

Chain Valley and Mannering Collieries

Combined Community Consultative Committee
Meeting Presentation
15th February 2023



WELCOME AND APOLOGIES



Welcome

Apologies

Declaration of interests

Confirmation of previous minutes

- 1. Actions / Business Arising From Previous Minutes**
- 2. Correspondence**
- 3. Operations**
- 4. Approvals**
- 5. Update on Delta Coal Consent Consolidation Approval**
- 6. Queries from November CCC Meeting**
- 7. Environmental Incidents / Non-compliances**
- 8. Environmental Performance**
- 9. Community Complaints & Enquiries**
- 10. Environmental Projects**

ACTIONS / BUSINESS ARISING FROM PREVIOUS MINUTES



| Action / Business Arising | Action Owner | Update |
|--|--------------|--|
| Benthic Monitoring in Wyee Bay | LM | Slide 11 |
| Update on Noise Reduction at CVC Ventilation Fan Site | LM | Slide 10 |
| Subsidence Prediction Reports (Geotechnical assessments as part of extraction plans) | LM | Provided location on website to Neil Wynn. |
| Water Source in Proximity of Tall Timbers Road and Scraysbrook Avenue | LM | Slides 12-16 |

Correspondence since previous meeting

- Nil

OPERATIONS

Production

- All production in Fassifern seam under Lake Macquarie and Morisset Peninsula.
- First-workings only (no secondary extraction) at this stage.
- Driving mains for MA1 is ongoing to facilitate future mining works in the western portion of Lake Macquarie.



OPERATIONS



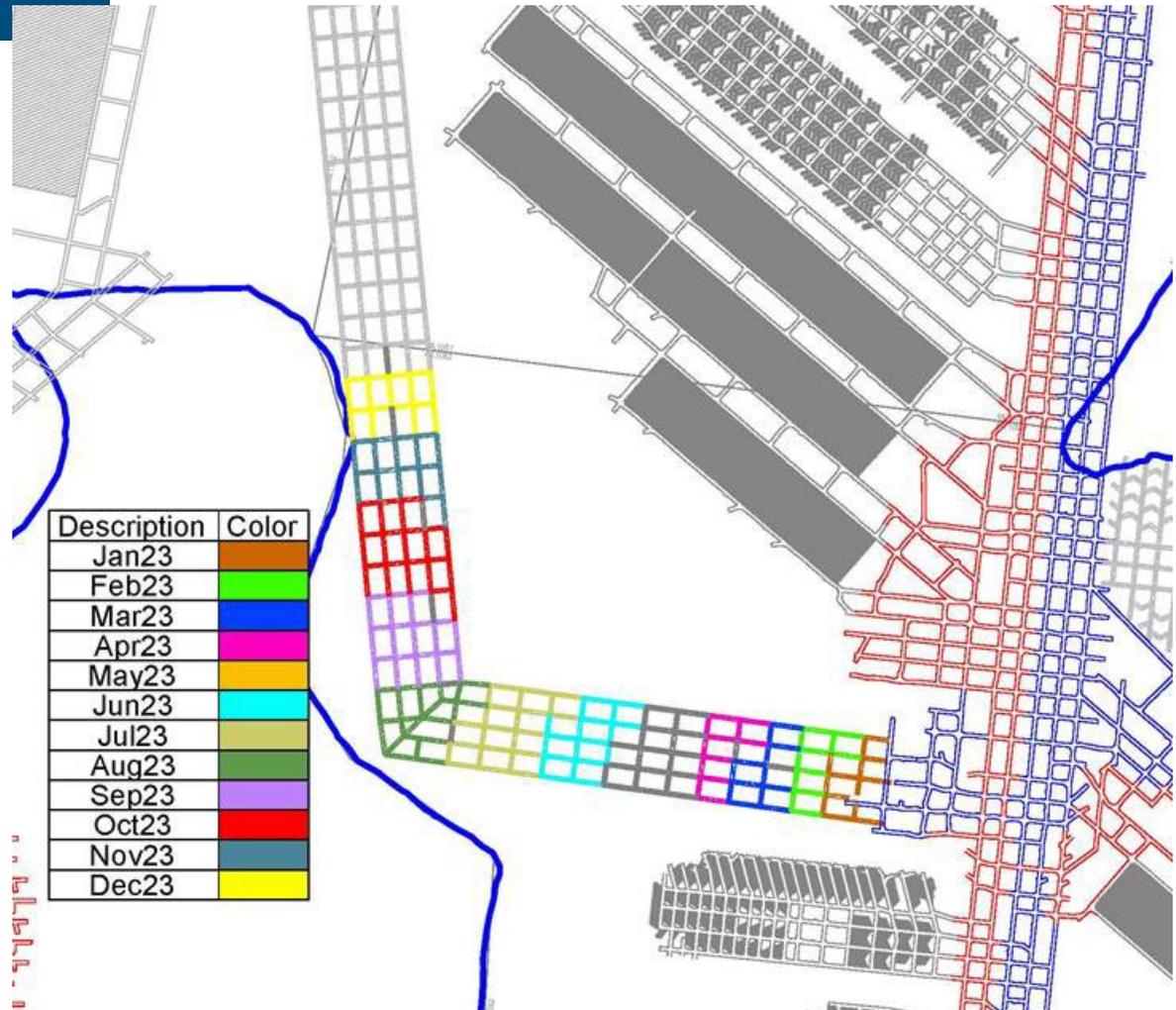
Northern Mining Area operations plan for 2023.



OPERATIONS



MA1 operations plan for 2023.



Current Approvals

Chain Valley Colliery

- EPL1770: Environmental Protection License - August 2022
- CVC and MC MOP 2020-2023 Amendment 2 – August 2021
- CVC SSD-5465 (MOD 4): Development Consent – August 2021
- Extraction Plan: MWS5 and NPA – March 2021

Mannering Colliery

- EPL 191 – Mannering Colliery – April 2021
- Mannering Colliery Project Approval PA 06_0311 (MOD 5) – June 2020

