



**Victory Minerals**

## Environmental Review Committee

Quarterly Report

Meeting No. 118

*June - September 2024*

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## Business Overview

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### Organisational News

The third quarter of business under the new ownership of Jean-Michel Paul and his colleagues has concluded. The new owners continue to invest back into the mine, finance for the significant plant and equipment ordered was locked down throughout the quarter. The first items of new plant and equipment will arrive very early in the coming quarter.

Work was undertaken in the quarter for commencement of the TSF4 project, mainly administrative tasks and organising tenders for the facilities final design diagrams.

Several clean ups along Britain Street were conducted, it involved clearing of rubbish that had been dumped illegally, in total six large skips have been filled and removed to an appropriate landfill site.

Improvements in gold prices has contributed to a great finish to the quarter for the business, with gold prices to remain elevated for the foreseeable future it enables the owners to continue re-investing and further securing a bright future for the business and it's employee's.

### Exploration Activity

There were no significant updates to exploration news relative to Victory Minerals' tenements over the last quarter.

#### **MIN4847 - Ballarat South**

*The Mining Licence is current and active, with renewal due for November 2024. Strategy optimisation continues with the Regulators regarding future Tailings Storage Facilities upon the tenement for the longevity of the Ballarat mining operations. The tenement is considered to hold potential for future mineral resources, which may be accessible from the current underground mining infrastructure. The Company has identified exploration targets requiring drill testing but are yet to develop a timeline for commencing the program. In the last quarter the VCAT tribunal has endorsed the City of Ballarat's decision to grant a permit for the construction of the TSF4 project. It is a critical piece of infrastructure for the viability of the mine and the majority of its footprint will occur within MIN4847.*

#### **MIN5396 - Ballarat**

*The Mining Licence hosts majority of the infrastructure relating to the present underground mining and surface processing operations. Present exploration on the tenement relates to the drill testing and definition of mineral resources in the immediate mining areas. The tenement hosts significant potential for the long-term future of the Ballarat Gold Project, with high grade mining historically associated with the Ballarat West Goldfield (west of Yarrowee River). It is considered that the Ballarat West Goldfield could be accessed from the current underground infrastructure upon completion of sufficient exploration and obtaining of the relevant approvals. The Company continues to undertake research, reviews, and assessment of the Ballarat West Goldfield, and the "Gap Zone" (defined as the area of little historic mining or exploration separating the Ballarat East and West Goldfields). Balmaine has identified exploration sites from the current underground infrastructure, from which, exploration drilling may be undertaken to further assess parallel*

*mineralisation to the current Ballarat East mining operations. A renewal application was submitted in September 2023 to ERR for a further 15 years from the current expiry of 4 October 2023. The licence will remain current and pending renewal until the application is reviewed and processed by ERR.*

***EL006442 - Buninyong***

*The Company has undertaken no exploration work upon the tenement, the tenement was reduced in size during 2021 following an initial review of the tenement area. A renewal application requesting a further 5 years to explore the tenement was submitted to ERR in August 2023. The licence is currently pending renewal; however, licences remain current until the application is processed by ERR.*

***EL006851 - Nerrina/Little Bendigo***

*On the 25 June 2024 Earth Resources Regulation advised that an exemption has been placed over the area covering the application under section 7 of the Mineral Resources (Sustainable Development) Act 1990 (MRSDA). As a result, a minerals licence cannot be granted to any company at this time.*

***EL007533 - Ballarat***

*On the 25 June 2024 Earth Resources Regulation advised that an exemption has been placed over the area covering the application under section 7 of the Mineral Resources (Sustainable Development) Act 1990 (MRSDA). As a result, a minerals licence cannot be granted to any company at this time.*

## Sustainability

### Energy

Ballarat Gold Mine's total energy use increased by .81 TJ since quarter, however, is below the average 46.16TJ over the last 12 months usage.

|                    | <b>Jan-24</b> | <b>Feb-24</b> | <b>Mar-24</b> |
|--------------------|---------------|---------------|---------------|
| Electricity-(MWh)  | 2525.97       | 2669.93       | 2710.87       |
| Diesel- (kL)       | 147.58        | 149.69        | 125.45        |
| Natural Gas (GJ)   | 370.79        | 346.86        | 370.79        |
| <b>Totals (TJ)</b> | 46.54         |               |               |

|                    | <b>Apr-24</b> | <b>May-24</b> | <b>Jun-24</b> |
|--------------------|---------------|---------------|---------------|
| Electricity-(MWh)  | 2499.842      | 2594.434      | 2481.734      |
| Diesel- (kL)       | 128.154       | 123.654       | 117.271       |
| Natural Gas (GJ)   | 549.103       | 567.406       | 549.103       |
| <b>Totals (TJ)</b> | 43.77         |               |               |

|                    | <b>Jul-24</b> | <b>Aug-24</b> | <b>Sept-24</b> |
|--------------------|---------------|---------------|----------------|
| Electricity-(MWh)  | 2589.662      | 2451.598      | 2398.548       |
| Diesel- (kL)       | 138.551       | 141.64        | 131.627        |
| Natural Gas (GJ)   | 1093.606      | 79.573        | 77.006         |
| <b>Totals (TJ)</b> | 44.55         |               |                |

*Table 1- ENERGY CONSUMPTION OVER LAST THREE QUARTERS*

### Waste and recycling.

We continue to prioritise waste reduction through ongoing initiatives aimed at enhancing recycling efforts and reducing landfill use. Multiple disposal streams are maintained on-site to ensure efficient separation of materials. Our approach aligns with our Environmental, Social, and Governance (ESG) objectives, reinforcing our commitment to both environmental sustainability and economic responsibility in our supplier partnerships.

### Land Management

#### General Maintenance, Weed Control and Fire prevention

Ballarat Gold Mine continues its commitment to land management through ongoing general ground maintenance and fire prevention programs. These efforts are supported by Ballarat Projects crew and two local independent contractors. G&S Plantation Services remains the primary contractor, overseeing external ground maintenance, including the Golden Point Shaft area. While no weed management activities were undertaken this quarter, regular land maintenance has progressed as planned. Weed management and fire prevention measures will resume in the coming warmer months to ensure proactive environmental management.

## Rehabilitation

There have been no further updates regarding the removal of approximately 2,000-2,500 tonnes of sludge from Otway Street, with the project still pending due to cashflow considerations. An EPA permit has been secured, ensuring compliance with the Environment Protection Act 2017 for safe removal.

In other land management efforts, the White Horse Gully Rehabilitation project, initiated in late March 2023, remains ongoing. This project aims to restore severely degraded and eroded gullies in the area, in alignment with Ballarat Gold Mine's commitments in the 1993 Work Plan. The project focuses on stabilising land contours to improve erosion control, with the mining department overseeing the construction phases throughout the quarter, further demonstrating our dedication to sustainable land management.

## Environmental & Social Monitoring – Data

### Air Quality

#### Depositional dust monitoring

All 7 but one instance of monthly depositional dust monitoring returned results well below monthly maximum threshold limits. Analysis showed insoluble solids ranged from 0.064 to 4.6 g/m<sup>2</sup>/month (see Figure 1), with regulatory limit of 4.0 g/m<sup>2</sup>/month. Insoluble solids consist of combustible matter content and ash content; ash represents airborne inert crustal dust, while combustible matter includes fine airborne organic flora such as pollen, seeds, and leaf matter. The single instance of exceedance only 3.4g of that being consistent of ash (dust component). Upon receiving these results notification was made to both ERR and EPA.

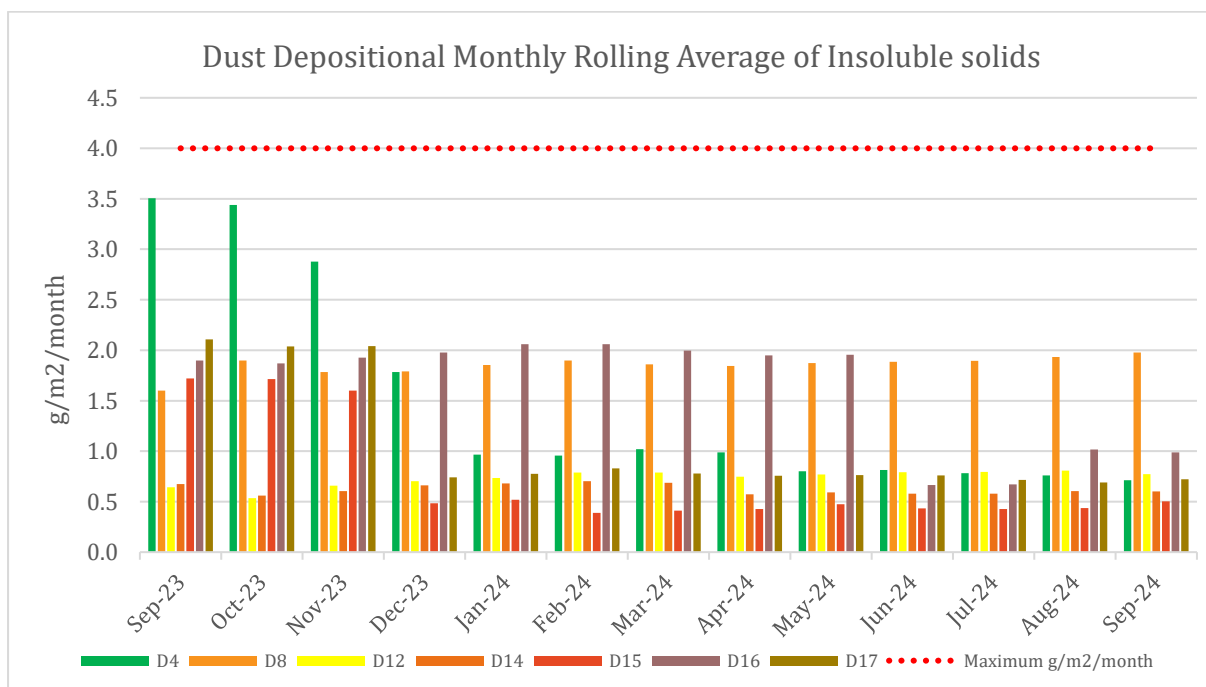


Figure 1- AIR QUALITY COMPLIANCE-INSOLUBLE SOLIDS 12 MONTH ROLLING AVERAGE

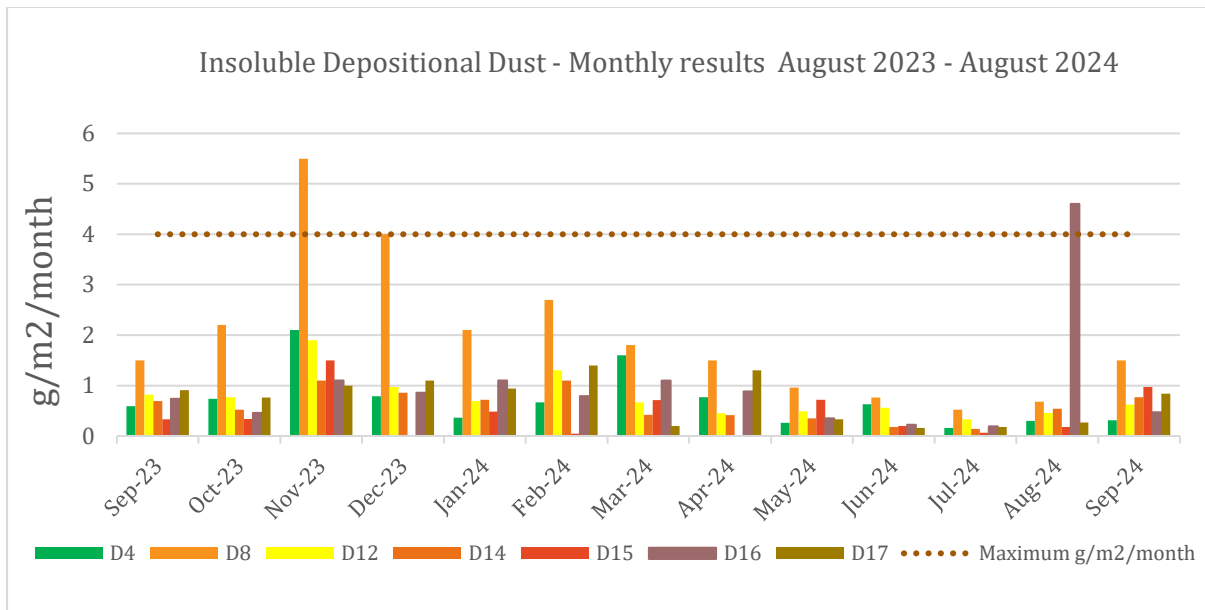


Figure 2 - INSOLUBLE SOLIDS MONTHLY DATA.

### Ambient air monitoring

Ambient air monitoring at our site includes PM10 and PM2.5 measurements, representing particles with aerodynamic diameters less than 10 and 2.5 microns, respectively. Moving forward, our air monitoring analysis aligns with the Ambient Air Quality guidelines set by the NEPM (National Environment Protection Measures), which aim to mitigate health risks associated with air pollution exposure. We have implemented these measurements into our ongoing management procedures to best ensure the well-being of both our staff and the community as a whole.

#### Maximum concentrations as per NEPM AQ guidelines.

##### **PM2.5 Maximum concentrations:**

.025mg/m<sup>3</sup>/day  
.008mg/m<sup>3</sup>/year

##### **PM10 Maximum concentrations:**

.050mg/m<sup>3</sup>/day  
.020mg/m<sup>3</sup>/year

Strategically placed ambient air monitors ensure continuous and accurate measurement of local dust and air quality levels, capturing crosswind emissions for effective site-wide air quality management. While not a regulatory requirement, this monitoring maintains our dust management strategies, proactively reducing potential impact to human health.

Monitor 1, is in place at White Horse Gully since January 2023 (see Figure 3 for quarterly results). Monitor 2, located at the northern end of the site since September 2023, required an upgrade from Thomson Environmental Systems after going offline. Had a short stint back online and has since required a service and calibration as of August 27<sup>th</sup> (see Figure 4).

In line with Ballarat Gold Mines Air Quality Management Plan (AQMP) all surface activities are assessed for their potential to generate dust. Where appropriate Dust-generating activities are monitored, and suppression techniques are employed as needed. Water trucks are regularly circulated around the site to manage dust effectively.



