



Building
something
great

Community Consultative Committee

Peppertree Quarry & Marulan South Limestone
December 2023



AGENDA

1. Welcome and introductions
2. Confirmation of minutes and actions
3. Business arising
4. Correspondence
5. Operations over the last 3 months
6. Environmental performance
 - a. Incidents
 - b. Complaints
 - c. Air
 - d. Noise
 - e. Blast
 - f. Water – surface and ground
 - g. Heritage
 - h. Ecology
7. Stakeholder Engagement
7. Stakeholder Engagement
8. Plans for the next 3 months
9. General Business
10. Next meetings - March 2023





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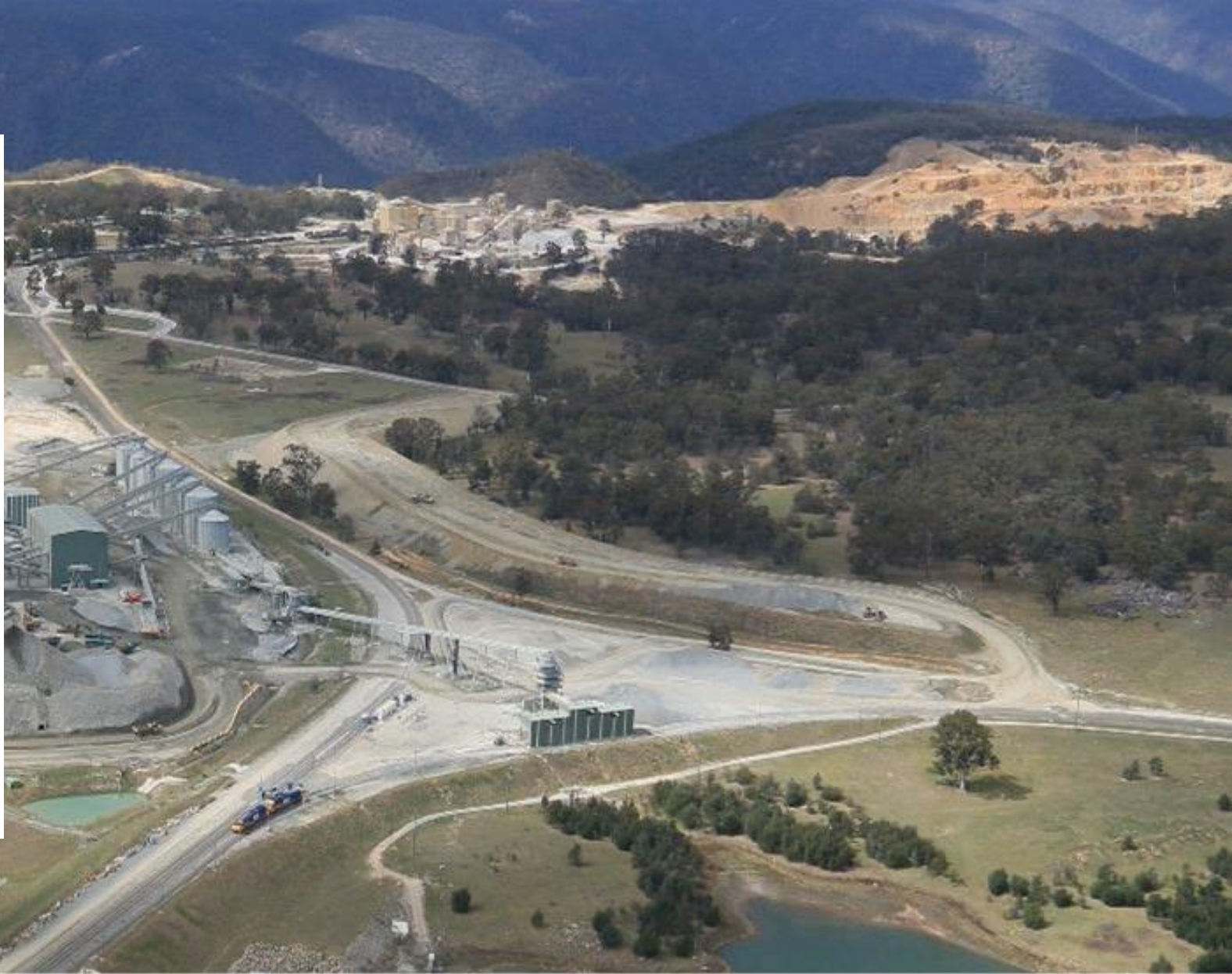
01

Welcome and apologies



02

Confirmation of minutes





03

Business arising



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04

Correspondence Sept 2023 – Nov 2023



Peppertree Quarry

Department of Planning and Environment

Update of Environmental Management Plans

EPA

Nil

Resources Regulator

Regulator Targeted education program - Roads and other vehicle operating areas

Goulburn Mulwaree Council

Nil

Geoff Clark

Weather data reviews – weather station monthly reviews

Marulan South Limestone

EPA

Nil

Resources Regulator

- Rehabilitation Management Plan being finalised – Forward Program submitted
- Planned Structural Integrity Inspection as part of RR targeted intervention program

Department of Planning and Environment

- Endorsement of Independent Auditor
- Update to Environmental Management Plans

Goulburn Mulwaree Council

- Work ongoing on designs of upgrade for Marulan South Road. Road upgrade scheduled for Mid 2025
- Section 7.11 contributions

Geoff Clark

Weather data reviews – weather station



05

**Operations
Past 3 months**

Peppertree Quarry

Safety

No LTI/MTI over the last three months. Hazard reporting has improved. Safety training on Mental health and Emergency Response for Bush fire Preparedness training. Peppertree celebrated one year of zero MTI. One minor injury due to slip and fall.

Overburden

Overburden is being stripped focusing in a Southerly direction circa 1.5 million m³ has been moved. Peppertree moved into the next stage of stripping in September 2023 were it will be a further 1.2 million m³ in this phase.

Pit Update

Contract crushing on the RL525, in pit crushing will continue in a southerly direction directly following stripping.

Processing (STQ)

Production on target.

People

New Maintenance Superintendent.



Marulan South Limestone

Safety

No LTI since last meeting and 0.00 TRIFR. Mental health first aid training and Men's mental health 'Are You Bugged' Presentation.

Ongoing commitment to maintain currency of employee skills including various trades and high-risk activities such as confined space, working at heights. Hazardous materials risk assessment and local RFS site visit.

Overburden

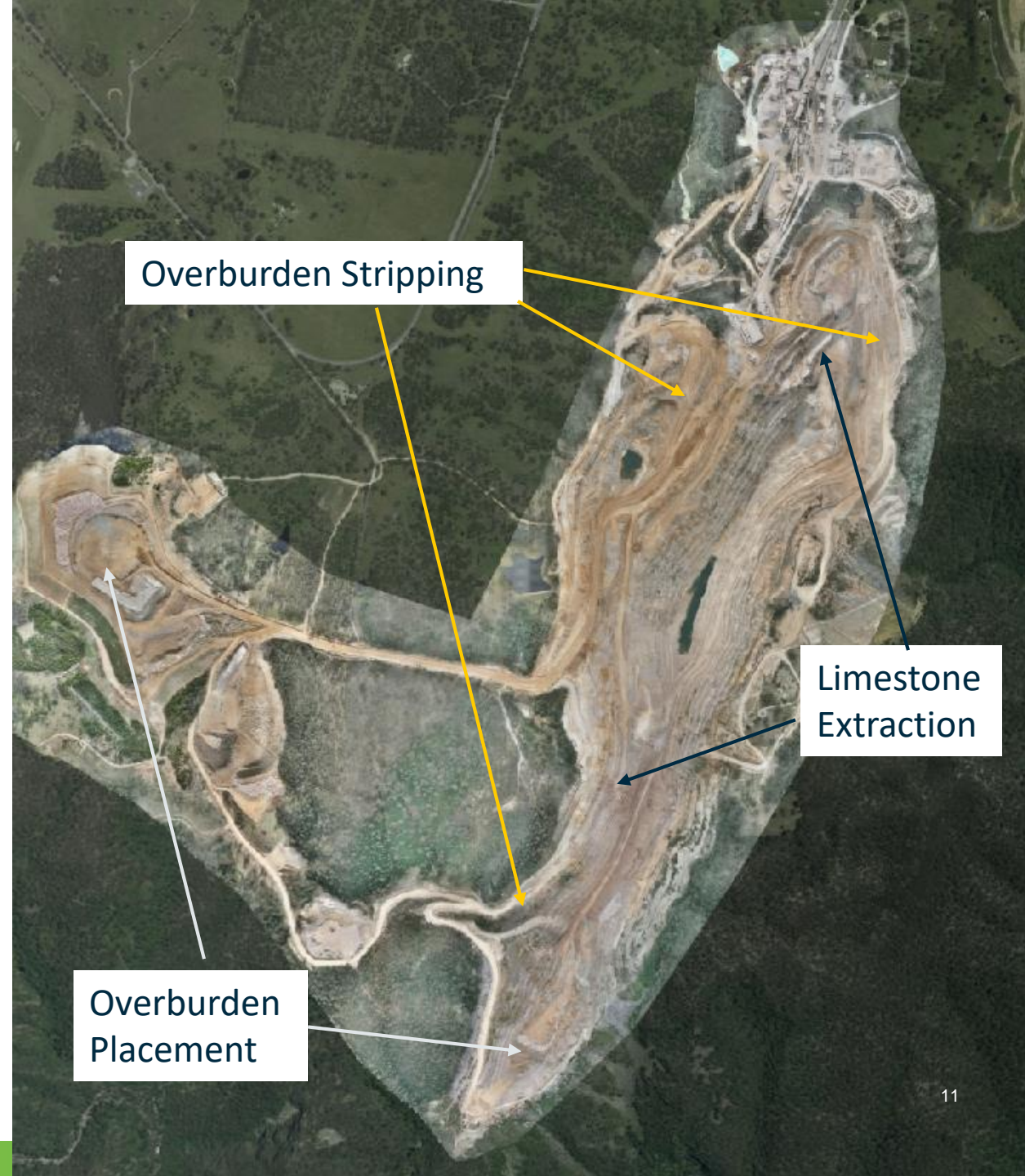
Overburden stripping has been progressing at a steady 375,000t/month.