CONSENT CONSOLIDATION PROJECT



State Significant Development

Response to Submissions

Chain Valley Colliery Consolidation Project

Central Coast, Lake Macquarie City

Current Status: Response to Submissions

Interact with the stages for their names ⓘ

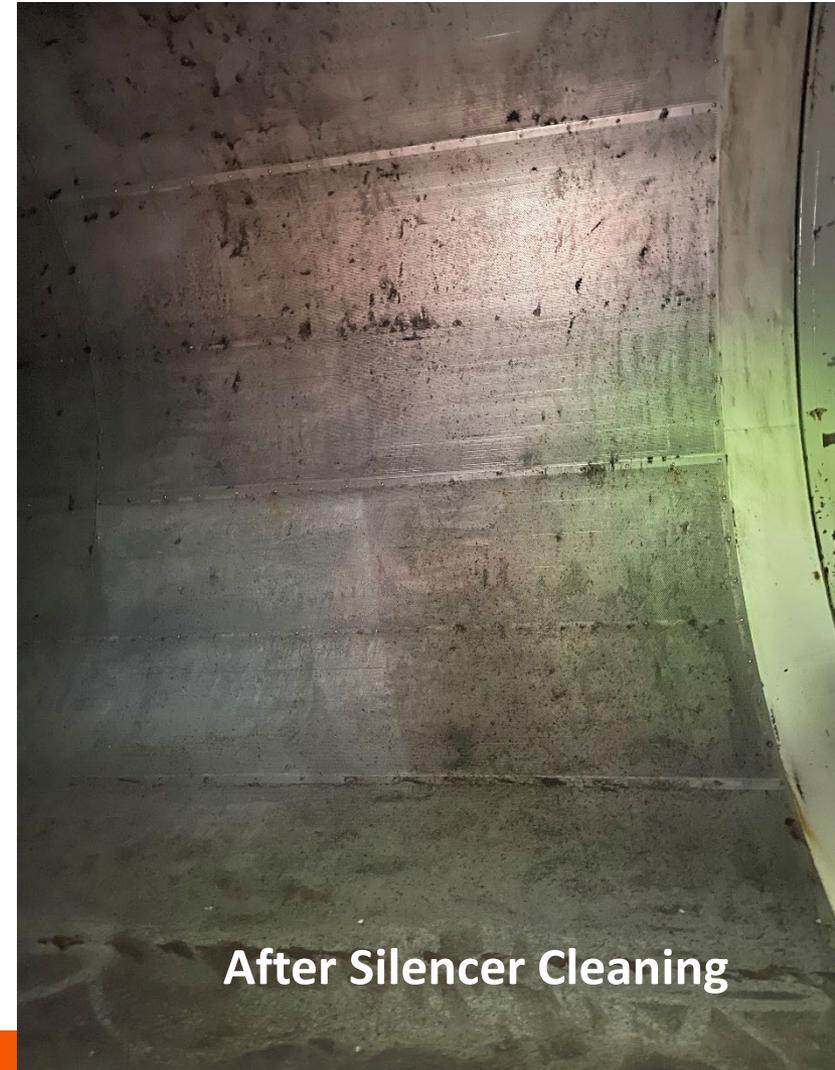


The EIS went onto public exhibition between 18 November to 16 December 2022.

The project received numerous objections from people all over Australia. Due to greater than 50 unique objections being received for the project, the determining authority for the project will be the Independent Planning Commission. Agency review of the project did not identify any significant issues.

Delta Coal is currently preparing a response to submissions report, required to be submitted by the 22nd March 2023.

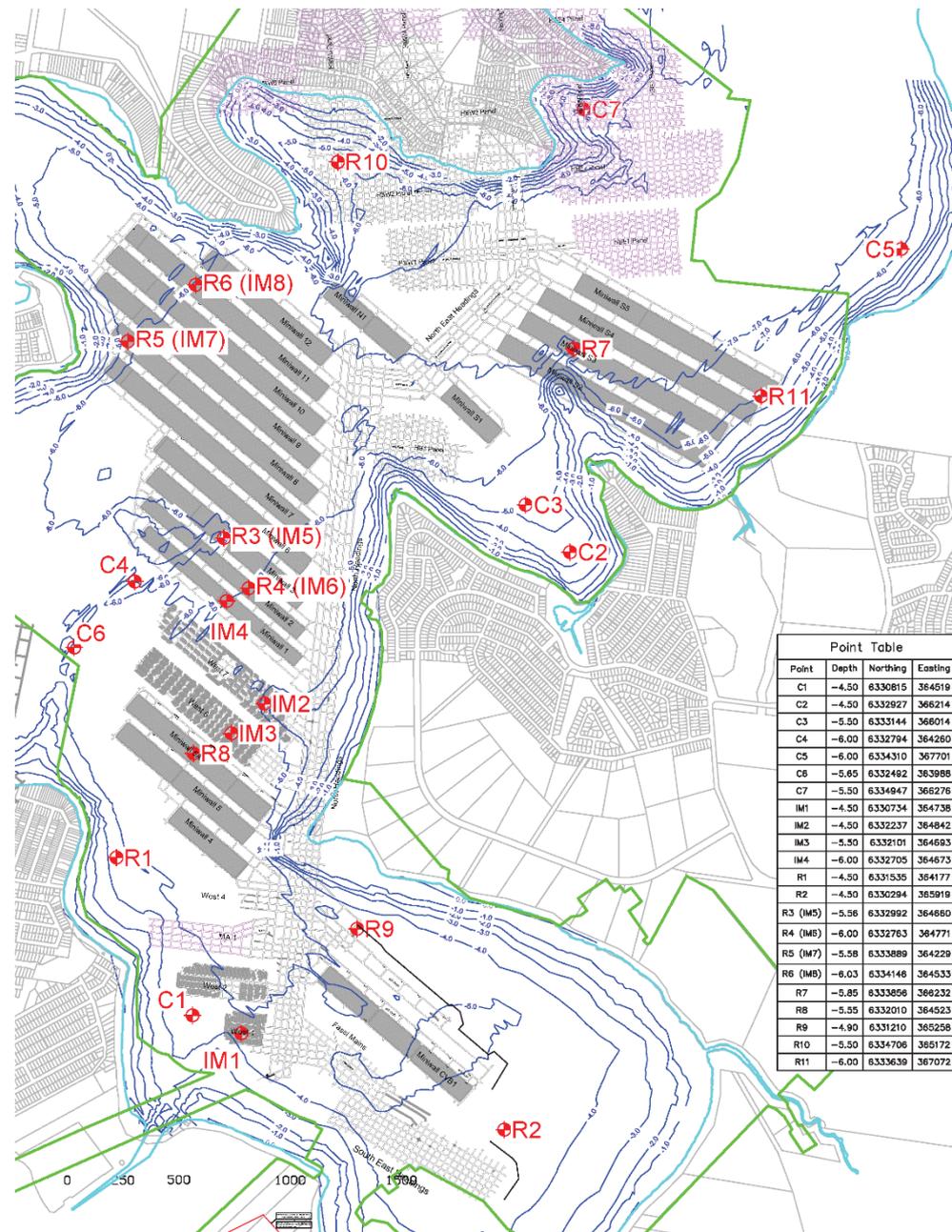
UPDATE ON CVC VENT FAN NOISE MANAGEMENT



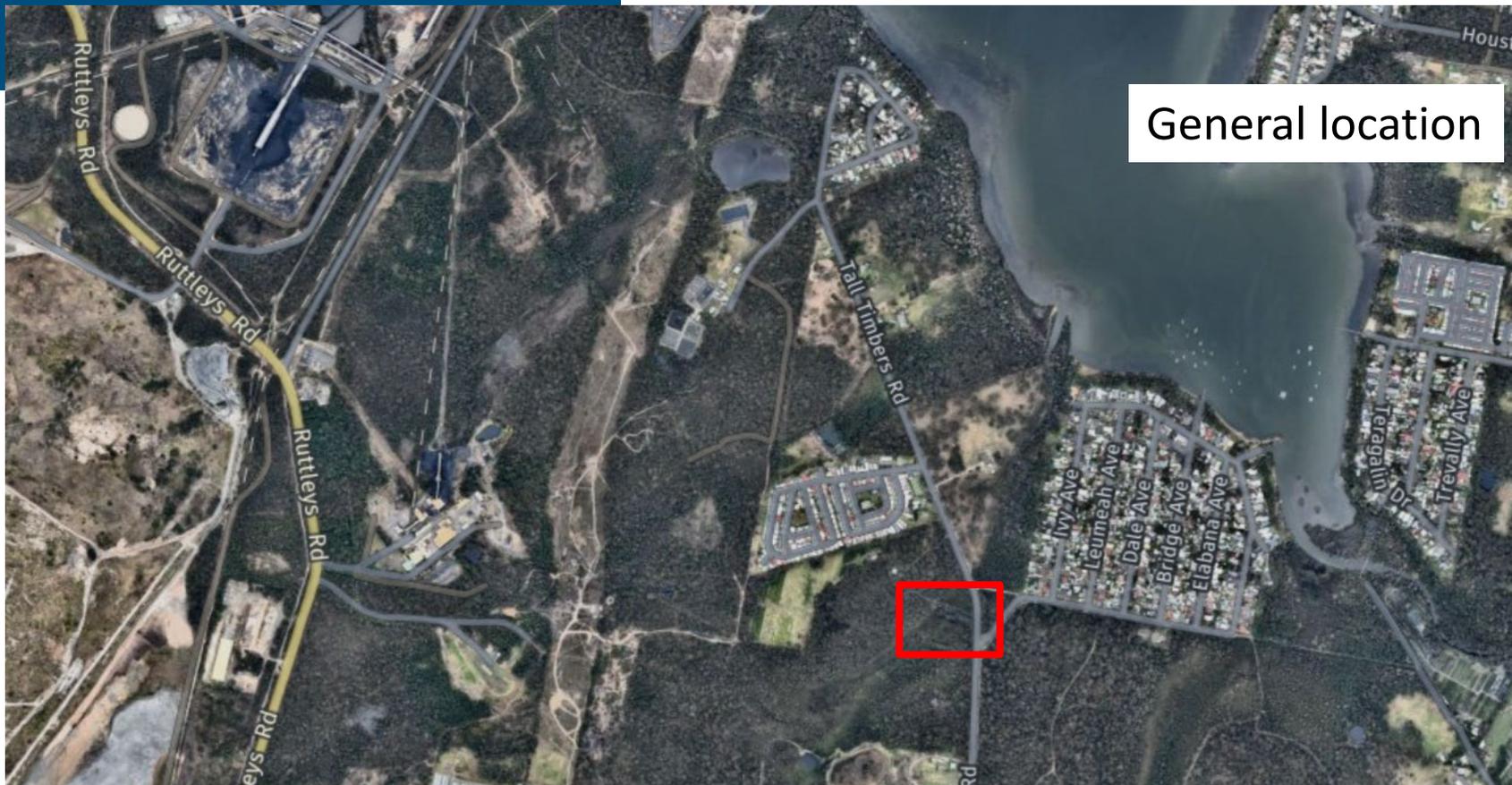
BENTHIC COMMUNITIES MONITORING LOCATIONS