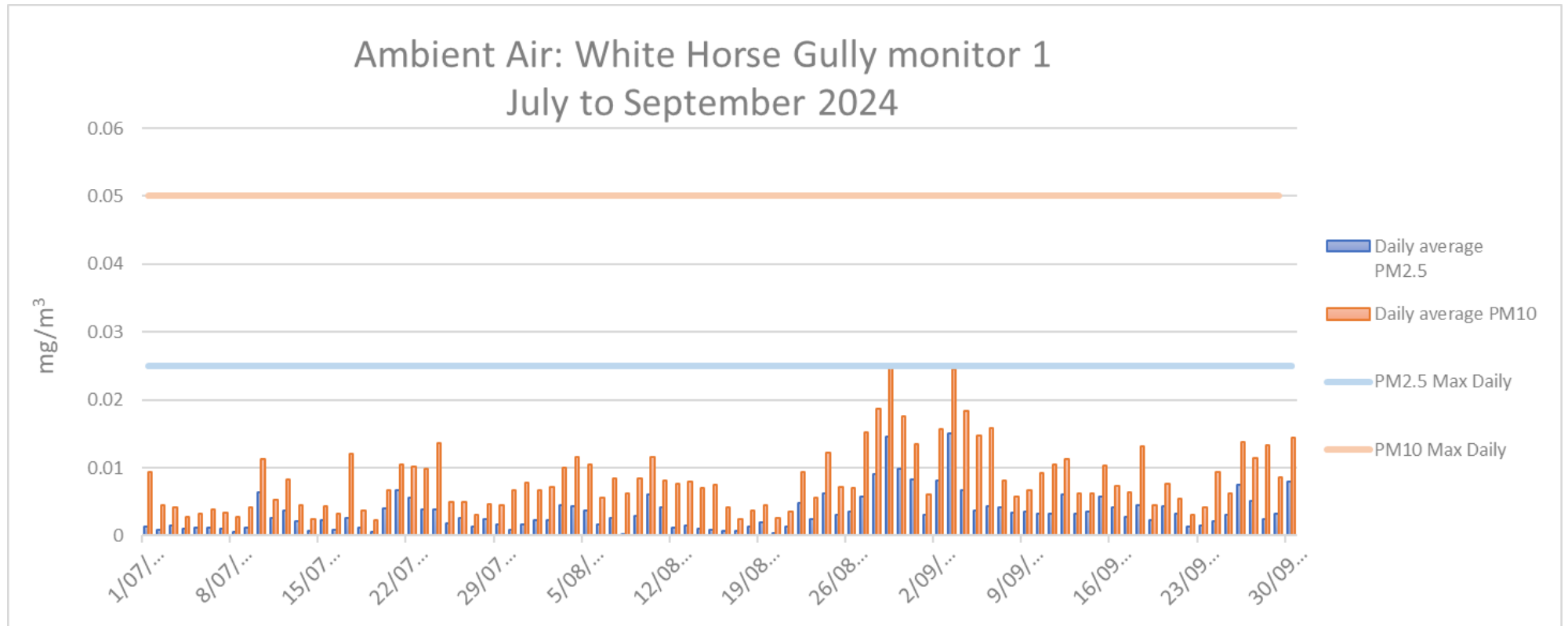


Figure 3 - Ambient air continuous monitoring - White Horse Gully Monitor 1

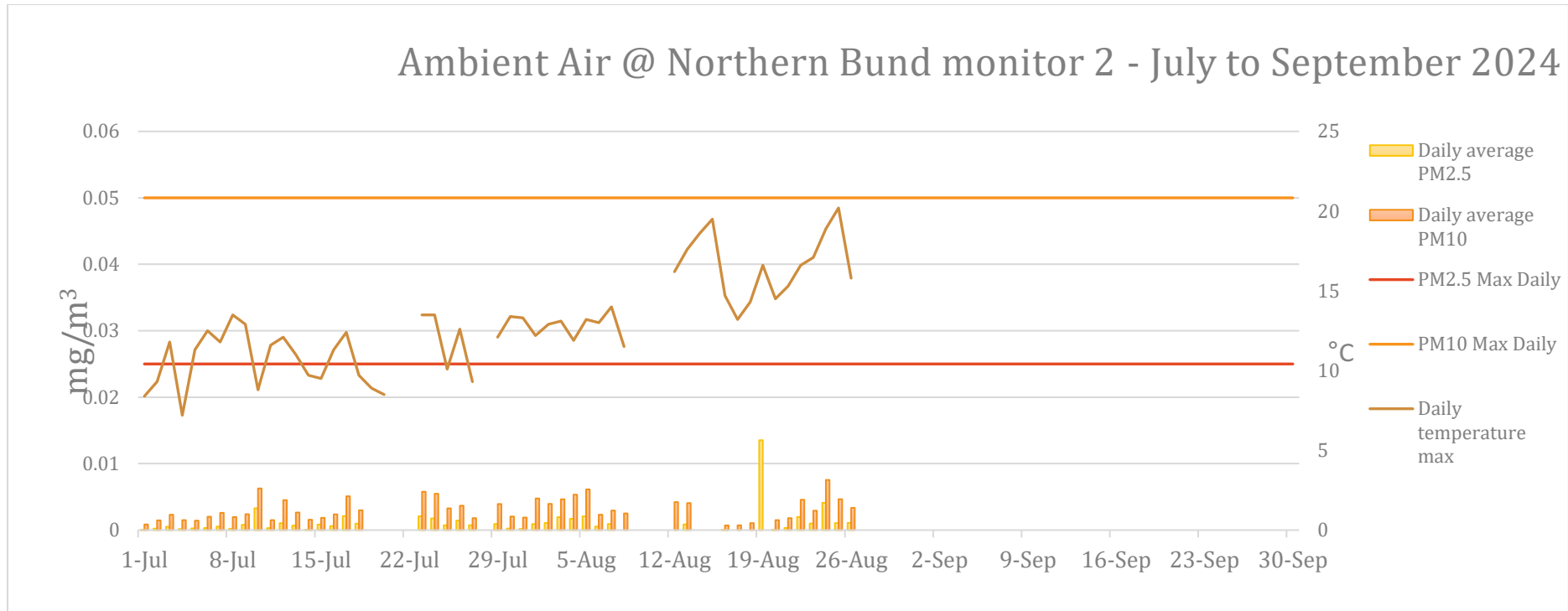


Figure 4 - Ambient air continuous monitoring – Noise bund Monitor 2

# Ballarat Gold Mine - Dust Monitor Location



Figure 5 - MAP OF DUST MONITORING LOCATIONS

## Blast Vibration

All monitoring results for the quarter were well below the maximum day-time vibration limit of 10 mm/sec and continues to remain below the 5 mm/sec vibration limit set for 95% of firings.

A total of 271 firings took place during the quarter: 253 firings (93.3%) were development, 18 firings (6.6%) were production (stope) firings (Table 3).

Development firings, essential for advancing declines and providing underground services, usually produce waste rock. These smaller blasts, compared to production stopes, typically occur at 6:45 am and 6:45 pm. This quarter, active development focused on the Llanberris, Canton, and Britannia compartments, while production primarily took place within the Canton and Llanberris compartments.

| Compartment        | Development |           |           | Stope     |          |          | Sub Totals | % of all firings |
|--------------------|-------------|-----------|-----------|-----------|----------|----------|------------|------------------|
|                    | Jul         | Aug       | Sept      | Jul       | Aug      | Sept     |            |                  |
| Britannia          | 8           | 33        | 36        | 1         | 2        | 0        | 79         | 29%              |
| Canton             | 23          | 16        | 7         | 2         | 4        | 1        | 53         | 19%              |
| Llanberris         | 43          | 14        | 7         | 3         | 1        | 3        | 71         | 26%              |
| Normanby           | 0           | 0         | 0         | 0         | 0        | 0        | 0          | 0                |
| Sovereign          | 2           | 2         | 3         | 1         | 0        | 0        | 8          | 3%               |
| Victoria           | 7           | 17        | 8         | 0         | 0        | 0        | 32         | 12%              |
| Golden Point       | 2           | 11        | 14        | 1         | 0        | 0        | 28         | 10%              |
|                    | <b>85</b>   | <b>93</b> | <b>75</b> | <b>8</b>  | <b>6</b> | <b>4</b> | <b>271</b> | <b>100%</b>      |
| <b>Grand Total</b> | <b>253</b>  |           |           | <b>18</b> |          |          |            |                  |

Table 2 - ALL UNDERGROUND MINE FIRINGS for the quarter

Ballarat Gold Mine have five vibration monitors placed on the surface, monitoring underground blast vibration. Table 3 shows total firings detected during the quarter.

Blasting compliance requires 95% of firings to be below 5mm/s. 2 firings out of the 271 exceeded the 5mm/s. 15<sup>th</sup> of July saw a Stope Firing in the Sovereign compartment measuring 5.13mm/s PPV and 28<sup>th</sup> of September stope firing in the Llanberris compartment reported a maximum ground vibration of 5.14mm/s PPV.

The monthly rolling average for blast vibration is 0.331mm/s PPV and continues to remain below 1.0 PPV for the year. Victory Minerals continues to employ techniques with the aim to reduce the amount of explosive required where it is practicable.

| Compartment  | Firings >5mm/s | Firings >10mm/s | Maximum (mm/s PPV) |
|--------------|----------------|-----------------|--------------------|
| Golden Point | 0              | 0               | 4.54               |
| Britannia    | 0              | 0               | 0.7                |
| Llanberris   | 1              | 0               | 5.14               |
| Canton       | 0              | 0               | 4.34               |
| Sovereign    | 1              | 0               | 5.13               |
| Normanby     | 0              | 0               | 0                  |
| Victoria     | 0              | 0               | 0.39               |

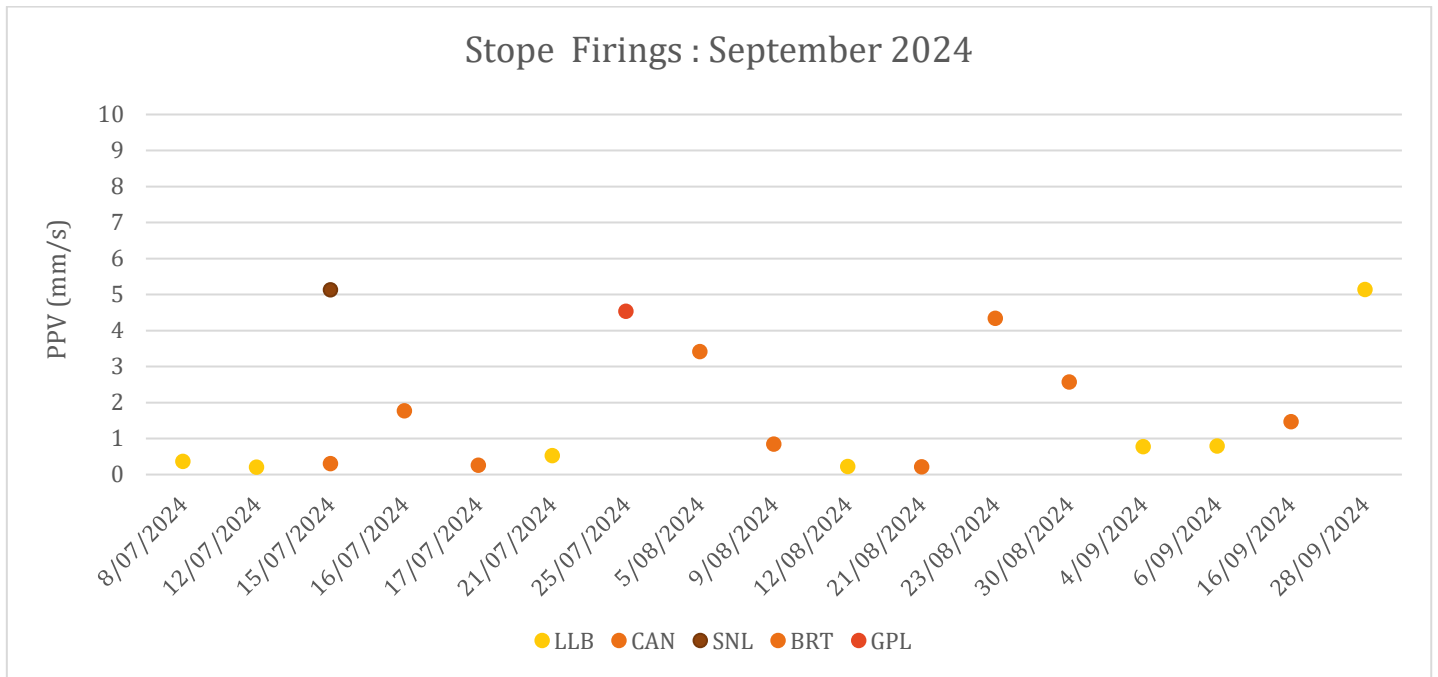


Figure 6 - PRODUCTION STOPE FIRINGS (MAXIMUM VIBRATION FOR EACH FIRING)

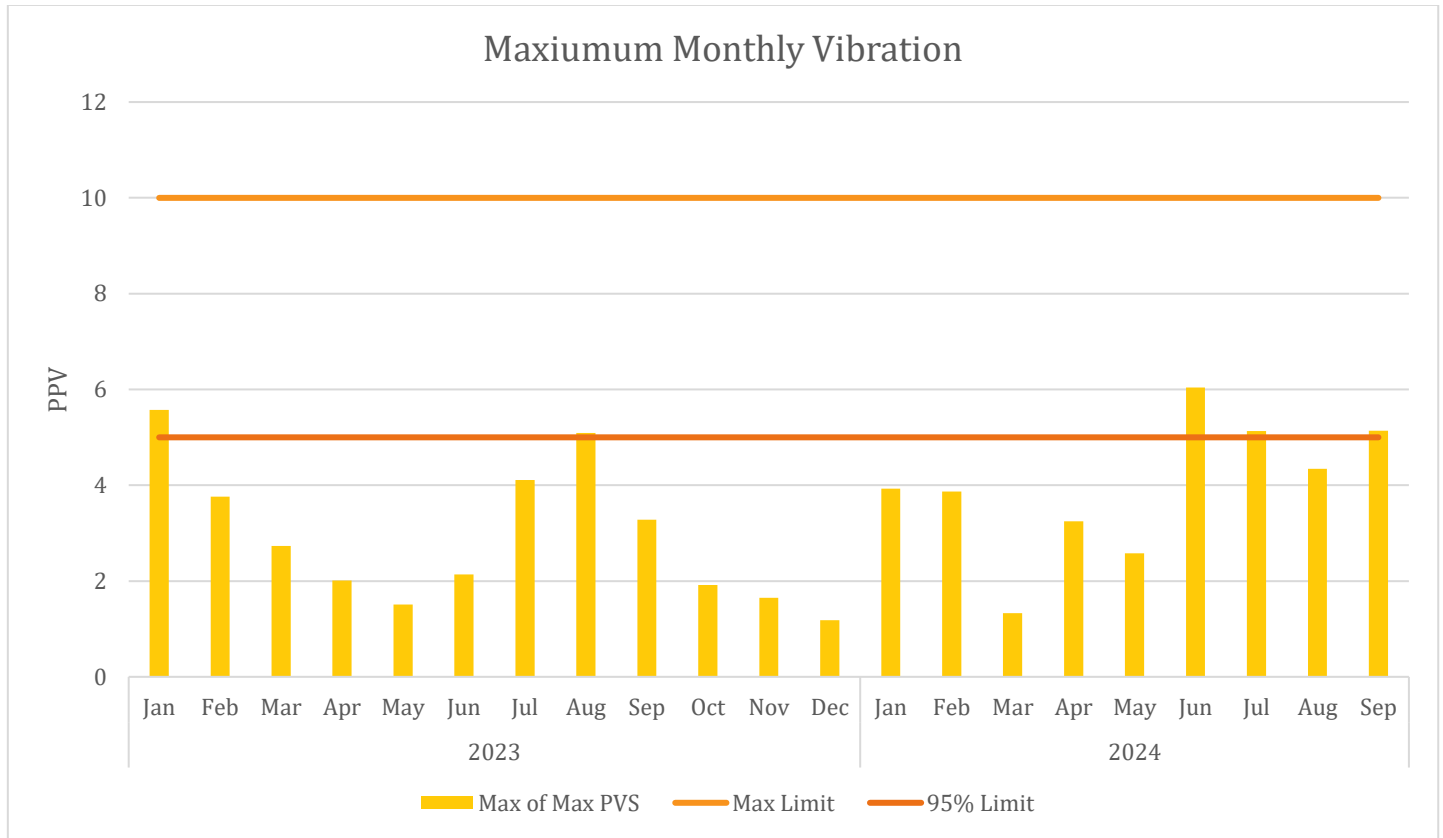


Figure 7 - PRODUCTION STOPE FIRINGS TREND (MONTHLY MAXIMUM AND AVERAGE VIBRATION)

## Maximum Blast Vibration w/ Rolling Average

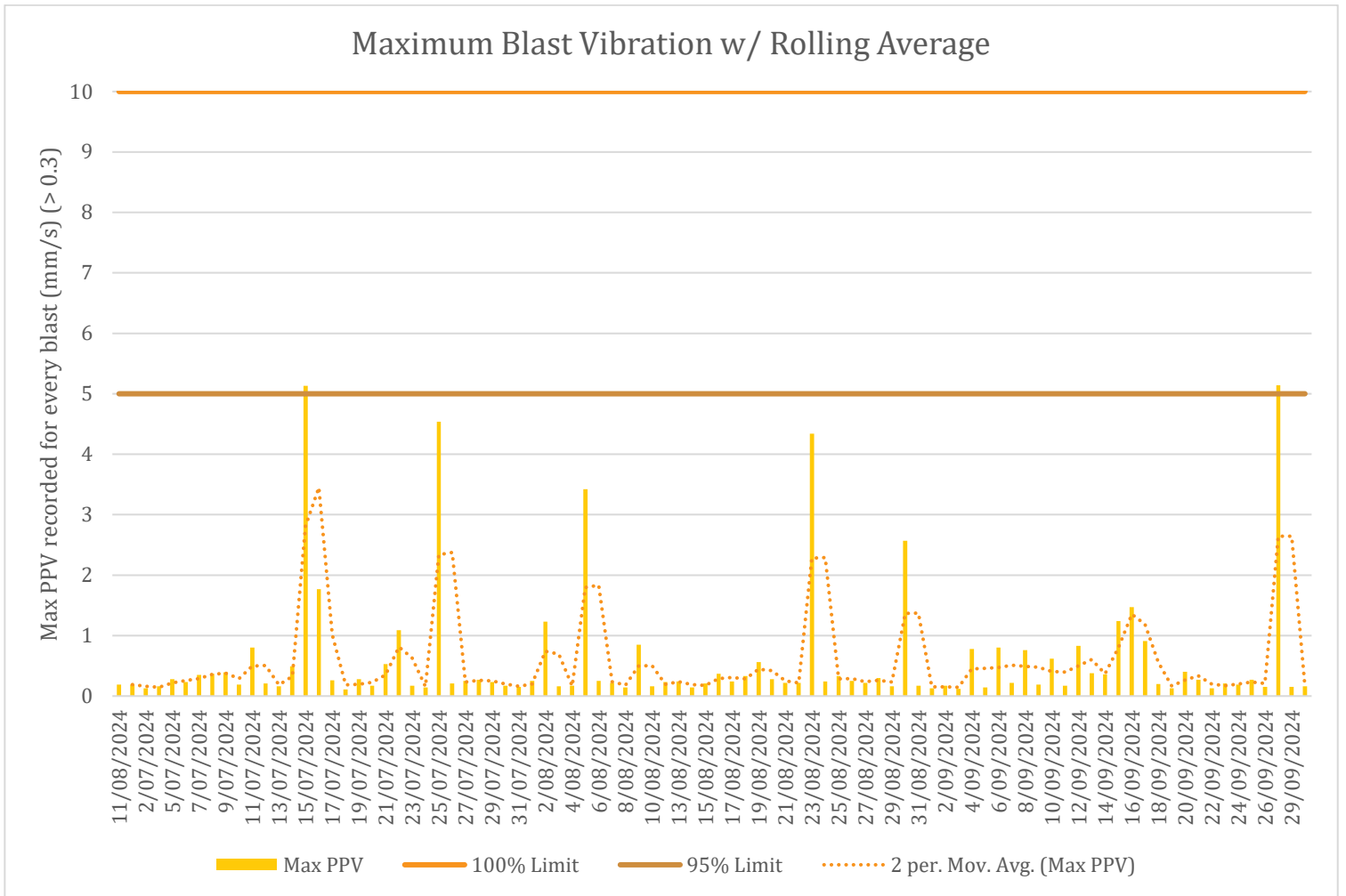


Figure 8 - ALL FIRINGS TREND (MONTHLY MAXIMUM AND APPROX MONTHLY MOVING AVERAGE)

## Surface Water Ballarat East

| Surface Water EPA compliance Limits         |           |      |
|---|-----------|------|
|   | SWL       |      |
|   | Median    | Max  |
| <b>Mean Daily Flow Rate (Annual)</b>        | 2.99 ML   |      |
| <b>Total Arsenic (mg/L)</b>                 | 0.5       | 0.5  |
| <b>Total Copper (mg/L)</b>                  | 0.01      | 0.2  |
| <b>Total Iron (mg/L)</b>                    | 1         | 2    |
| <b>Total Lead (mg/L)</b>                    | 0.02      | 0.1  |
| <b>Total Manganese (mg/L)</b>               | 0.2       | 0.5  |
| <b>Electrical Conductivity (EC) (µS/cm)</b> | 4000      | 4300 |
| <b>Turbidity (NTU)</b>                      | 30        | 80   |
| <b>Total Nitrogen (mg/L)</b>                | 17        | 24   |
| <b>Total Phosphorus (mg/L)</b>              | 2         | 2.4  |
| <b>pH (Minimum – Maximum)</b>               | 6.0 – 9.0 |      |

Table 4 - BALLARAT EAST SURFACE WATER DISCHARGE COMPLIANCE LIMITS

Victory Minerals' surface water discharge point at the Southern Wetland (SWL) consistently met compliance standards according to EPA Discharge Licence conditions, as shown in Table 6.

