

# HUNTER VALLEY OPERATIONS

## MONTHLY ENVIRONMENTAL MONITORING REPORT JANUARY 2025

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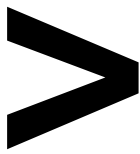
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14/03/2025

**REVIEW**  
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**OWNER**  
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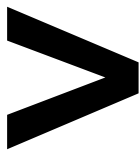
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# 1 | INTRODUCTION

This report has been compiled to provide a monthly summary of environmental monitoring results for Hunter Valley Operations (HVO). This report includes all monitoring data collected for the period 1 – 31 January 2025 (the 'Reporting Period').

# 2 | AIR QUALITY

## 2.1 | METEOROLOGICAL MONITORING

HVO maintains two meteorological stations: 'HVO Corporate' and 'Cheshunt' (refer to Figure 4).

### 2.1.1 | RAINFALL

Rainfall recorded at the HVO Corporate weather station during the period is summarised in Table 1. The 2023, 2024 and 2025 trends are shown in Figure 1.

Table 1 - Rainfall data for the reporting period

2025	Monthly Rainfall (mm)	Cumulative Rainfall (mm)
January	60.0	60.0

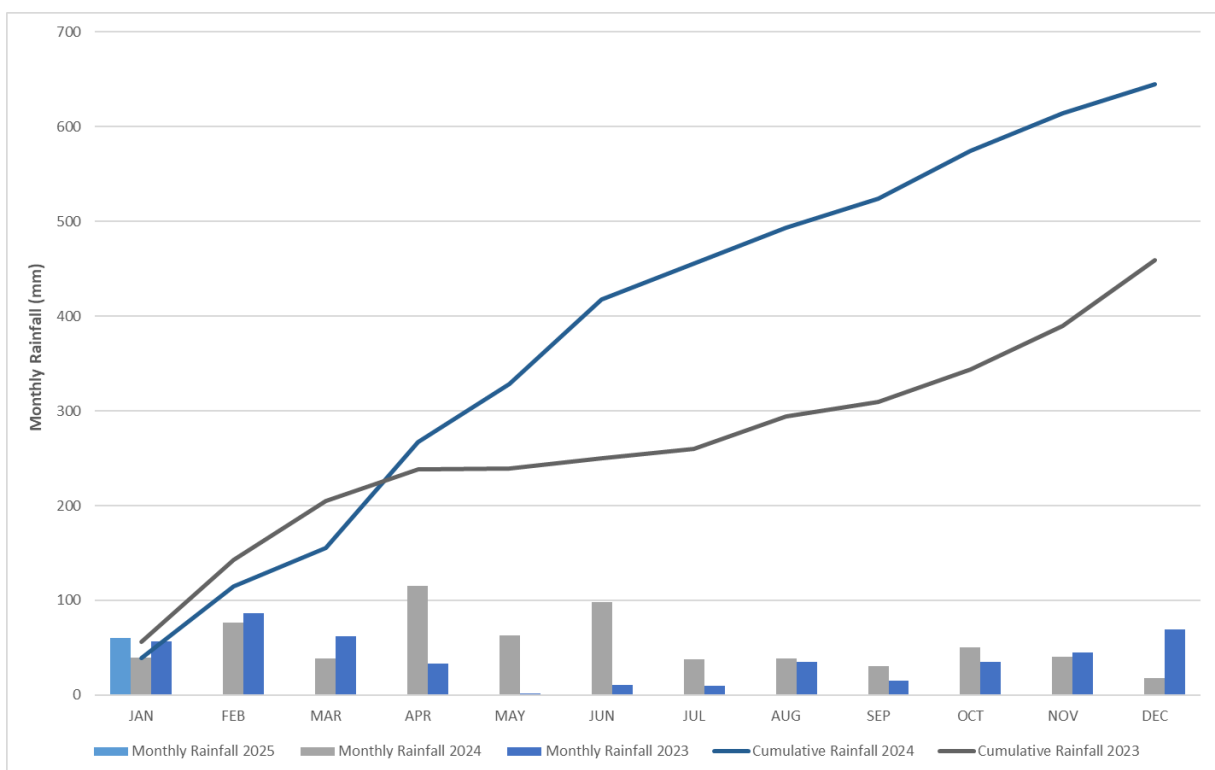
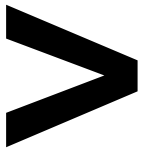


Figure 1 - Rainfall Summary 2023 – 2025



2.1.2 | WIND SPEED AND DIRECTION

Figure 2 and Figure 3 wind roses show wind speeds and directions during the reporting period at HVO Corporate and Cheshunt meteorological stations. South easterly winds were prevailing at both the HVO Corporate and HVO Cheshunt weather stations during the reporting period.

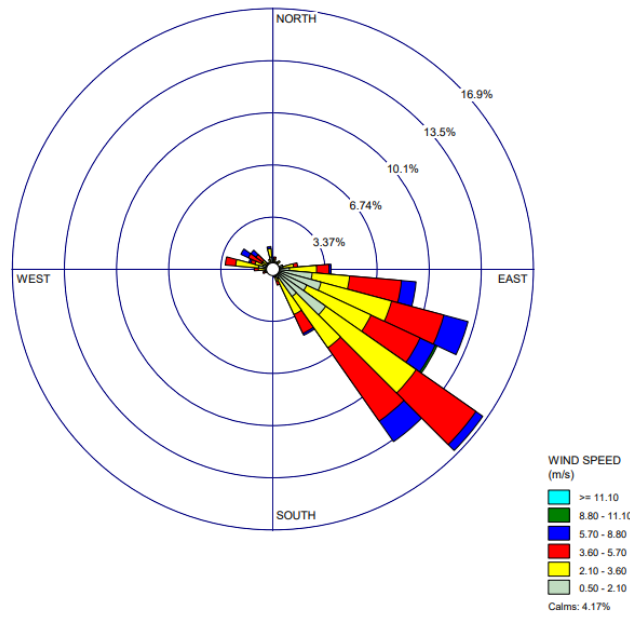


Figure 2 – HVO Corporate Wind Rose for the Reporting Period

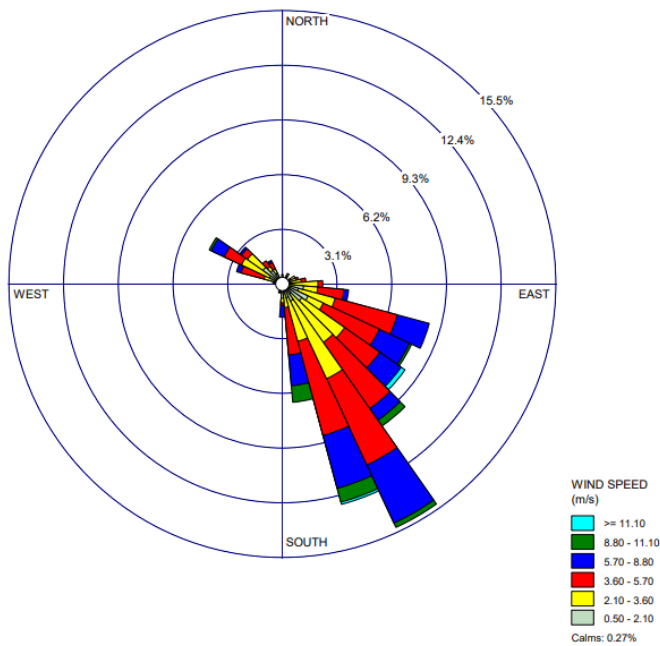


Figure 3 – HVO Cheshunt Wind Rose for the Reporting Period

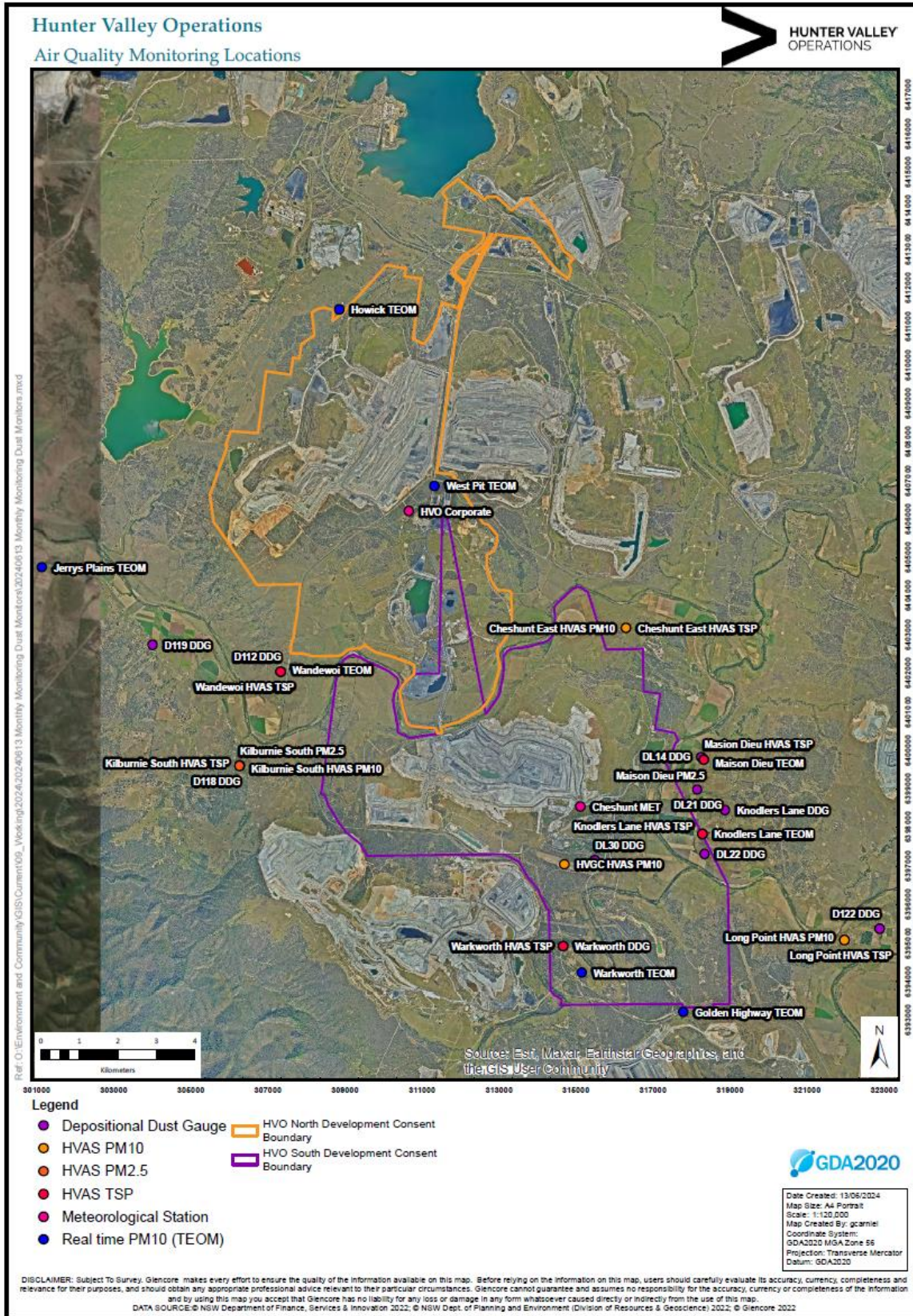
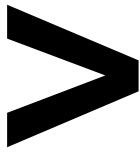


Figure 4 – Air Quality Monitoring Location Plan

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2.2 | DEPOSITIONAL DUST

HVO operates and maintains a network of depositional dust gauges situated on private and mine owned land surrounding HVO to monitor regional air quality.

