

Mt Arthur Coal Community Consultative Committee

Planned meeting date:

13 August 2025

Information provided:

1 April 2025 to 30 June 2025

Environmental Management

FY25-26 Rehabilitation Update



Figure 1: FY25 pasture rehabilitation in the OPD emplacement



Figure 2: Harrowing of FY25 pasture rehabilitation in the OPD emplacement



Figure 3: Drain construction in FY23-24 pasture rehabilitation in the OPD emplacement



Figure 4: Constructed drains in FY23-24 pasture rehabilitation in the OPD emplacement



Figure 5: FY25 woodland rehabilitation in the Saddlers North emplacement



Figure 6: FY25 woodland rehabilitation (foreground) with habitat features and FY25 pasture (background) in the OPD emplacement

Mt Arthur's FY25 rehab target was 135ha.

During FY25 Mt Arthur Coal completed 137 hectares of rehabilitation across four areas (Out of Pit Dump [OPD] and Saddlers North emplacement areas, Main Dam and North Cut Tailings Dam). These areas were seeded with either the pasture species mix (OPD , Main Dam and North Cut Tailings Dam).

Improvement works focussed on a targeted revegetation program in the VD5 area. The scope included:

- Slashing and ripping of planting beds;
- Tube stock diversification in Box Gum Woodland area of VD5 of approximately 10ha;

Rehabilitation works for FY26 have commenced in the Saddlers North emplacement area which will deliver a mixture of

Land Management

Weed treatment continues to focus maintenance of FY25 rehabilitation areas with spot weed treatment.

Environmental Performance

Air Quality Monitoring (1 April 2025 to 30 June 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.
- On 27 May 2025, the Hunter Region was subject to a regional dust storm and MAC recorded high levels of absolute PM10 at all TEOMs. The Department of Planning, Housing and Infrastructure (DPHI) were notified of the event to ensure compliance with the Air Quality Management Plan. The notification was acknowledged, and confirmation was received that HVEC should commence reporting dust exceedances in accordance with the requirements of the Project Approval.
- Table 1 below provides an equipment performance summary. Over 98% of dust data captured from all six statutory PM10 monitoring sites during the reporting period.
- Equipment availability continues to improve overall following implementation of several improvement initiatives including the purchase of new TEOMs, UPS battery units & communication loggers.

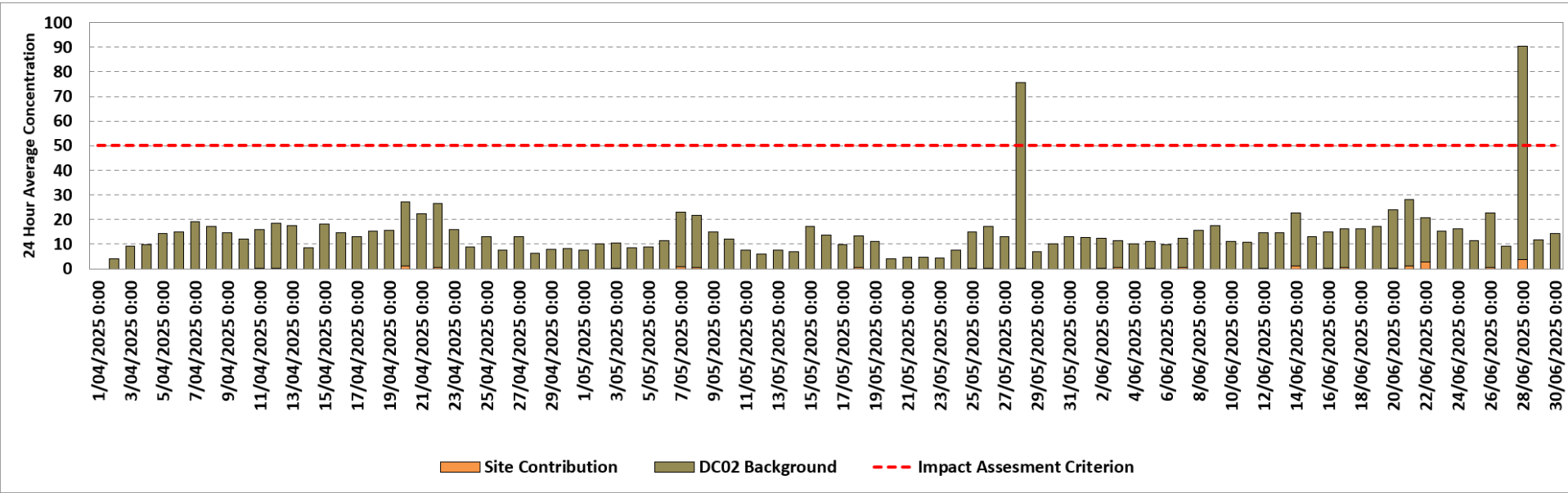
Table 1. Equipment Performance Summary

Site	Date/s	Reason
DC02	1/04/2025	During the period listed <75% data captured due to power, technical or equipment connectivity issues.

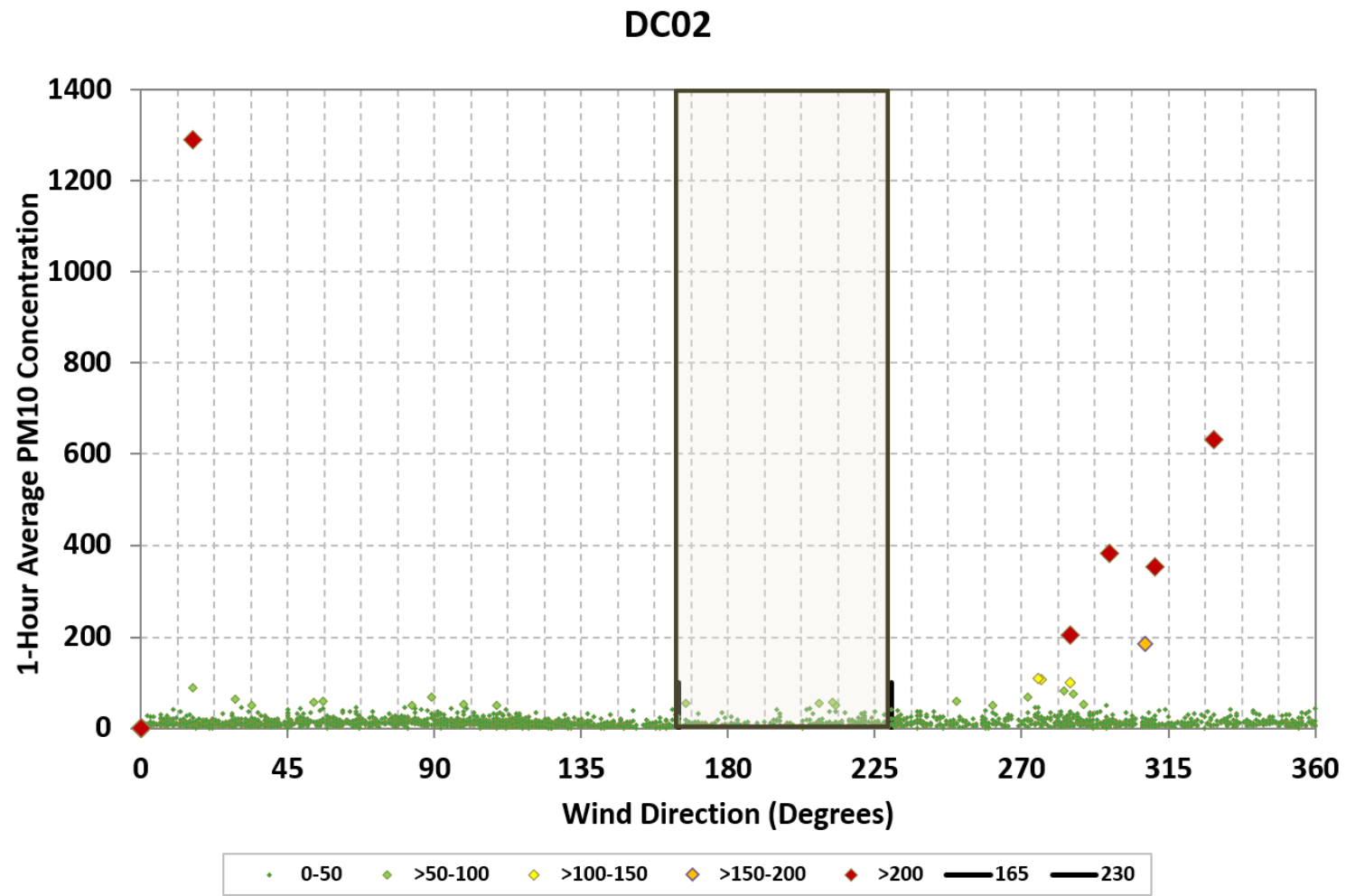
- A guide has been provided at the end of this section to assist in the interpretation of the results and figures. The figures within this section have been developed in line with consultation with members of the CCC.