A control site is located north of Mannering Park, however no monitoring of impact is undertaken in Wye Bay. Noting that Wye bay is also outside the CVC Development Consent Boundary.

Control monitoring sites were picked closer to CVC workings when monitoring commenced in 2012.



TALL TIMBERS ROAD WATER



General location

TALL TIMBERS ROAD WATER



Appears man made
Has been there since before 2010

nearmap

< Sat Mar 20 2010 >

Vertical

< Sat Aug 6 2022 >

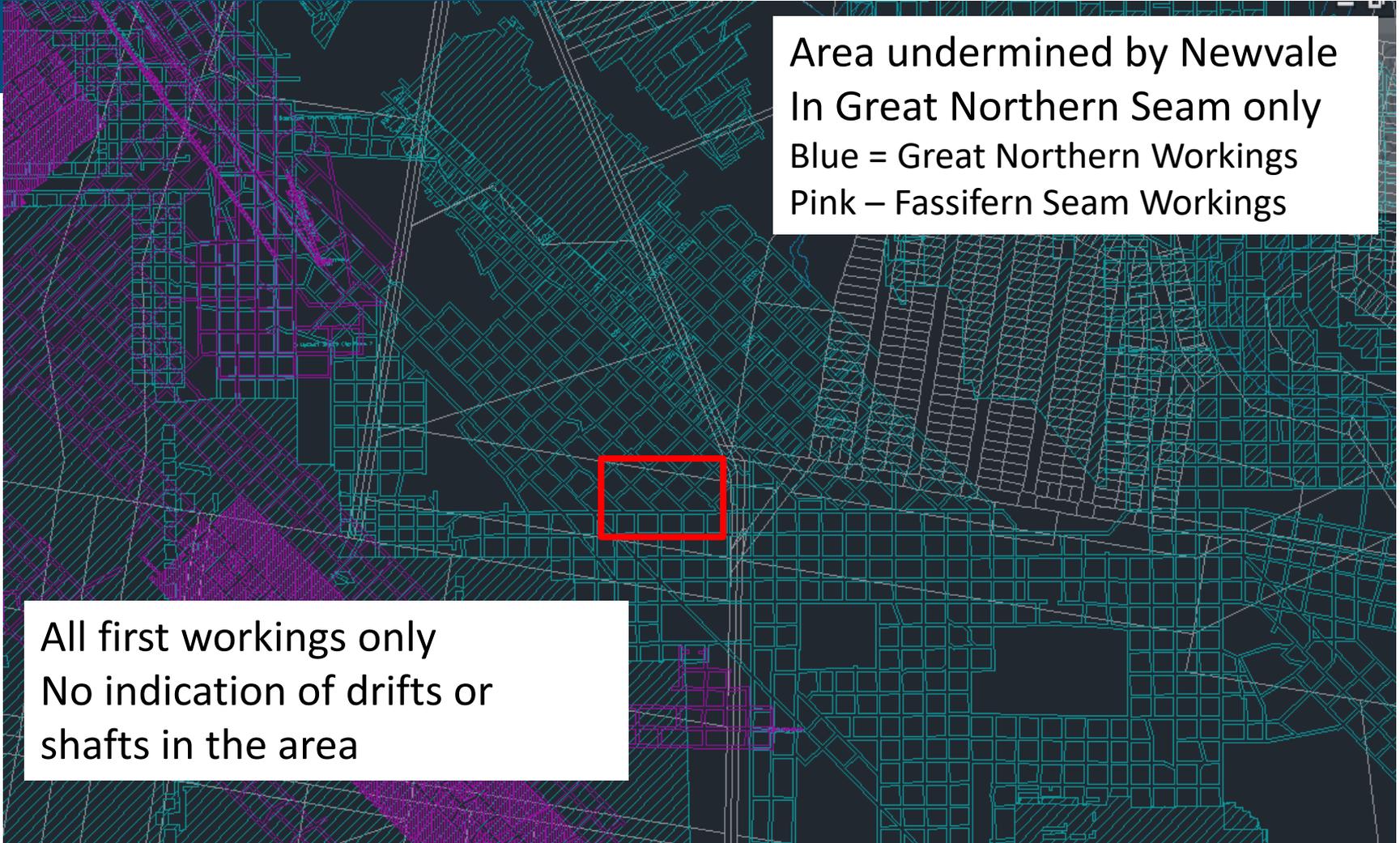
Imagery © 2023 Nearmap, HERE 10m

TALL TIMBERS ROAD WATER



Area undermined by Newvale
In Great Northern Seam only
Blue = Great Northern Workings
Pink – Fassifern Seam Workings