Figure 5 displays year-to-date (YTD) insoluble solids results from depositional dust gauges during the reporting period compared against the annual impact assessment criteria. Any monthly results deemed to be contaminated (due to presence of bird droppings, insects, etc.) are not displayed. An assessment of HVO’s contribution against the long-term impact assessment criteria will be provided in the 2025 Annual Review.

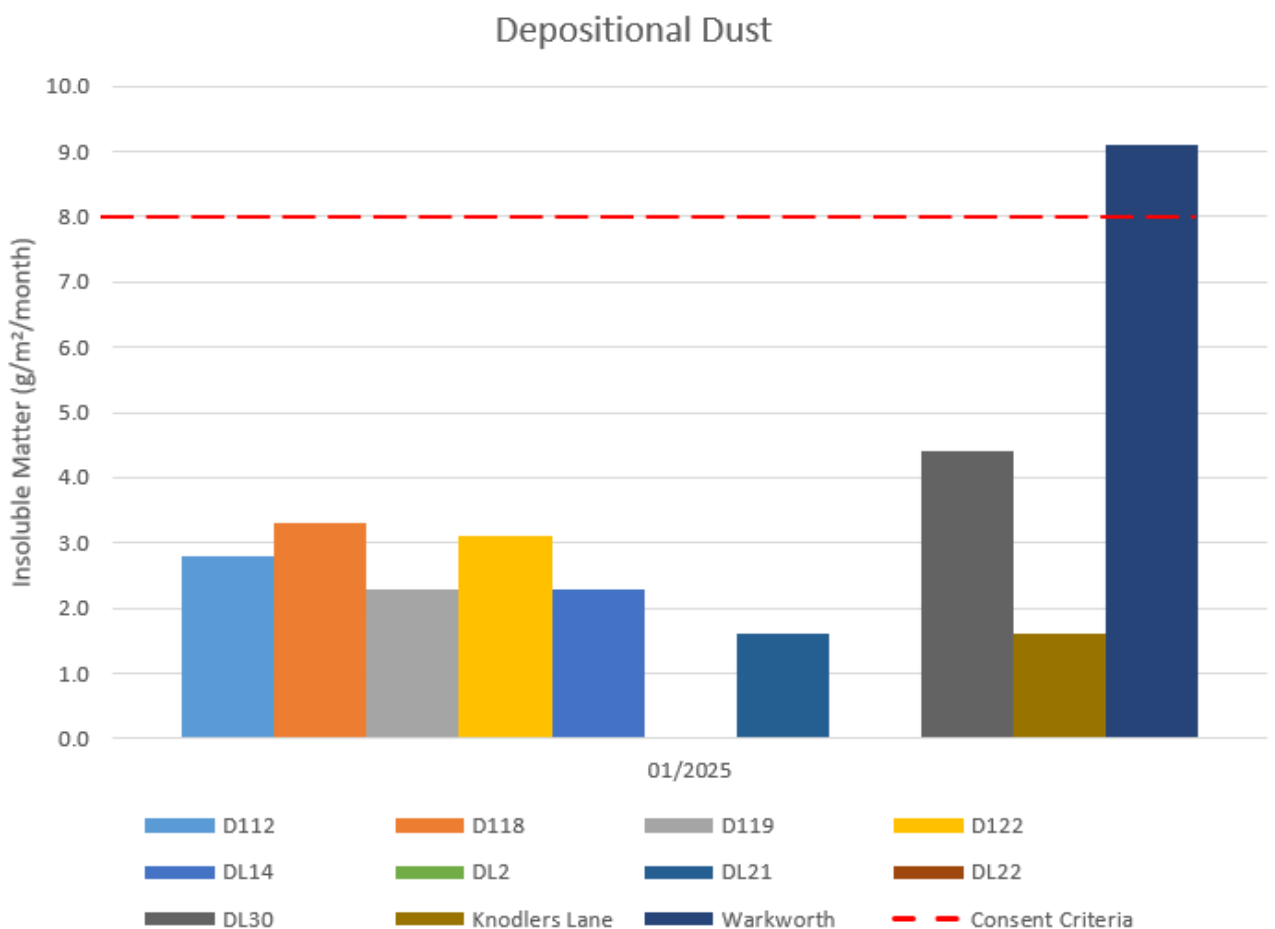
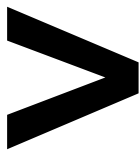


Figure 5 – YTD Depositional Dust Results as at end of the Reporting Period



2.3 | SUSPENDED PARTICLES

Suspended particles are measured by a network of High-Volume Air Samplers (HVAS) measuring Total Suspended Particulates (TSP) and Particulate Matter <10µm (PM10). The Kilburnie South and Maison Dieu HVAS also monitor Particulate Matter <2.5µm (PM2.5). The location of these monitors is presented in Figure 4. Each HVAS runs for 24-hours on a six-day cycle.

2.3.1 | HVAS PM10 RESULTS

2.3.1.1 | PERFORMANCE AGAINST SHORT TERM IMPACT ASSESSMENT CRITERIA

Figure 6 shows individual PM10 results at each monitoring station against the short-term impact assessment criteria of 50µg/m³ for the reporting period. All monitors were below the short-term impact assessment criteria during the reporting period, with the exception of 6 January when all monitors reported exceedances of the criteria.

The potential exceedances were investigated internally by HVO and found that the maximum calculated HVO contributions were below the compliance limit.

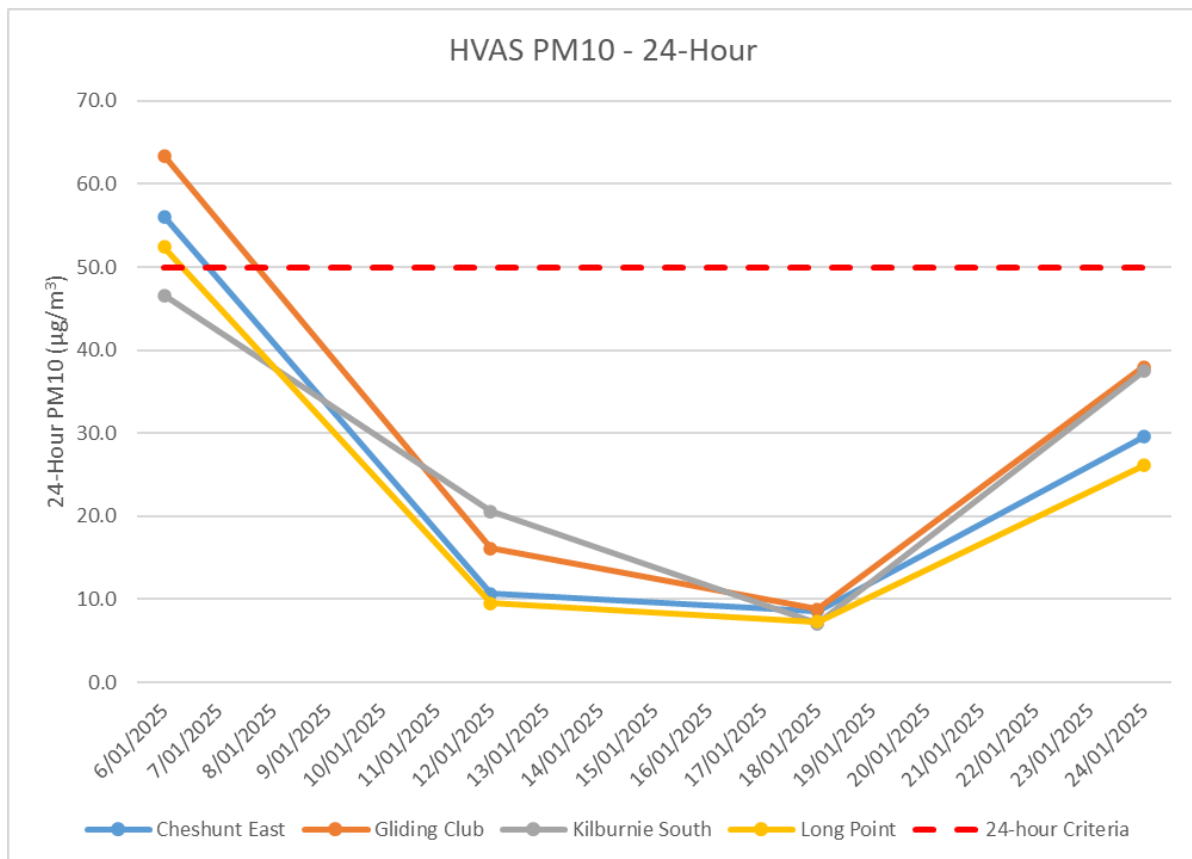
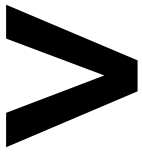


Figure 6 – Individual PM10 Results for the Reporting Period





2.3.1.2 | PERFORMANCE AGAINST LONG TERM IMPACT ASSESSMENT CRITERIA

Figure 7 shows the year-to-date rolling annual average PM10 results. All site monitors annual averages reported at the end of the period were below the North Annual Average Criteria. Both Gliding Club and Kilburnie South monitoring sites were above the South Annual Average Criteria whereas Long Point and Cheshunt East sites were below the South criteria.

An assessment of HVO’s contribution against the long-term impact assessment criteria will be provided in the 2025 Annual Review.