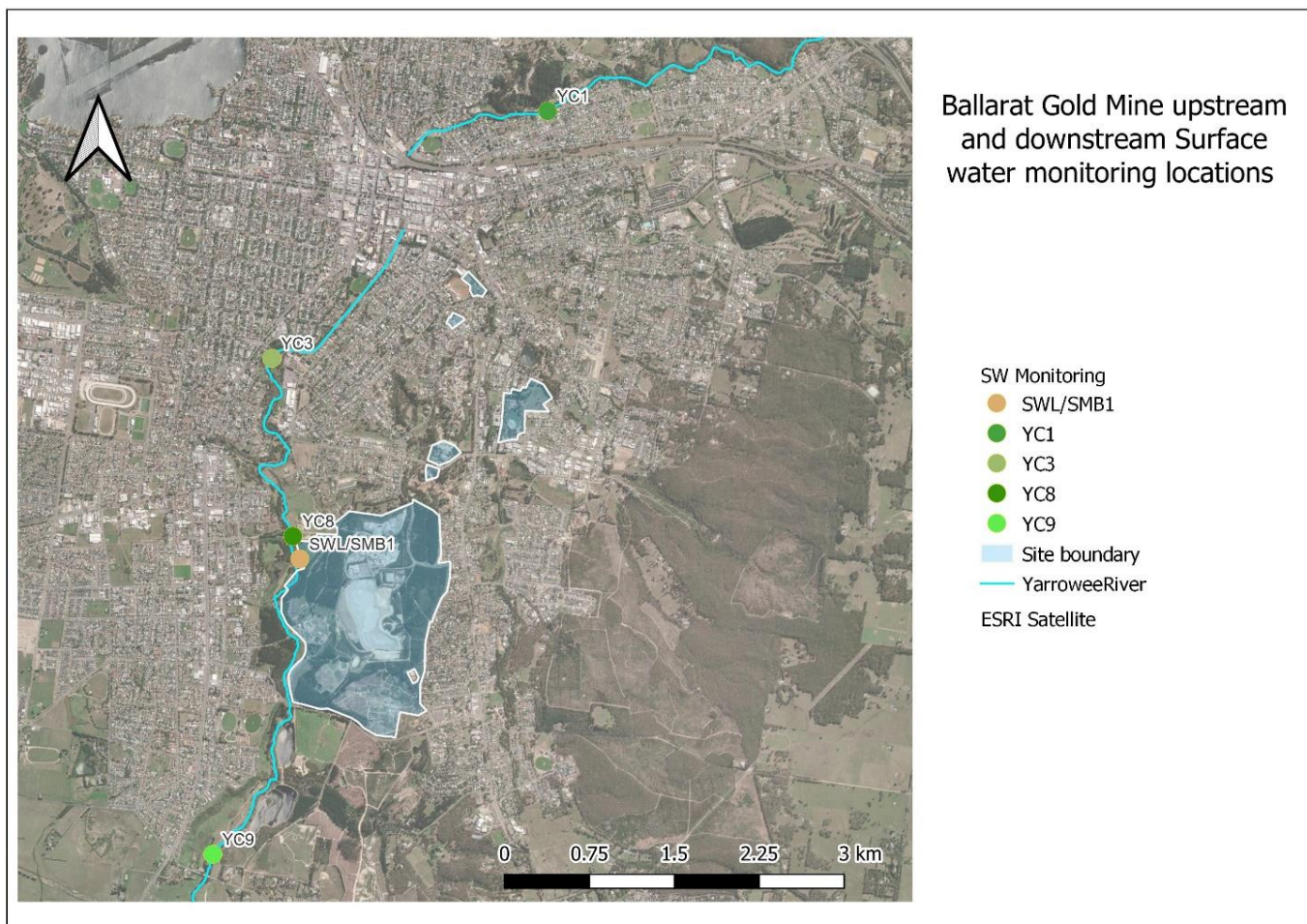
Located on the northwest side of the property (see Figure 9), the SWL maintained an average daily discharge of 1.28 ML per day, totalling 118.38 ML for the quarter. This remains significantly below the EPA licenced discharge limit of 2.9 ML per day.

Surface water testing at various locations along the Yarrowee River system provides essential background water quality information before and after the SWL discharge point. Monitoring points, identified as YC1 (3.5 km upstream), YC3 (1.8 km upstream), YC8 (200 m upstream), and YC9 (2.6 km downstream), ensure comprehensive coverage (see Figure 9 for context). Although these points are not mandated by our license, they are a crucial part of our ongoing water quality monitoring program. This quarter, all Yarrowee points remained within Ballarat Gold Mine's licenced water quality limits for SWL discharge (see Table 6 and Figures 11-20). This initiative highlights our commitment to environmental responsibility and community well-being.

### Surface Water Quality Jul - Sept 2024

| Parameter | Upstream | Upstream | EPA Licence Compliance | Down Stream |
|-----------|----------|----------|------------------------|-------------|
|           | YC3      | YC8      | SWL                    | YC9         |
| ML/Day    |          |          | ✓                      |             |
| As        | ✓        | ✓        | ✓                      | ✓           |
| Cu        | ✓        | ✓        | ✓                      | ✓           |
| Fe        | ✓        | ✓        | ✓                      | ✓           |
| Pb        | ✓        | ✓        | ✓                      | ✓           |
| Mn        | ✓        | ✓        | ✓                      | ✓           |
| NTU       | ✓        | ✓        | ✓                      | ✓           |
| EC        | ✓        | ✓        | ✓                      | ✓           |
| Tot. N    | ✓        | ✓        | ✓                      | ✓           |
| Tot. P    | ✓        | ✓        | ✓                      | ✓           |
| pH        | ✓        | ✓        | ✓                      | ✓           |

Table 5Table 7 - BALLARAT EAST SURFACE WATER QUALITY COMPARED TO ANNUAL LICENCE LIMITS



## Ground Water Ballarat East

Ballarat East Ground water monitoring was undertaken in July 2024. The results for ground water sampling are provided below (Table 7).

|                               | <b>SP1</b> | <b>VMB4R</b> | <b>VMB5</b> | <b>BEB4</b> | <b>BEB6</b> | <b>BEB8</b> | <b>BEB9R</b> | <b>SP3</b> |
|-------------------------------|------------|--------------|-------------|-------------|-------------|-------------|--------------|------------|
| EC                            | 6200       | 4800         | 5900        | 2100        | 3700        | 5000        | 1100         | 3500       |
| As mg/L<br>(Dissolved metals) | <0.002     | 0.17         | 0.022       | 0.0021      | 0.0010      | 0.021       | 0.61         | <0.0010    |
| WAD CN mg/L                   | <.004      | <.004        | <.004       | <.004       | <.004       | <.004       | <.004        | <.004      |

*Table 6 - BALLARAT EAST TSF GROUND WATER FOR QUARTER 2 2024*

## Ground Water Whitehorse Gully Investigation Bores

The groundwater bores within Whitehorse Gully continue to be monitored on a quarterly basis to establish baseline concentrations, prior to the proposed construction of the new TSF4.

## Ballarat South

The programme of Ballarat South ground and surface water monitoring takes place in January and July each year. July 2024 round of testing was conducted 29<sup>th</sup> to 31<sup>st</sup> of July. Results can be seen below (figures 26-33).

### Surface Water Ballarat South

Arsenic levels remain low and stable. pH levels have remained stable. WAD CN continues to return less than laboratory detection limits (0.004 mg/L) at all locations (Fig. 26-29)

### Ground Water Ballarat South

Ground water levels across the four bores are stable. Arsenic (As) levels remained relatively stable at SP5 and SP7. WAD CN returned less than laboratory detection limits (<0.004 mg/L) at all bores. (Fig. 20-34).



All results are within historic range at all groundwater bores. Electrical Conductivity across the monitored bores is again stable for SP5 and VMB9 and within their historic ranges. SP7 recorded lower EC than historical range.

## Community

### Key Statistics

Key Environment and Community statistics for the July-September Quarter 2024 are presented below. A total of 12 Community contacts were made in the third quarter 2024. Which consisted of 10 complaints, 1 enquiry and 1 Proactive community engagement.

|                   | Non-Compliance | Complaints | Feedback/Enquiry | Proactive Community Contact | Monthly total |
|-------------------|----------------|------------|------------------|-----------------------------|---------------|
| Jan-Mar 2024      | 0              | 6          | 2                | 0                           | 8             |
| Apr-Jun 2024      | 0              | 4          | 2                | 1                           | 7             |
| Jul-Sept 2024     | 1              | 9          | 2                | 1                           | 12            |
| <b>Total 2024</b> | <b>0</b>       | <b>20</b>  | <b>5</b>         | <b>2</b>                    |               |

Table 7- ENVIRONMENT AND COMMUNITY CONTACTS

### Noncompliance's

One noncompliance occurred for the July-Sept 2024 quarter. The regulator was notified at approximately 6pm July 24<sup>th</sup> that Victory Minerals (VM) would be blasting later than usual and planned to conduct it at 10pm, due to holdups and a fault in equipment it was not triggered until 1am on July 25<sup>th</sup>, 202. It registered greater than the limit of 3ppv for blasts conducted after 10pm. There were significant extenuating safety circumstances that required the blast was completed, and VM now understand the geological factors which caused the residual effects at surface to be higher than predicted. VM are working through the issue with regulator and the outcome and subsequent sanction will be handed down by the during the next quarter.

### Other Incidents

Nil

### Community Engagement, Feedback and Complaints.

During this quarter, we received several community contacts primarily related to concerns about vibrations from blasting operations. Among these, a few specific incidents led residents to report vibrations in their homes, with concerns around both the timing and intensity of the blasts.

We acknowledge the disruption the non-compliance reported above has caused and VM will always apply our best endeavours to comply with our license conditions and we continue to minimise our impact on the community as much as is reasonably practicable. All community concerns were reviewed by our Environment & Community team during the quarter, and where applicable contact made with the complainant to help them with their concerns.

### Financial and In-kind Support

While no additional donations have been made this quarter, Victory Minerals did however complete several cleanups around the vicinity of the mine. Employee's from across the business gathered along Britain Street to help. In total six large skips full of illegally dumped rubbish have been cleaned up.

## Local Employment

As of 30 September 2024, Ballarat Gold mine employed approximately 182 locally based residents, representing 90.11% of our workforce.

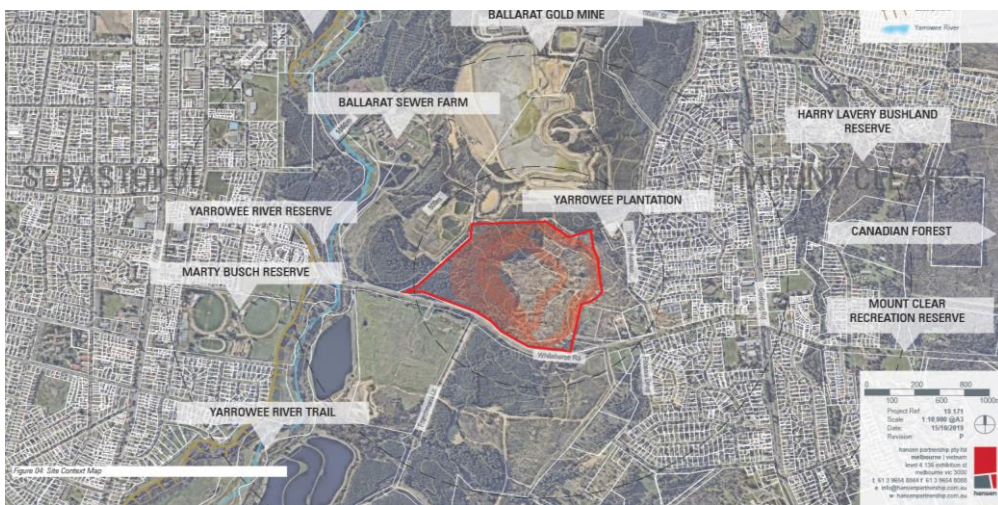
## Challenges and Projects

### Whitehorse Gully TSF Work Plan (TSF4)

#### Project background

The conceptual Whitehorse Gully TSF Work Plan Variation (WPV) was endorsed by Earth Resources Regulation and submitted to the City of Ballarat on August 26, 2022. Victory Minerals has continued to work on the TSF4 project this quarter. The TSF4 facility represents the most practical approach for ensuring safe, environmentally friendly, and cost-efficient gold production at the Ballarat site. During the quarter the VCAT tribunal handed down their decision and chose to uphold Ballarat City Councils decision to grant a permit for the facility.