All first workings only
No indication of drifts or
shafts in the area



TALL TIMBERS ROAD WATER



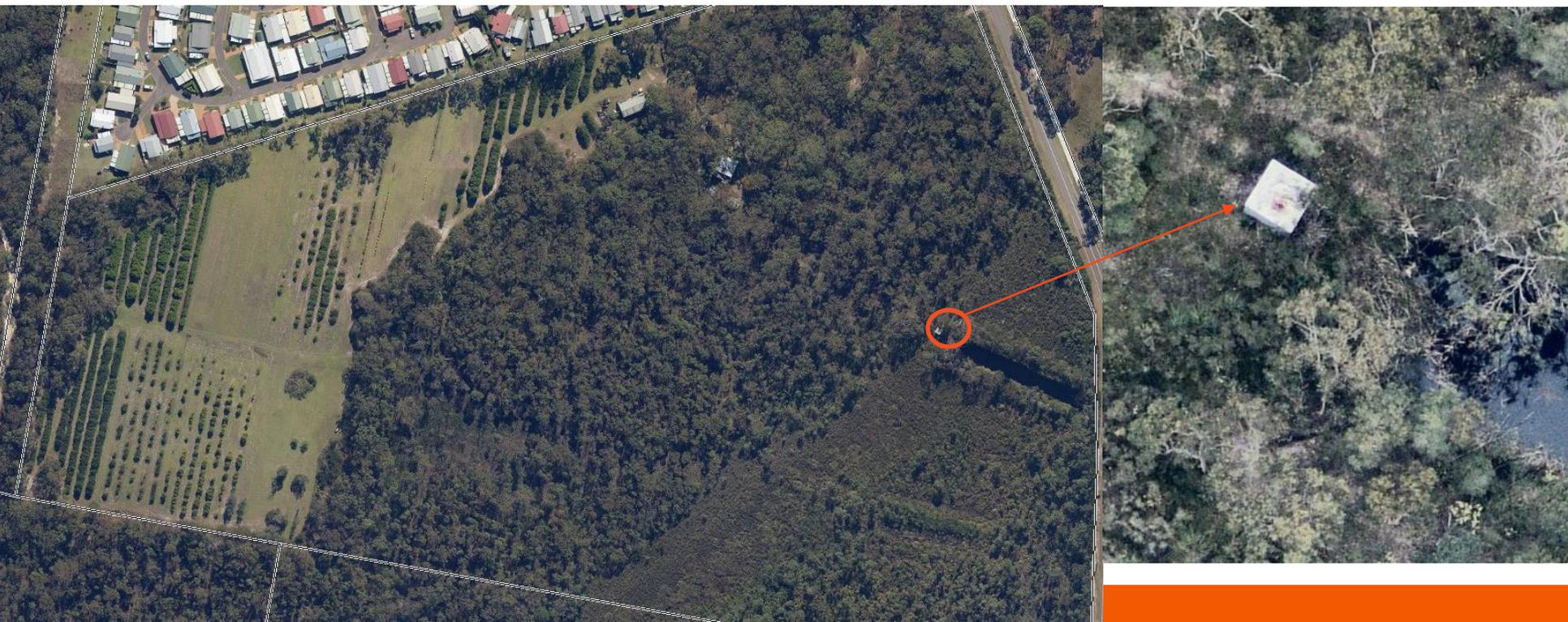
Workings over aerial photo



TALL TIMBERS ROAD WATER



Appears to be a small shed/pump station adjacent the water which may be related. A site investigation was undertaken but it was not accessible from the road, only from private land which Delta Coal doesn't have authority to enter.



ENVIRONMENTAL INCIDENTS / NON- COMPLIANCES



Summary of Incidents and Non-compliances

| Site | Date | Incident / Non-compliance Type |
|------|------------|---|
| MC | 17.11.2022 | Depositional Dust Gauge monthly increase Exceedance |
| CVC | 17.11.2022 | Depositional Dust Gauge monthly increase Exceedance |
| MC | 15.12.2022 | Noise Exceedance at RA2 monitoring location (Macquarie Shores Home Village) |

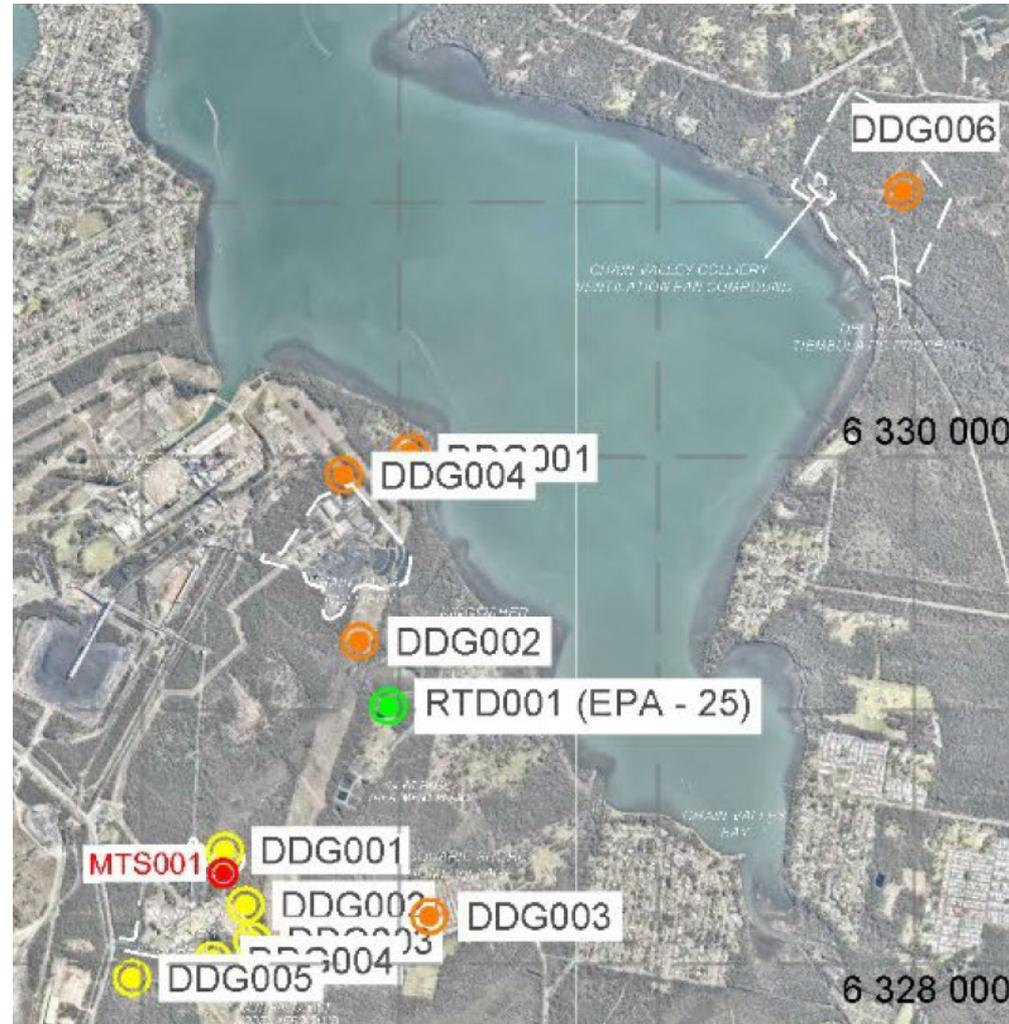
ENVIRONMENTAL INCIDENTS / NON- COMPLIANCES

MC DDG1 & CVC DDG006 Dust Gauge Exceedances Oct-Nov 2022.

Dust Gauges MC DDG001 and CVC DDG006 exceeded the monthly increase limit ($2\text{g}/\text{m}^2/\text{month}$) but remain below the annual average limit.

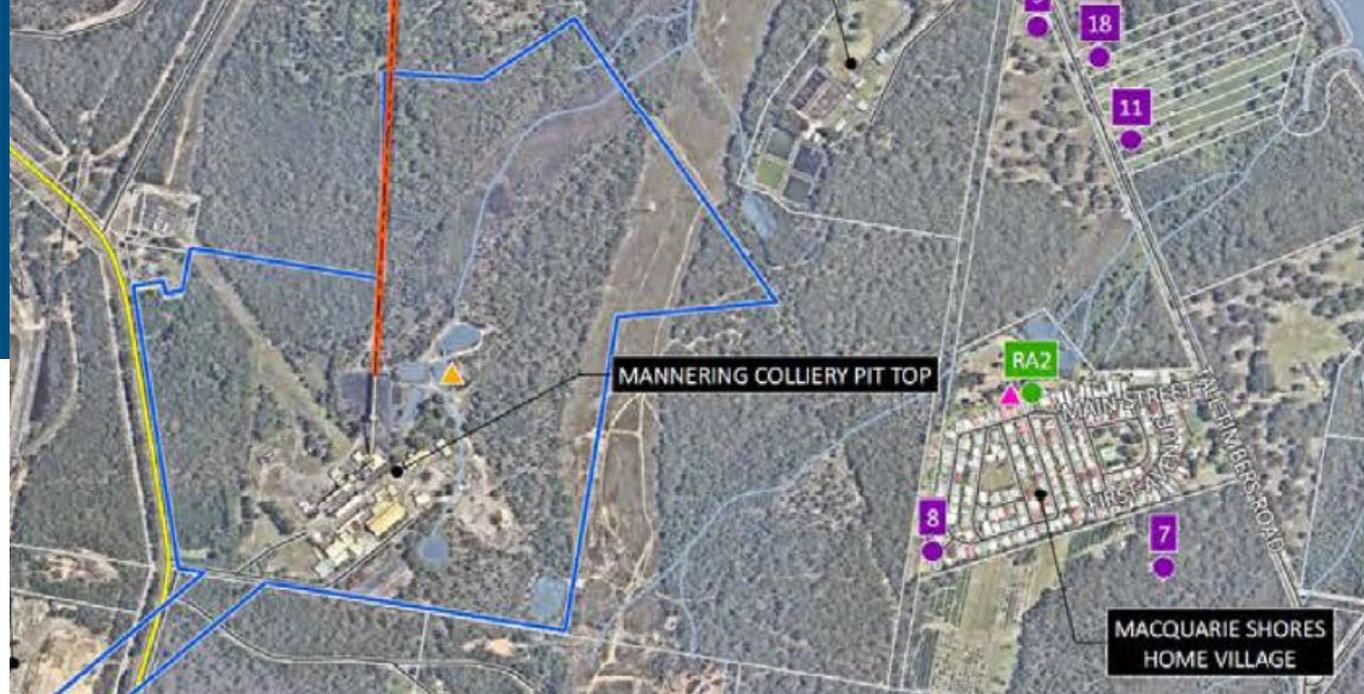
The exceedance was reported to the NSW DPE and NSW EPA. Outcomes of the incident investigation noted that the exceedance was anomalous to prior results and that dust suppression measures were maintained throughout the monitoring period.

