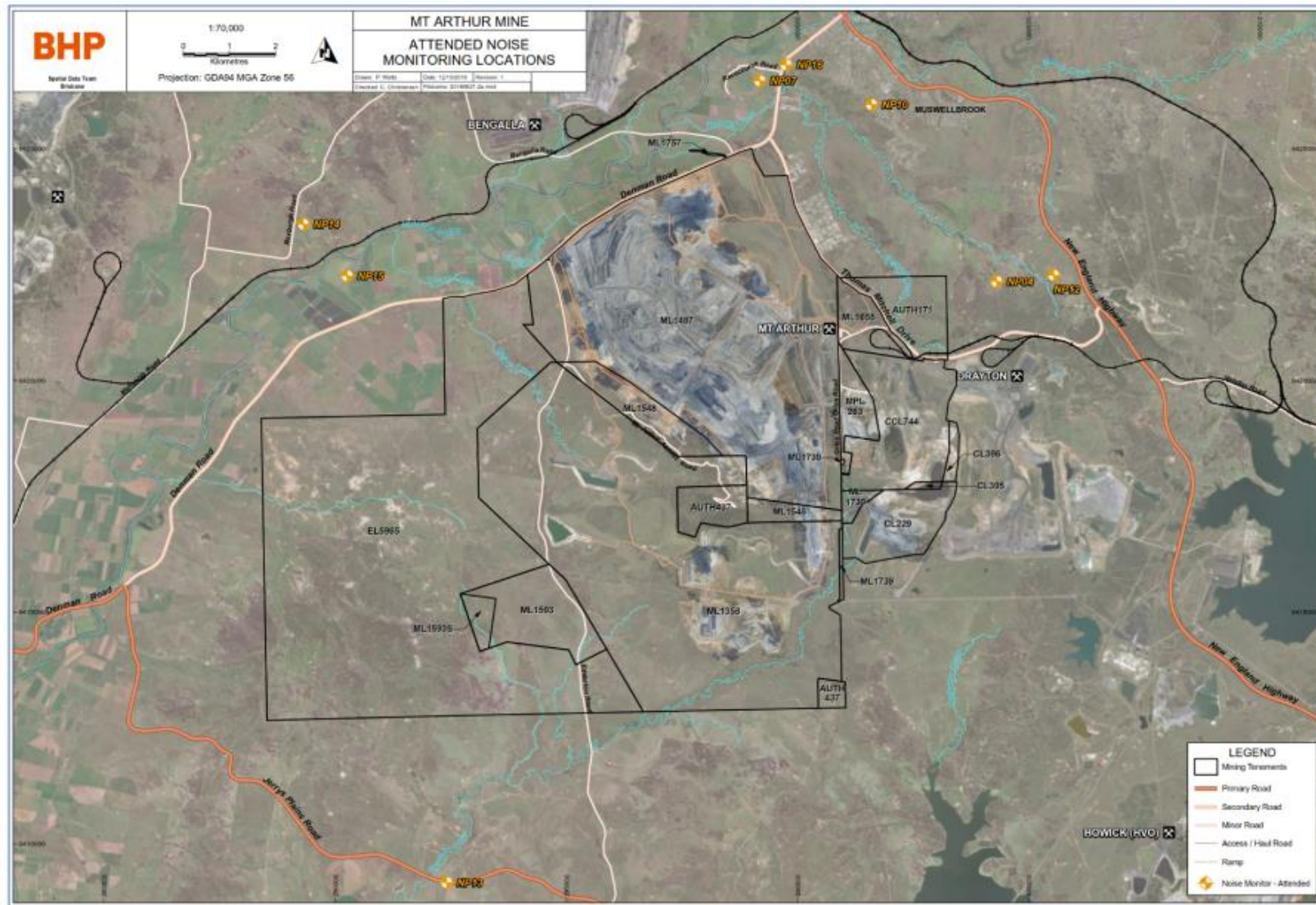
Surface Water and Ground Water Monitoring Locations:



Blast Monitoring Locations (Source: Blast Management Plan)