#### *Location of Tailings storage facility in Whitehorse Gully*



*Figure 9 - Location of proposed tailings storage facility in Whitehorse Gully*

# Appendix 1- Environmental Monitoring Data

## Environmental Monitoring Results

### Surface Water Quality - Ballarat East

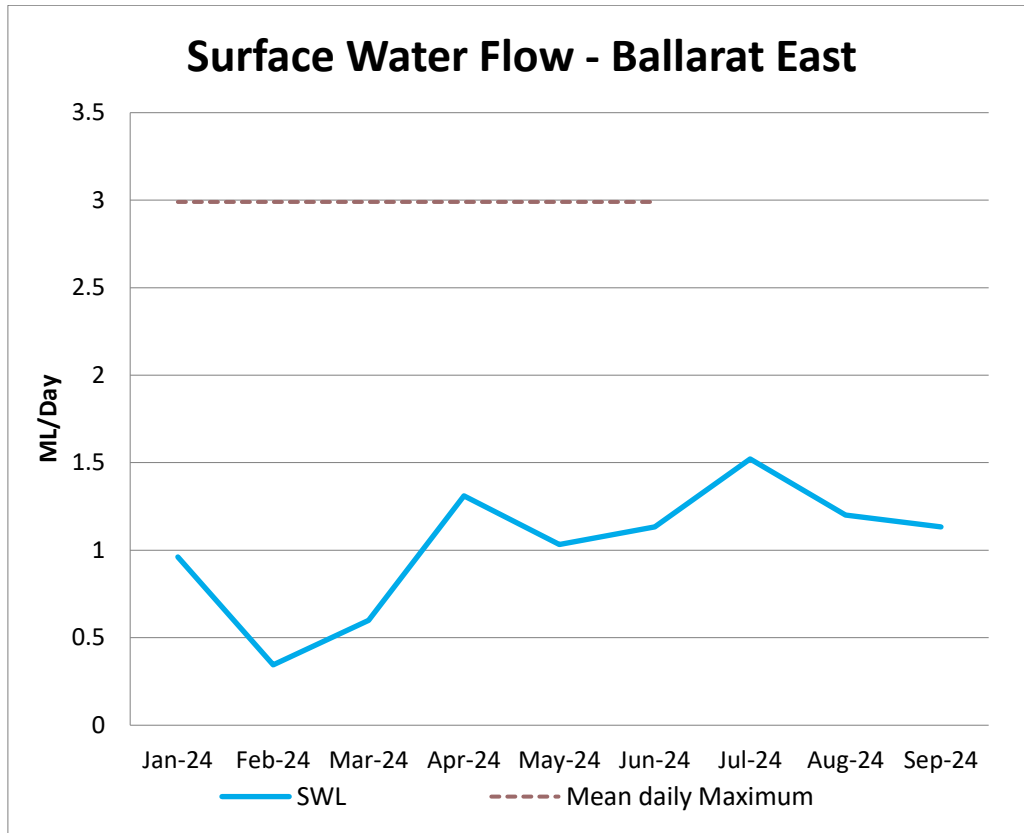


Figure 10 - FLOW RATE SWL EPA DISCHARGE POINT

## Surface Water As - Ballarat East

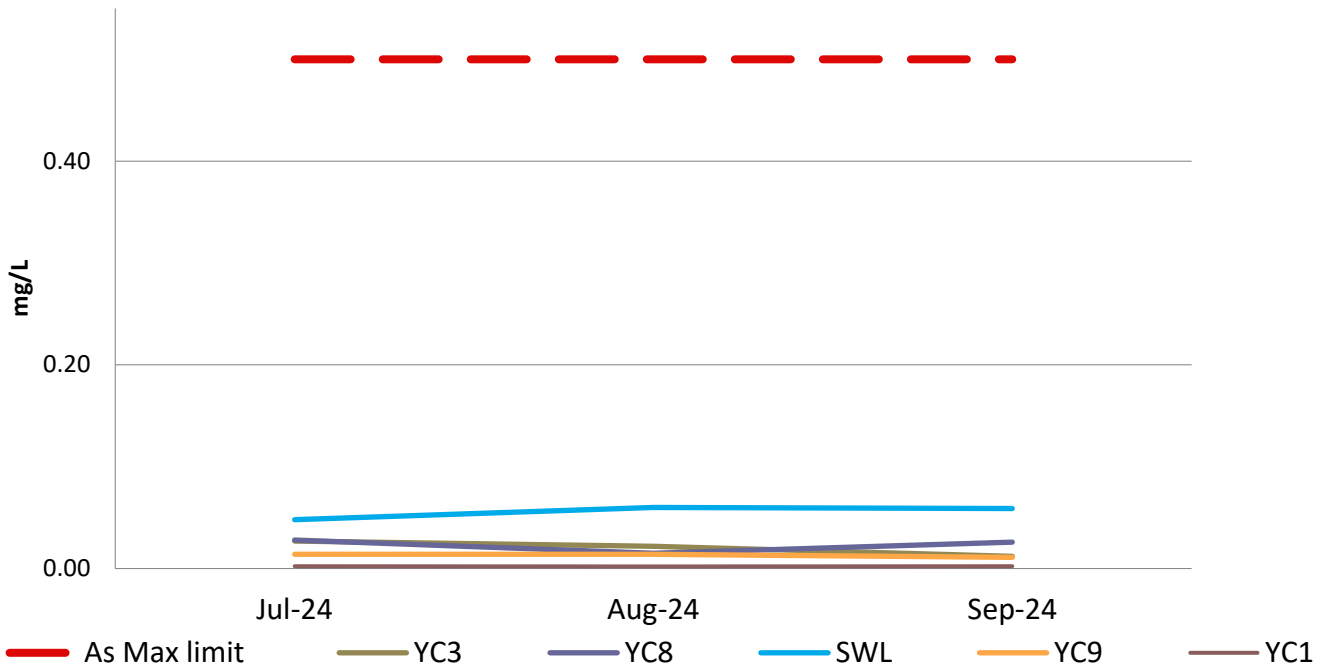


Figure 11 - Arsenic at YC3 & YC8 (upstream), SWL (discharge point) and YC9 (end of mixing zone).

## Surface Water Cu - Ballarat East

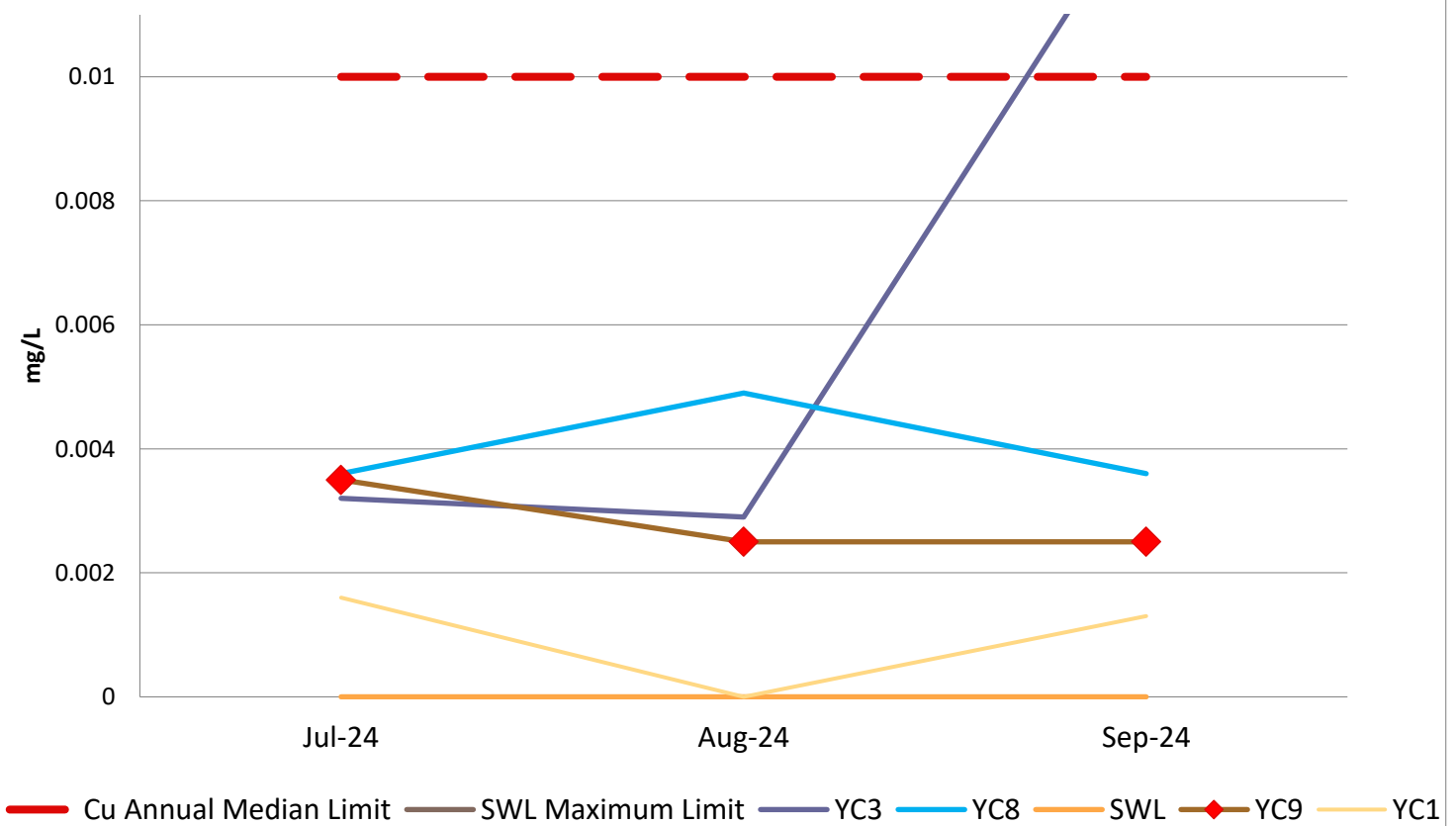


Figure 12 - COPPER AT YC3 & YC8 (UPSTREAM), SWL (DISCHARGE POINT) AND YC9 (END OF MIXING ZONE)

# Surface Water Fe - Ballarat East

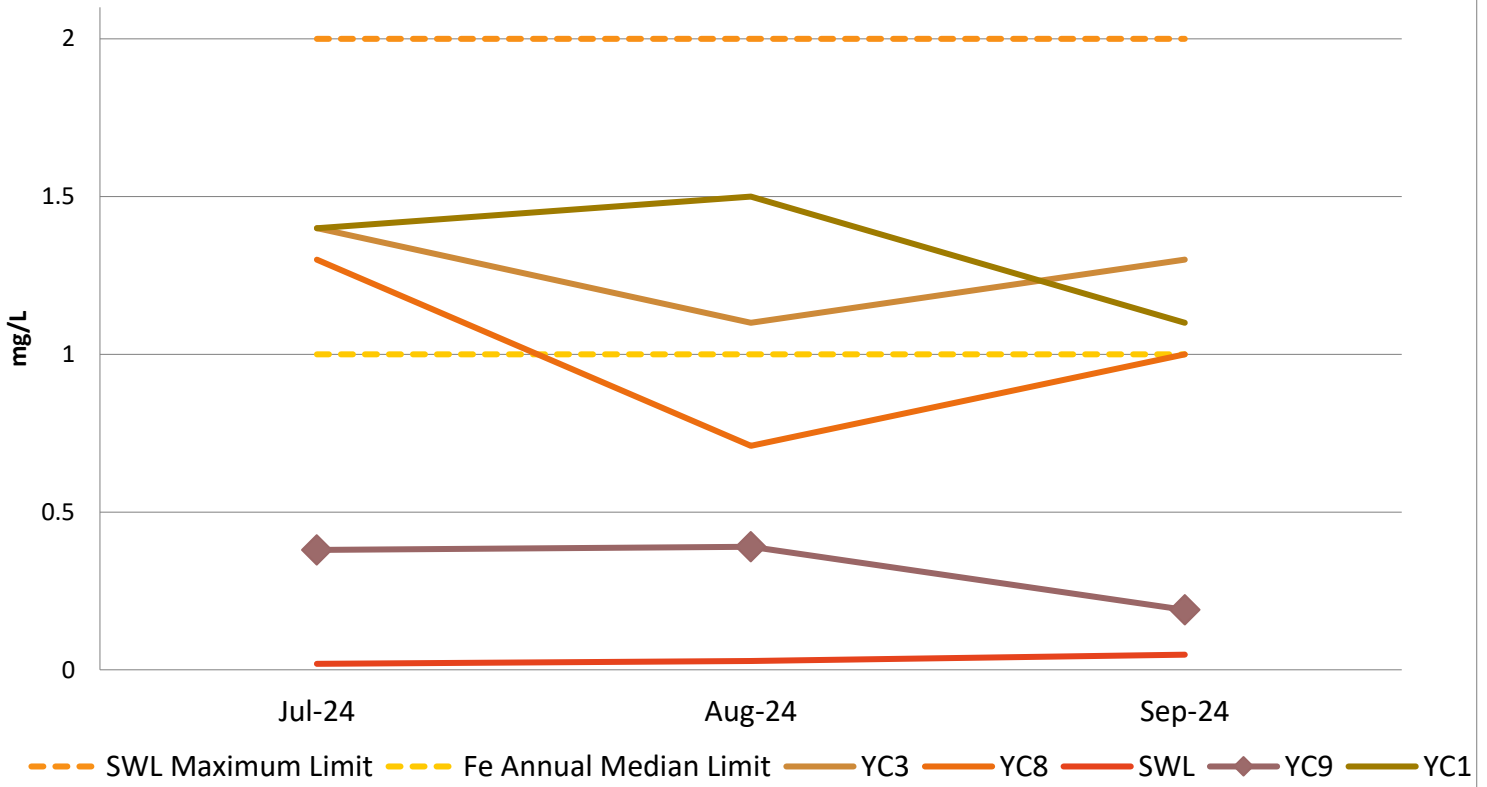


Figure 13 - IRON AT YC3 & YC8 (UPSTREAM), SWL (DISCHARGE POINT) AND YC9 (END OF MIXING ZONE)

### Surface Water Pb - Ballarat East

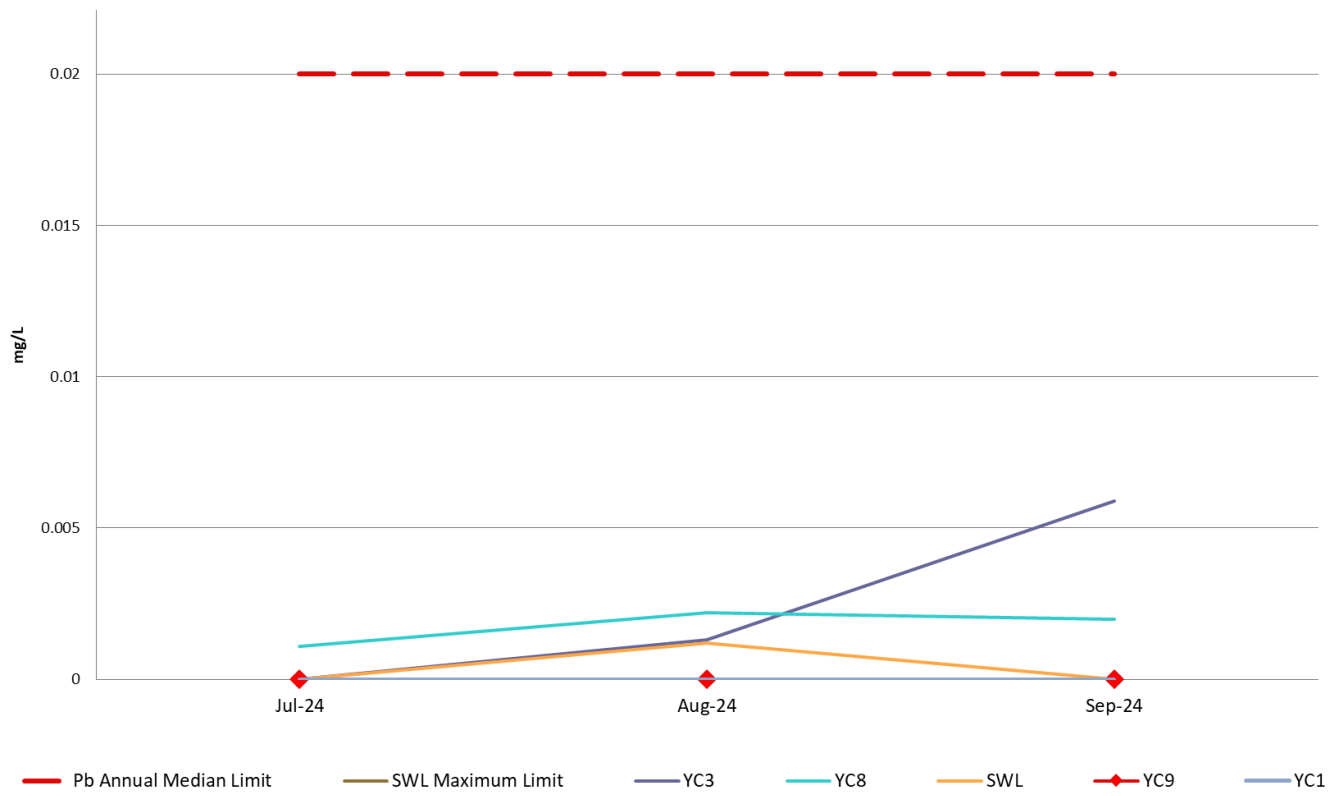


Figure 14 - LEAD AT YC3 & YC8 (UPSTREAM), SWL (DISCHARGE POINT) AND YC9 (END OF MIXING ZONE)