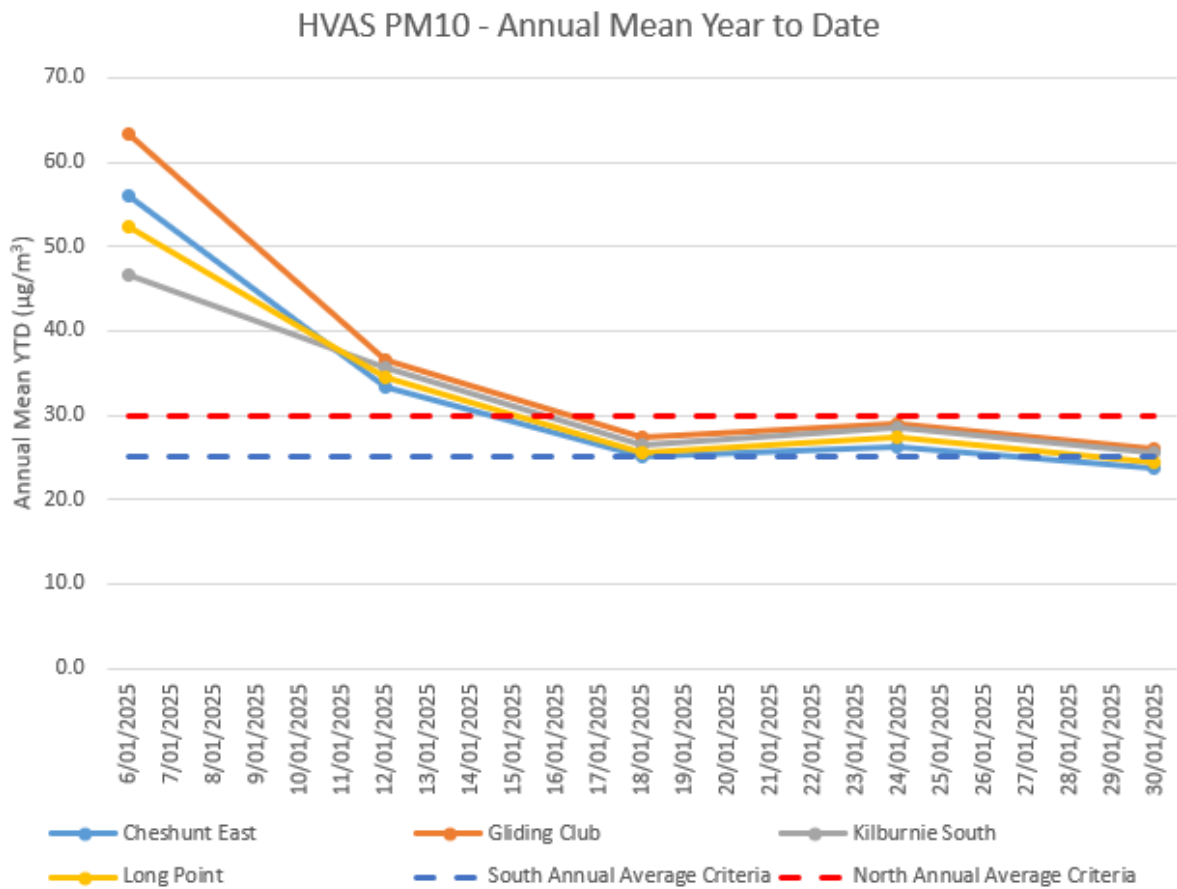


Figure 7 – Year to Date Average PM10 as at end of the Reporting Period



2.3.2 | HVAS PM<sub>2.5</sub> RESULTS

HVO monitors PM<sub>2.5</sub> at two HVAS locations, Kilburnie South and Maison Dieu.

2.3.2.1 | HVAS PM<sub>2.5</sub> RESULTS

Figure 8 shows individual PM<sub>2.5</sub> results at each monitoring station against the HVO South short-term impact assessment criteria of 25µg/m<sup>3</sup> for the reporting period. Both monitors were below the relevant short-term impact assessment criteria during the reporting period, with the exception of 6 January when both monitors reported exceedances for the criteria. These exceedances were investigated internally by HVO and it was found that the maximum calculated HVO contribution was below the compliance limit.

An assessment of HVO’s contribution against the long-term impact assessment criteria will be provided in the 2025 Annual Review.

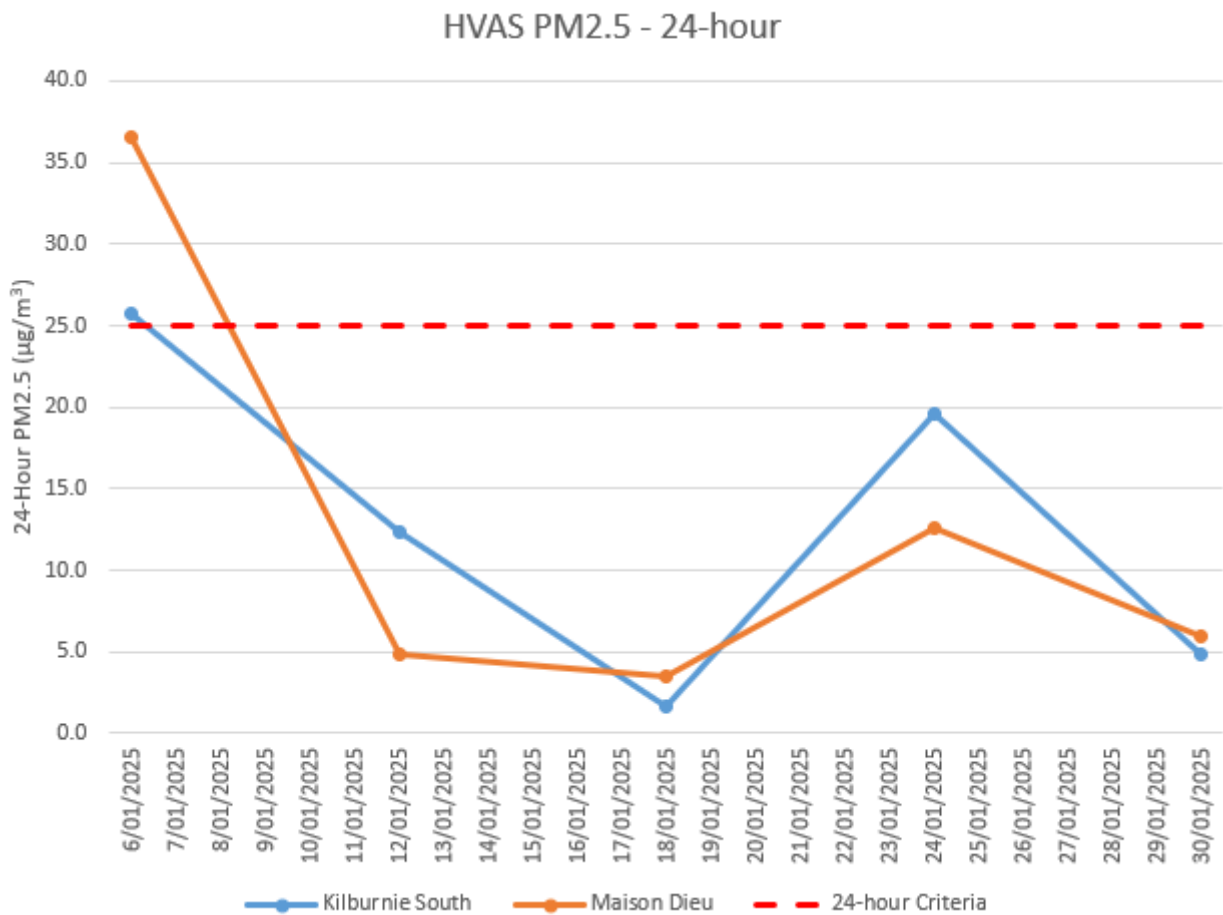
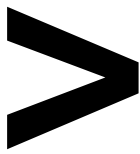


Figure 8 - Results for the Reporting Period



2.3.2.2 | PERFORMANCE AGAINST LONG TERM IMPACT ASSESSMENT CRITERIA

Figure 9 shows the year-to-date annual average PM2.5 results. During the reporting period, the annual average year to date results of both monitors were above the PM2.5 annual rolling mean criteria of 8µg/m³. An assessment of HVO’s contribution against the long-term impact assessment criteria will be provided in the 2025 Annual Review.

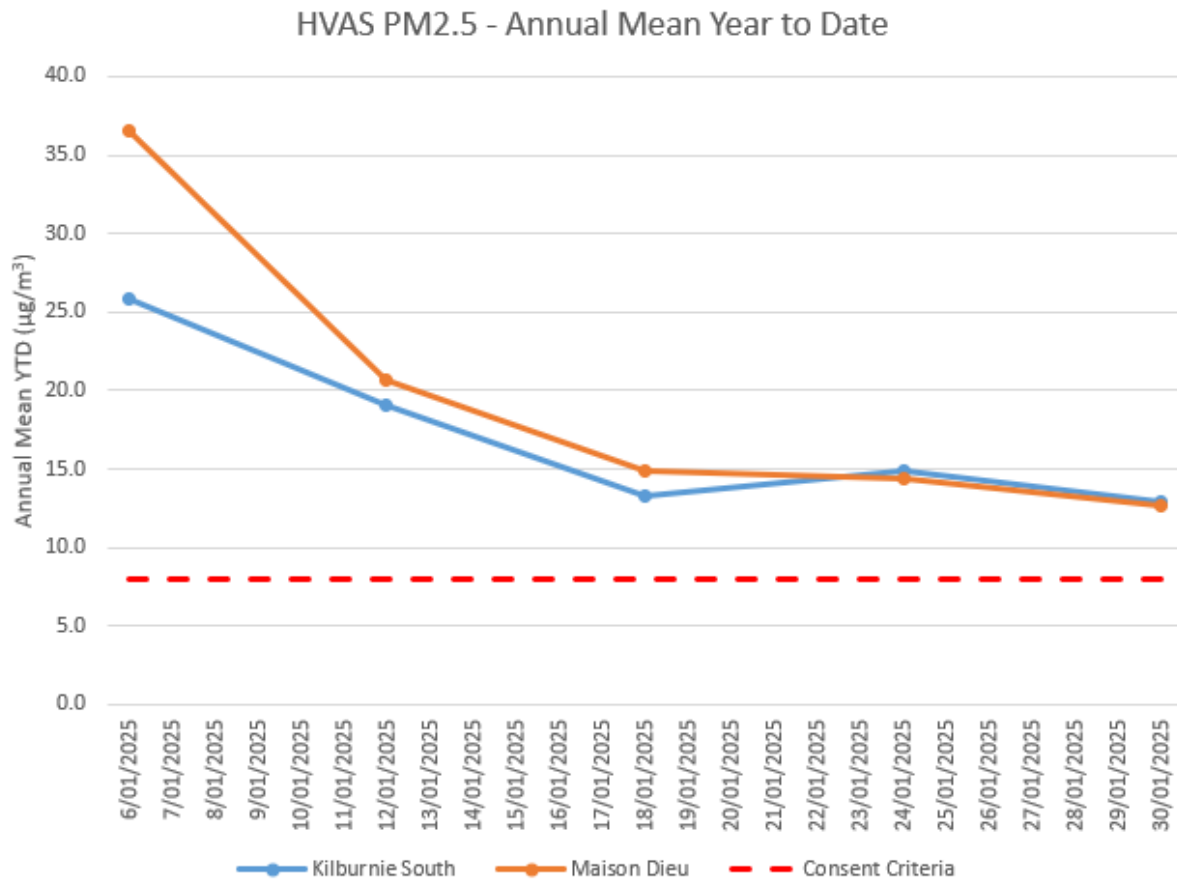


Figure 9 - Year to Date Average PM2.5 as at end of the Reporting Period



2.3.3 | TSP RESULTS

2.3.3.1 | PERFORMANCE AGAINST LONG TERM IMPACT ASSESSMENT CRITERIA

Figure 10 shows the annual average TSP results compared against the long-term impact assessment criteria of 90µg/m³.