The gauges have not exceeded limits in the November-December or December-January monitoring results.



ENVIRONMENTAL INCIDENTS / NON-COMPLIANCES

MC – RA2 Noise Exceedance 15.12.2022



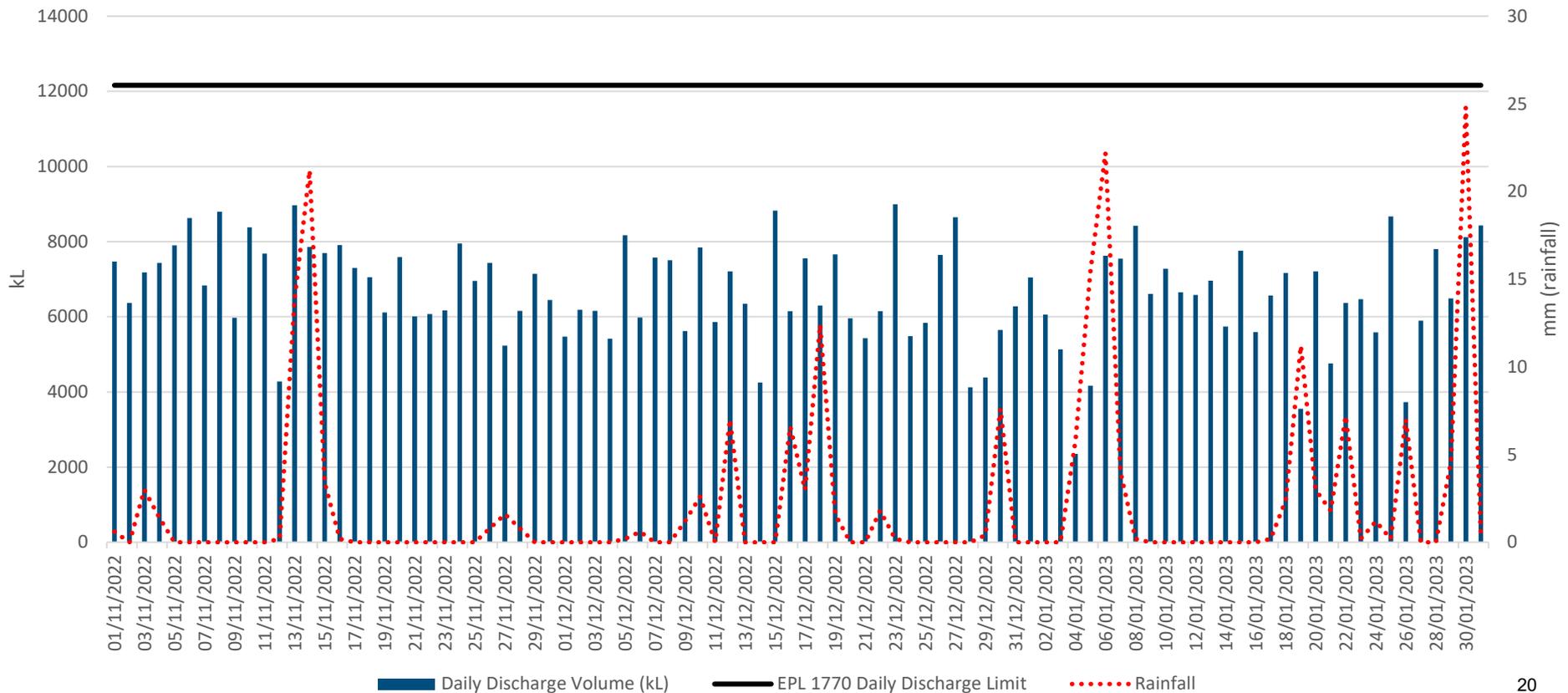
During monthly noise monitoring for Mannering Colliery on 14/12/2022 at midnight. An exceedance of the LAeq (15 min) noise limit (40 dB) was observed, with a result of 41 dB in noise enhancing conditions for Mannering Colliery to Macquarie Shores Home Village.

Attempts were made to reduce noise on site immediately following notification of the exceedance to Delta Coal. However, ultimately it was decided that production was to cease on that night.

When MC operations recommenced (night period) 2 days following, noise monitoring was undertaken to confirm compliance.