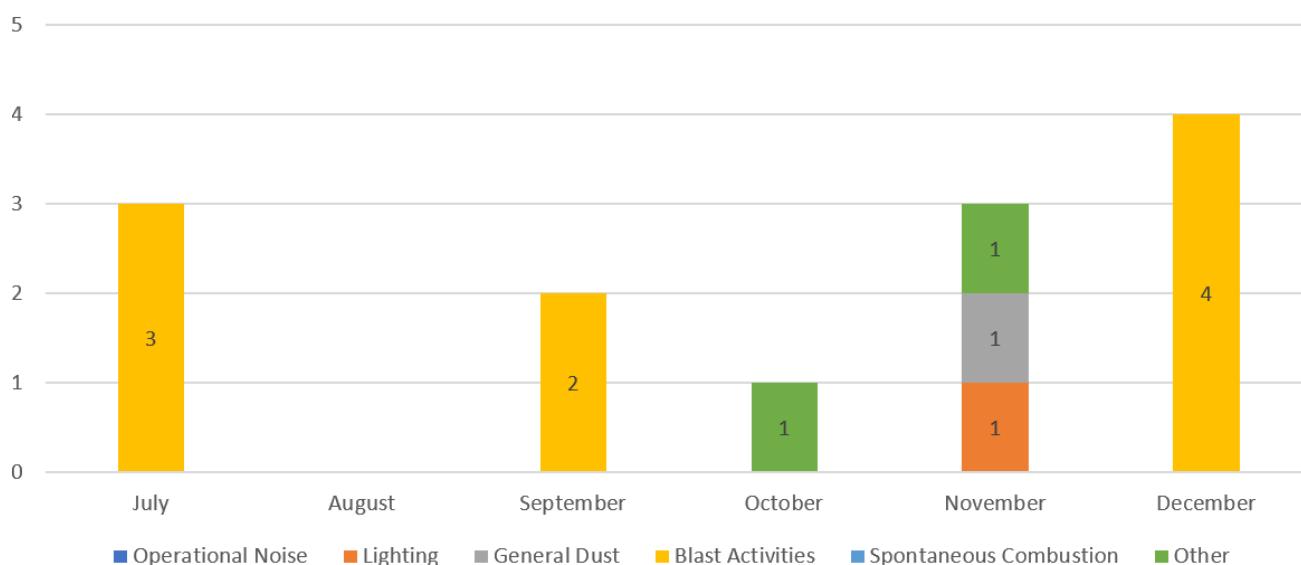
Operational Noise Monitoring (attended) Locations (Source: Noise Management Plan)



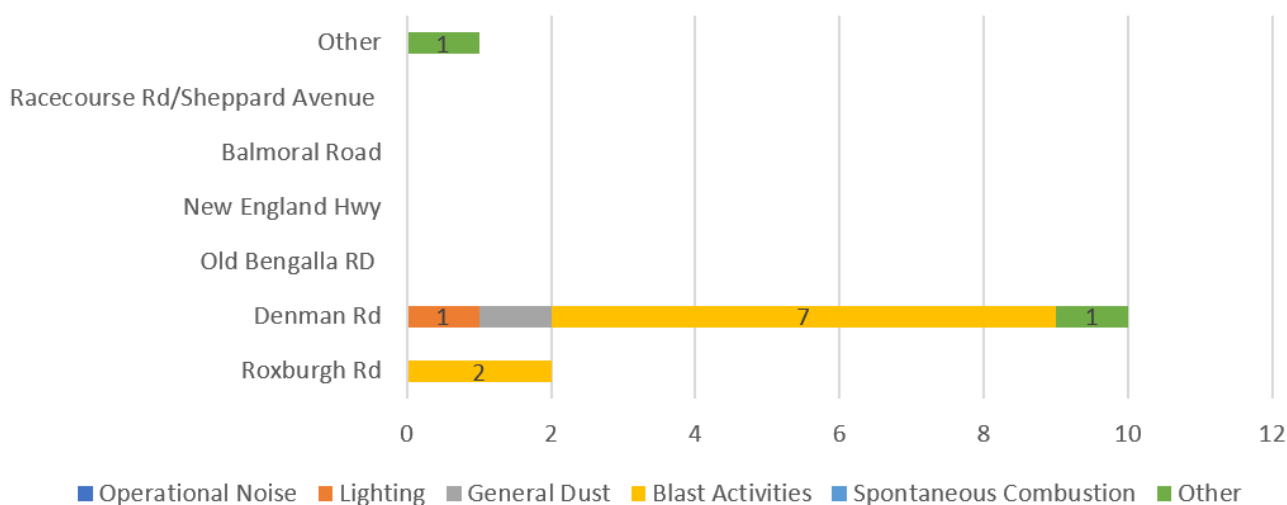
Community Complaints

The Community Complaints included in this report are for the period 1 October to 31 December 2025. Mt Arthur Coal received eight (8) complaints during this period. Four (4) complaints related to blasting impacts. One (1) complaint related to lighting and one (1) complaint related to general dust. Two (2) complaints were 'other' (not related to operational impacts), of these, one (1) related to licensee activity and one (1) related to a stakeholder concern relating to closure activity. Six (6) complaints were from Denman Road, one (1) complaint was from Roxburgh Road, and one (1) complaint was from general Muswellbrook.

FY26 NSWEC Community Complaints by type



Community Complaints by location



Actions from previous meeting/s

The actions from previous meetings are listed below.

Action	Status
Action 1 Distribute Draft Closure SIMP (WP) and collect feedback (JM)	Completed
Action 2: Update MAC CCC Terms of Reference for new member sign off at 4 March meeting (WP)	In Progress