Limestone Extraction

Extracting at a rate of 250,000t/month.

People

Total of 98 employees on site. New production operator, Mechanical Fitter promoted to Maintenance Superintendent. Two 10- year anniversaries celebrated. Some staff m



06

Environmental Performance



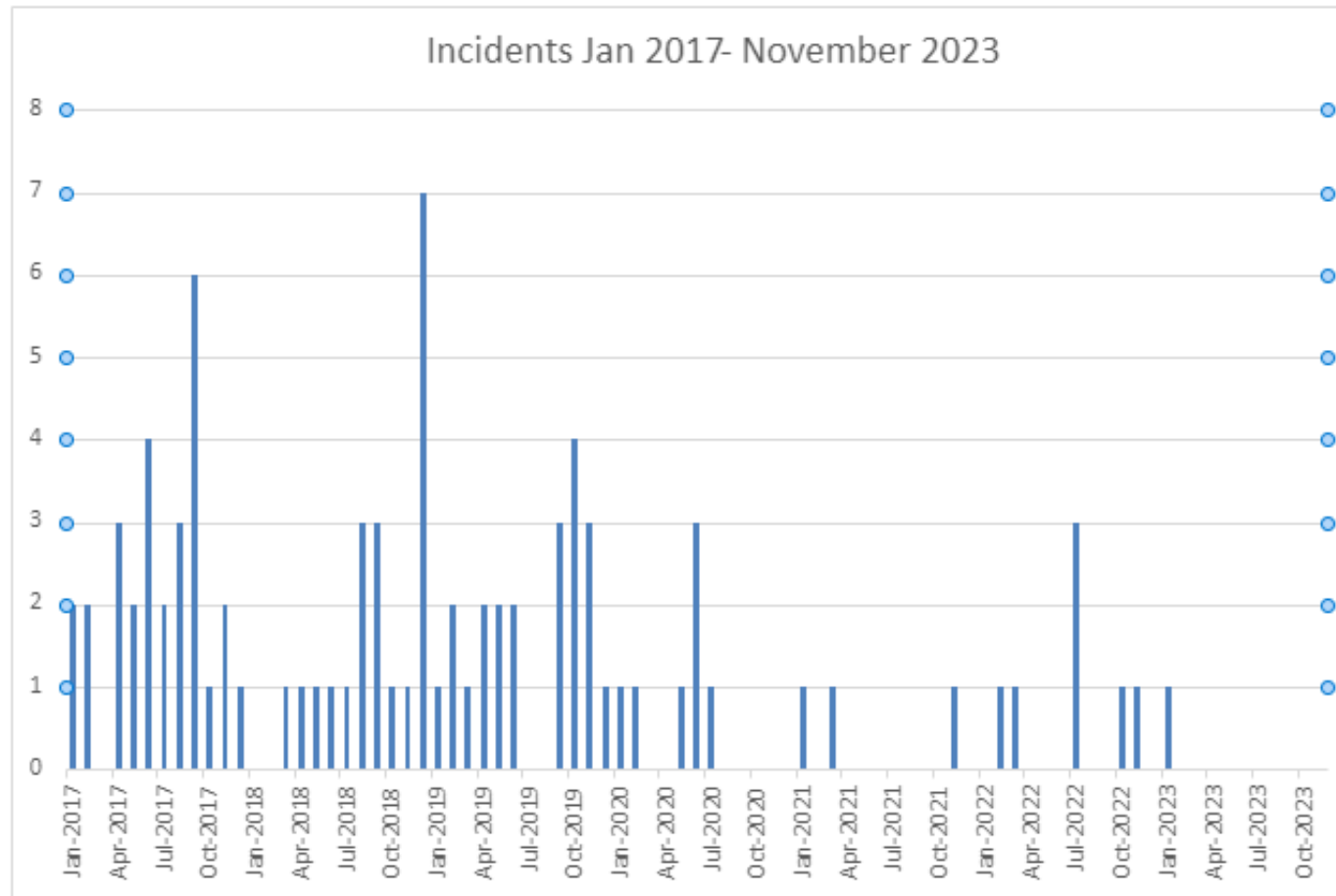
06.1

Environmental Performance
Peppertree Quarry



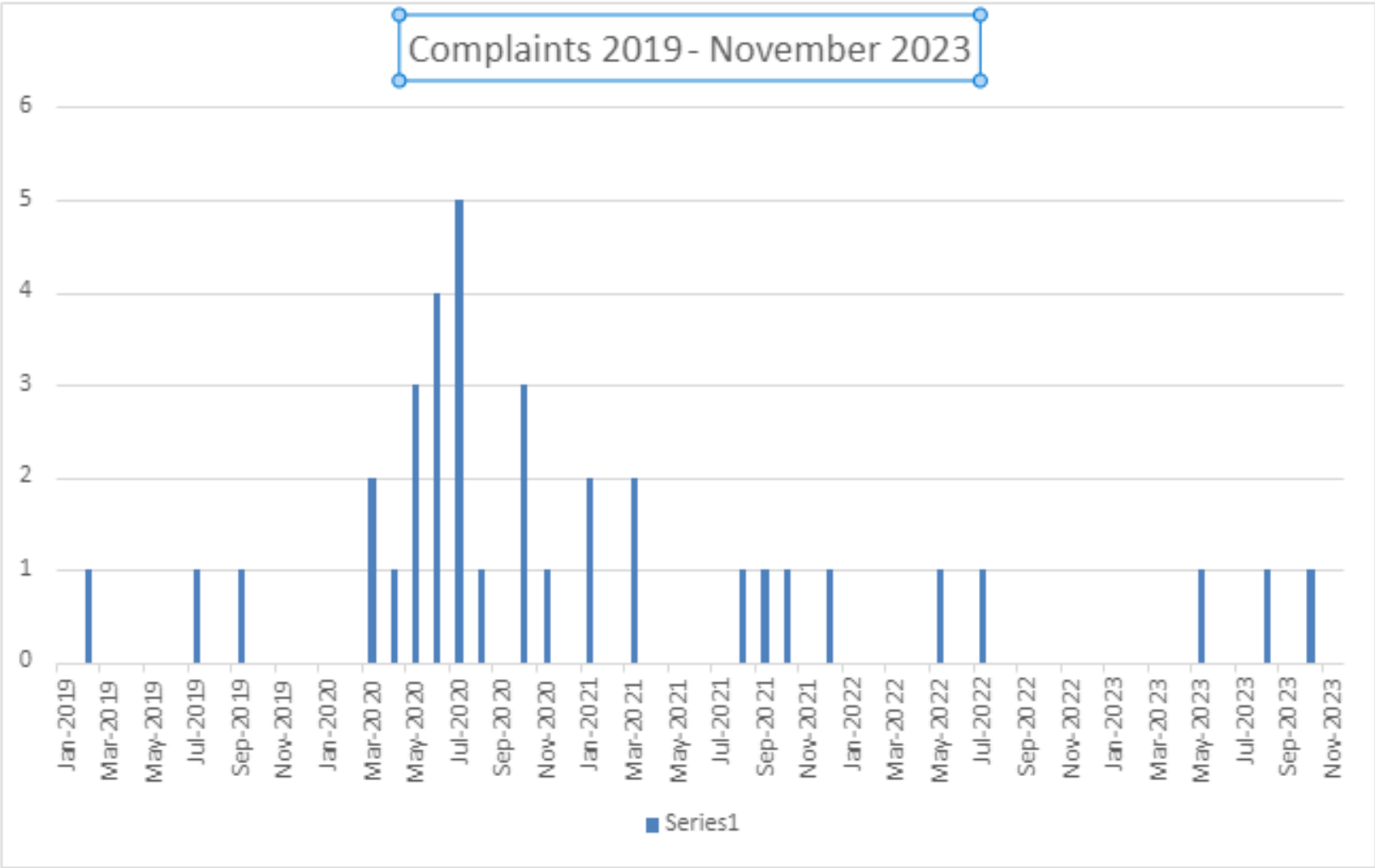
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Environmental Incidents Jan 2017 to August 2023