CVC Surface Water Daily Discharge and Rainfall Volumes

Chain Valley Colliery Surface Water Discharge and Rainfall November - January

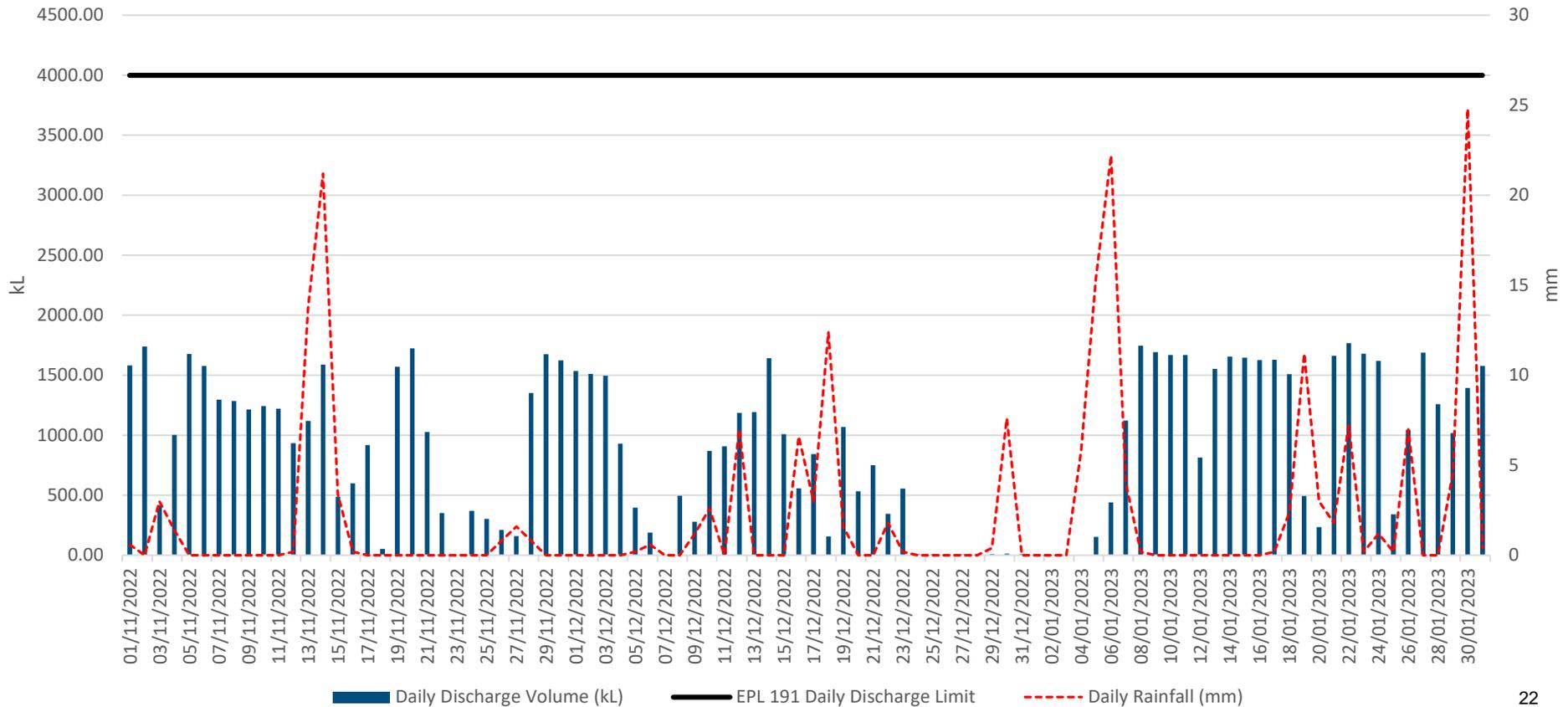


CVC Surface Water Quality Monitoring

| LDP1 | Limits | Nov - 2022 | Dec - 2022 | Jan - 2023 |
|-----------------------------------|---------|------------|------------|------------|
| Faecal Coliforms (CFU/100ml) | 200 | 51 | 22 | 60 |
| Total Suspended Solids (mg/kg) | 50 | <5 | 34 | <5 |
| pH (pH Units) | 6.5-8.5 | 7.55 | 7.68 | 7.75 |
| Oil and Grease | 10 | <5 | <5 | 5 |

MC Surface Water Daily Discharge Volume and Rainfall Volumes

Mannering Colliery - Surface Water Daily Discharge Volumes and Rainfall



ENVIRONMENTAL PERFORMANCE



MC Surface Water Quality Monitoring

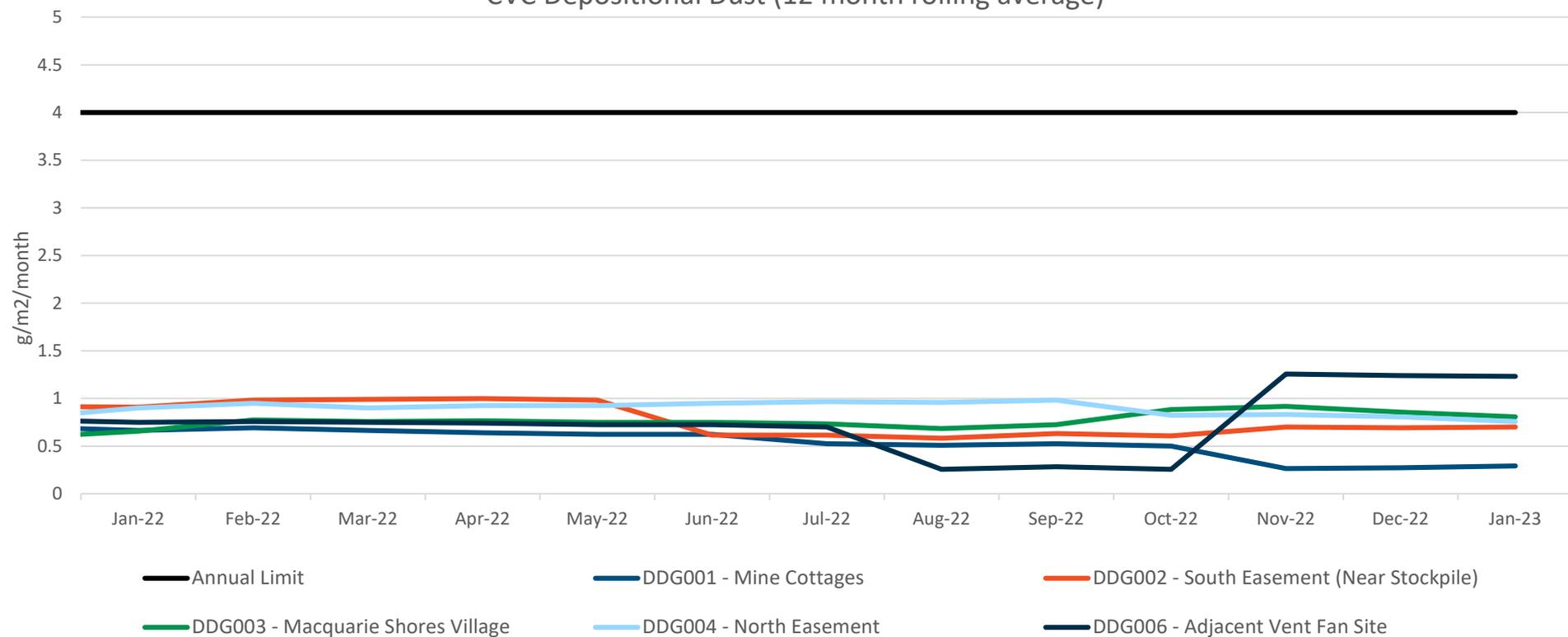
| LDP1 | Limits | Nov-2022 Average | Dec-2022 Average | Jan-2023 Average |
|----------------------|---------|---------------------|---------------------|---------------------|
| Oil & Grease mg/L | 10 | <5 | <5 | <5 |
| TSS mg/L | 50 | 10.25 | 8.3 | 8.75 |
| pH | 6.5-8.5 | 7.86 | 7.77 | 7.84 |

ENVIRONMENTAL PERFORMANCE

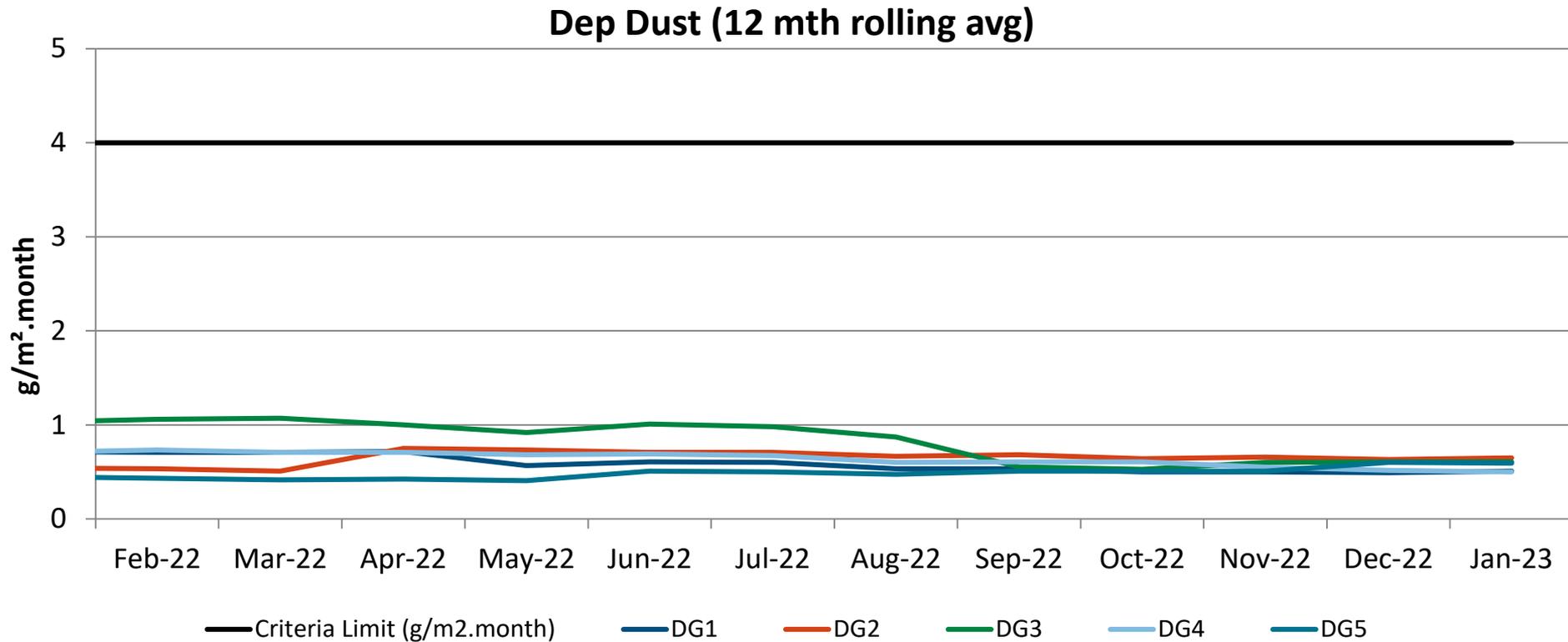


CVC Depositional Dust Monitoring

CVC Depositional Dust (12 month rolling average)