All monitors, except for Warkworth and Wandewoi, were below the relevant long-term impact assessment criteria during the reporting period. Additionally, a data mis-capture occurred at Wandewoi on the 18 January.

An assessment of HVO’s contribution against the long-term impact assessment criteria will be provided in the 2025 Annual Review.

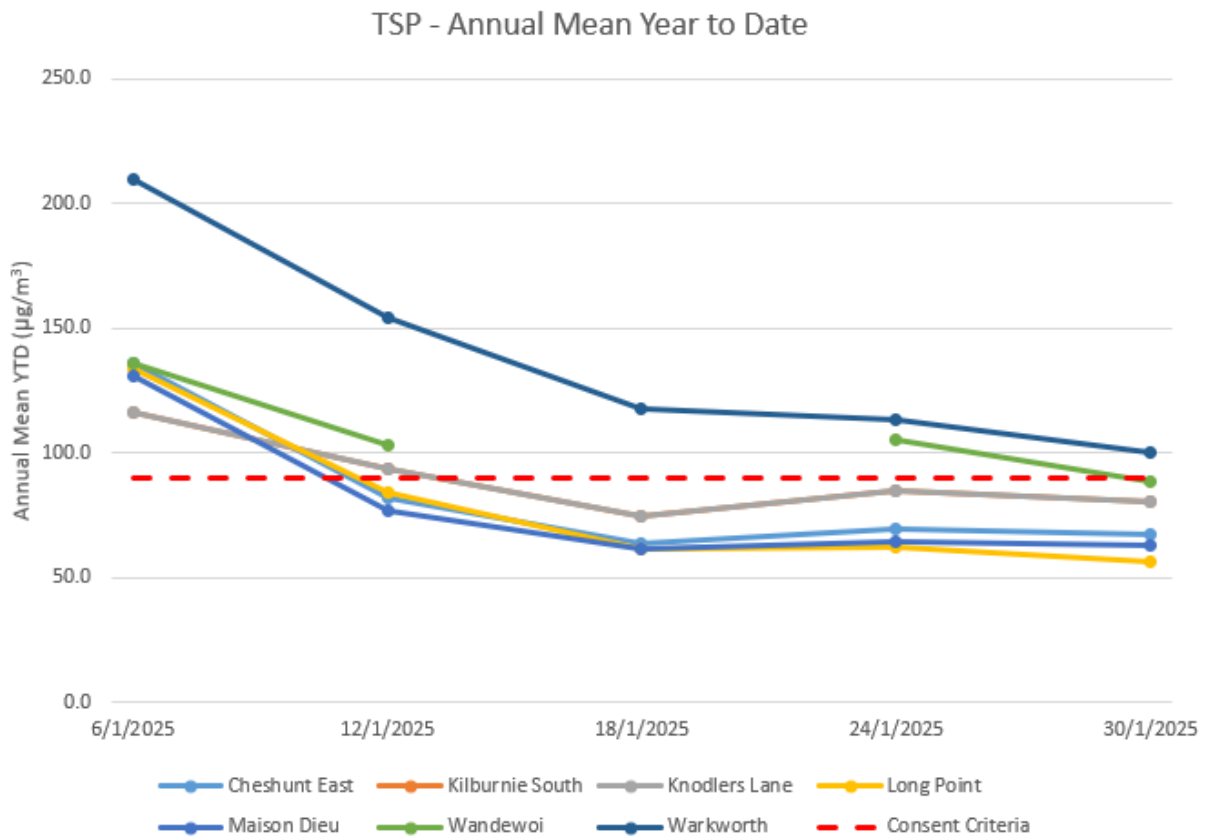


Figure 10 - Year to Date Average Total Suspended Particulates as at end of the Reporting Period



2.3.4 | REAL TIME PM<sub>10</sub> RESULTS

HVO maintains a network of real time PM<sub>10</sub> monitors. The real time air quality monitoring stations continuously record information and transmit data to a central database, generating alarms when particulate matter levels exceed internal HVO trigger levels. Results from real time PM<sub>10</sub> monitoring are used as a reactive measure to guide mining operations to help achieve compliance with the relevant conditions of the project approval.

Figure 11 shows the daily 24-hour average PM<sub>10</sub> results from the real time monitoring sites. During the reporting period, daily results were below the 24-hr average criteria of 50µg/m<sup>3</sup> with the exception of:

- Warkworth on 1, 5, and 22 January.

These exceedances were investigated internally by HVO and found that the maximum calculated HVO contribution was below the compliance limit.

The below listed monitors reported data capture rates of less than 75% on the respective dates, therefore these results are not displayed on **Figure 11**.

- Jerrys Plains on 17 and 18 January;
- Knodlers Lane on 15, 16, 28, and 31 January; and
- Warkworth on 21 January.

Figure 12 shows the annual rolling average PM<sub>10</sub> results from the real time monitoring sites. All monitoring results were below the annual average for the relevant long-term impact assessment criteria during the reporting period, with the exception of Warkworth.

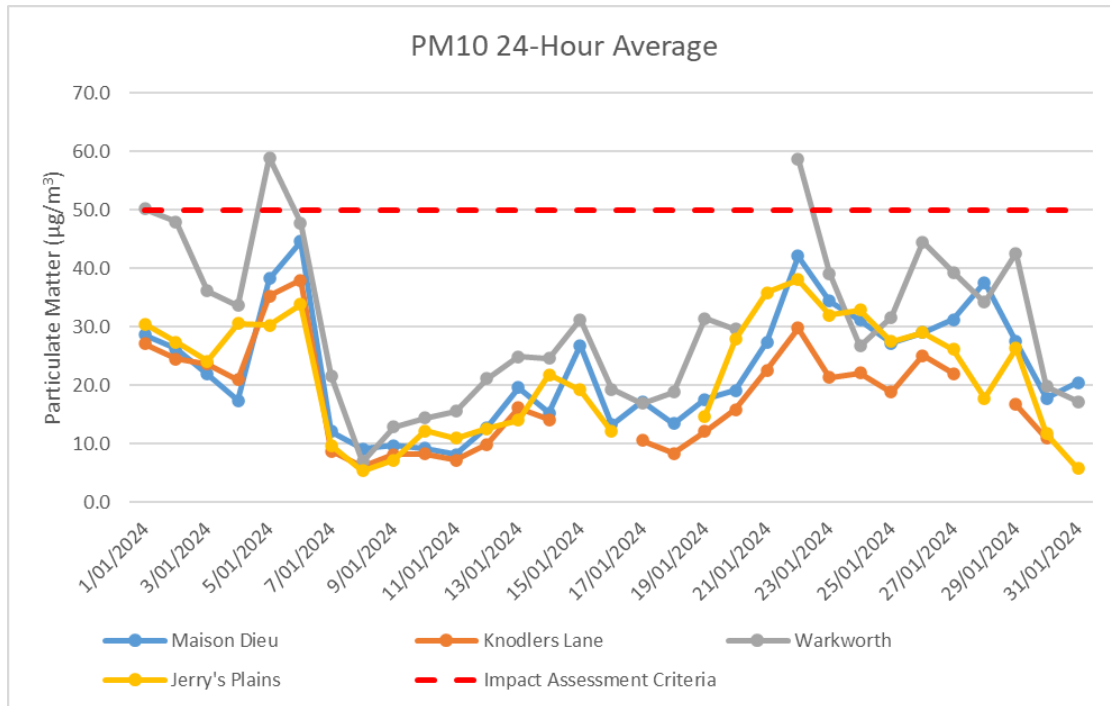
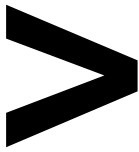


Figure 11 – Real Time PM<sub>10</sub> 24hr for the Reporting Period

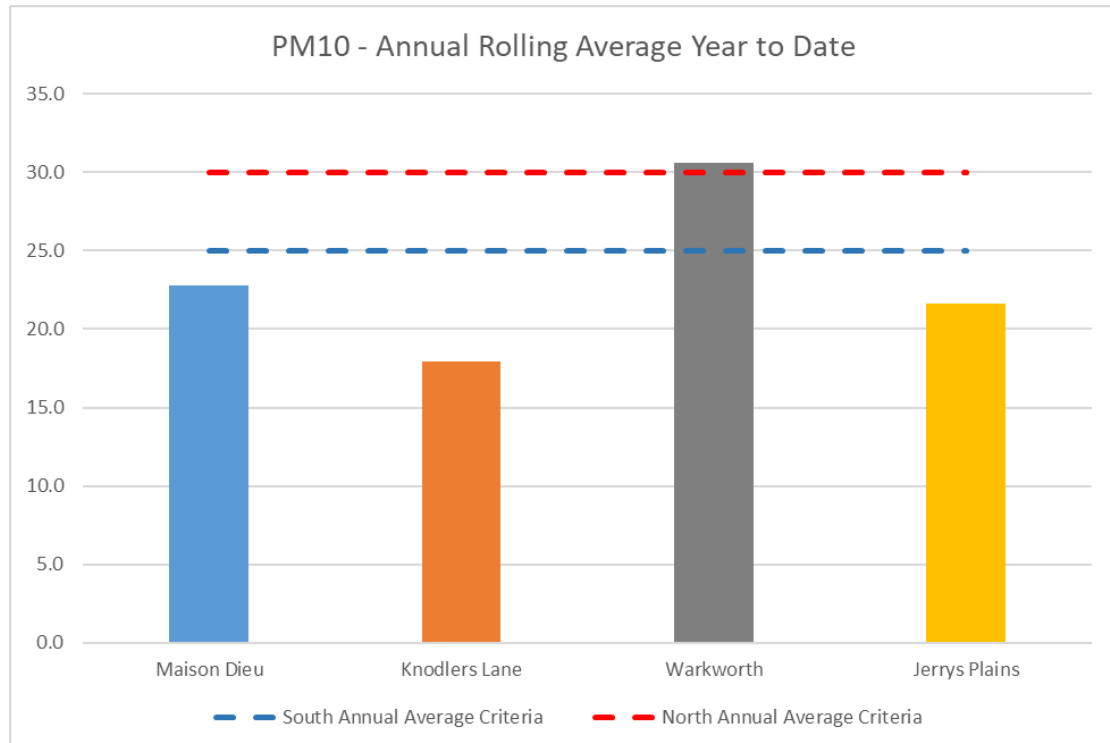


Figure 12 – Real Time PM<sub>10</sub> Annual Average for the Reporting Period



### 2.3.5 | REAL TIME ALARMS FOR AIR QUALITY

The real time monitoring system generated one hundred and forty-five (145) automated air quality related alarms during the reporting period. Forty-one (41) alarms related to adverse weather conditions (wind or rain) and one hundred and four (104) alarms related to dust conditions.