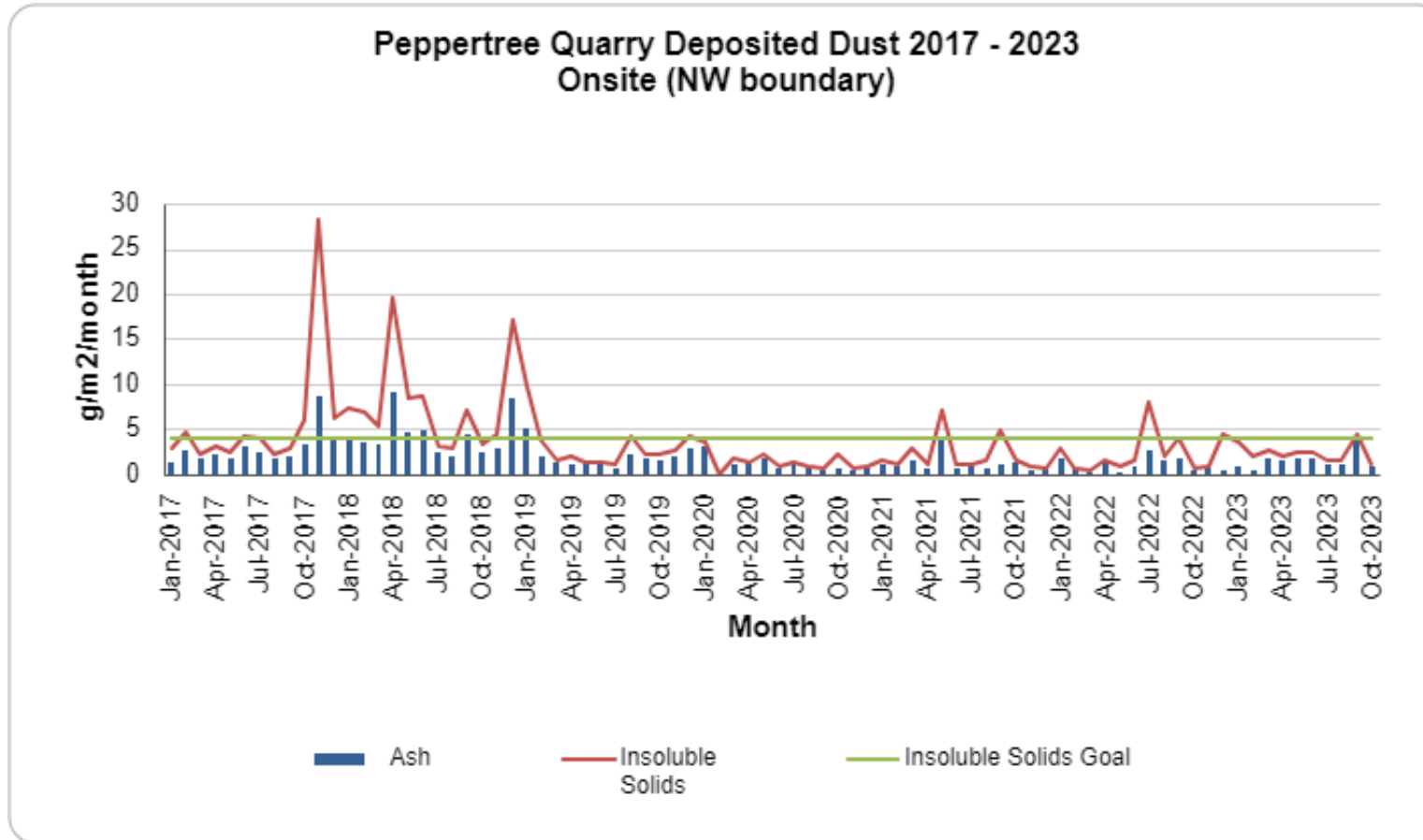
Nil Incidents (September to November)

Environmental Complaints Jan 2017 to August 2023



> Noise – 1 (Oct)