Sheppard Avenue – DC02

Data capture – 99%

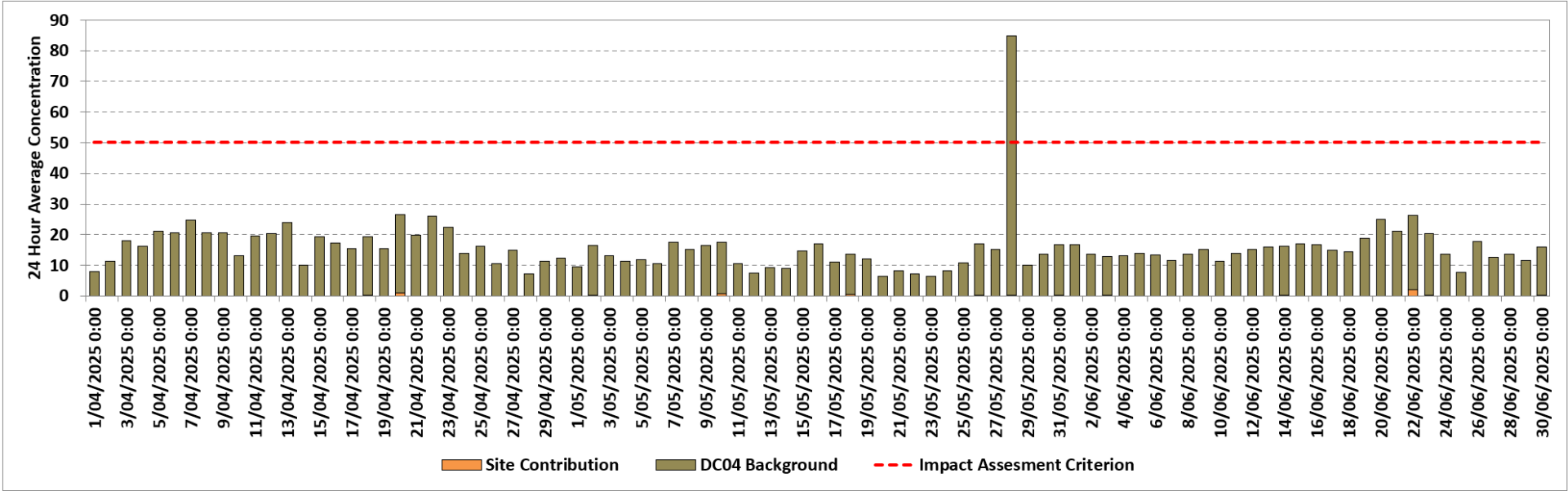


Sheppard Avenue – DC02

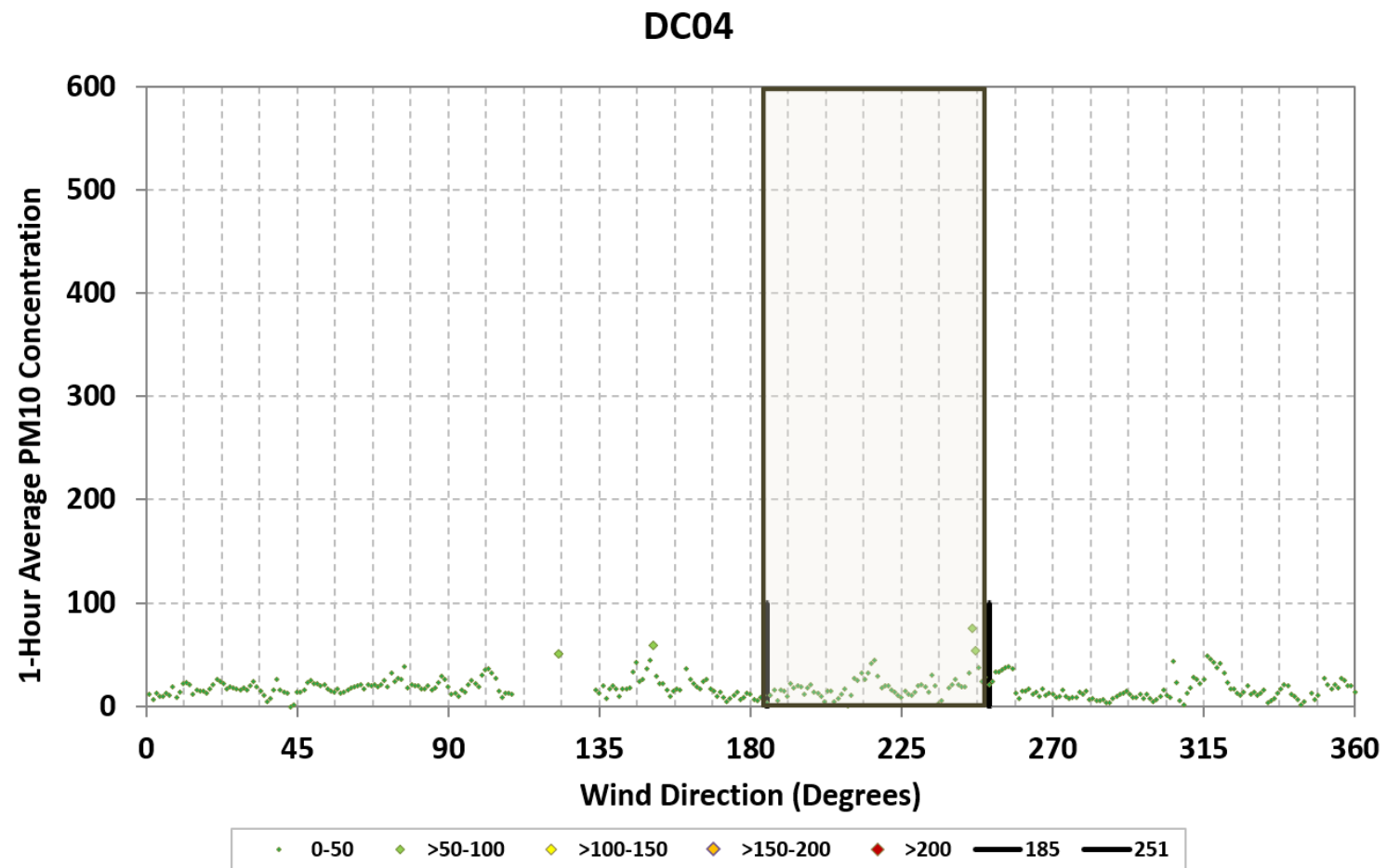


South Muswellbrook – DC04

Data capture – 100%

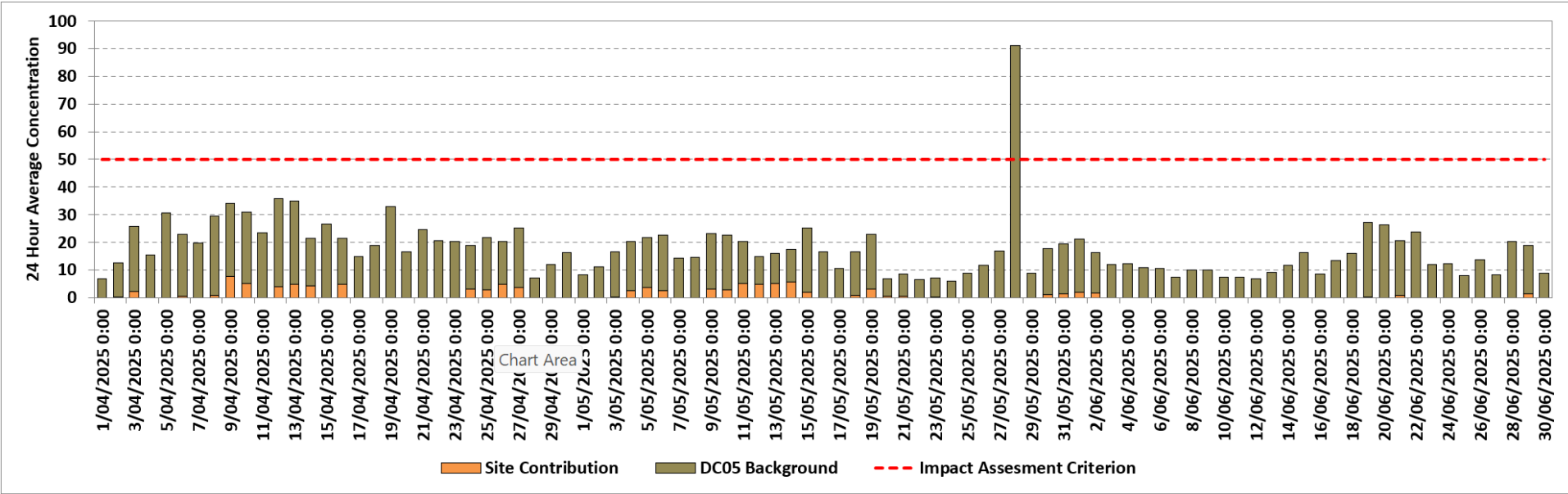


South Muswellbrook – DC04

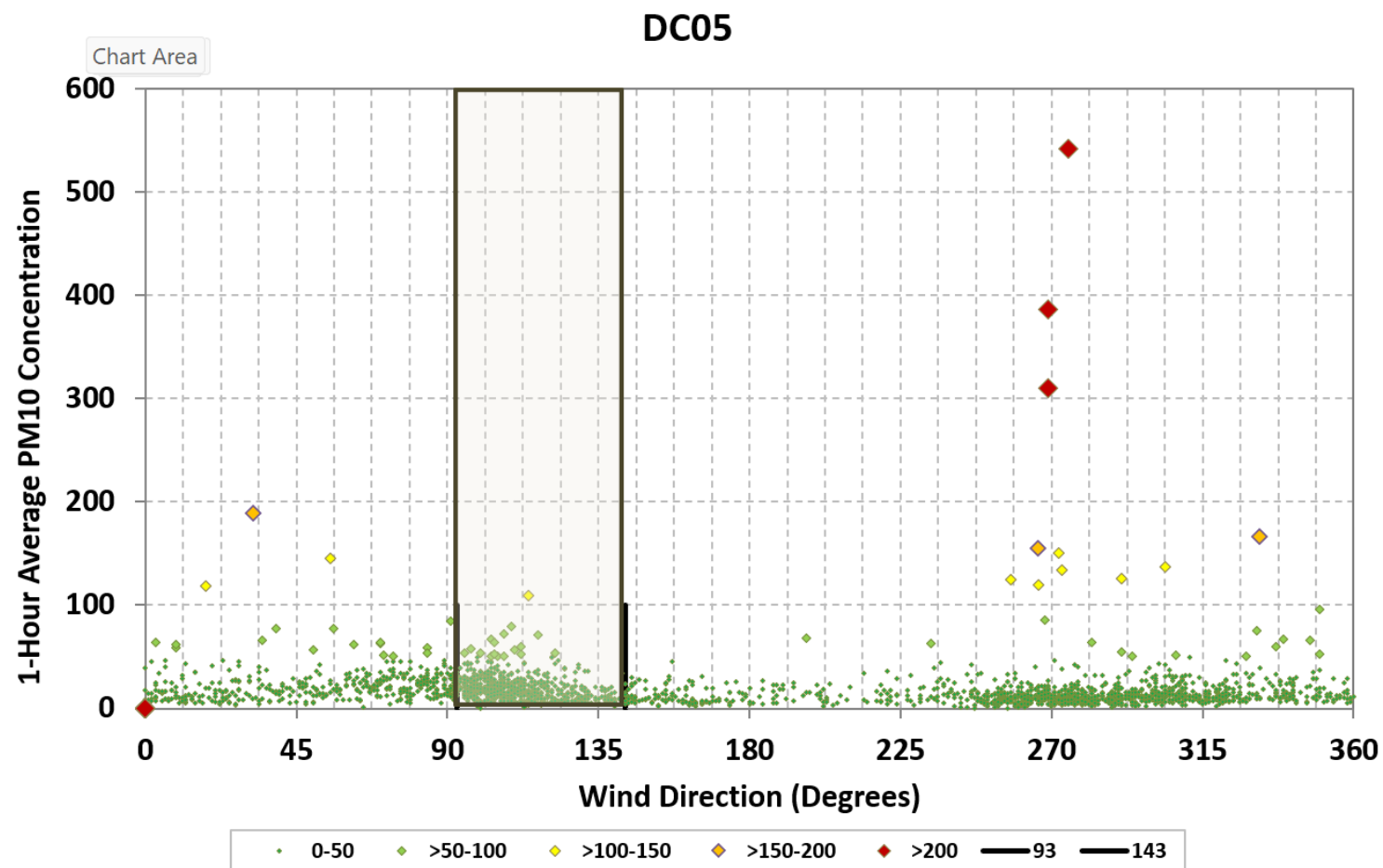


Roxburgh Road – DC05

Data capture – 100%