### 3 | WATER QUALITY

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

#### 3.1 | SURFACE WATER

Surface watercourses are sampled on a quarterly sampling regime. Water quality is assessed through the parameters of pH, electrical conductivity (EC) and Total Suspended Solids (TSS). The location of surface water monitoring points across HVO is shown in Figure 13.

Results from monitoring on site dams, the Hunter River and other natural tributaries are provided on a quarterly basis. Results will be provided in the March 2025 Monthly Environmental Monitoring Report.



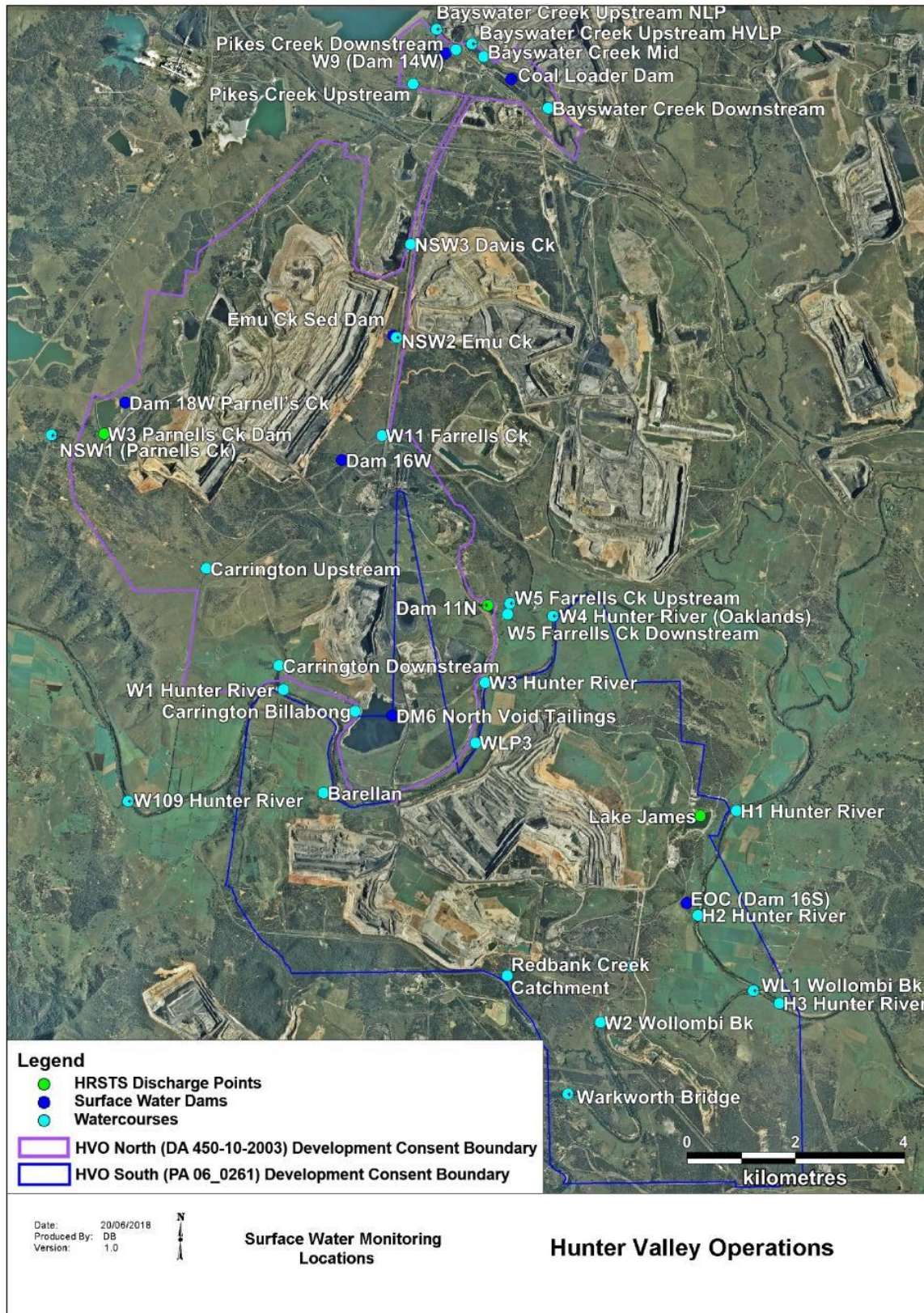
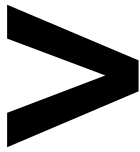


Figure 13 – HVO Surface Water Monitoring Locations



### 3.1.1 | SURFACE WATER TRIGGER TRACKING

Internal trigger limits have been developed to assess monitoring data on an on-going basis and to highlight potentially adverse surface water impacts. The process for evaluating monitoring results against the internal triggers and subsequent responses are outlined in the HVO Water Management Plan.

Surface water trigger tracking results are provided on a quarterly basis. Results will be reported in the March 2025 Monthly Environmental Monitoring Report.

### 3.2 | SITE WATER USE

HVO is permitted to extract water from the Hunter River under water allocation licenses issued by Water NSW.

- HVO extracted approximately 0.3ML from the Hunter River during the reporting period.

### 3.3 | HRSTS DISCHARGE

HVO participates in the Hunter River Salinity Trading Scheme (HRSTS), allowing discharge from licensed discharge points Dam 11N (to Farrell's Creek), Lake James (to the Hunter River) and Parnell's Dam (to Parnell's Creek). Discharges can only take place subject to HRSTS regulations.

- HVO did not undertake any HRSTS discharges during the reporting period.

### 3.4 | GROUNDWATER MONITORING RESULTS

Groundwater monitoring is undertaken on a quarterly basis in accordance with the HVO Water Management Plan and Groundwater Monitoring Programme. The location of groundwater monitoring points across HVO are show in Figure 14.

Groundwater monitoring results are provided on a quarterly basis. Results will be provided in the March 2025 Monthly Environmental Monitoring Report.

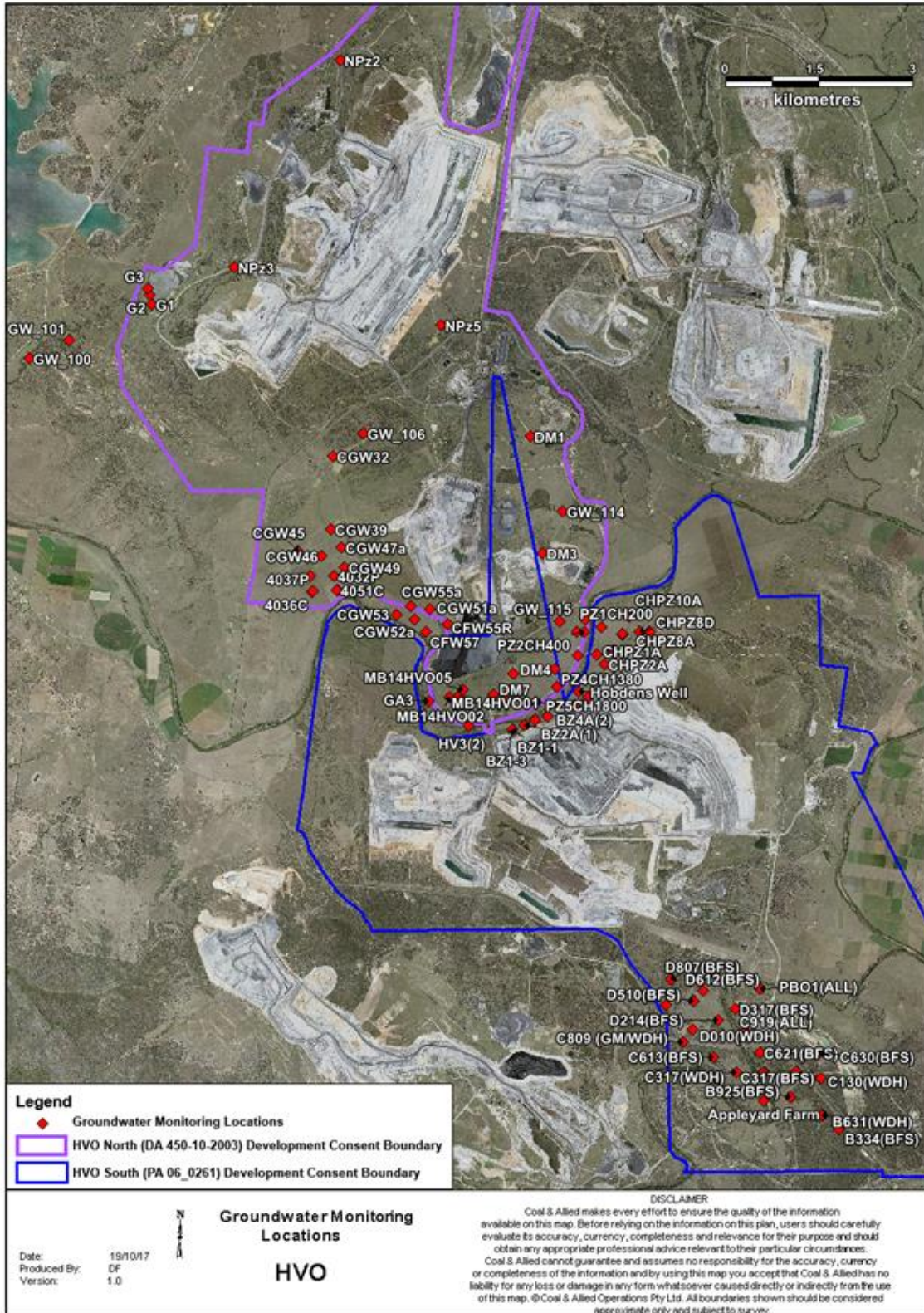


Figure 14 - Groundwater Monitoring Locations at HVO



### 3.4.1 | GROUNDWATER TRIGGER TRACKING

Internal trigger limits have been developed to assess monitoring data on an on-going basis and to highlight potentially adverse groundwater impacts. The process for evaluating monitoring results against the internal triggers and subsequent responses is outlined in the HVO Water Management Plan.

Groundwater trigger tracking results are provided on a quarterly basis. Results will be provided in the March 2025 Monthly Environmental Monitoring Report.



## 4 | BLASTING

HVO maintains a network of blast monitoring units located at nearby privately owned residences and function as regulatory compliance monitors. The location of these monitors can be found in Figure 15. Blasting criteria for HVO are summarised in Table 2.

*Table 2 – Blasting Criteria*

<b>Airblast Overpressure (dBL)</b>	<b>Comments</b>
115	5% of the total number of blasts in a 12-month period
120	0% of blasts
<b>Ground Vibration (mm/s)</b>	<b>Comments</b>
5	5% of the total number of blasts in a 12-month period
10	0% of blasts

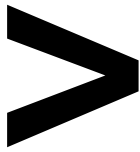


**4.1 | BLAST MONITORING RESULTS**

Twenty-one (21) blasts were initiated at HVO during the reporting period. Blast monitoring results for the period are shown in Table 3 and Table 4.