Air – Dust deposition Gauge D1

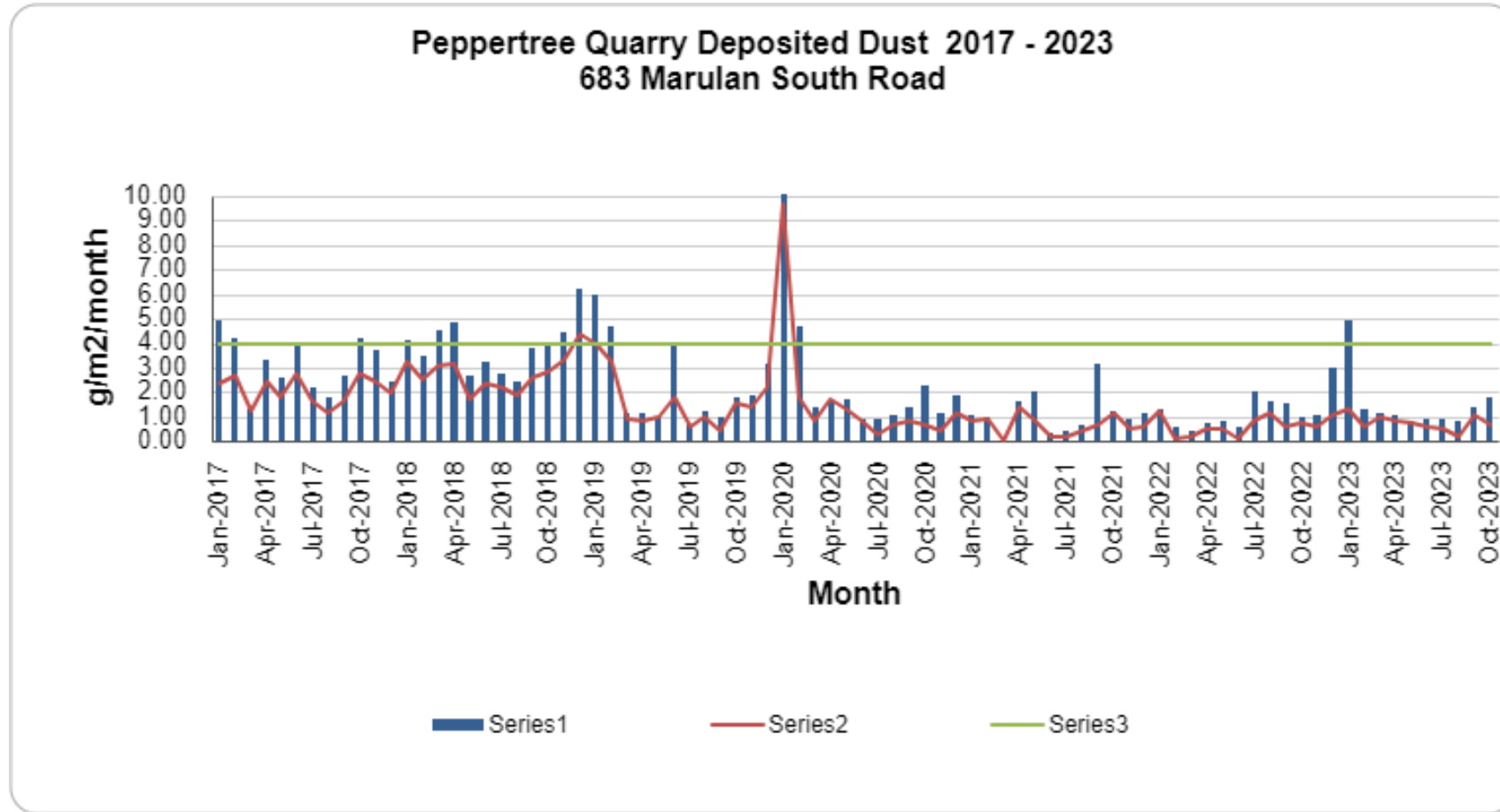


Annual Average goal of 4gm²/month

In compliance

Annual average below goal at the boundary

Air – Dust Deposition Gauge D2

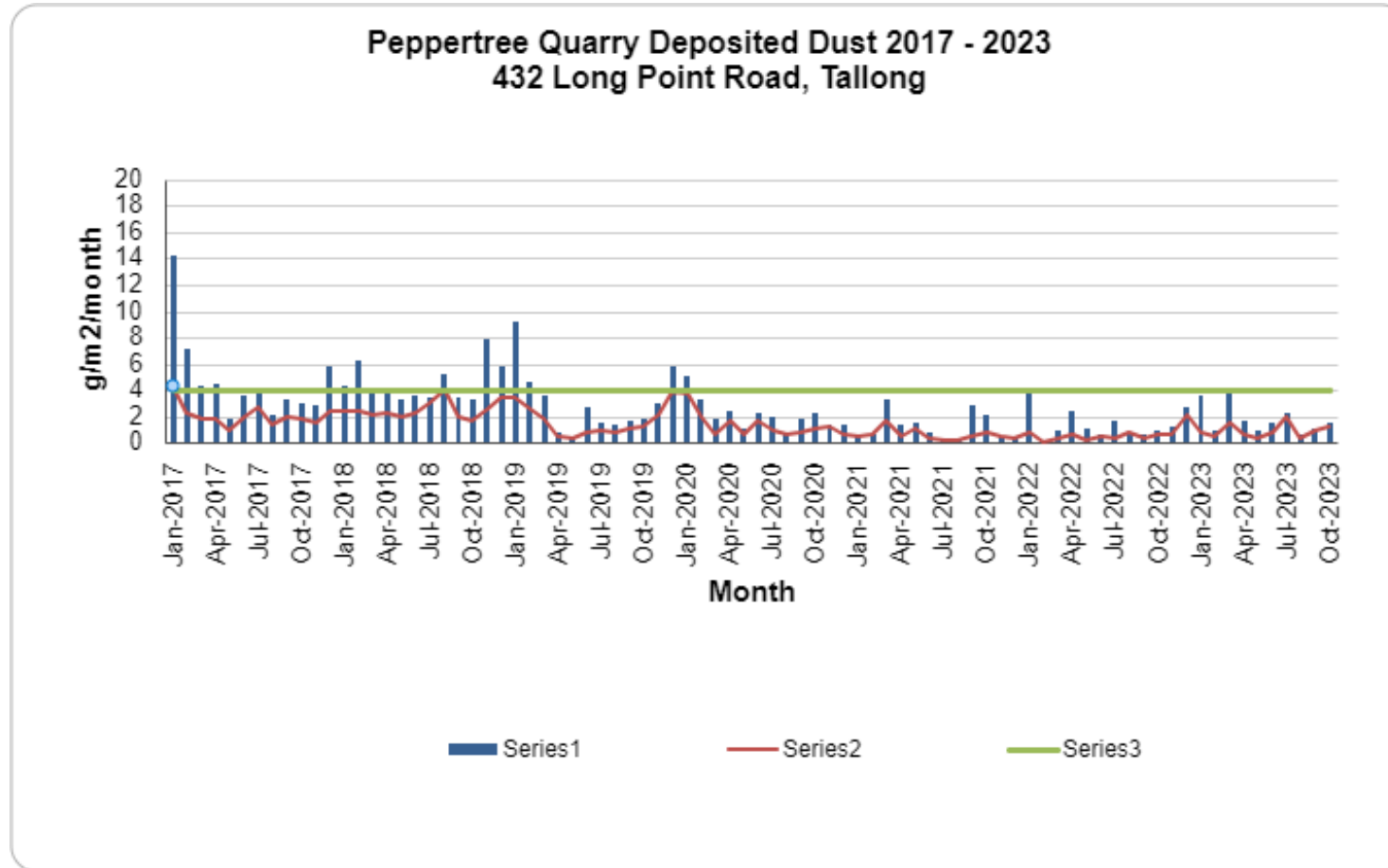


Annual Average goal of 4gm²/month

In compliance

Annual average below goal at the boundary

Air – Dust Deposition gauge D3

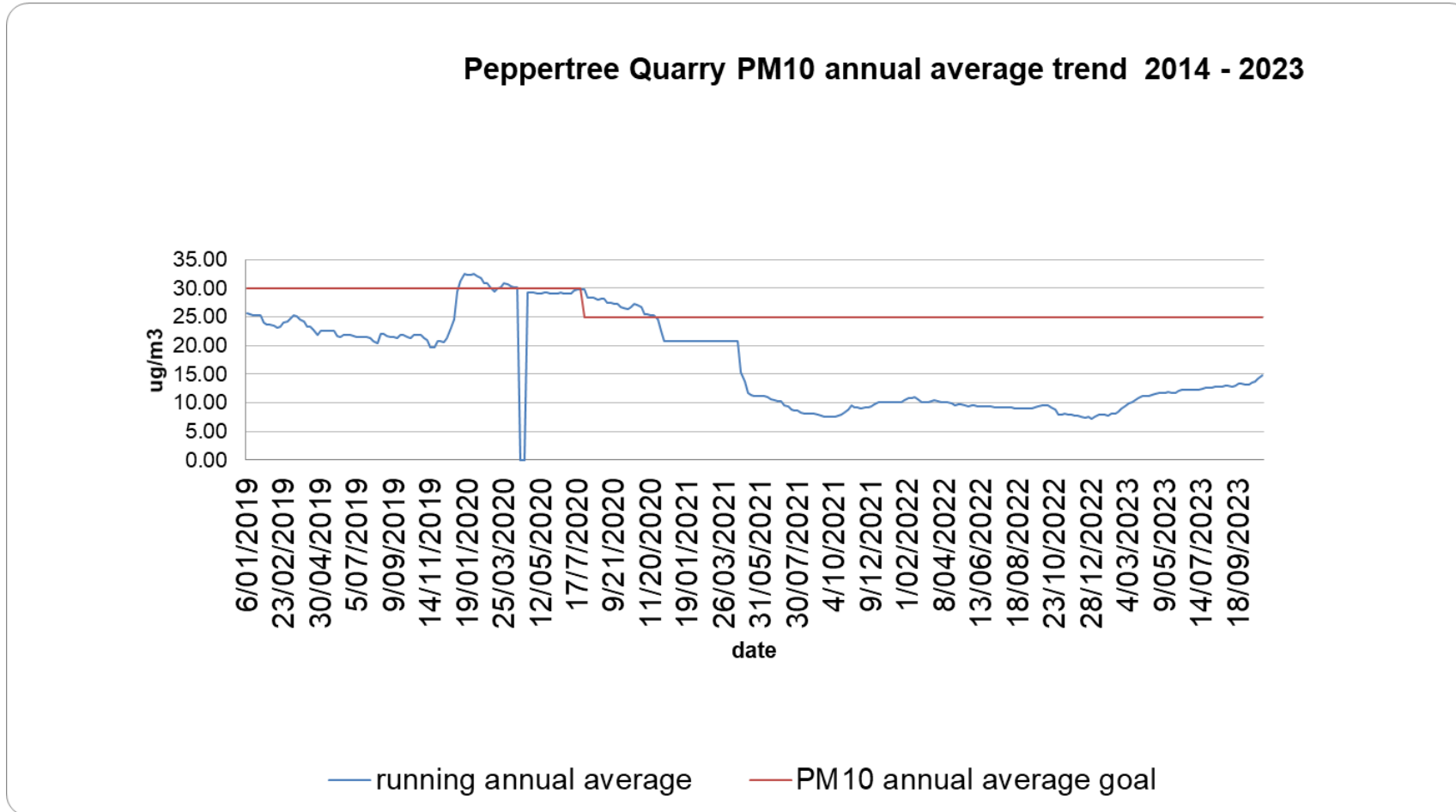


Annual Average goal of 4gm²/month

In compliance