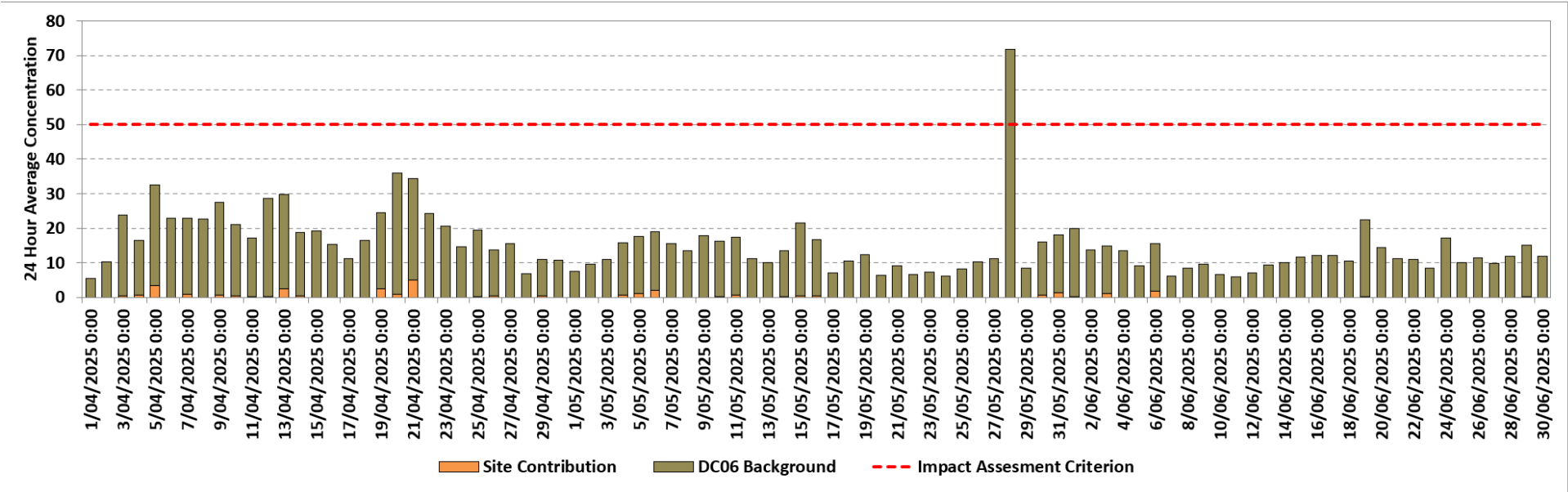


Roxburgh Road – DC05

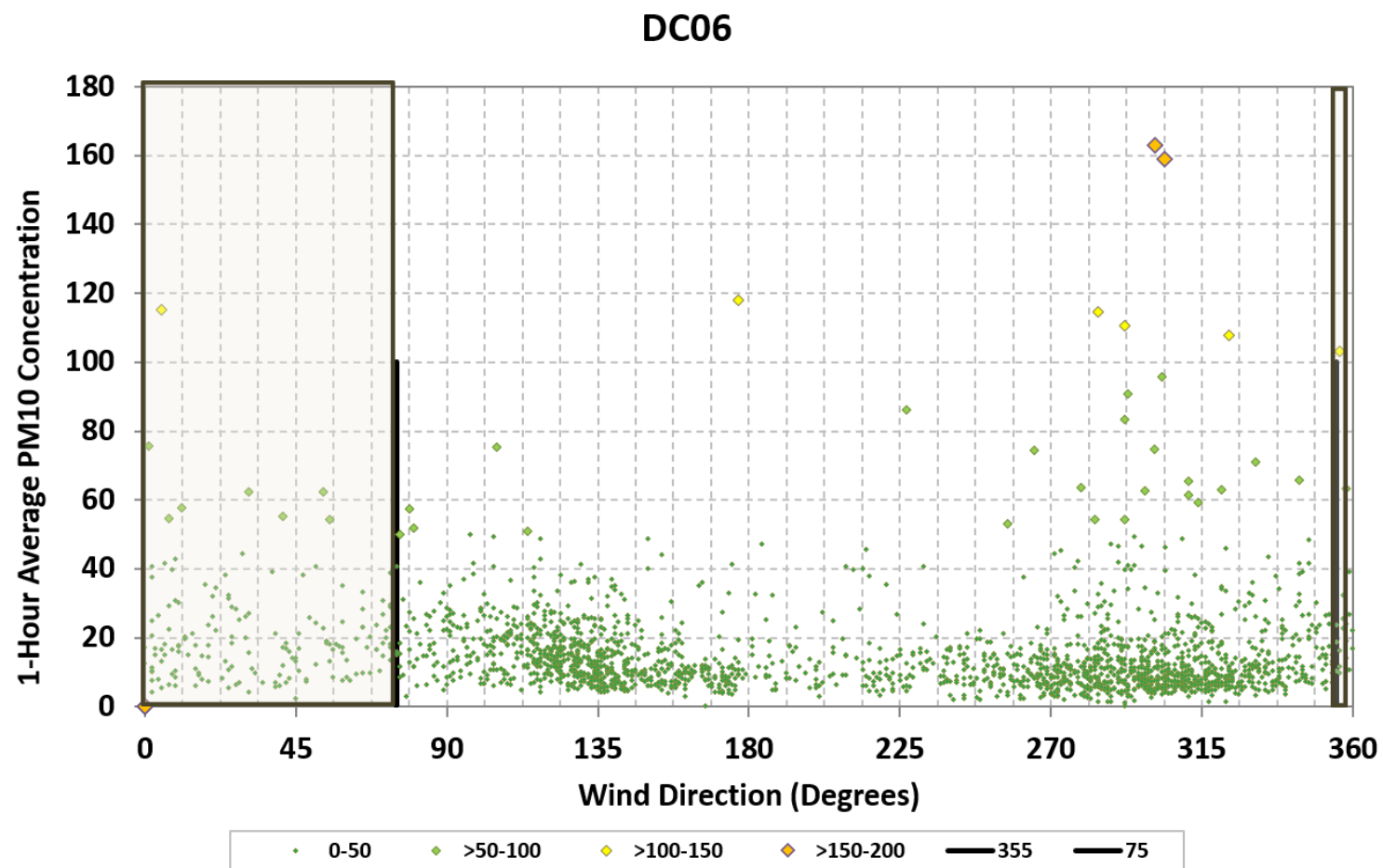


Edderton Homestead - DC06

Data capture – 100%

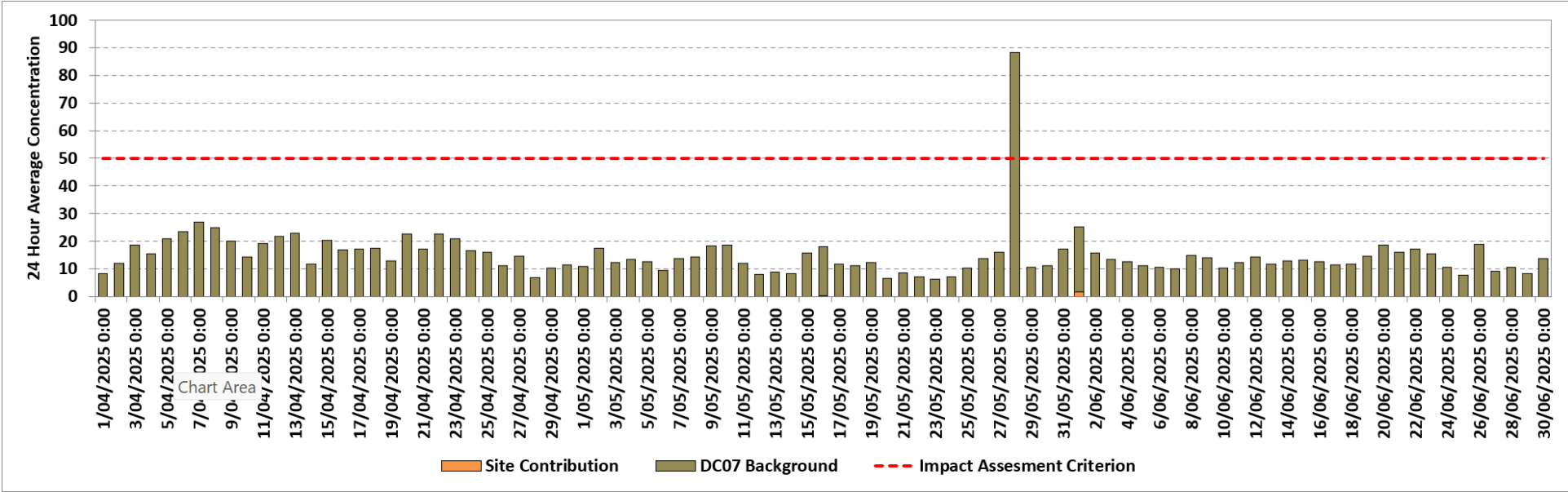


Edderton Homestead - DC06

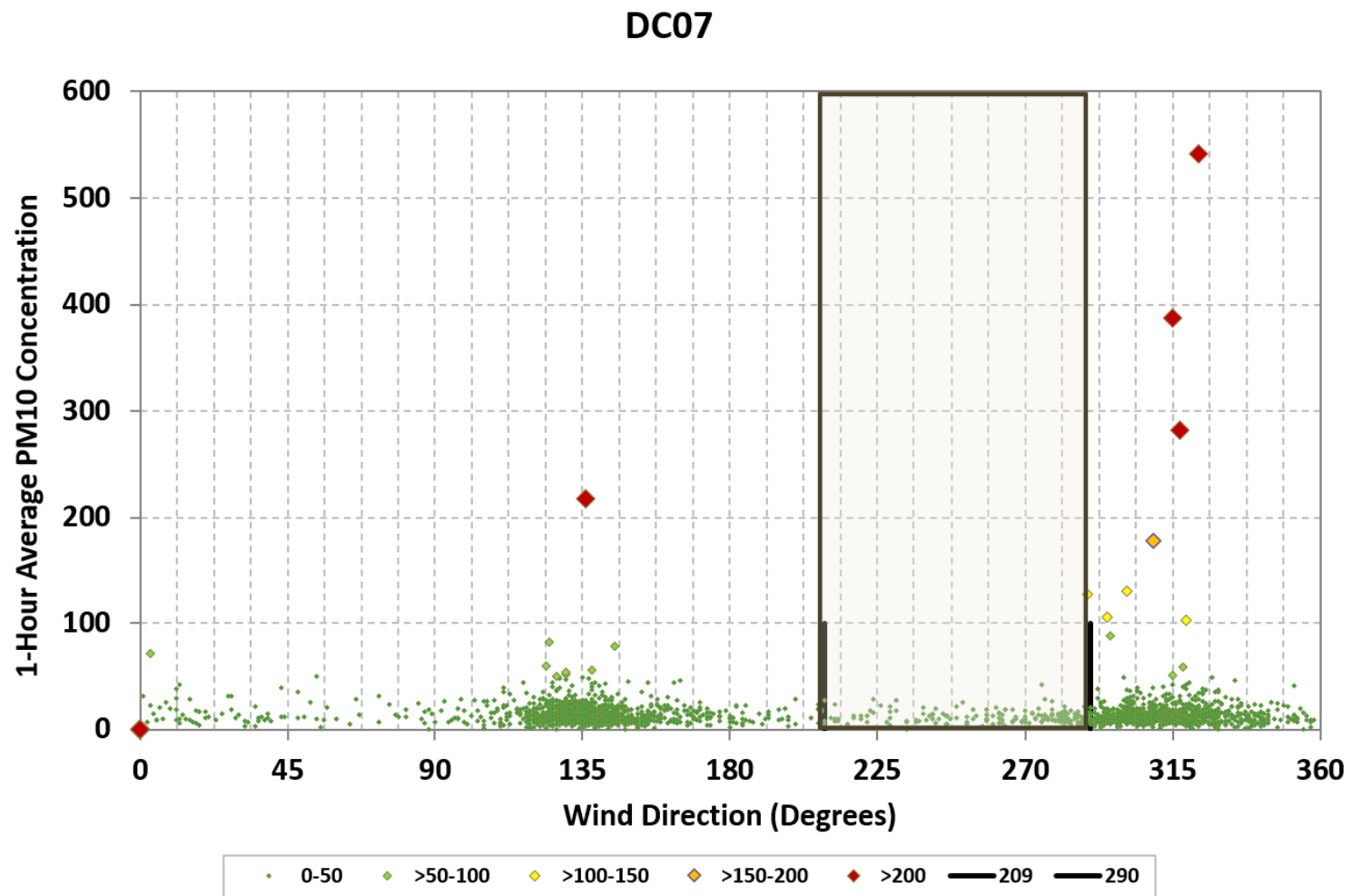


Antiene - DC07

Data capture – 100%

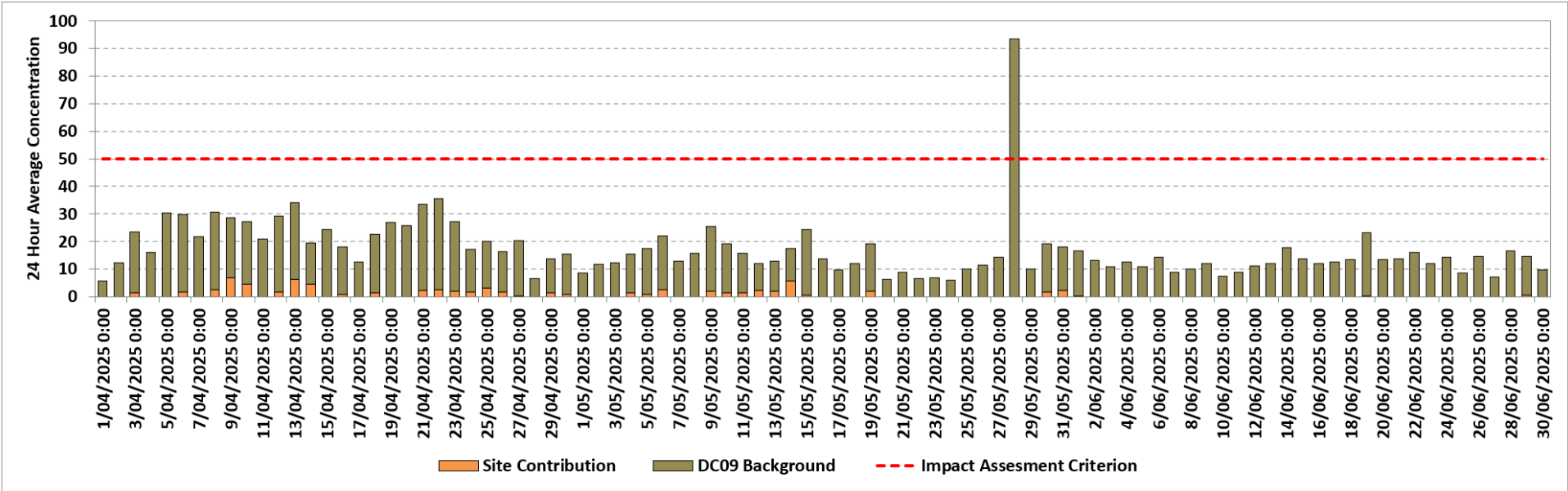


Antiene - DC07