*Table 3 – Overpressure Blast Monitoring Results for the reporting period*

<b>Date and Time</b>	<b>Moses Crossing (dBL)</b>	<b>Jerrys Plains Village (dBL)</b>	<b>Maison Dieu (dBL)</b>	<b>Warkworth (dBL)</b>	<b>Knodlers Lane (dBL)</b>
2/01/2025 13:28	107.60	106.38	99.22	104.27	102.03
2/01/2025 13:31	101.38	98.06	100.79	104.33	101.35
3/01/2025 13:03	86.48	98.66	96.88	93.08	89.69
6/01/2025 13:03	99.85	106.32	103.39	100.38	98.62
6/01/2025 13:05	100.32	90.21	99.75	103.19	98.62
6/01/2025 13:24	91.66	87.14	97.80	100.65	100.33
8/01/2025 11:03	98.96	92.96	107.67	106.90	99.40
8/01/2025 13:08	94.80	76.71	98.35	86.68	110.71
9/01/2025 12:46	98.40	93.27	109.08	103.09	95.23
11/01/2025 13:04	95.63	86.84	98.43	93.93	97.70
13/01/2025 13:01	81.92	96.06	99.73	82.14	87.36
14/01/2025 13:04	96.88	94.93	95.35	84.06	91.96
16/01/2025 12:21	97.92	95.15	97.99	101.70	99.96
17/01/2025 13:18	108.50	101.01	98.96	94.13	106.81
20/01/2025 13:23	87.36	103.86	90.30	93.31	93.07
21/01/2025 14:04	89.06	85.76	93.61	93.91	93.42
23/01/2025 13:19	96.97	109.41	104.50	96.31	90.64
24/01/2025 15:18	105.18	105.19	112.67	111.15	107.05
24/01/2025 15:19	109.93	106.64	108.54	99.91	99.33
25/01/2025 13:04	96.39	93.46	92.42	83.76	84.63
29/01/2025 13:04	96.87	100.47	111.04	107.98	106.04



*Table 4 – Ground Vibration Blast Monitoring Results for the reporting period*

<b>Date and Time</b>	<b>Moses Crossing (mm/s)</b>	<b>Jerrys Plains Village (mm/s)</b>	<b>Maison Dieu (mm/s)</b>	<b>Warkworth (mm/s)</b>	<b>Knodlers Lane (mm/s)</b>
2/01/2025 13:28	0.07	0.13	0.06	0.44	0.03
2/01/2025 13:31	0.05	0.07	0.06	0.57	0.03
3/01/2025 13:03	0.20	0.32	0.08	0.10	0.05
6/01/2025 13:03	0.06	0.05	0.08	0.28	0.04
6/01/2025 13:05	0.27	0.17	0.36	0.57	0.29
6/01/2025 13:24	0.17	0.08	0.24	0.58	0.24
8/01/2025 11:03	0.13	0.08	0.10	0.34	0.06
8/01/2025 13:08	0.07	0.07	0.05	0.10	0.03
9/01/2025 12:46	0.10	0.26	0.09	0.55	0.03
11/01/2025 13:04	0.19	0.11	0.11	0.07	0.05
13/01/2025 13:01	0.09	0.10	0.11	0.08	0.05
14/01/2025 13:04	0.13	0.33	0.08	0.09	0.06
16/01/2025 12:21	0.07	0.08	0.06	0.35	0.05
17/01/2025 13:18	0.06	0.08	0.07	0.05	0.03
20/01/2025 13:23	0.03	0.04	0.09	0.08	0.04
21/01/2025 14:04	0.11	0.06	0.17	0.51	0.12
23/01/2025 13:19	0.09	0.12	0.07	0.56	0.04
24/01/2025 15:18	0.07	0.07	0.06	0.55	0.04
24/01/2025 15:19	0.10	0.07	0.10	0.20	0.05
25/01/2025 13:04	0.04	0.04	0.06	0.06	0.03
29/01/2025 13:04	0.09	0.34	0.11	0.06	0.03

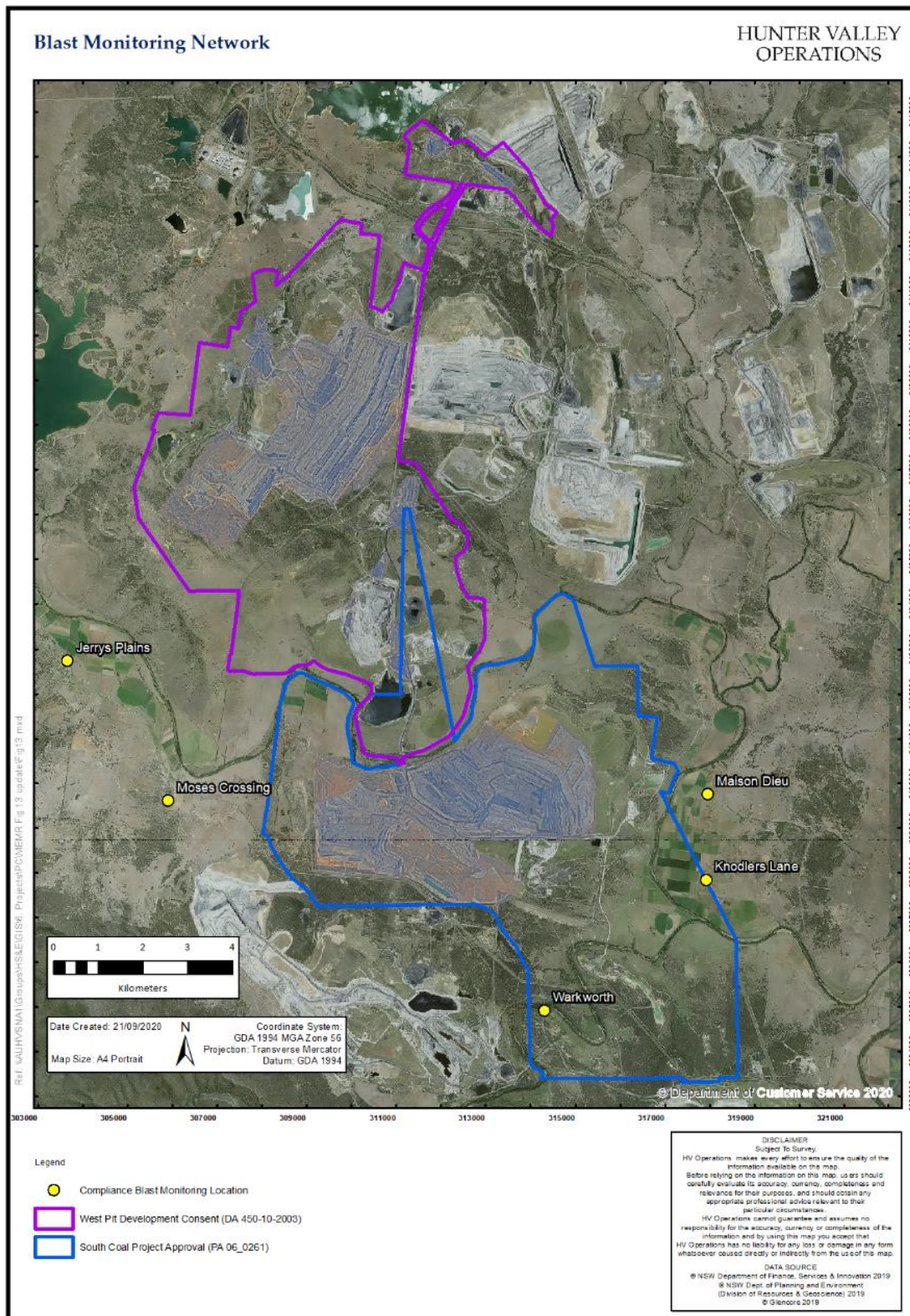
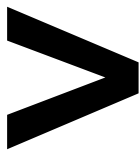


Figure 15 - Blast Monitoring Location Plan

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Owner: Superintendent - Environment and Community

Status: Approved  
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Effective: 14/03/2025  
Review: [Planned Review Date]





## 5 | NOISE

Routine attended noise monitoring occurs at defined locations around HVO, as described in the HVO Noise Monitoring Programme. The noise monitoring aims to quantify and describe the acoustic environment around the site and compare results with specified limits. The attended noise monitoring locations are displayed in Figure 16.

### 5.1 | ATTENDED NOISE MONITORING RESULTS

Attended monitoring was conducted at receiver locations around HVO during the night period of 29 January 2025.

Compliance with the HVO noise impact limits ensures compliance with the land acquisition criteria. Therefore, since no noise impact exceedances occurred for the reporting period the land acquisition assessment has not been presented. These will only be reported in instances of noise impact exceedances.

- Monitoring results are detailed in Table 5 and Table 6.



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*Table 5 - LAeq,15minute and 1minute HVO North Against Impact Assessment Criteria for the Reporting Period*

Location	Start date and time	Wind		Stability class	Very enhancing? <sup>1</sup>	HVO North limits, dB <sup>1</sup>		HVO North levels, dB		Exceedances, dB	
		Speed m/s	Direction <sup>3</sup>			LAeq,15minute	LA1,1min	LAeq,15minute <sup>2</sup>	LA1,1min	LAeq,15minute	LA1,1min
Shearers Lane	29/01/2025 21:00	3.0	116	D	Yes	35	46	IA	IA	Nil	Nil
Knodlers Lane	29/01/2025 21:50	3.2	110	D	No	35	46	IA	IA	N/A	N/A
Maison Dieu	29/01/2025 21:23	3.2	114	D	No	35	46	IA	IA	N/A	N/A
Long Point (Dights Crossing)	29/01/2025 22:43	1.8	101	E	Yes	35	46	IA	IA	Nil	Nil
Kilburnie South	29/01/2025 23:16	1.5	92	E	Yes	39	46	IA	IA	Nil	Nil
Jerrys Plains East	29/01/2025 22:54	1.3	98	F	Yes	39	46	IA	IA	Nil	Nil
Jerrys Plains Village	29/01/2025 21:21	2.7	115	D	Yes	40	46	NM	NM	Nil	Nil
Jerrys Plains West	29/01/2025 21:00	3.0	116	D	Yes	40	46	NM	NM	Nil	Nil

1. Noise limits are adjusted by +5 dB during 'very noise-enhancing meteorological conditions' in accordance with the NPfl.
2. Site-only LAeq,15minute, includes modifying factor penalties if applicable.
3. Degrees magnetic north, "-" indicates calm conditions.