Annual average below goal at the boundary

Air – PM10 annual average

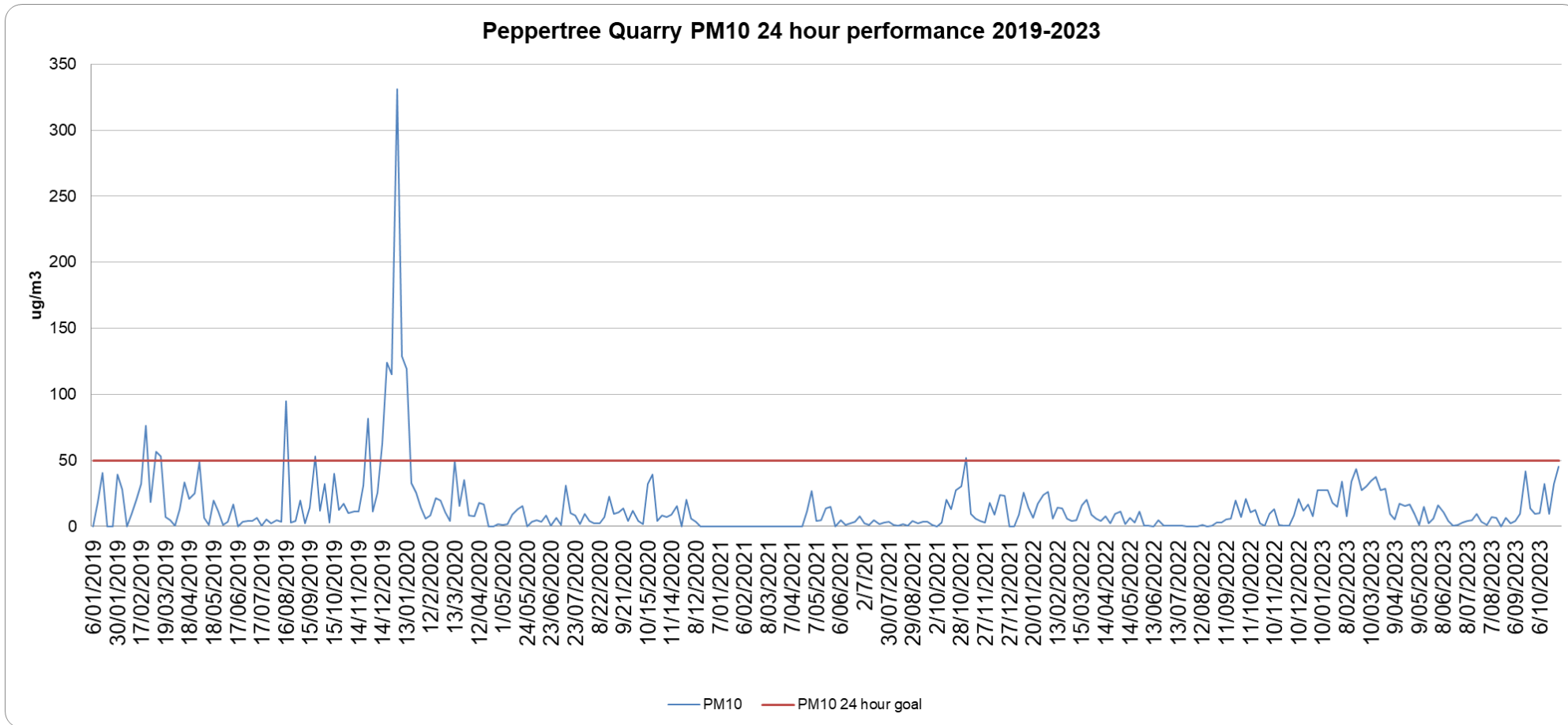


Annual Average goal of 25ug/m3

In compliance

Annual average below goal at the boundary

Air – PM10 24 Hour performance

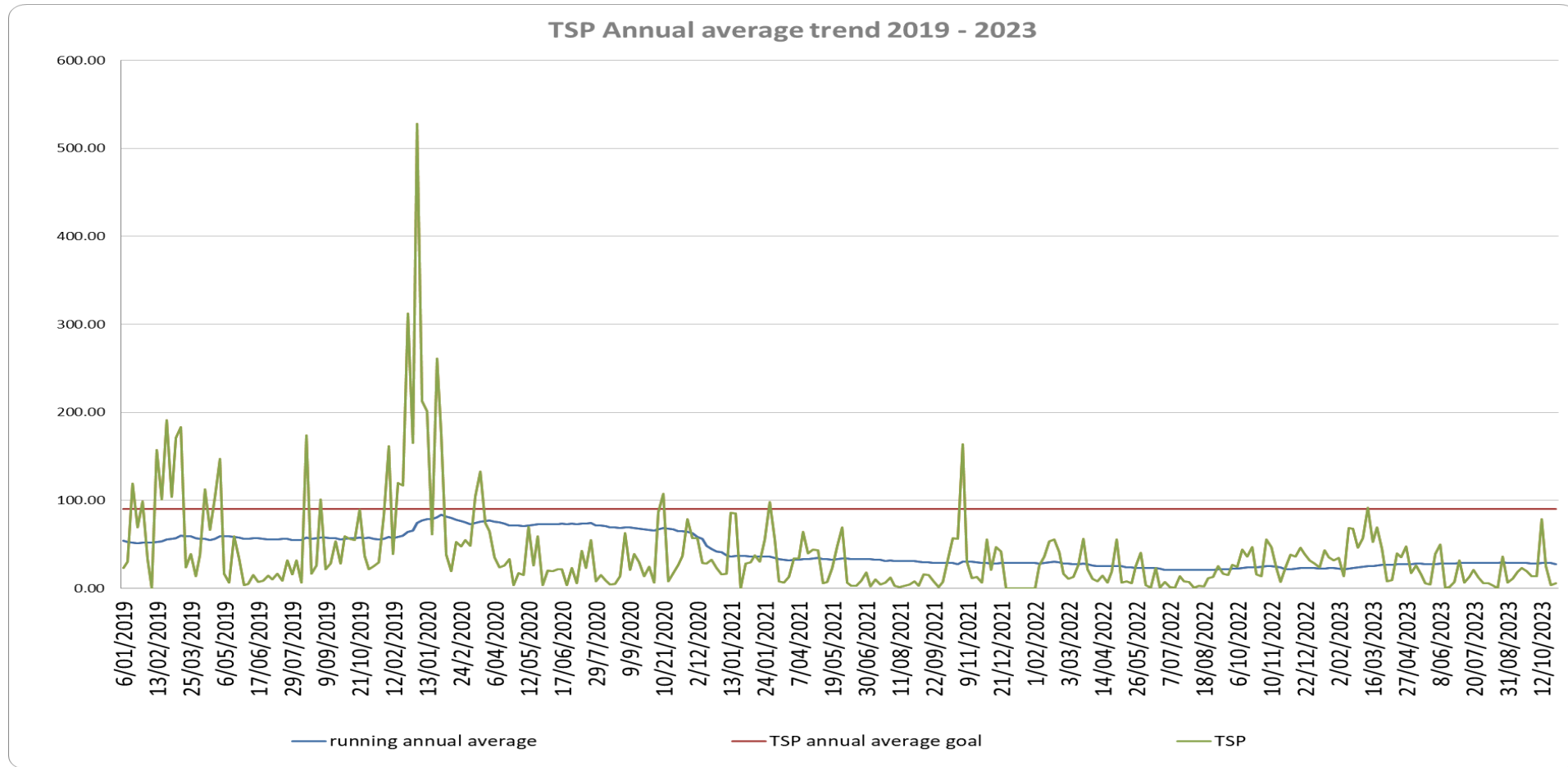


24 hour goal of 50ug/m3

In compliance

Annual average below goal at the boundary

Air – Total Suspended Particulates

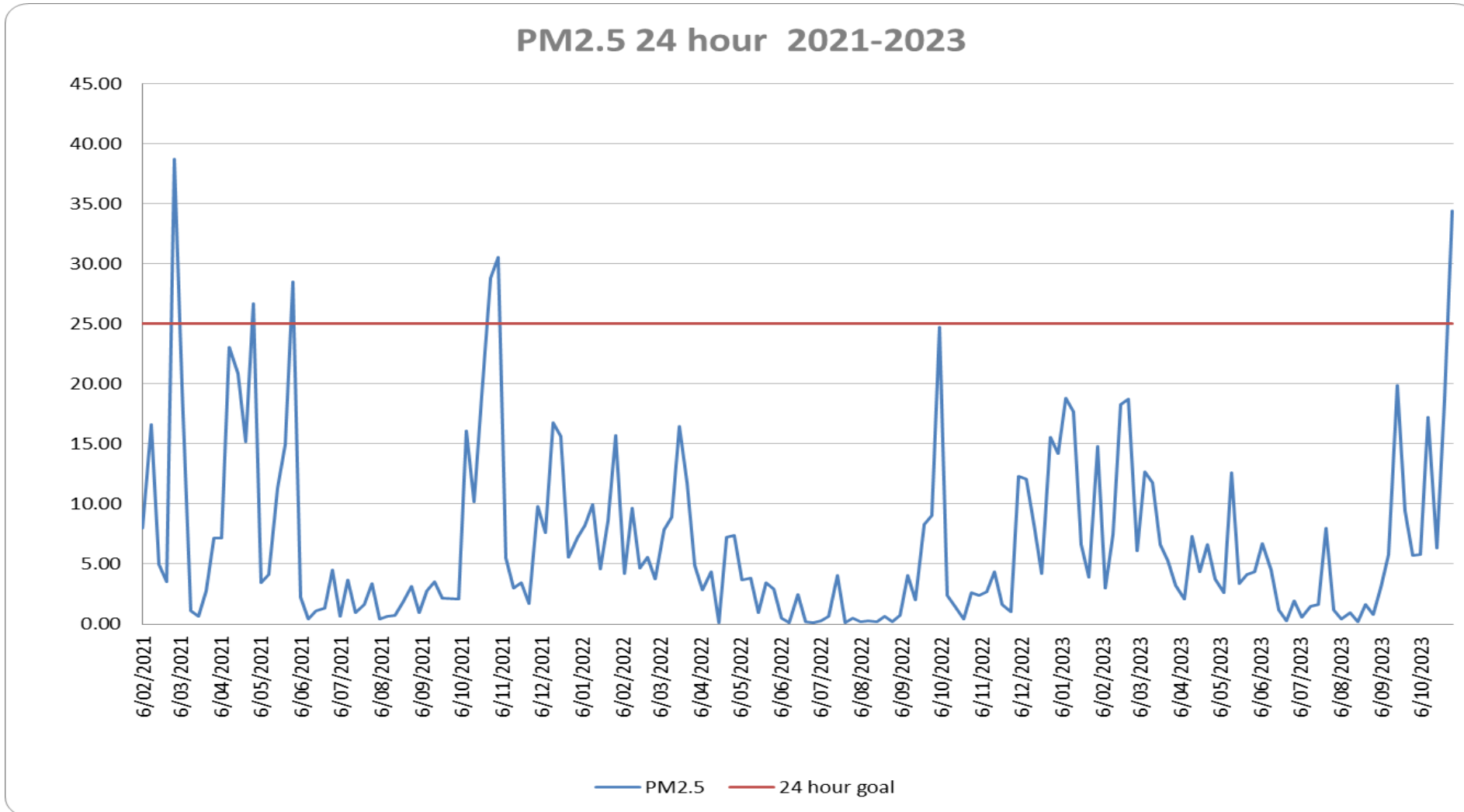


Annual Average goal of 90ug/m3