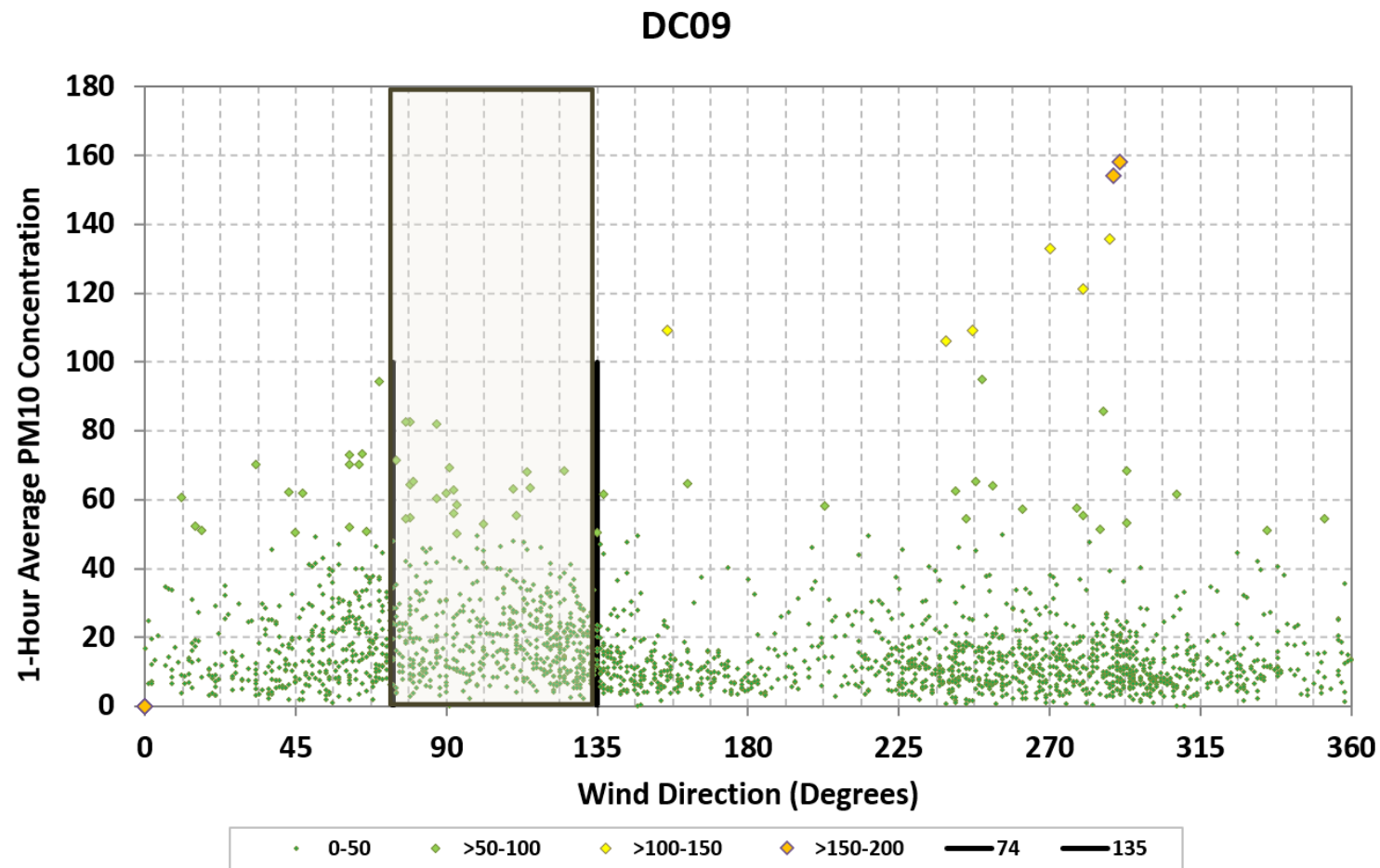


Wellbrook – DC09

Data capture – 100%

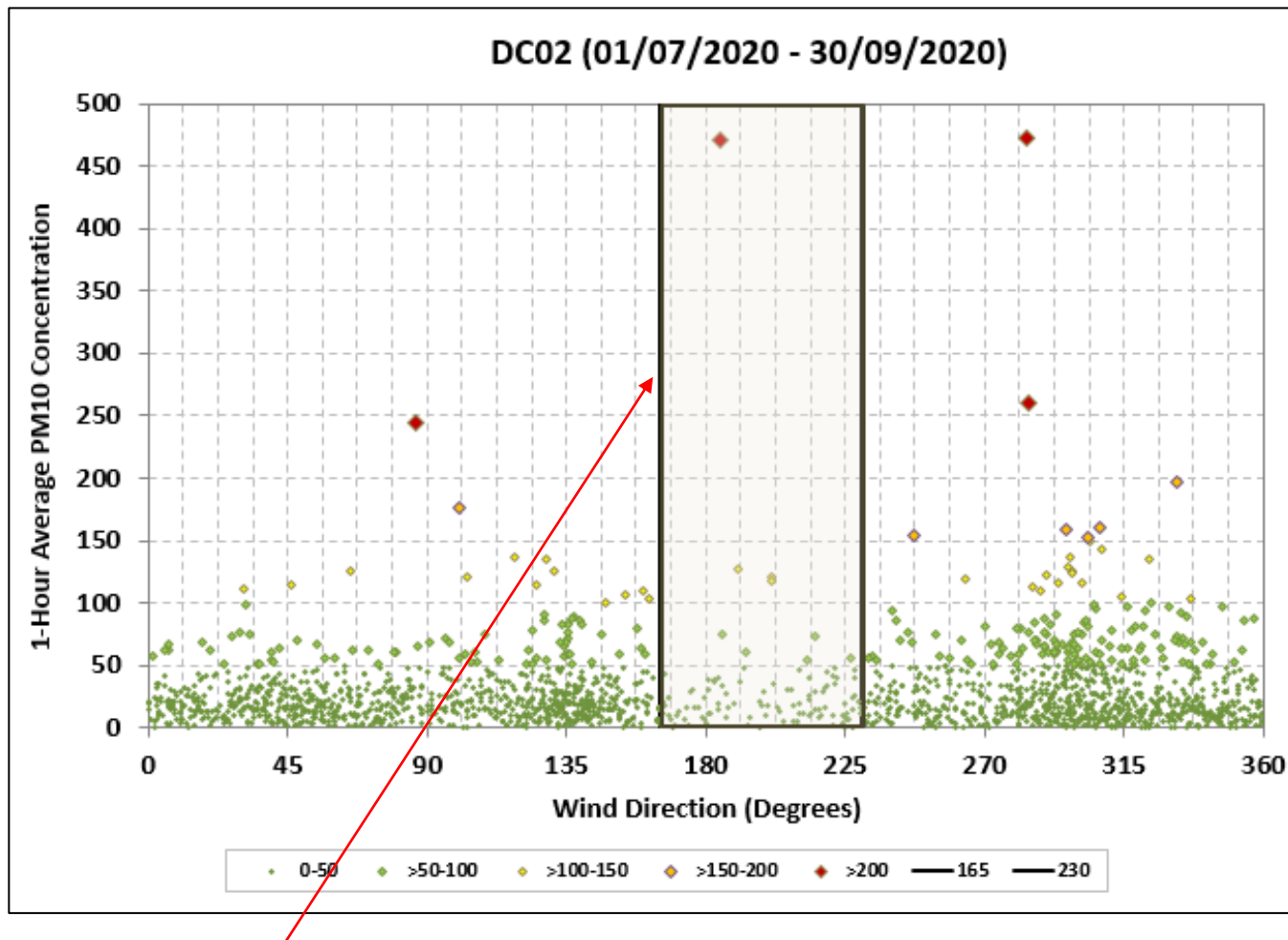


Wellbrook – DC09

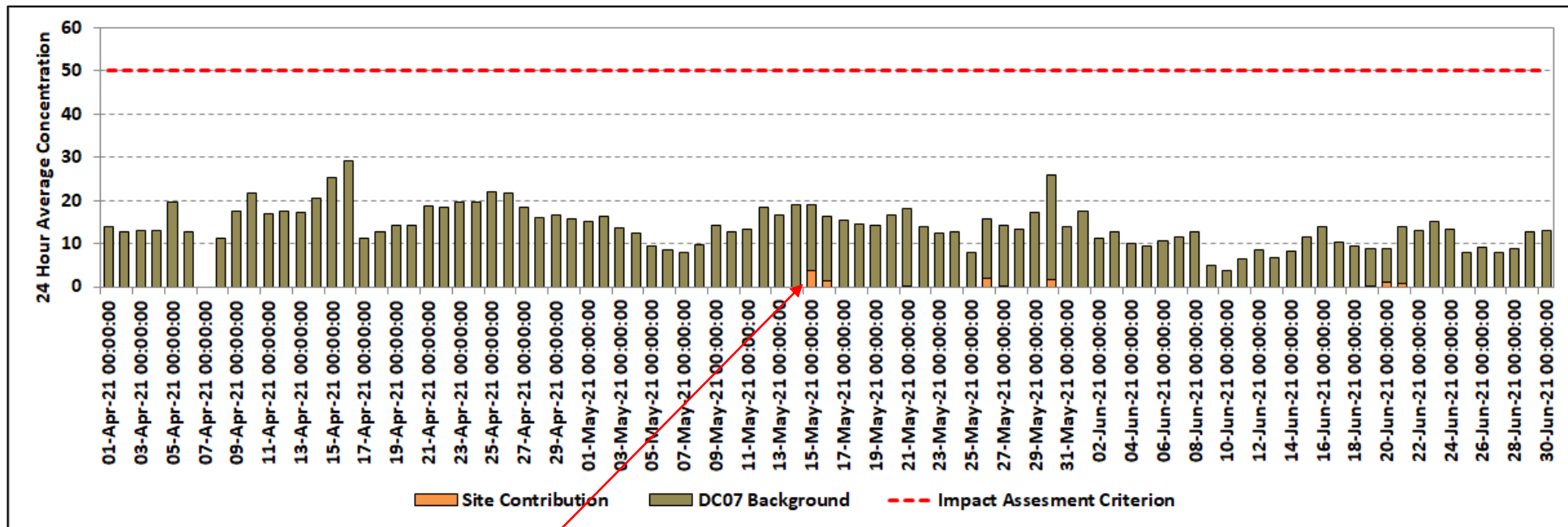


Air Quality Monitoring Interpretation Guidance

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



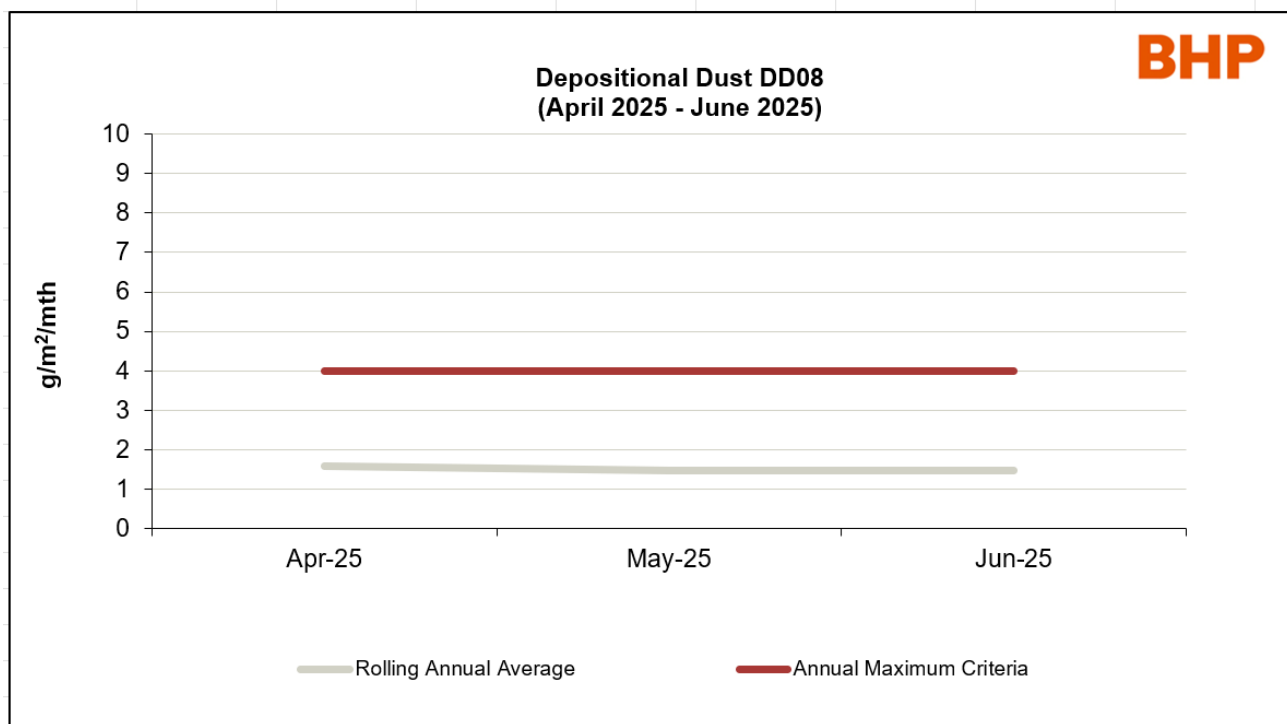
This graphic shows the window where the Mt Arthur Coal