# Surface Water Mn - Ballarat East

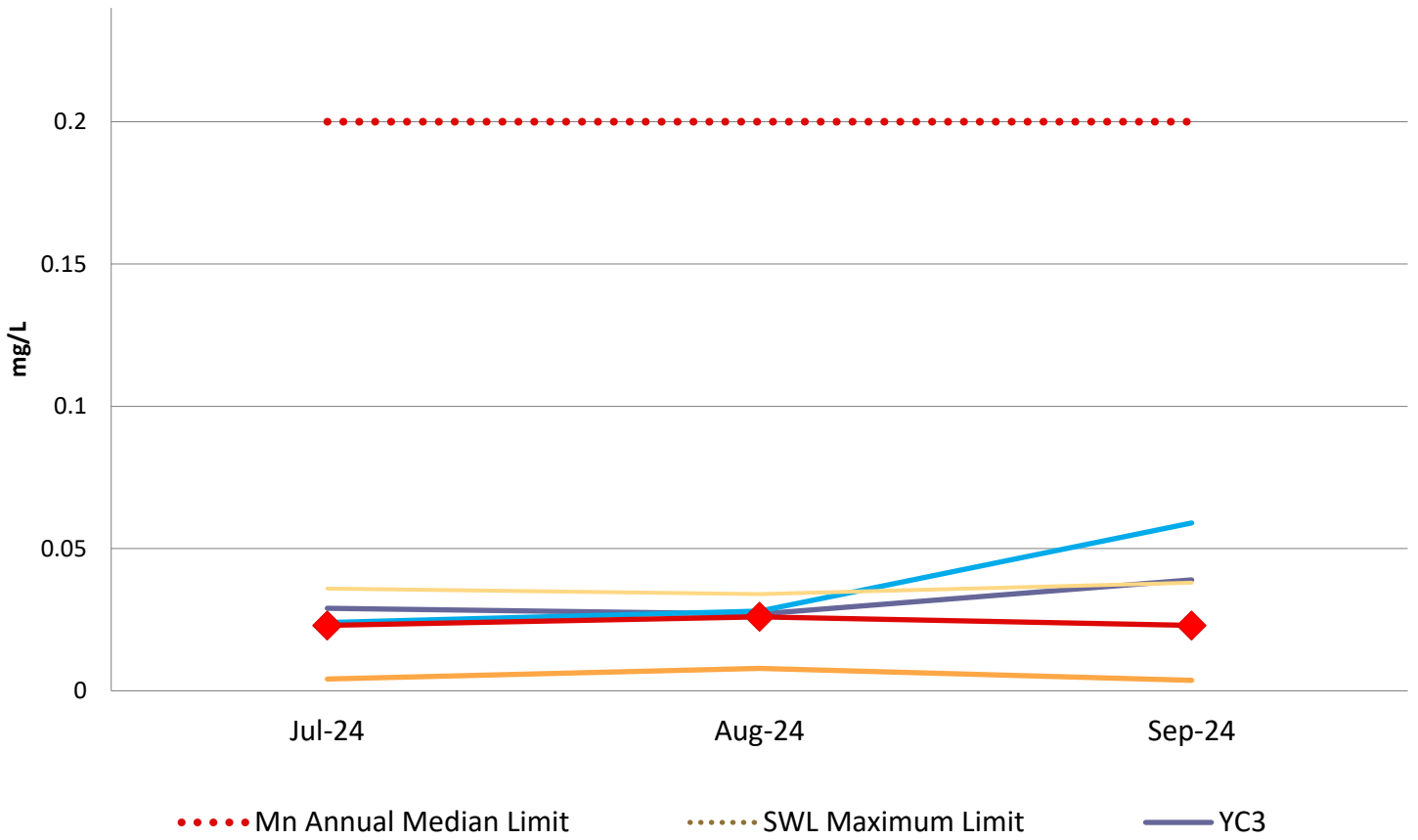


Figure 15 - MANGANESE AT YC3 & YC8 (UPSTREAM), SWL (DISCHARGE POINT) AND YC9 (END OF MIXING ZONE)

## Surface Water Turbidity (NTU) - Ballarat East

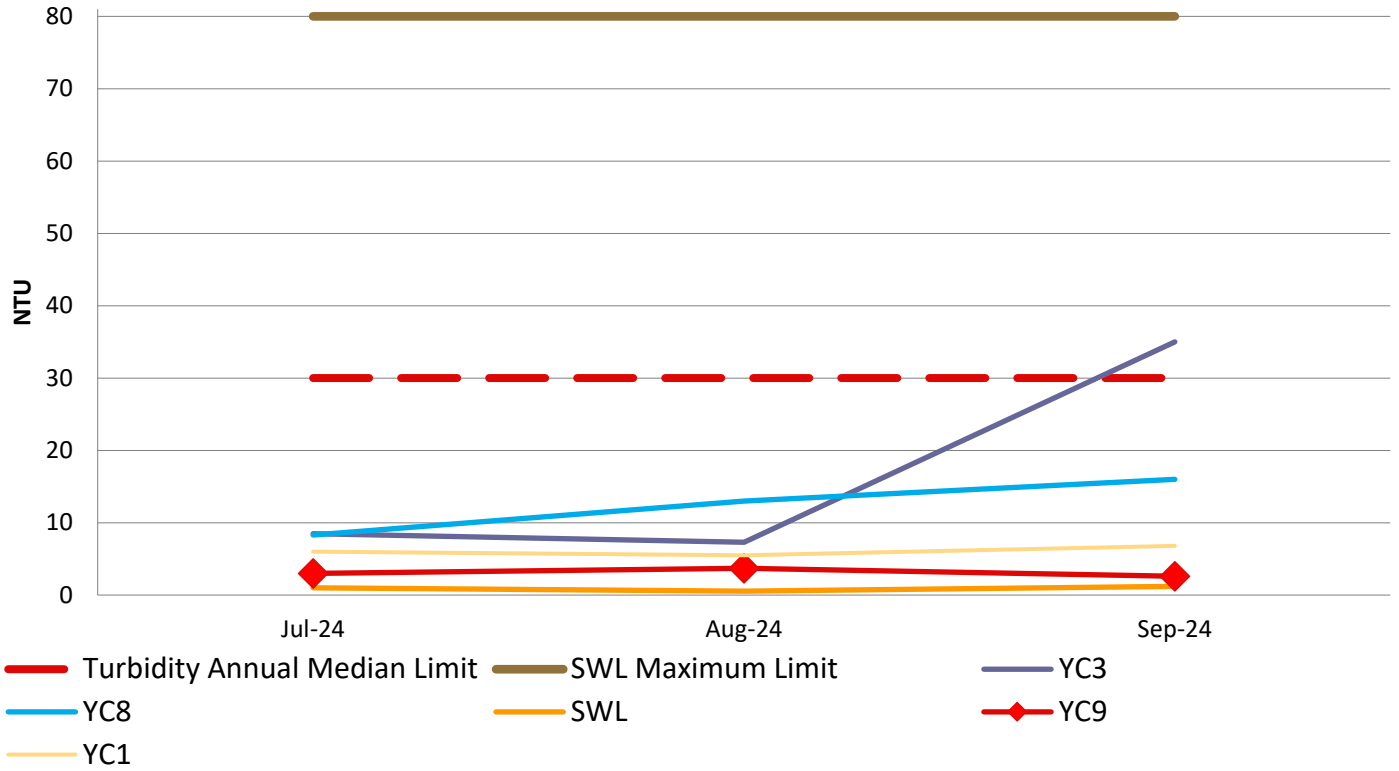


Figure 16 - TURBIDITY AT YC8 (UPSTREAM), SWL (DISCHARGE POINT) AND YC9 (END OF MIXING ZONE)

## Surface Water EC - Ballarat East

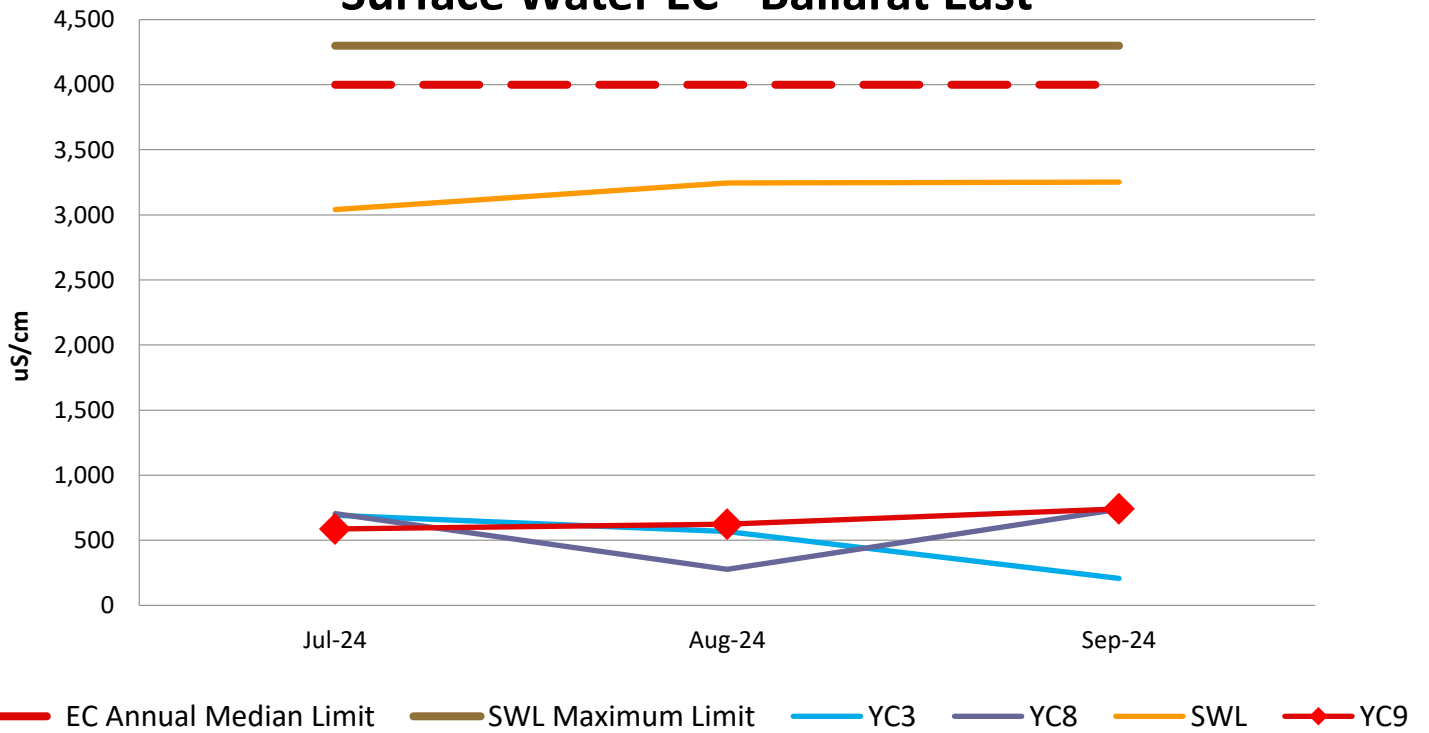


Figure 17 - Electrical Conductivity at YC8 (upstream), SWL (discharge point) and YC9 (end of mixing zone)



## Surface Water Total N - Ballarat East

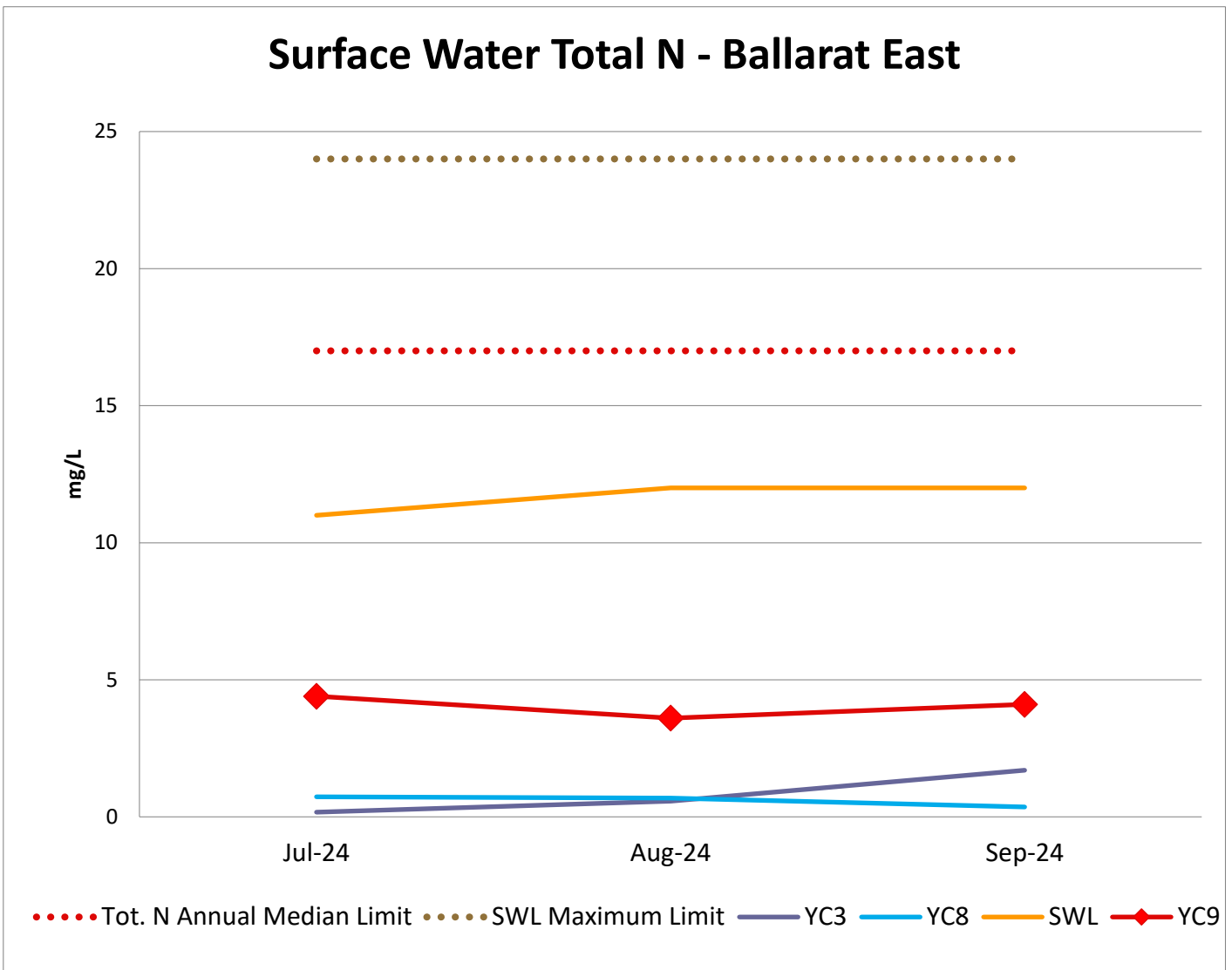


Figure 18 - NITROGEN AT YC8 (UPSTREAM), SWL (DISCHARGE POINT) AND YC9 (END OF MIXING ZONE)