In compliance

Annual average below goal at the boundary

Air – PM2.5



In compliance for the past 3 months. *exceedance in October due to westerly wind and wind speed conditions but extrapolated data to the nearest boundary was below the threshold.

Noise – quarterly monitoring



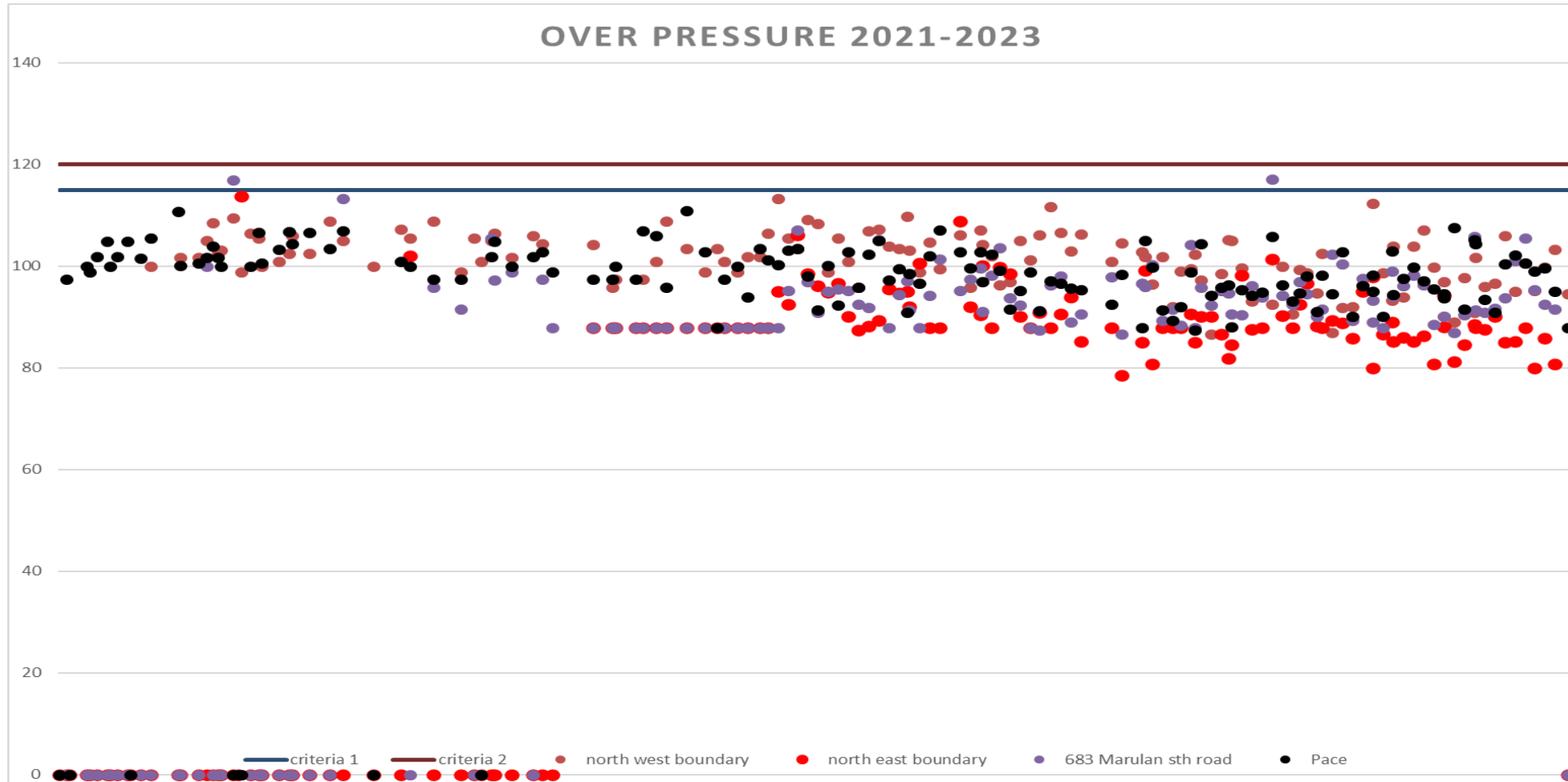
Monitoring was undertaken over 27th and 28th September 2023

Results for the September round are in compliance.

Next round due in October-December.