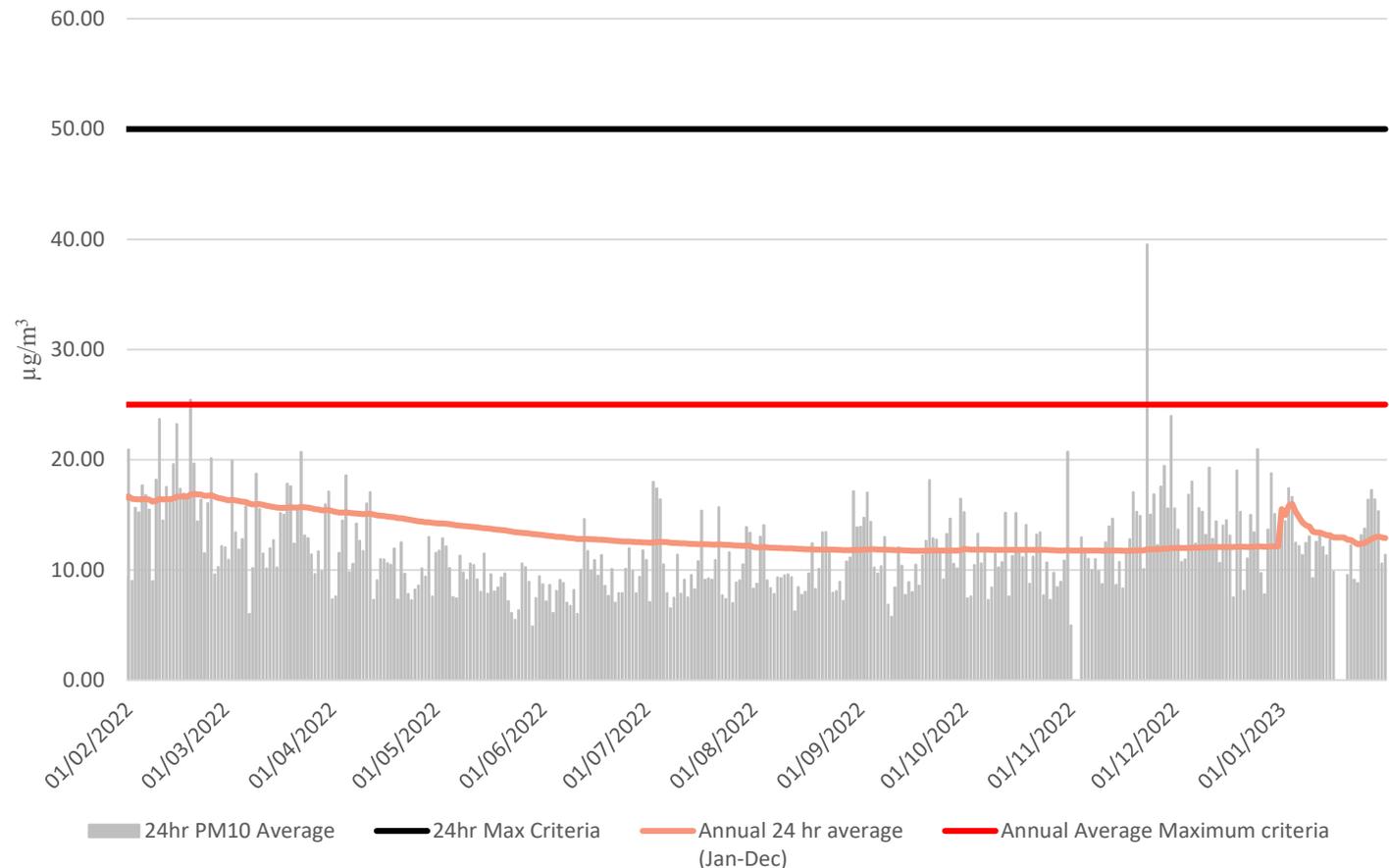


MC Depositional Dust Monitoring



PM₁₀ Monitoring

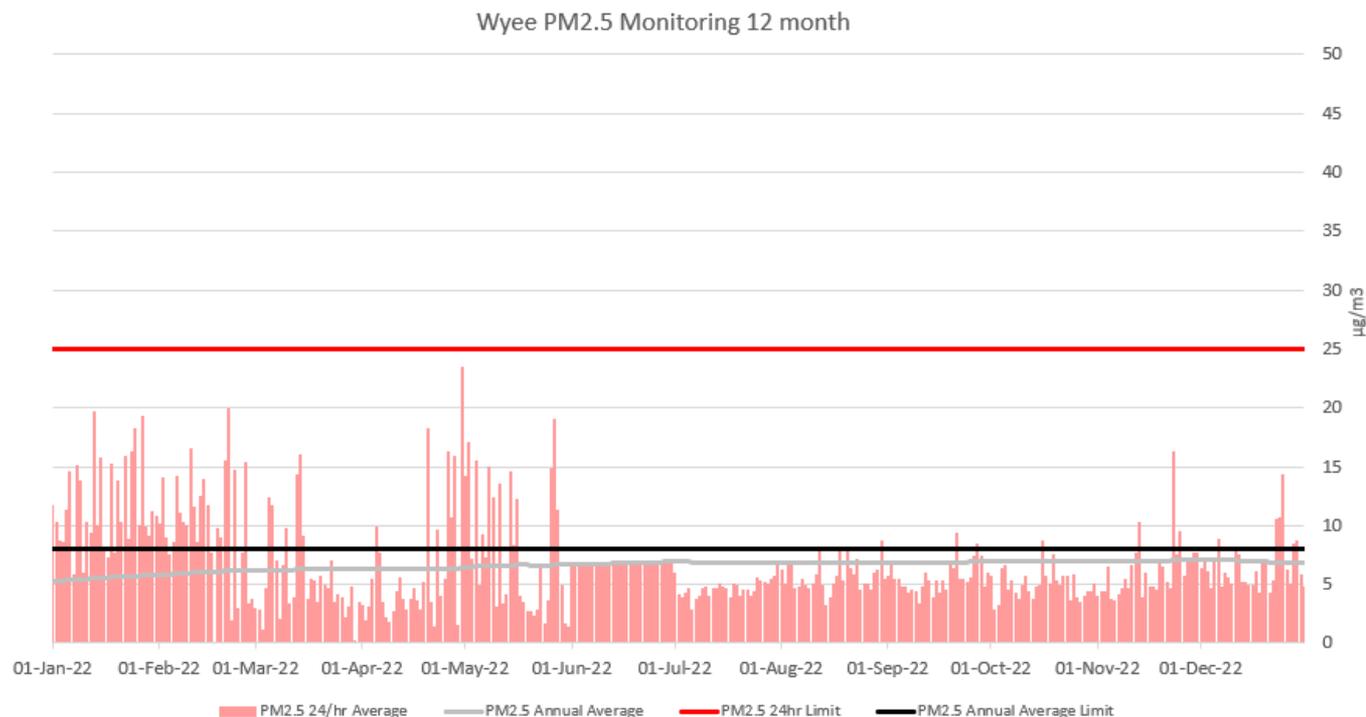
PM10 ($\mu\text{g}/\text{m}^3$) Monitoring (previous 12 months)



No exceedances of the average annual or 24hr criteria have been observed within the last 12 months.