## Surface Water Total P - Ballarat East

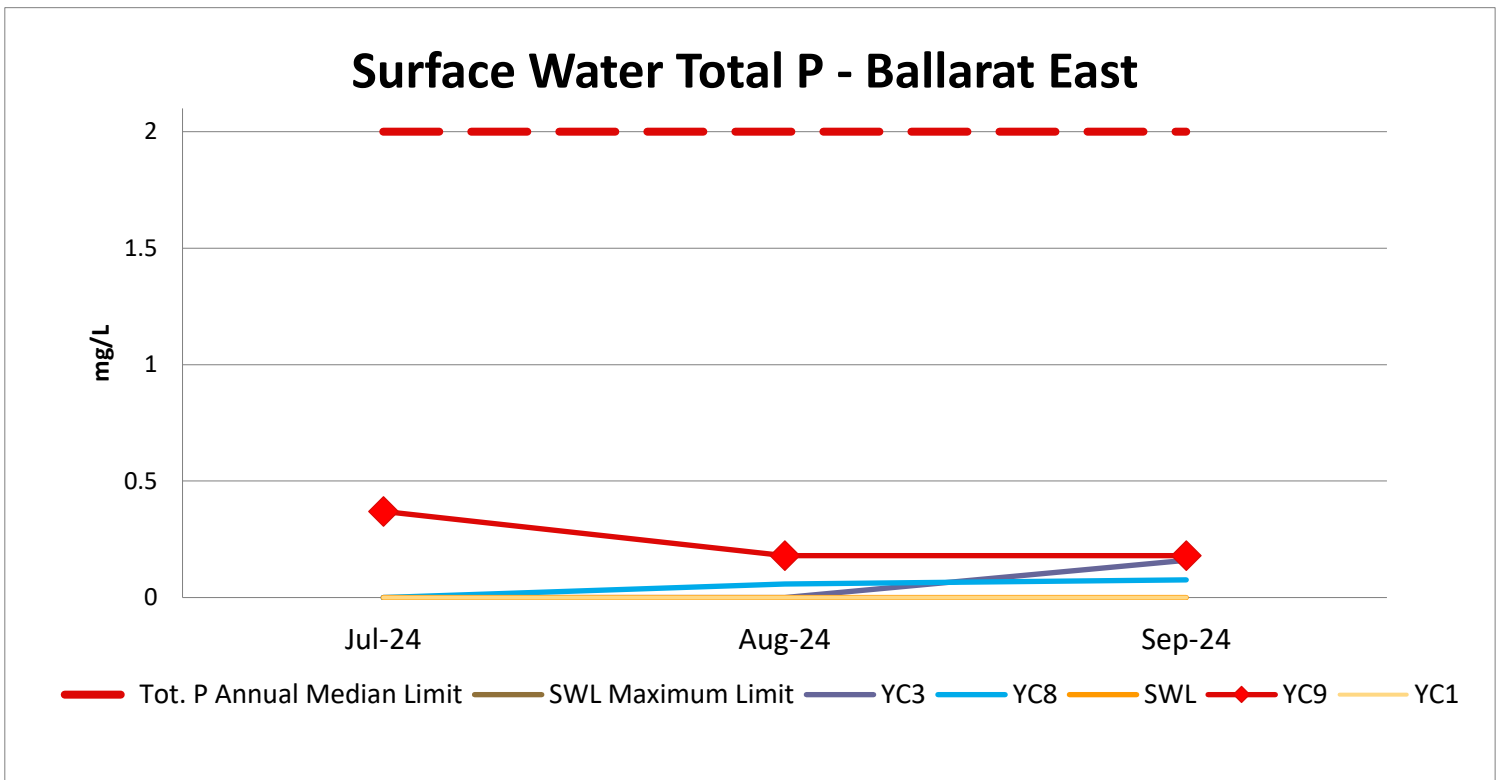
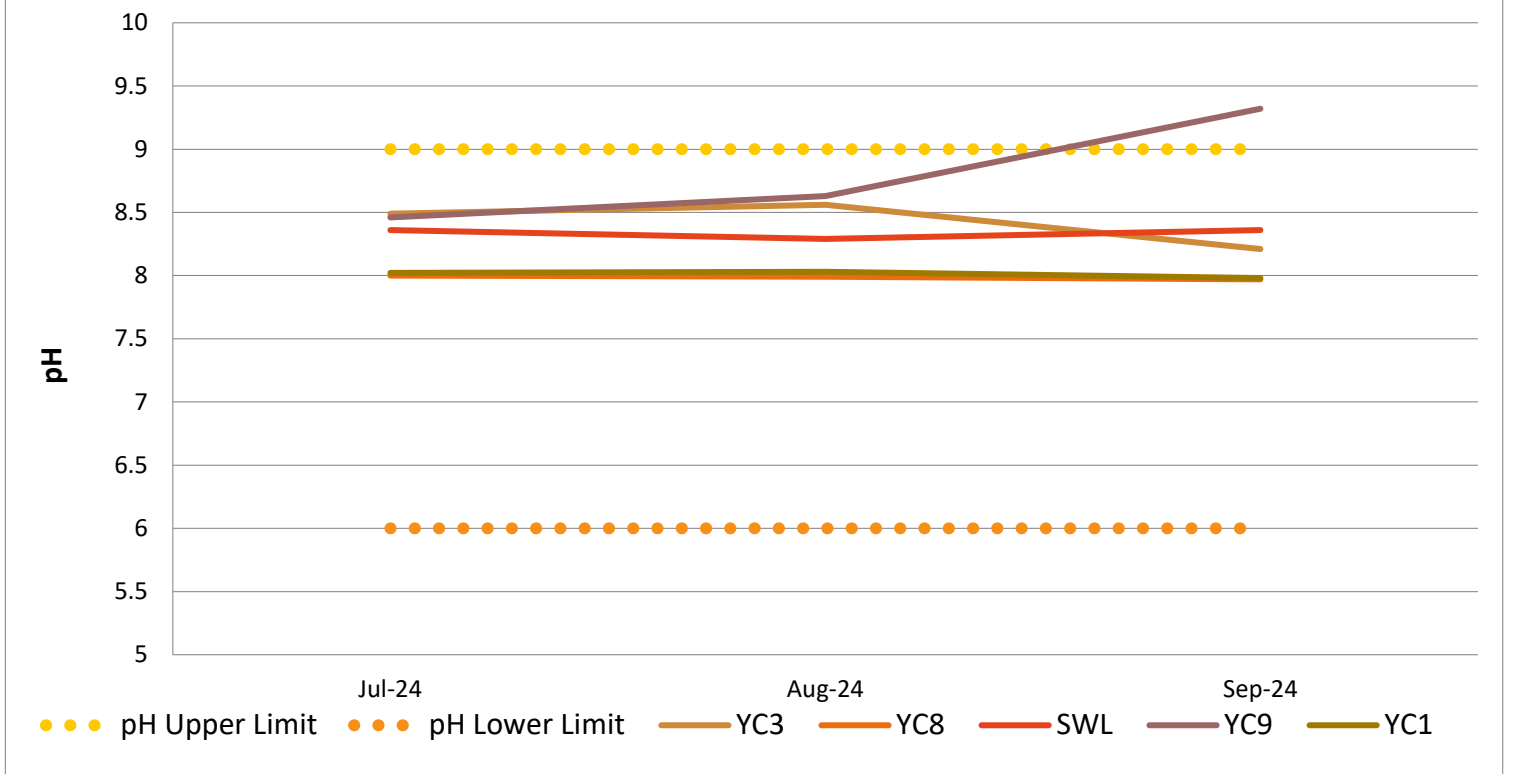


Figure 19 - PHOSPHORUS AT YC8 (UPSTREAM), SWL (DISCHARGE POINT) AND YC9 (END OF MIXING ZONE)

## Surface Water pH - Ballarat East



*Figure 20 - PH AT YC8 (UPSTREAM), SWL (DISCHARGE POINT) AND YC9 (END OF MIXING ZONE)*

# Groundwater pH - Ballarat East

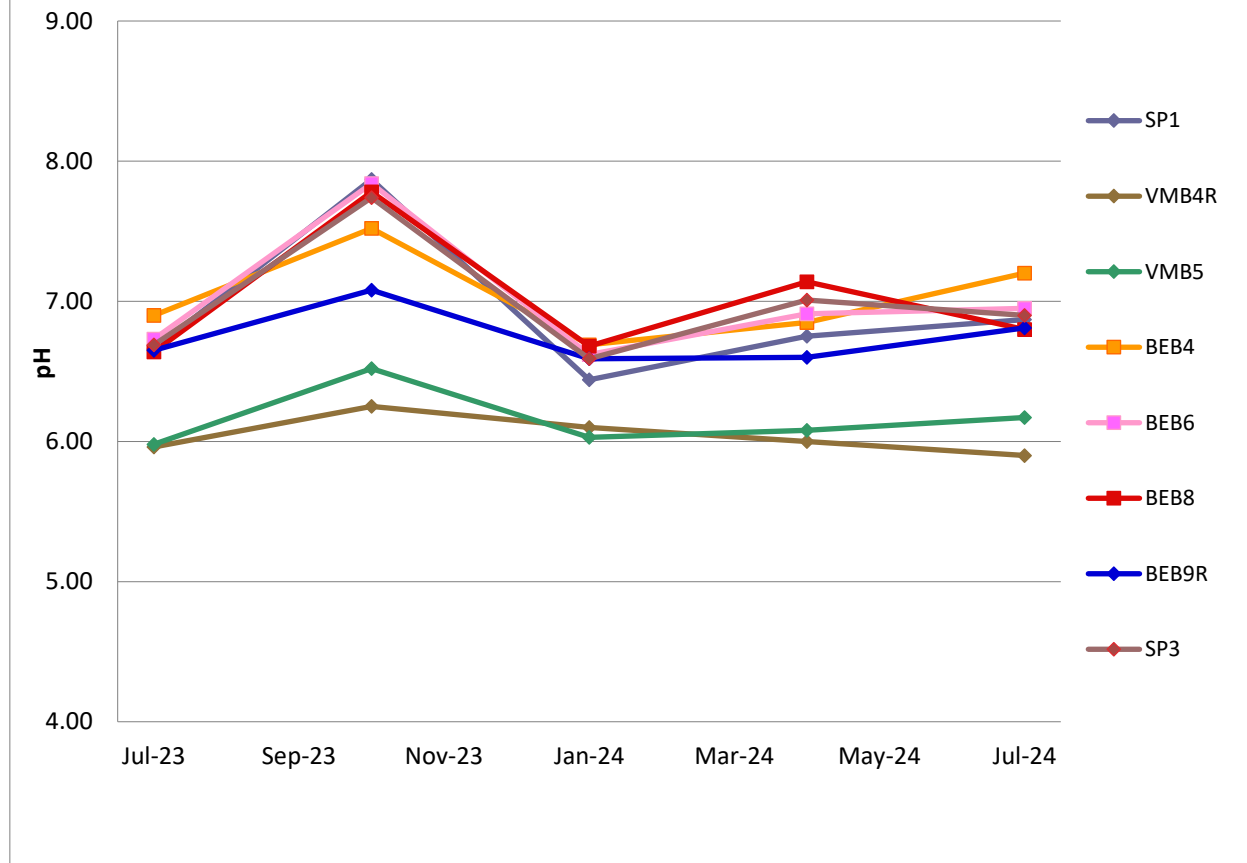
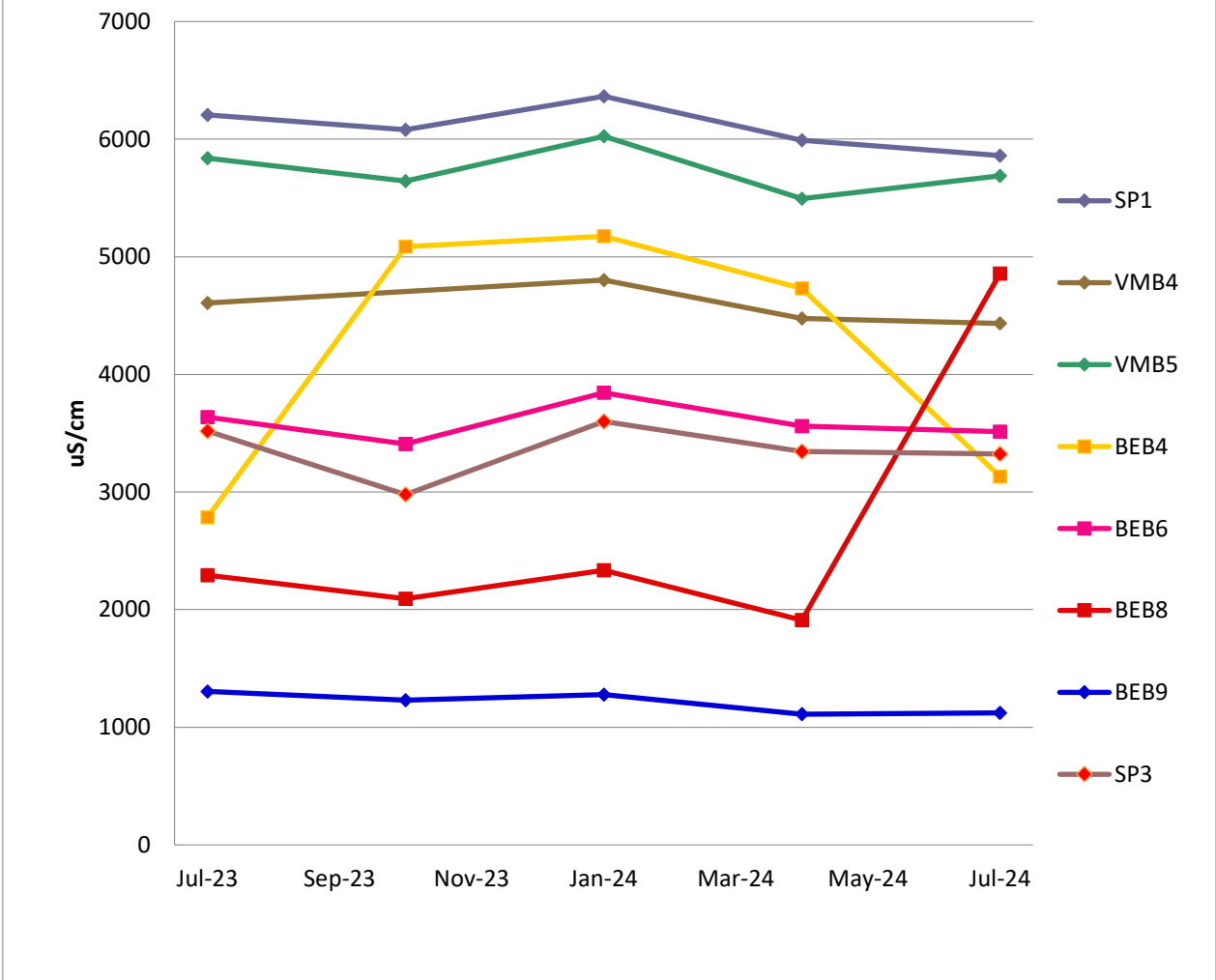


Figure 21 - BALLARAT EAST GW PH

## Groundwater EC - Ballarat East



*Figure 22 - BALLARAT EAST GW EC*

# Groundwater Dissolved As - Ballarat East

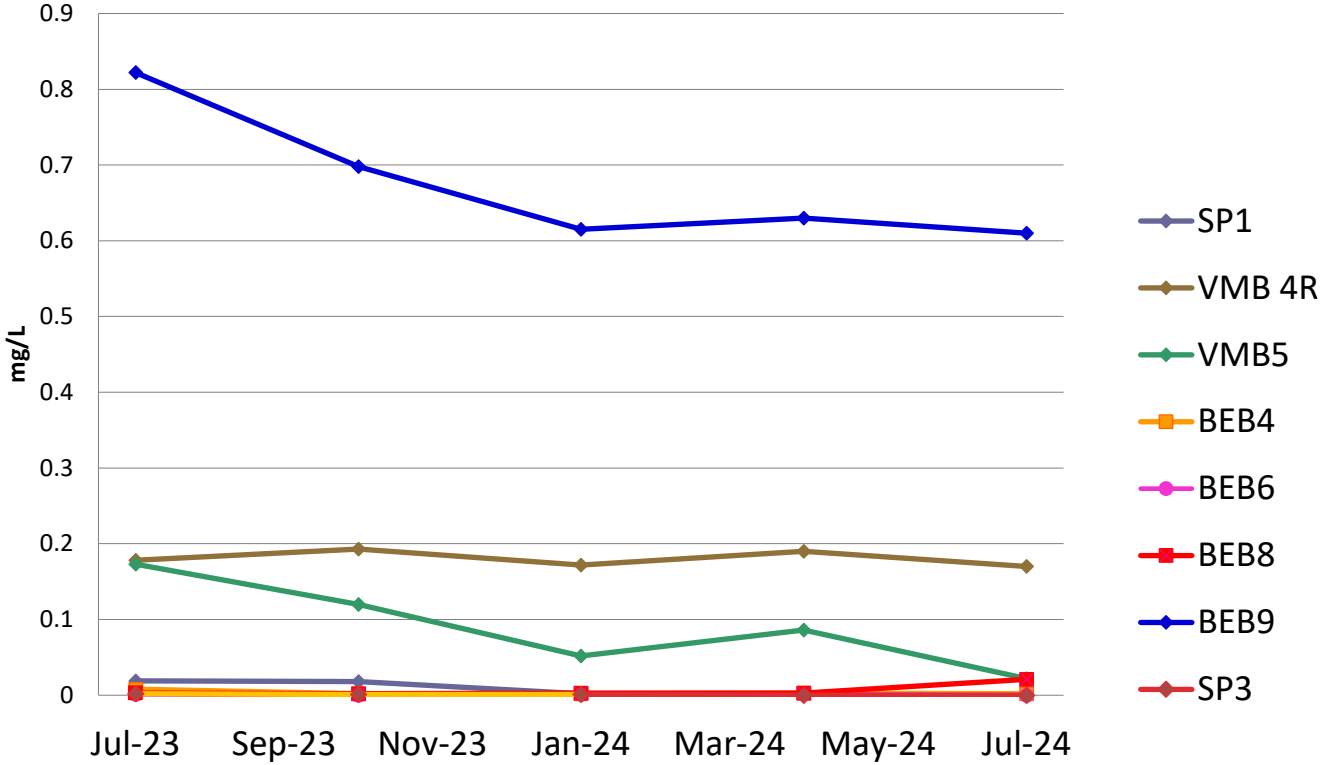
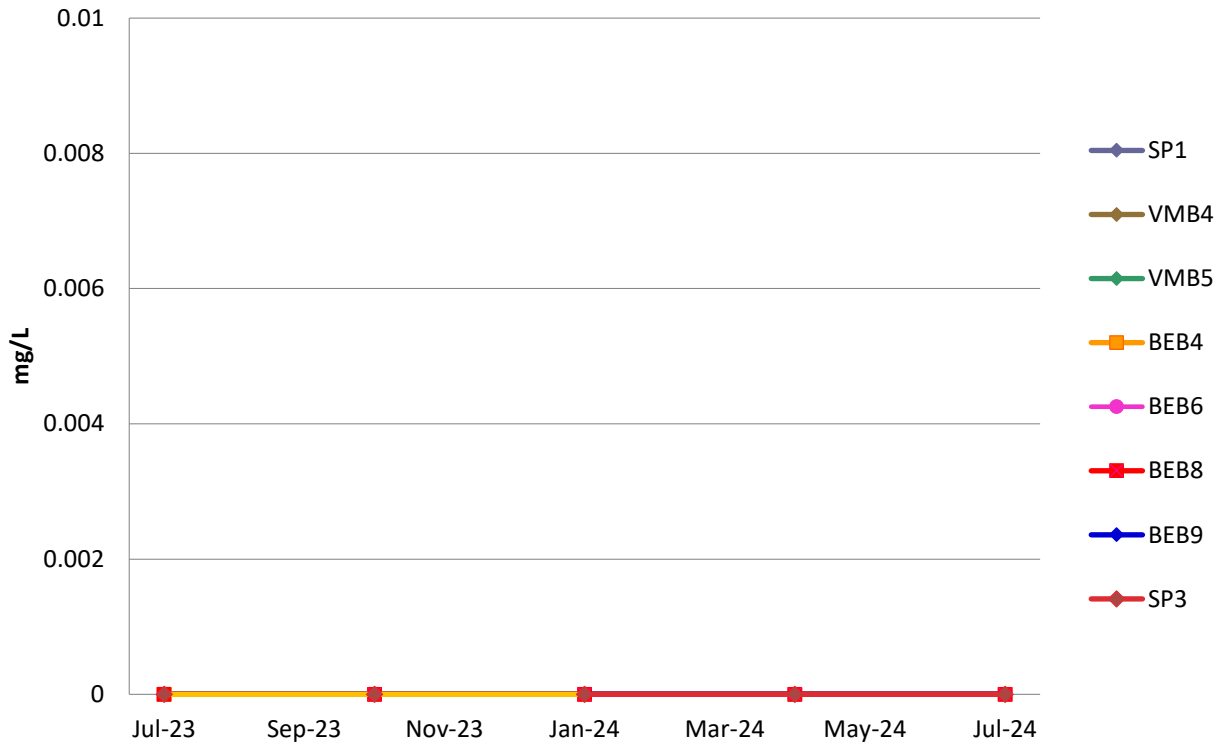