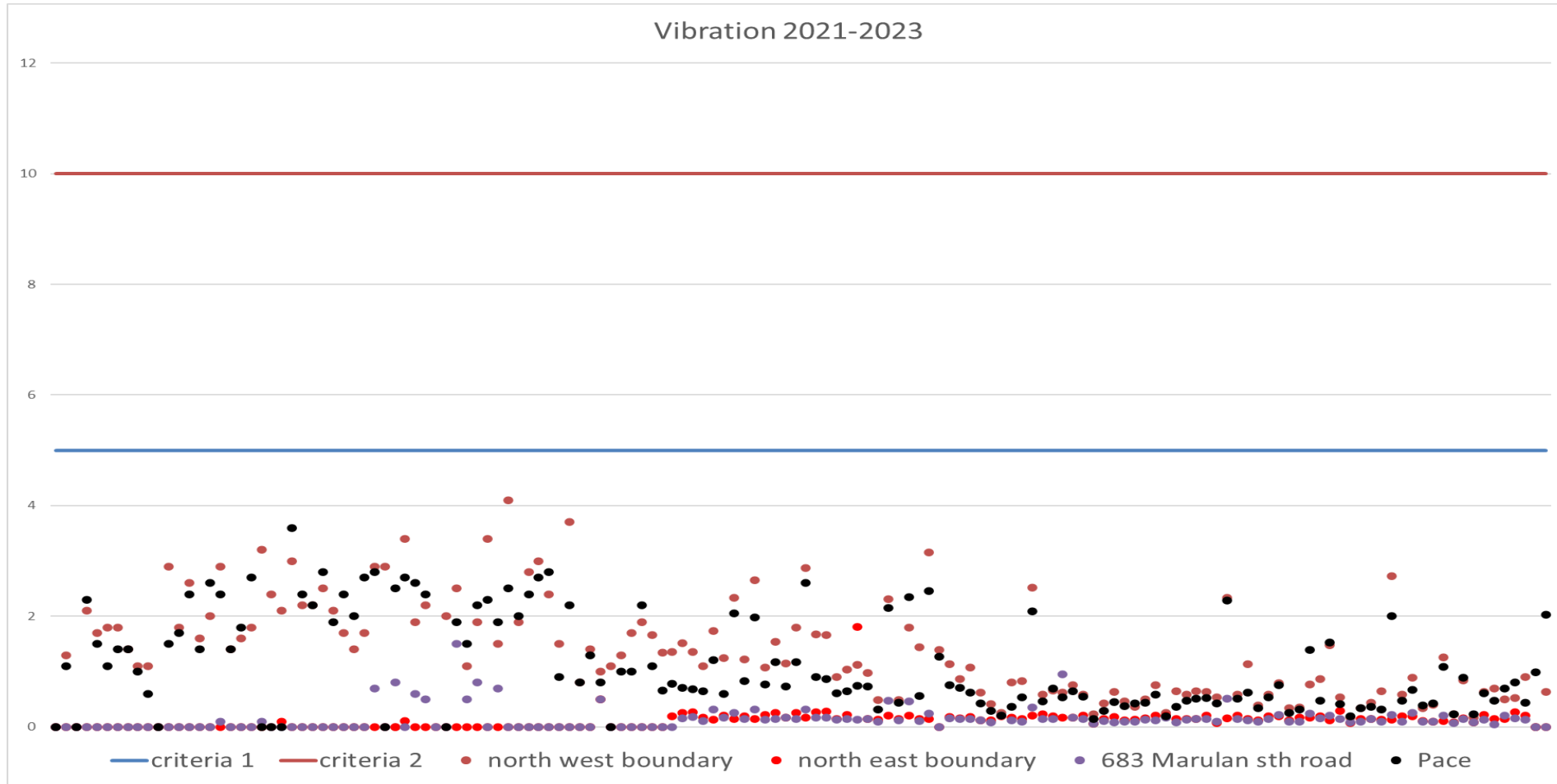
Monitoring to be conducted on the 11th to the 13th of December.

Blasting - Overpressure



In Compliance

Blasting – ground Vibration



In Compliance

Surface Water

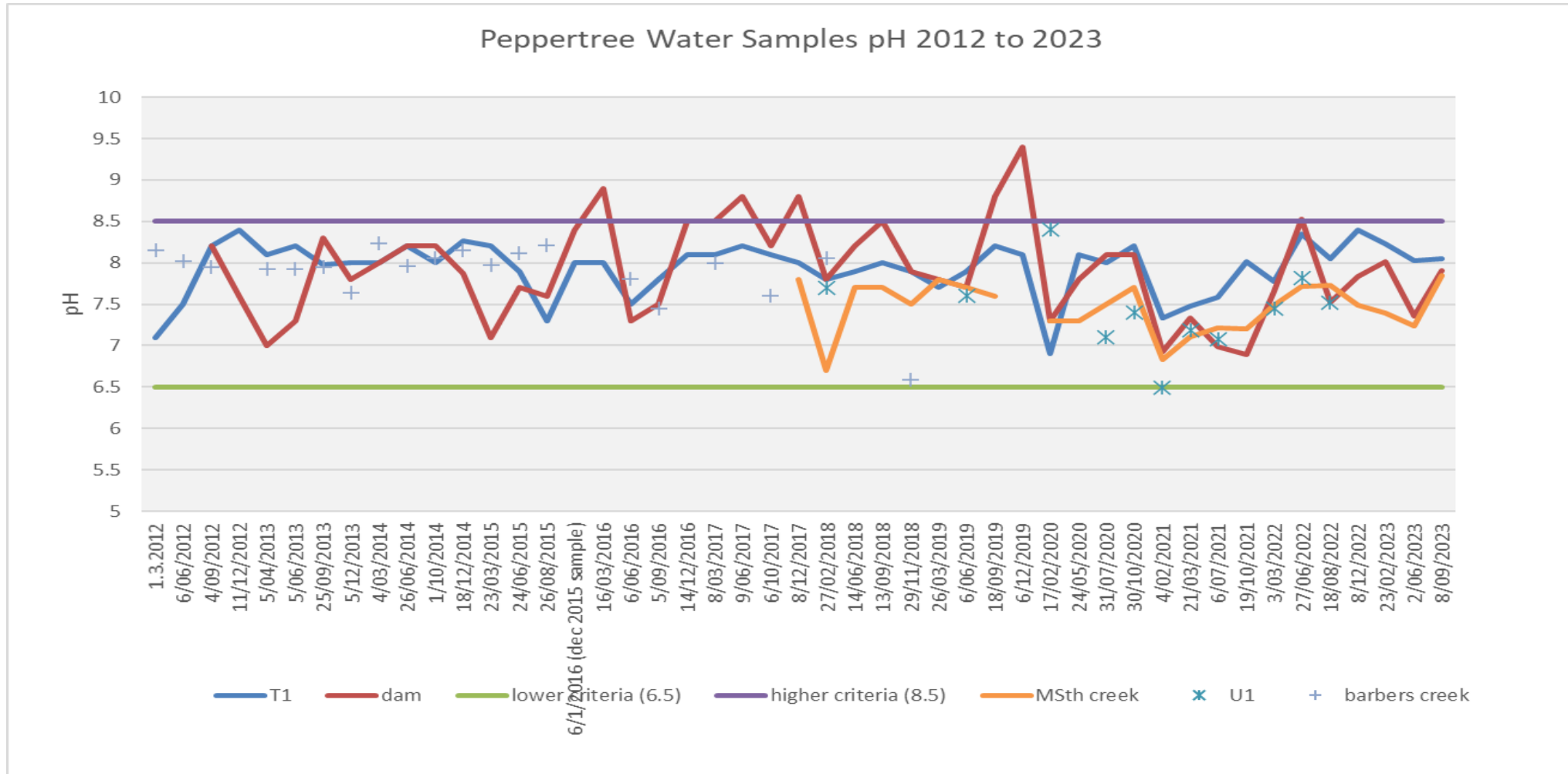


Quarterly monitoring round undertaken in July – September 2023 with sampling on Friday 8th September 2023

No issues with water supply or quality over the last 3 months

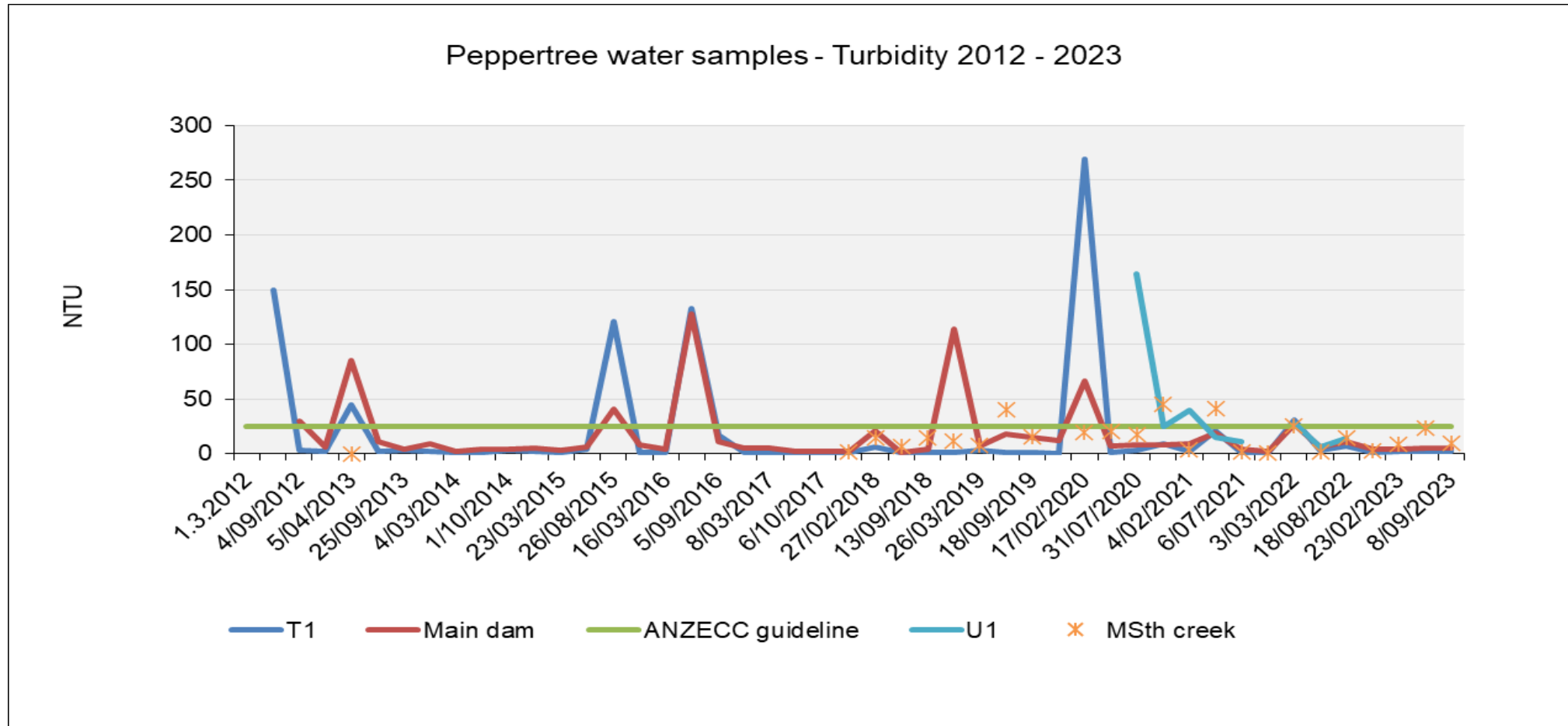
Next round of sampling to be conducted October – December with sampling done on Wednesday 5th December 2023 still awaiting results.