PM_{2.5} Monitoring

There were no exceedances of the PM_{2.5} daily average limit in the Nov-22 to Jan-23 period. The 12-month rolling average PM_{2.5} value on 31 January 2023 was 6.8 µg/m³.

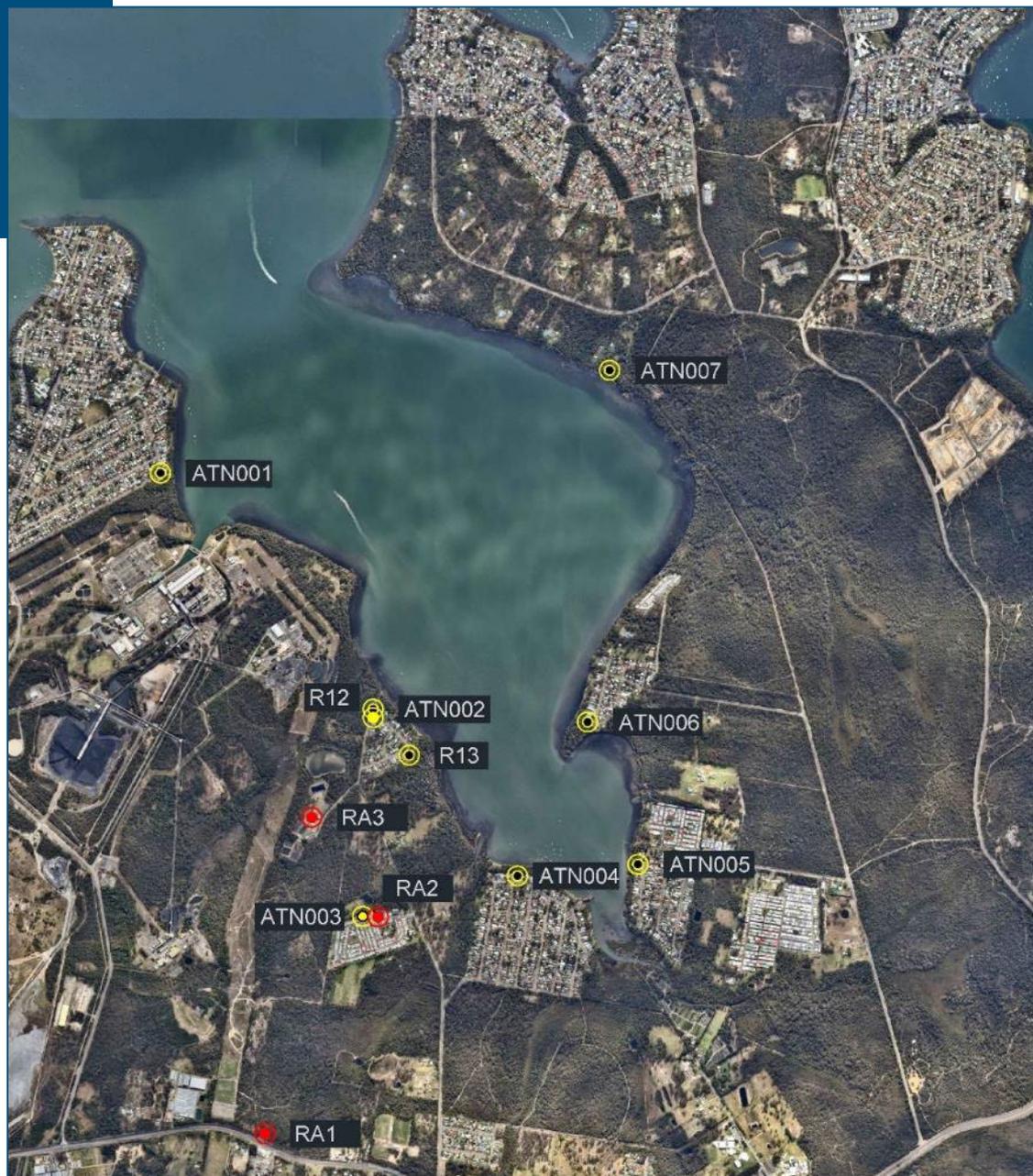


ENVIRONMENTAL PERFORMANCE

Noise Monitoring

Red = MC
Monitoring
Location

Yellow = CVC
Monitoring
Location



ENVIRONMENTAL PERFORMANCE



Noise Monitoring – MC November 2022 –January 2023

RA2 at Macquarie shores exceeded limits in December 2022 as previously noted.

IA = Inaudible

| Location | Date | Site Contributions, dB | | Noise Limits, dB | | Compliance status |
|----------------------|------------|------------------------|-------|------------------|-------|-------------------|
| | | LAEQ | LAMAX | LAEQ | LAMAX | |
| November 2022 | | | | | | |
| RA1 | 22/11/2022 | IA | IA | 36 | 46 | ☑ |
| RA2 | | <38 | <39 | 40 | 45 | ☑ |
| RA3 | | <39 | <49 | 39 | 49 | ☑ |
| December 2022 | | | | | | |
| RA1 | 14/12/2022 | IA | IA | 36 | 46 | ☑ |
| RA2 | | 41 | 43 | 40 | 45 | × |
| RA3 | | 38 | 42 | 39 | 49 | ☑ |
| January 2023 | | | | | | |
| RA1 | 16/01/2023 | IA | IA | 36 | 46 | ☑ |
| RA2 | | IA | IA | 40 | 45 | ☑ |
| RA3 | | IA | IA | 39 | 49 | ☑ |

Noise Monitoring – CVC Q4 2022

Chain Valley Colliery Q3 noise monitoring was undertaken on the 14th, 15th and 16th of December 2022.

This monitoring was done prior to cleaning of the ventilation fan silencers.

| Monitoring Point | Site Contributions, dB | | Noise Limit | | Compliance Status |
|---|------------------------------|-------|------------------------------|-------|-------------------|
| | LA _{EQ} (15 min) | LAMAX | LA _{EQ} (15 min) | LAMAX | |
| Chain Valley Colliery Q4 2022 (14,15 and 16 December 2022) | | | | | |
| ATN001 | In-audible (IA) | IA | 38 | 45 | ☑ |
| ATN002 | <38 | IA | 49 | 54 | ☑ |
| ATN003 | IA | IA | 36 | 45 | ☑ |
| ATN004 | IA | IA | 35 | 45 | ☑ |
| ATN005 | IA | IA | 35 | 45 | ☑ |
| ATN006 | IA | IA | 37 | 45 | ☑ |
| ATN007 | 43 (38+5 LFN) | 38 | 46 | 46 | ☑ |
| R12 | IA | IA | 49 | 53 | ☑ |
| R13 | IA | IA | 43 | 49 | ☑ |

Subsidence Monitoring

- Quarterly subsidence monitoring undertaken for the northern mining area in December 2022. No exceedances of subsidence limits.
- Bathymetric scan of secondary workings booked for March 2023.



Community Complaints between 1 November 2022 and 31 January 2023:

- Chain Valley Colliery - Nil community complaints received in period.
- Mannering Colliery - Nil community complaints received in period.

General Enquiries between 1 November 2022 and 31 January 2023:

- Enquiry received from resident of Mirrabooka regarding subsidence. The resident noted erosion on their property and queried if this was due to undermining undertaken by Delta Coal. Delta Coal noted that there had been no recorded subsidence as a result of the mining operation recorded in the vicinity of the property. Delta Coal offered to meet the resident, however the resident noted that a letter explaining Delta Coals position on such a hole would be adequate.

ENVIRONMENTAL PROJECTS



- CVC Sewer project, land transfer from Crown Lands to Central Coast Council completed in January 2023. Delta Coal advised it can commence works by Central Coast Council in January 2023. Equipment being introduced to site early February 2023, with completion forecasted 6-8 weeks from commencement. Application to EPA being made to extend due date from 24th February 2023 to 24th May 2023 due to delays incurred from the land transfer.
- Noxious weed control campaign completed in CVC Biodiversity Enhancement Area.

QUESTIONS