Figure 23 - BALLARAT EAST GW DISSOLVED AS LEVELS

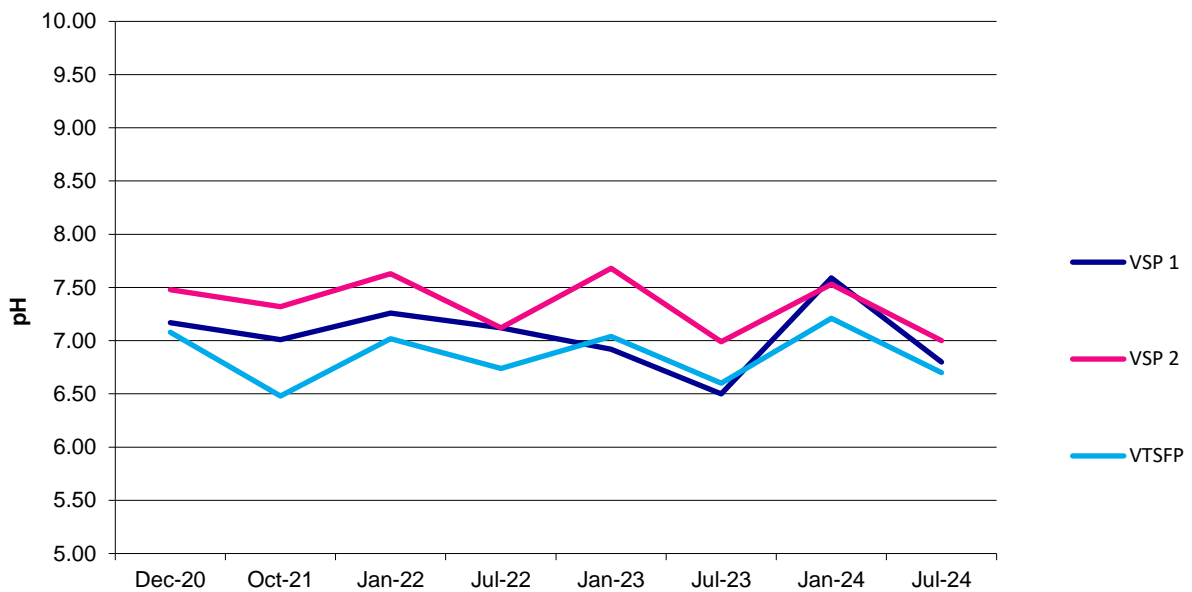
## Groundwater WAD CN - Ballarat East



*Figure 24 - BALLARAT EAST GW WAD CN LEVELS*

## Surface and Ground Water Quality - Ballarat South

### Surface Water pH - Ballarat South



*Figure 25 - BALLARAT SOUTH SW PH*

## Surface Water EC - Ballarat South

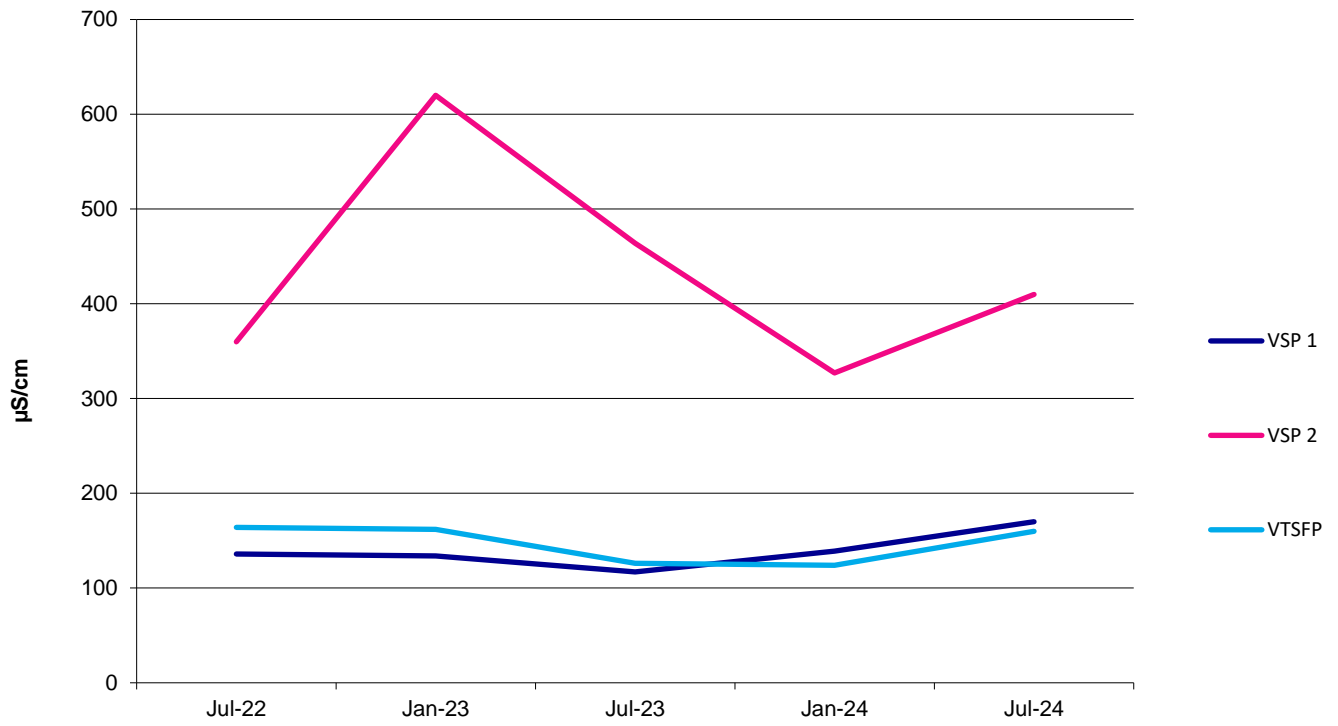


Figure 26 - BALLARAT SOUTH SW EC

# Surface Water As - Ballarat South

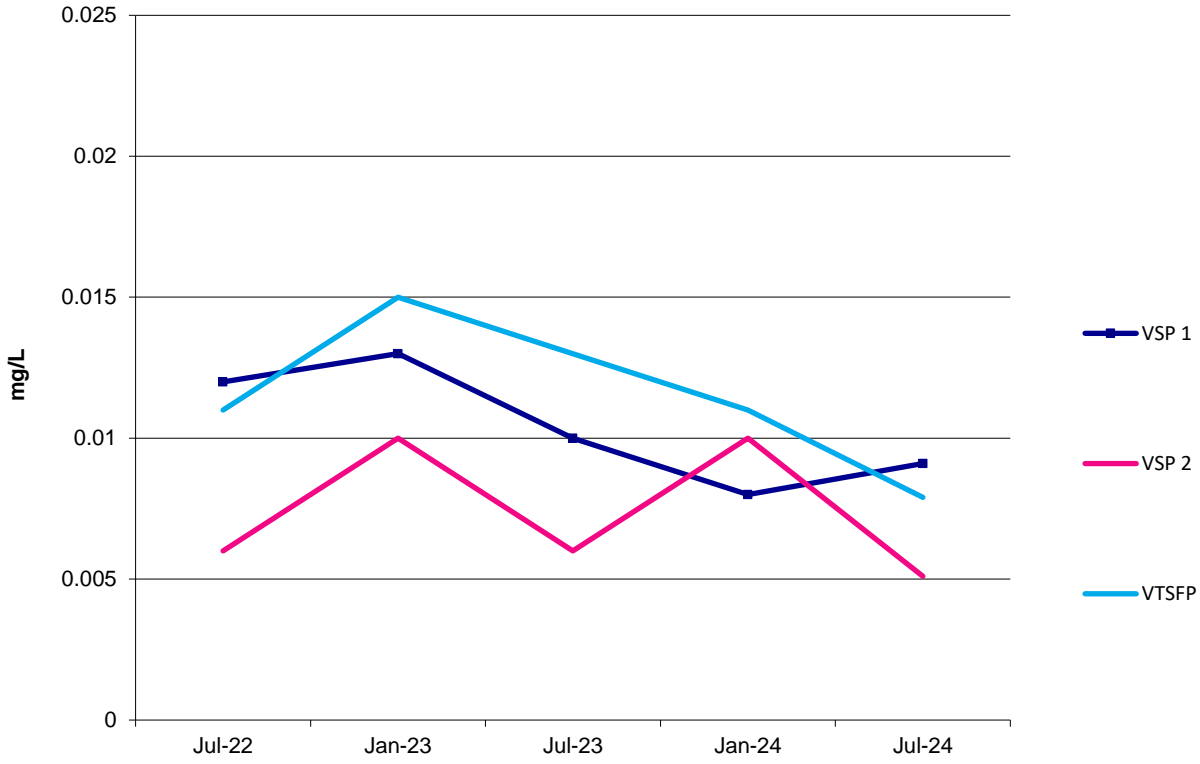


Figure 27 - BALLARAT SOUTH SW DISSOLVED ARSENIC LEVELS



## Surface Water WAD Cyanide - Ballarat South

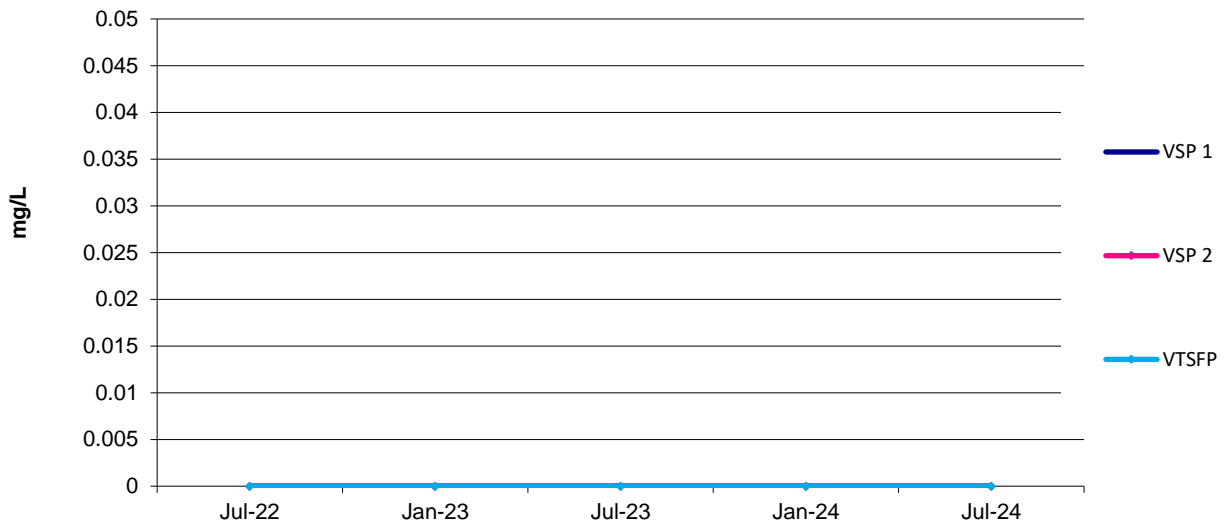


Figure 28 - BALLARAT SOUTH SW WAD CYANIDE LEVELS

## Groundwater EC - Ballarat South

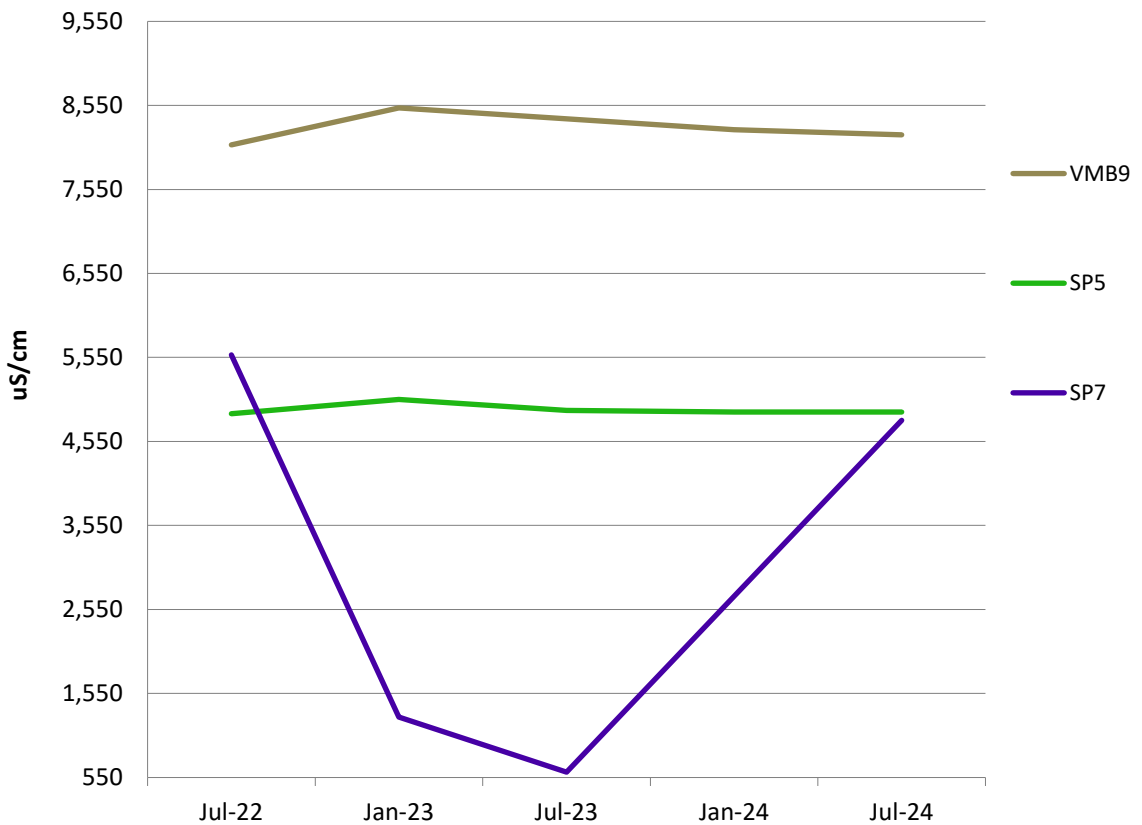
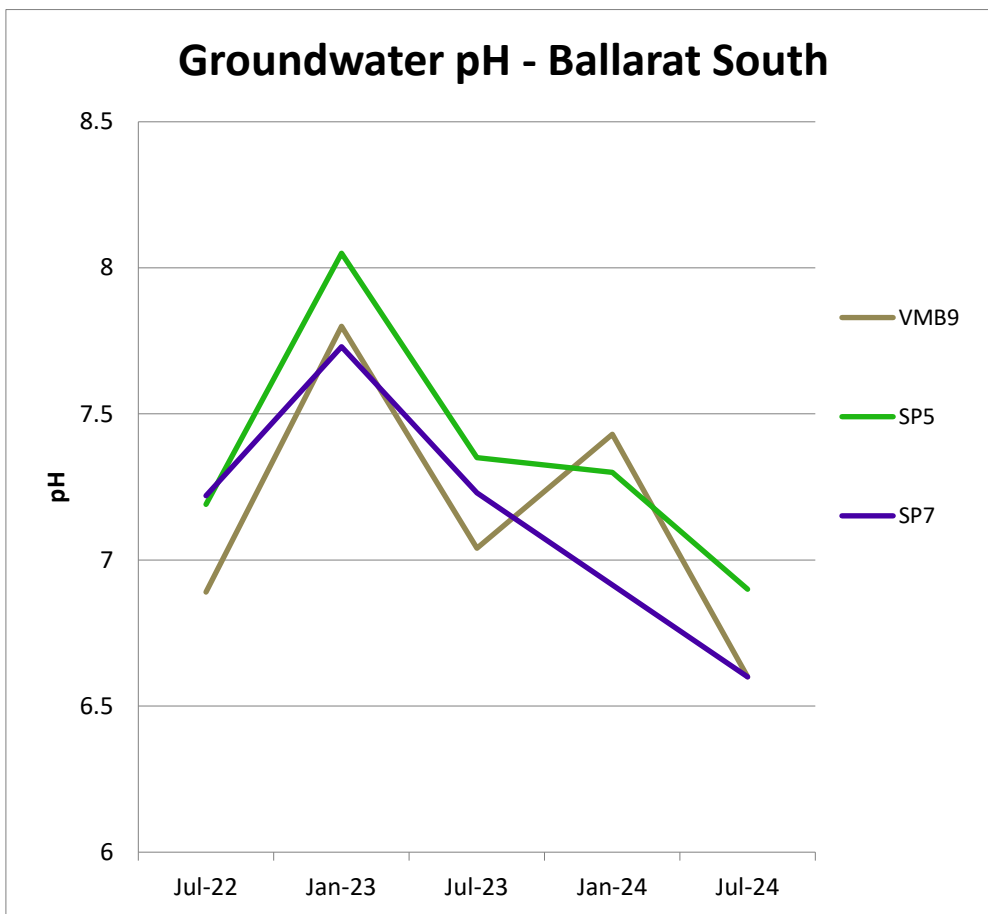
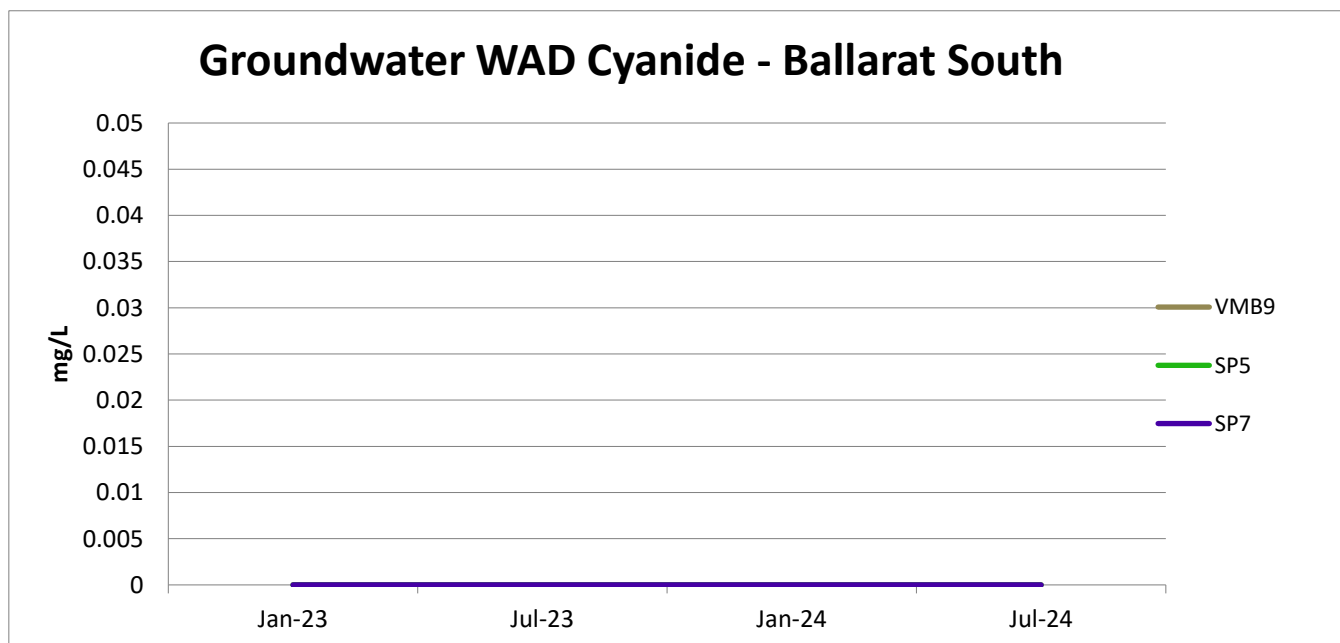