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*Table 6 - LAeq,15minute and 1minute HVO South Against Impact Assessment Criteria for the Reporting Period*

Location	Start date and time	Wind		Stability class	Very enhancing? <sup>1</sup>	HVO South limits, dB <sup>1</sup>		HVO South levels, dB		Exceedances, dB	
		Speed m/s	Direction <sup>3</sup>			LAeq,15minute	LA1,1min	LAeq,15minute <sup>2</sup>	LA1,1min	LAeq,15minute	LA1,1min
Shearers Lane	29/01/2025 21:00	2.5	138	D	Yes	41	45	IA	IA	Nil	Nil
Knodlers Lane	29/01/2025 21:50	2.7	116	D	Yes	40	45	IA	IA	Nil	Nil
Maison Dieu	29/01/2025 21:23	2.8	123	D	Yes	39	45	IA	IA	Nil	Nil
Long Point (Dights Crossing)	29/01/2025 22:43	2.4	110	D	Yes	37	45	IA	IA	Nil	Nil
Kilburnie South	29/01/2025 23:16	2.0	102	E	Yes	39	45	<20	<25	Nil	Nil
Jerrys Plains East	29/01/2025 22:54	2.2	115	D	Yes	38	45	<20	<20	Nil	Nil
Jerrys Plains Village	29/01/2025 21:21	3.0	122	D	Yes	35	45	IA	IA	Nil	Nil
Jerrys Plains West	29/01/2025 21:00	2.5	138	D	Yes	35	45	IA	IA	Nil	Nil
HVGC	29/01/2025 23:47	3.2	132	D	No	55	-	<20	-	N/A	-

1. Noise limits are adjusted by +5 dB during 'very noise-enhancing meteorological conditions' in accordance with the NPfl.
2. Site-only LAeq,15minute, includes modifying factor penalties if applicable.
3. Degrees magnetic north, "-" indicates calm conditions.
4. NM = Not Measurable

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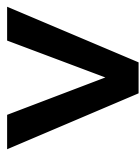
**5.2 | LOW FREQUENCY ASSESSMENT**

In accordance with the requirements of the EPA’s Noise Policy for Industry (NPfI), the applicability of the low frequency modification penalty has been assessed. No penalties were applied for monitoring undertaken through the reporting period. The assessments for the low frequency noise are shown in Table 7 and Table 8.

*Table 7 - Modifying Factor Assessment HVO North for the Reporting Period*

Location	Start date and time	Measured HVO South L <sub>Aeq</sub> dB	Very enhancing? <sup>1</sup>	Intermittency modifying factor?	Tonality modifying factor?	Frequency of tonality	Low-frequency modifying factor? <sup>1,2</sup>	Exceedance of reference spectrum <sup>2,3</sup>	Total penalty dB <sup>2,3</sup>
Shearers Lane	29/01/2025 21:00	IA	Yes	No	No	N/A	No	N/A	Nil
Knodlers Lane	29/01/2025 21:50	IA	No	N/A	N/A	N/A	N/A	N/A	N/A
Maison Dieu	29/01/2025 21:23	IA	No	N/A	N/A	N/A	N/A	N/A	N/A
Long Point (Dights Crossing)	29/01/2025 22:43	IA	Yes	No	No	N/A	No	N/A	Nil
Kilburnie South	29/01/2025 23:16	IA	Yes	No	No	N/A	No	N/A	Nil
Jerrys Plains East	29/01/2025 22:54	IA	Yes	No	No	N/A	No	N/A	Nil
Jerrys Plains Village	29/01/2025 21:21	NM	Yes	No	No	N/A	No	N/A	Nil
Jerrys Plains West	29/01/2025 21:00	NM	Yes	No	No	N/A	No	N/A	Nil

1. Low-frequency modifying factors are not applicable during 'very noise-enhancing meteorological conditions' in accordance with the NPfI.  
 2. NA denotes 'not applicable'.  
 3. Bold results indicate that application of NPfI modifying factor(s) is required.



*Table 8 - Modifying Factor Assessment HVO South for the Reporting Period*

Location	Start date and time	Measured HVO South LAeq dB	Very enhancing? <sup>1</sup>	Intermittency modifying factor?	Tonality modifying factor?	Frequency of tonality	Low-frequency modifying factor? <sup>1,2</sup>	Exceedance of reference spectrum <sup>2,3</sup>	Total penalty dB <sup>2,3</sup>
Shearers Lane	29/01/2025 21:00	IA	Yes	No	No	N/A	No	N/A	Nil
Knodlers Lane	29/01/2025 21:50	IA	Yes	No	No	N/A	No	N/A	Nil
Maison Dieu	29/01/2025 21:23	IA	Yes	No	No	N/A	No	N/A	Nil
Long Point (Dights Crossing)	29/01/2025 22:43	IA	Yes	No	No	N/A	No	N/A	Nil
Kilburnie South	29/01/2025 23:16	<20	Yes	No	No	N/A	No	N/A	Nil
Jerrys Plains East	29/01/2025 22:54	<20	Yes	No	No	N/A	No	N/A	Nil
Jerrys Plains Village	29/01/2025 21:21	IA	Yes	No	No	N/A	No	N/A	Nil
Jerrys Plains West	29/01/2025 21:00	IA	Yes	No	No	N/A	No	N/A	Nil
HVGC	29/01/2025 23:47	<20	No	N/A	N/A	N/A	N/A	N/A	N/A

1. NA denotes 'not applicable'  
 2. NM denotes 'not measurable'  
 3. Bold results indicate that application of NPfI modifying factor/s is required

### 5.3 | REAL TIME NOISE MONITORING

HVO utilises a network of real-time directional noise monitors to manage noise impacts on a continuous basis, shown in Figure 16. Noise alarms are in place at five monitoring locations (Knodlers Lane, Maison Dieu, Jerrys Plains, Moses Crossing, and Long Point) which alert HVO staff to elevated noise levels that require investigation.

HVO investigates and responds to noise alarms with appropriate modification to operations. Changes in response to a noise alarm can include replacing equipment with alternative units, changing or relocating tasks, or shutting down equipment. It should be noted that this assessment does not compliment or conflict with attended noise monitoring detailed in **Section 5.1** |. Real time monitoring data includes non-mine noise sources such as animals, road traffic and weather.

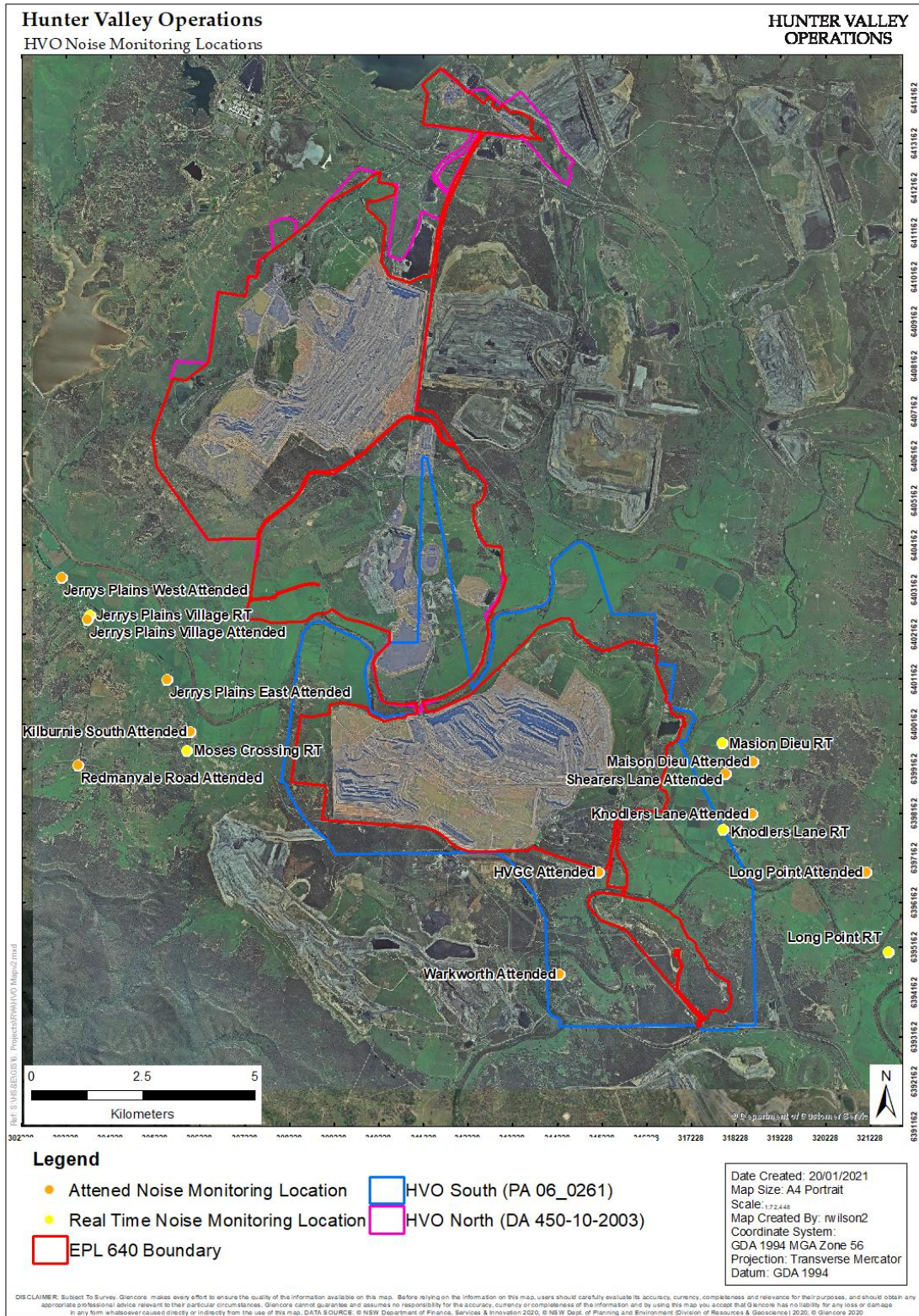
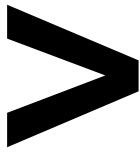


Figure 16 - Noise Monitoring Location Plan

## 6 | OPERATIONAL DOWNTIME

Real time monitoring and inspections for environmental factors recorded the following hours of equipment downtime during the reporting period:

- Three hundred and eighty-four (384) hours for dust, and
- Zero (0) hours for noise.

Operational downtime by equipment type is show in Figure 17. Note that these delays are instances where operations were completely stopped and does not include occasions where operations were changed/modified but not stopped (e.g. changed from exposed dump to in-pit dump).