contribution is at risk of influencing the DC02 dust monitor based on the wind direction. This window can be referred to as the Arc of Influence. All 1- Hour Average Concentrations have been plotted for the reporting period to give an indication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

Air Quality Monitoring Interpretation Guidance continued

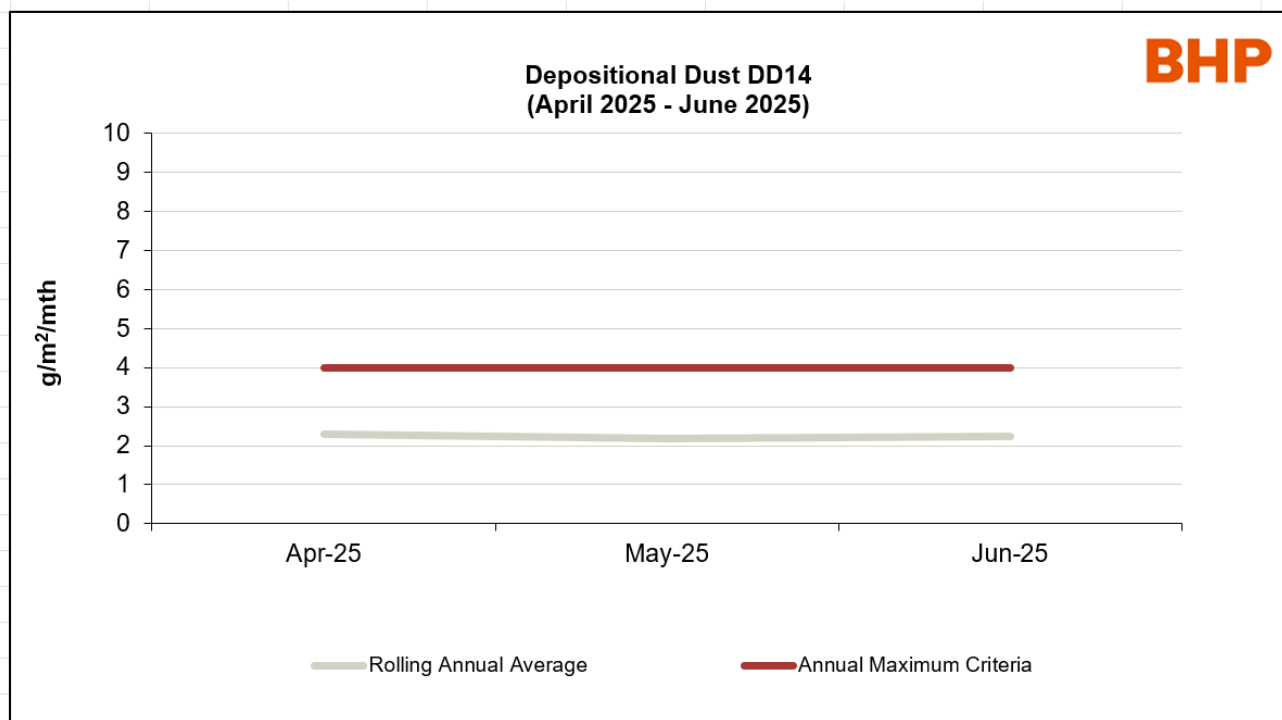
This graphic shows the cumulative Daily 24hr PM10 concentrations along with the incremental Mt Arthur Coal concentrations. This example shows that the cumulative 24hr concentration ('Background') of approximately $20\mu\text{g}/\text{m}^3$; the Mt Arthur incremental concentration ('Site Contribution') is represented by the orange coloured portion.