Figure 29 - BALLARAT SOUTH GW EC



*Figure 30 - BALLARAT SOUTH GW PH*



*Figure 31 - Ballarat South GW WAD Cyanide*

## Groundwater Dissolved As - Ballarat South

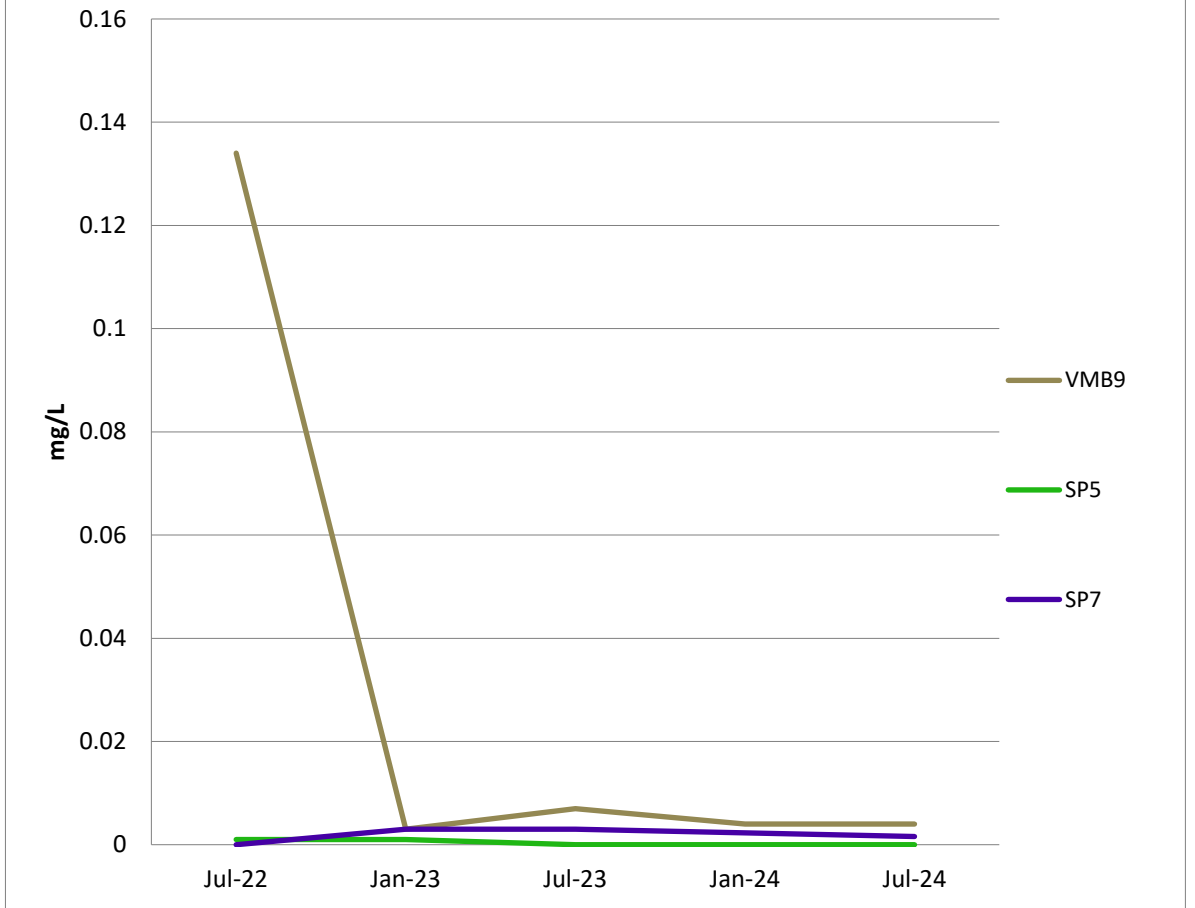


Figure 32 - BALLARAT SOUTH GW DISSOLVED AS

Ground Water Levels - Ballarat East

# Ground Water Levels Ballarat East

September 2020 - July 2024

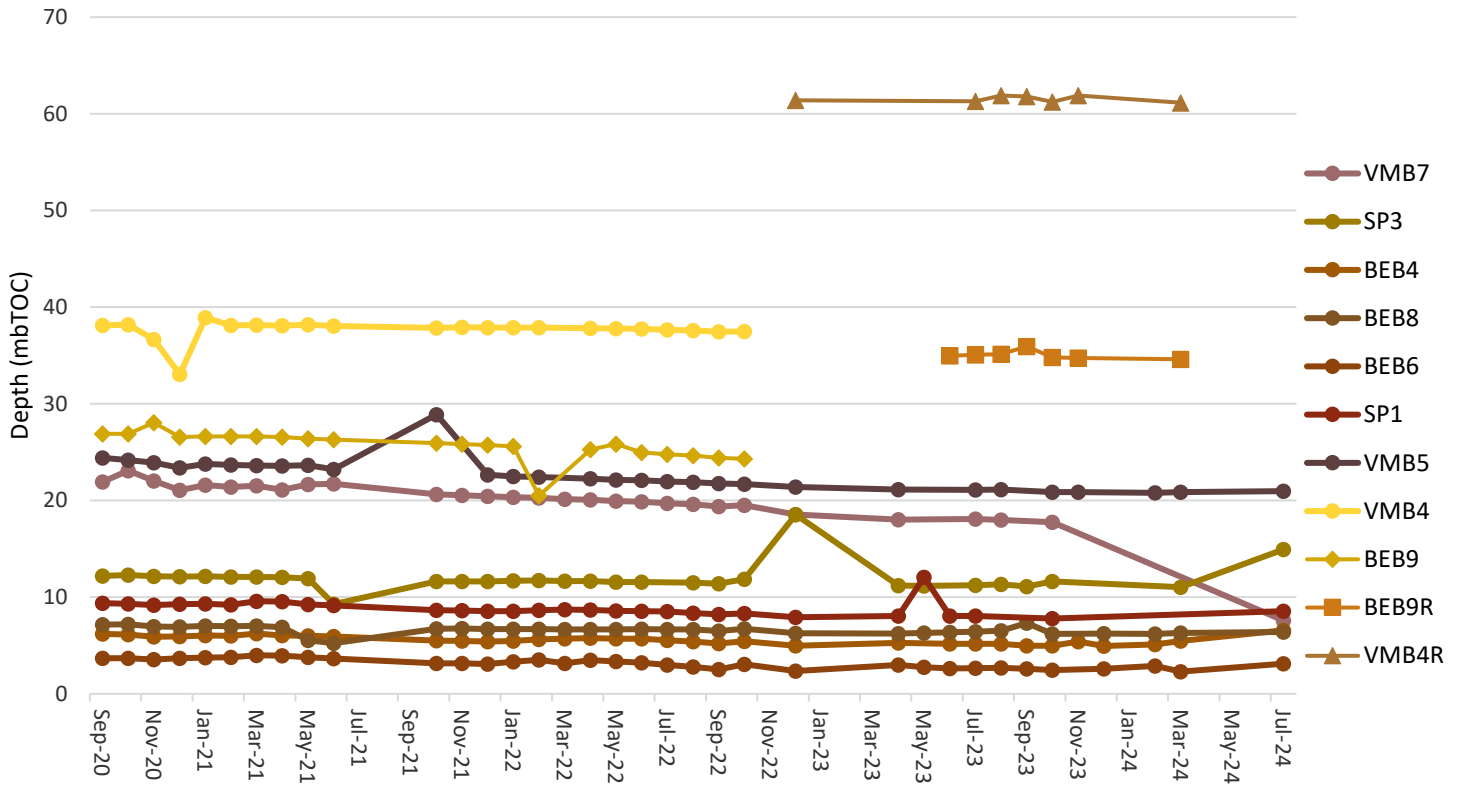


Figure 33 - Ground water levels Ballarat East

# Ground Water Levels TSF 4 Area

September 2020 - July 2024

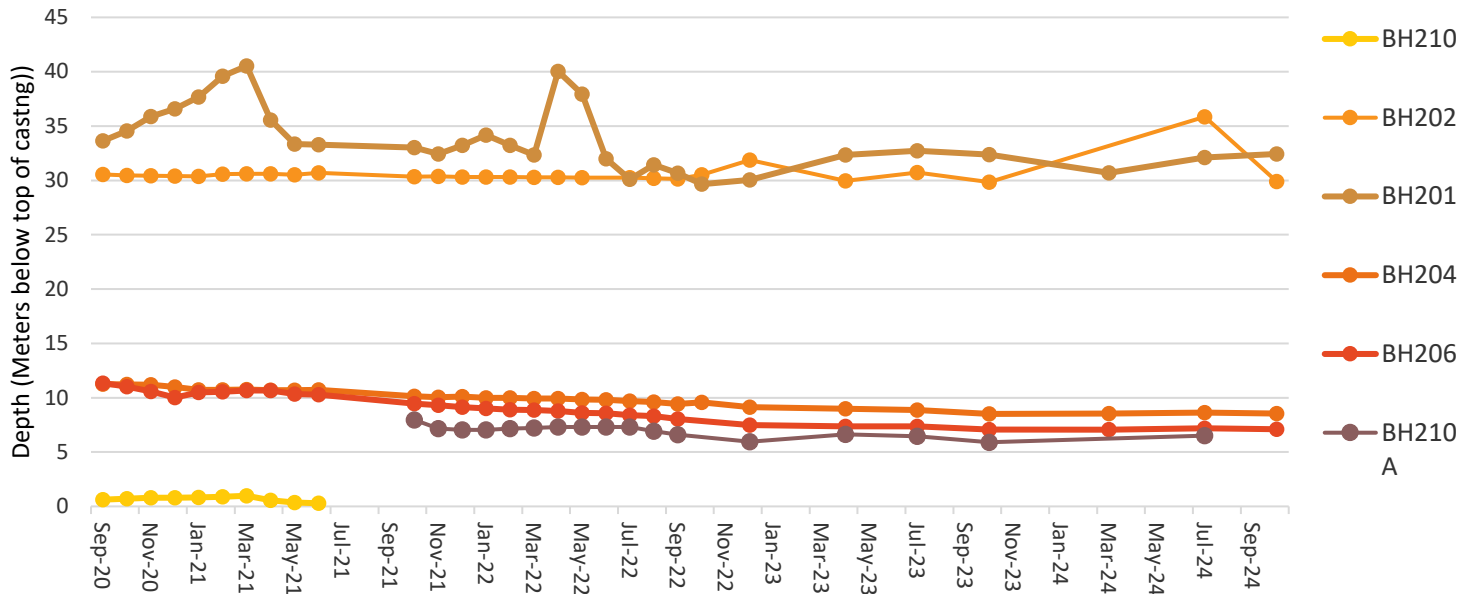


Figure 34 - Groundwater Levels within proposed TSF4 location.

# Groundwater Levels - Ballarat South

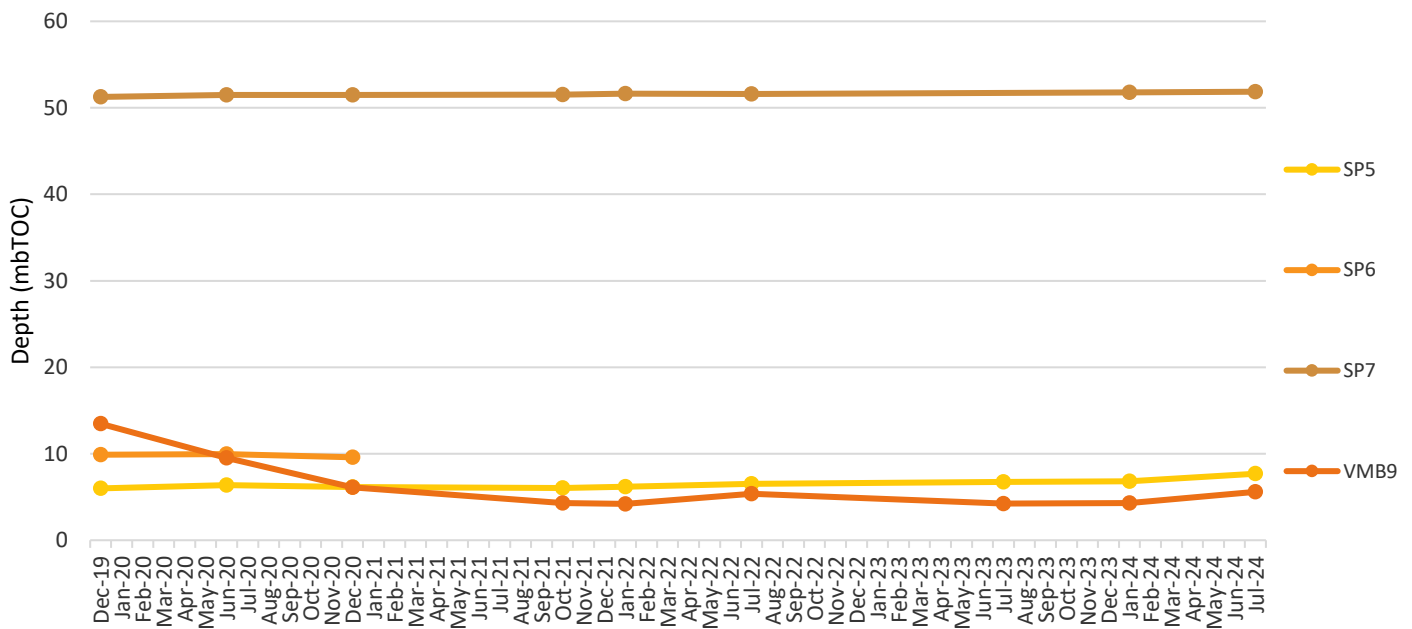


Figure 35 - GROUND WATER LEVELS AROUND THE BALLARAT EAST AND SOUTH