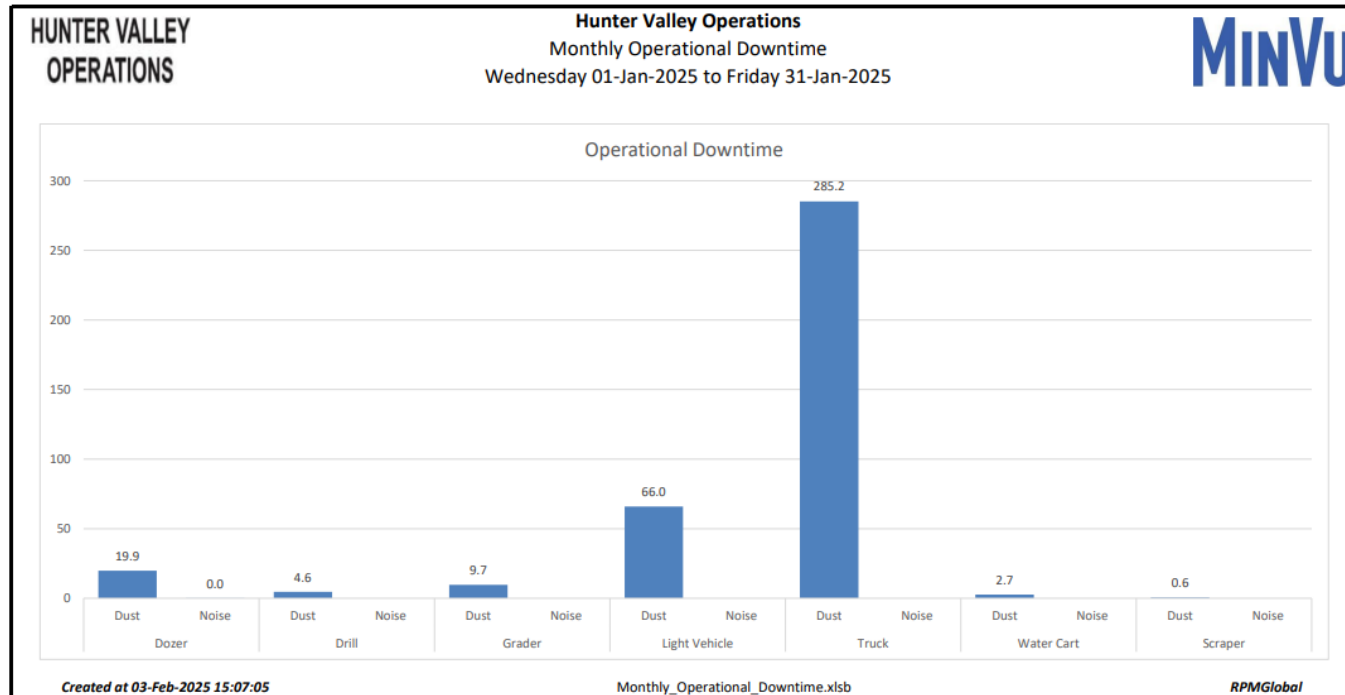


Figure 17 - Operational Downtime by Equipment Type for the Reporting Period



### 7 | REHABILITATION

The following activities related to rehabilitation were completed during the reporting period:

- 0ha of land was reshaped;
- 14.2ha of land was released (became available for the application of topsoil);
- 0ha of land was topsoiled; and
- 0ha of land was rehabilitated.

Year to date progress is shown in Figure 18.

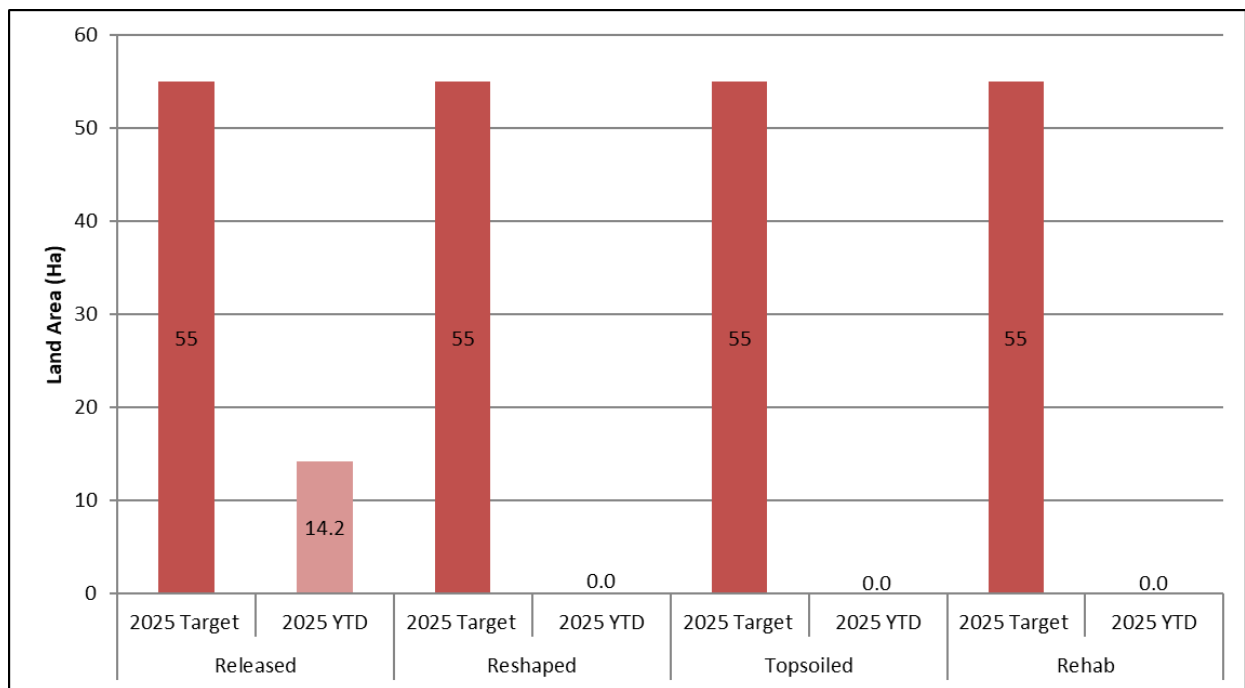
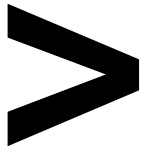


Figure 18 - Rehabilitation YTD November 2025





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## 8 | COMPLAINTS

There were no complaints received during the reporting period. Details of these and other complaints received during 2025 are shown in Table 9.

*Table 9 - Complaints Summary 2025*

Complaint Number	Date	Time	Complainant ID	Nature of Complaint	Mode of Complaint	Brief Description and Response
No community complaints were received during January						



## 9 | ENVIRONMENTAL INCIDENTS

Two (2) reportable environmental incidents occurred during the reporting period. A summary of these incidents is provided below:

### 6/01/2025 – HVAS PM<sub>10</sub> dust exceedance – Cheshunt East

Monitoring results indicate that on 6 January 2025, the Cheshunt East HVAS recorded a total result of 56.1µg/m<sup>3</sup> for the 24-hour averaging period for PM<sub>10</sub>, exceeding the relevant criteria of 50ug/m<sup>3</sup>. An air specialist consultant was engaged to investigate the result and determined HVO’s maximum possible contribution to be 22.8ug/m<sup>3</sup>. HVO implemented operational controls on 6 January to comply with the HVO Air Quality and Greenhouse Gas Management Plan. The Department of Housing and Infrastructure (DPHI) were advised of the exceedance on 18 November with an incident report submitted on 29 January. HVO notified affected residents as per requirements in HVO North Development Consent.

### 18/01/2025 – Wandewoi TSP HVAS Mis-Capture

The Wandewoi TSP HVAS unit failed to run the full monitoring period on 18 January 2025 due to a suspected power supply failure. The monitoring contractor collecting the filter paper didn’t note anything out of the ordinary upon arrival. The post check was conducted without any issues. The monitor software indicated that the run time for 18 January 2025 was 798 minutes (13.30 hours). HVO engaged an electrician to investigate the power supply issue at the site, of which no issues or causes of the power supply failure were identified. HVO notes that the Wandewoi TEOM located next to the TSP monitor, experienced power related issues on 18 January which were as a result of ongoing Ausgrid mains power issues caused by severe storm activity in the previous days. This data mis-capture will be noted in the 2025 HVO Annual Review.



**APPENDIX A: METEOROLOGICAL DATA (HVO CORPORATE)**

Date	Air Temp Max (°C)	Air Temp Min (°C)	Relative Humidity (Max %)	Relative Humidity (Min %)	Solar Radiation Maximum (W/Sq. M)	Average Wind Direction (°)	Average Wind Speed (m/sec)	Rainfall (mm)
1/01/2025	31.74	18.81	79.90	26.41	1390	114.4	4.60	0.0
2/01/2025	34.62	16.96	90.20	16.69	1080	143.4	1.78	0.0
3/01/2025	24.31	18.73	70.96	52.78	1150	121.4	4.74	0.0
4/01/2025	27.45	17.74	77.91	43.94	1554	111.2	3.44	0.0
5/01/2025	33.15	15.29	84.60	25.51	1049	121.2	2.23	0.0
6/01/2025	37.09	17.54	78.35	16.45	1224	165.2	1.84	0.0
7/01/2025	38.23	21.05	55.21	14.59	1055	213.5	2.23	2.8
8/01/2025	25.65	16.73	92.50	52.67	696	127.3	2.88	9.2
9/01/2025	21.13	15.10	92.70	59.30	1259	143.2	3.36	2.8
10/01/2025	25.07	15.33	94.80	54.21	1537	164.3	2.63	0.0
11/01/2025	29.05	17.59	94.90	42.78	1358	111.6	3.81	3.2
12/01/2025	29.60	18.22	87.80	41.76	1414	114.8	2.85	3.2
13/01/2025	31.13	16.83	92.50	31.59	1311	129.8	2.08	0.0
14/01/2025	33.41	17.84	94.30	32.49	1137	181.8	1.97	0.0
15/01/2025	33.52	19.64	89.10	31.99	1369	139.3	1.52	7.6
16/01/2025	39.33	18.51	93.30	20.27	1146	194.4	2.39	7.0
17/01/2025	22.77	16.78	95.00	68.98	581	148.5	2.33	1.4
18/01/2025	18.59	15.42	85.00	56.11	328	141.1	4.13	9.6
19/01/2025	24.74	15.24	92.60	61.16	1356	130.2	6.13	0.0
20/01/2025	22.62	14.80	85.60	43.65	1704	124.5	4.01	0.0
21/01/2025	26.58	12.82	88.40	31.83	1255	136.0	1.88	0.0
22/01/2025	32.97	13.67	85.10	25.66	1139	136.0	1.63	0.0
23/01/2025	38.26	17.75	86.00	15.64	1502	216.0	3.48	0.0
24/01/2025	25.73	18.40	77.88	50.73	1330	105.9	3.96	0.0
25/01/2025	30.36	17.57	84.90	34.32	1301	157.1	3.61	0.0
26/01/2025	29.82	15.24	85.40	35.65	1137	115.9	2.94	0.0
27/01/2025	31.89	16.66	88.70	35.62	1048	117.9	3.29	4.8
28/01/2025	37.77	19.07	93.70	27.78	1236	179.0	2.33	4.8
29/01/2025	39.94	20.47	92.70	20.58	1412	232.4	4.21	3.2
30/01/2025	24.33	17.98	93.70	60.31	1527	117.9	3.51	0.2
31/01/2025	26.26	17.80	95.30	64.04	1489	120.0	2.75	0.2