Deposited Dust**DD08**

Data capture – 100%

**DD14**

Data capture – 100%



Water Monitoring (1 April 2025 to 30 June 2025)*Groundwater*

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

The March 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 all reported to DPHI and will continue to be monitored.

Surface water

Surface water monitoring was conducted monthly during the three-month period. There were no exceedances of the criteria.

Blast Monitoring (1 April 2025 to 30 June 2025)

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

One blast event on Saturday 21 June 2025, 11:40am reported the following:

- One exceedance of the lower vibration limit (5 mm/s) at the Denman Rd West monitor (BP09R) with a result of 6.06 mm/s; and
- One exceedance of the lower overpressure limit (115 dBL) at the South Muswellbrook monitor () with a result of 116.0 dBL.

No complaints were received for this event. The exceedance of the lower vibration and overpressure limits is within the 5% of allowable exceedances for FY25 and not considered an environmental incident.

Operational Noise Monitoring (1 April 2025 to 30 June 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 was one exceedance of the $L_{Aeq,15minute}$ threshold levels (35 dB) at one noise monitoring location during the reporting period:

- On the night of Tuesday 15 April 2025 at 22:11, NP15 (Wellbrook) recorded a site only $L_{Aeq,15minute}$ value of 36 dB. A remeasure conducted 71 minutes after the initial measurement was taken recorded a site only $L_{Aeq,15minute}$ value of 33 dB.

No noise complaints were received from surrounding landowners or any other individuals.

The event was reported to both the EPA and DPHI as per the Project Approval. The exceedance report was closed out by the DPHI with no further action required.

Environmental Incidents (1 April 2025 to 30 June 2025)Groundwater Exceedance

The groundwater monitoring that was undertaken in March 2024 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.

Environmental Reporting (1 April 2025 to 30 June 2025)

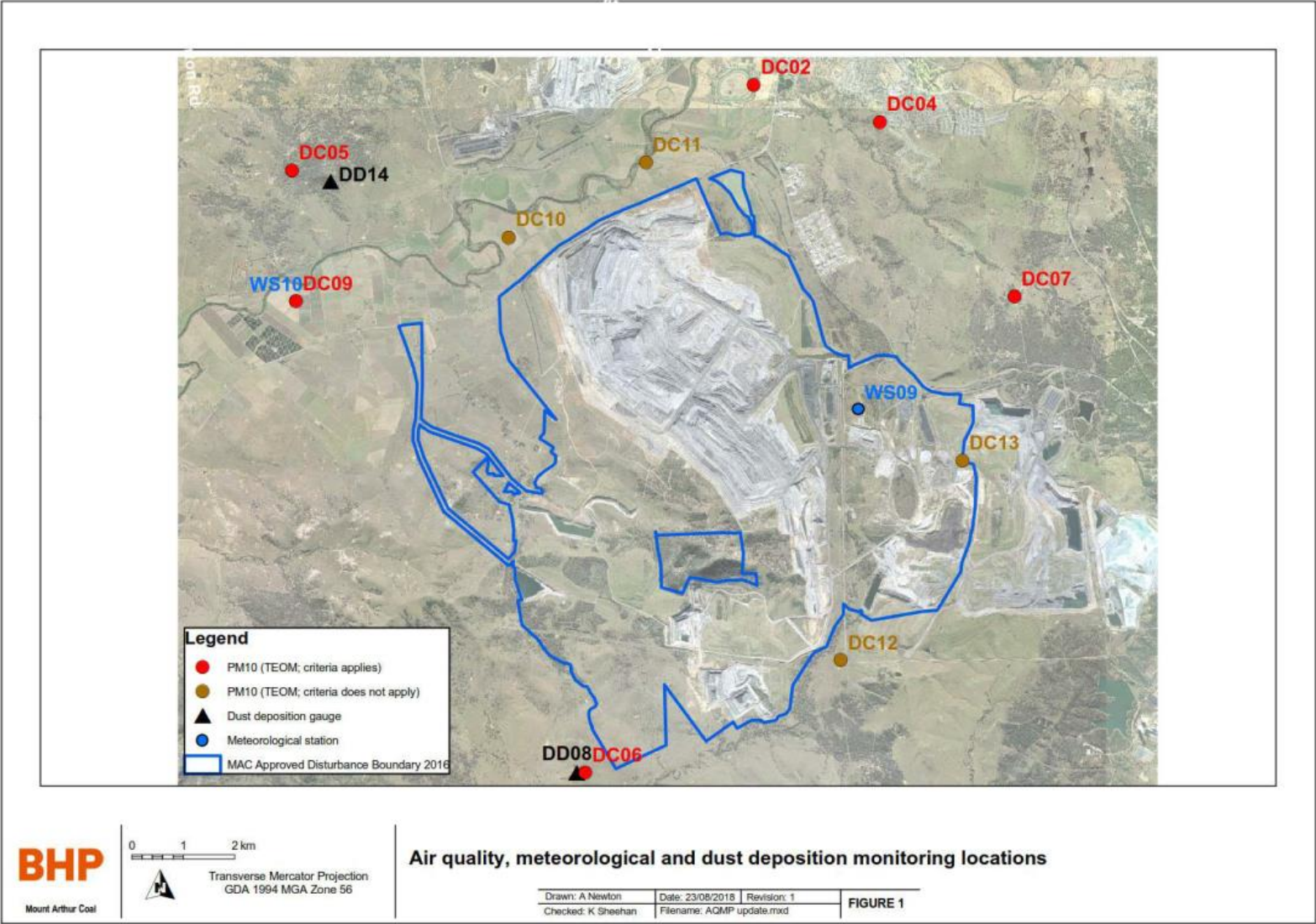
Monthly Reporting

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)

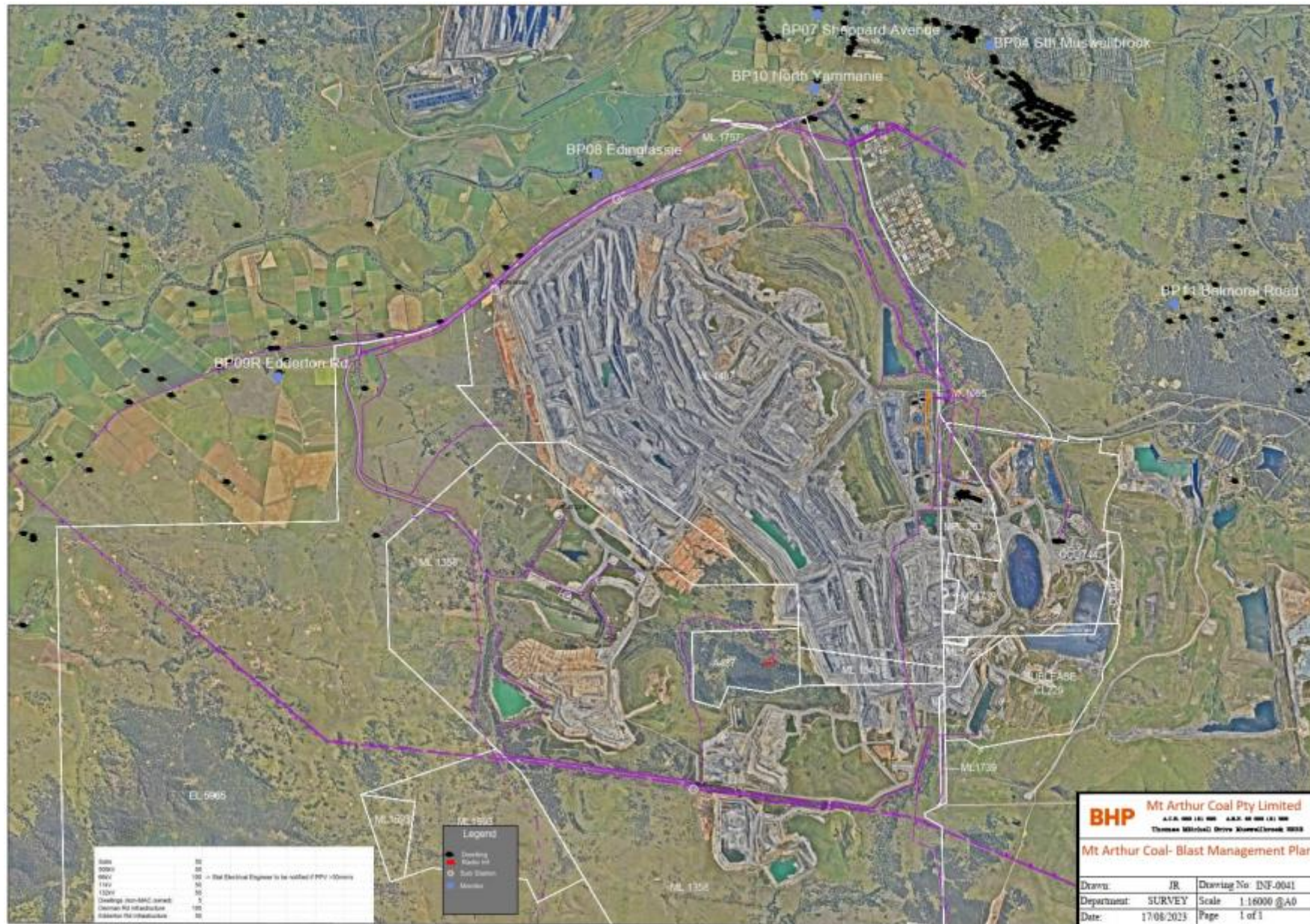
Air Quality and Meteorological Monitoring Locations (Source: Air Quality Management Plan)



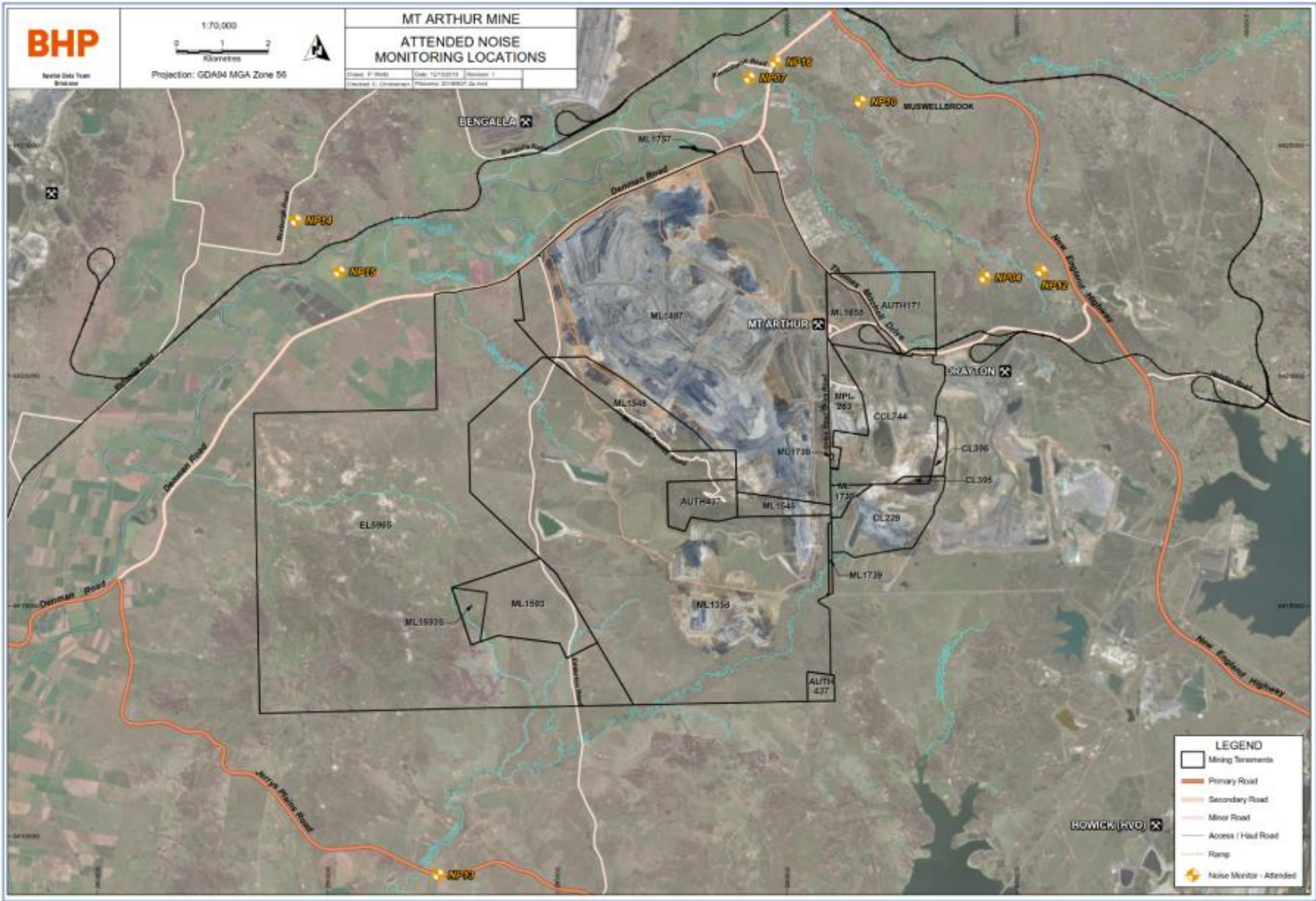
Surface Water and Ground Water Monitoring Locations:



Blast Monitoring Locations (Source: Blast Management Plan)

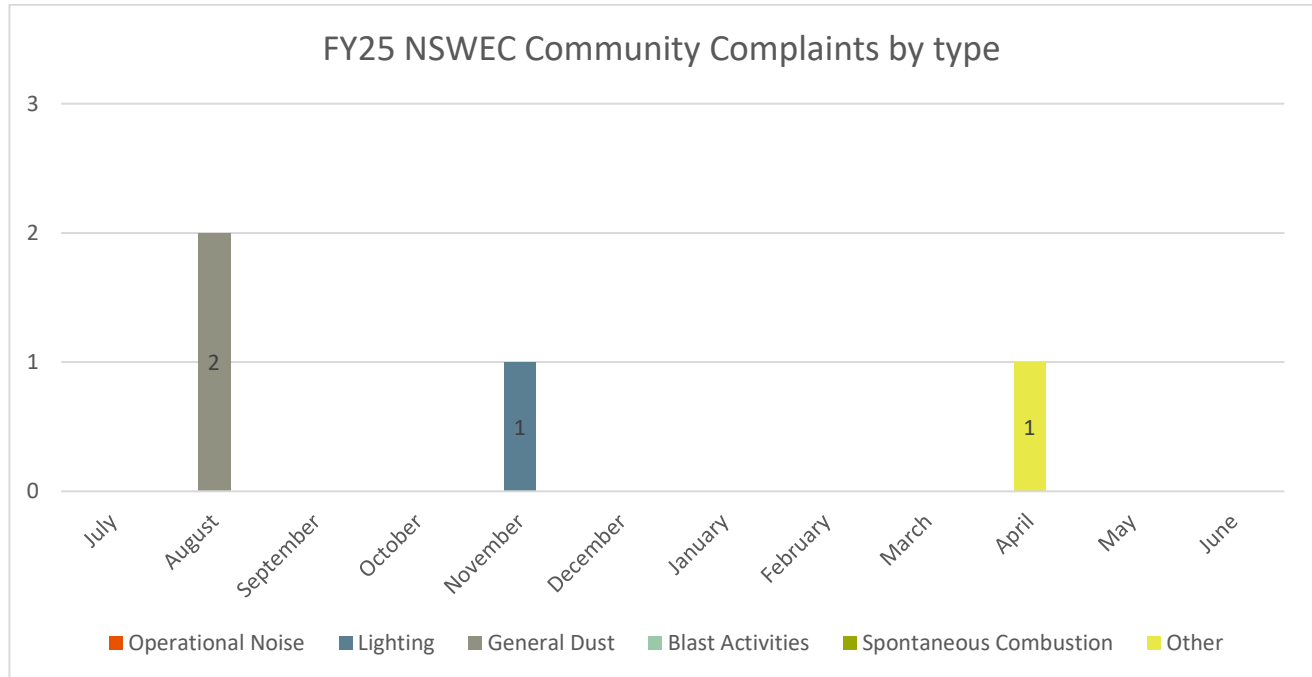


Operational Noise Monitoring (attended) Locations (Source: Noise Management Plan)



Community Complaints

The Community Complaints included in this report are for the period 1 April to 30 June 2025. Mt Arthur Coal received one (1) complaints during this period. The complaint was not related to environmental impacts.



Actions from previous meeting/s

The actions from previous meetings are listed below.

Action	Status
Actions from 10 November 2021 meeting	
Action 1: WP and JM to liaise regarding commencing a process for recruiting more community and stakeholder group members for MAC CCC.	In Progress
Action 2: WP to circulate feedback request for Community Fund	
Actions remaining open from previous meetings	
Action 1 (Feb 2024): MAC to advise the CCC when the Public Exhibition period is known for the EPBC Referral documentation	Ongoing. No updates from DEECW