Surface water - pH



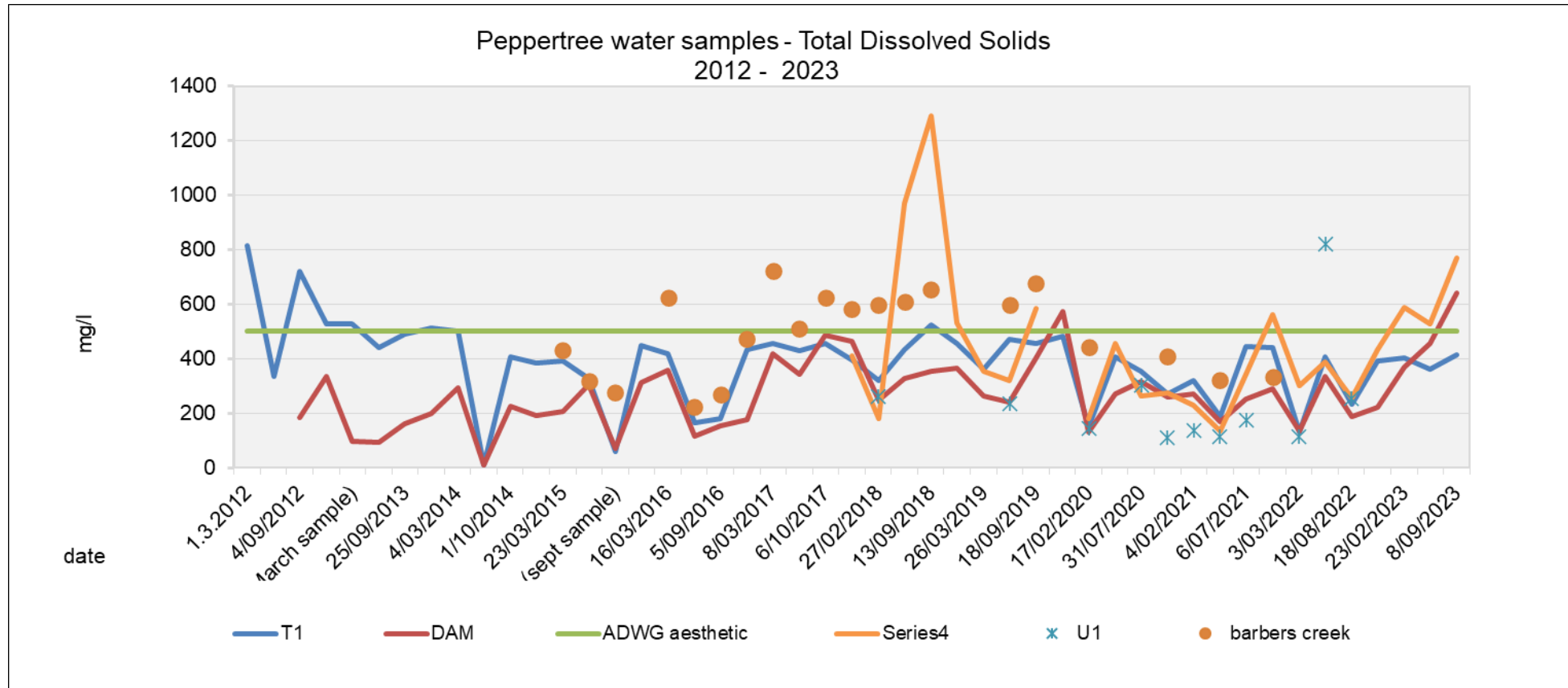
Within guideline for Sept samples

Surface water - Turbidity



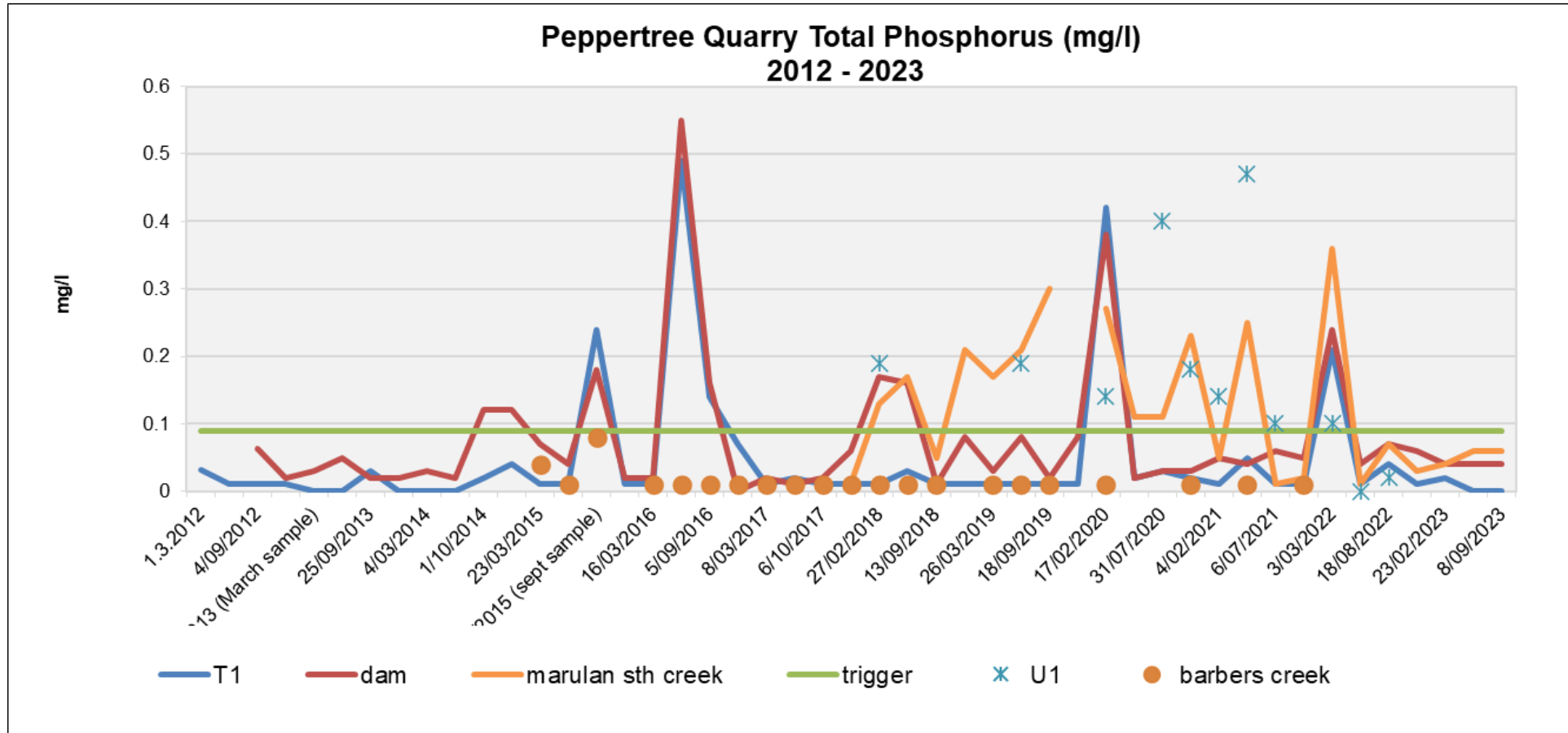
Below guideline for Sept samples

Surface water – Total dissolved solids



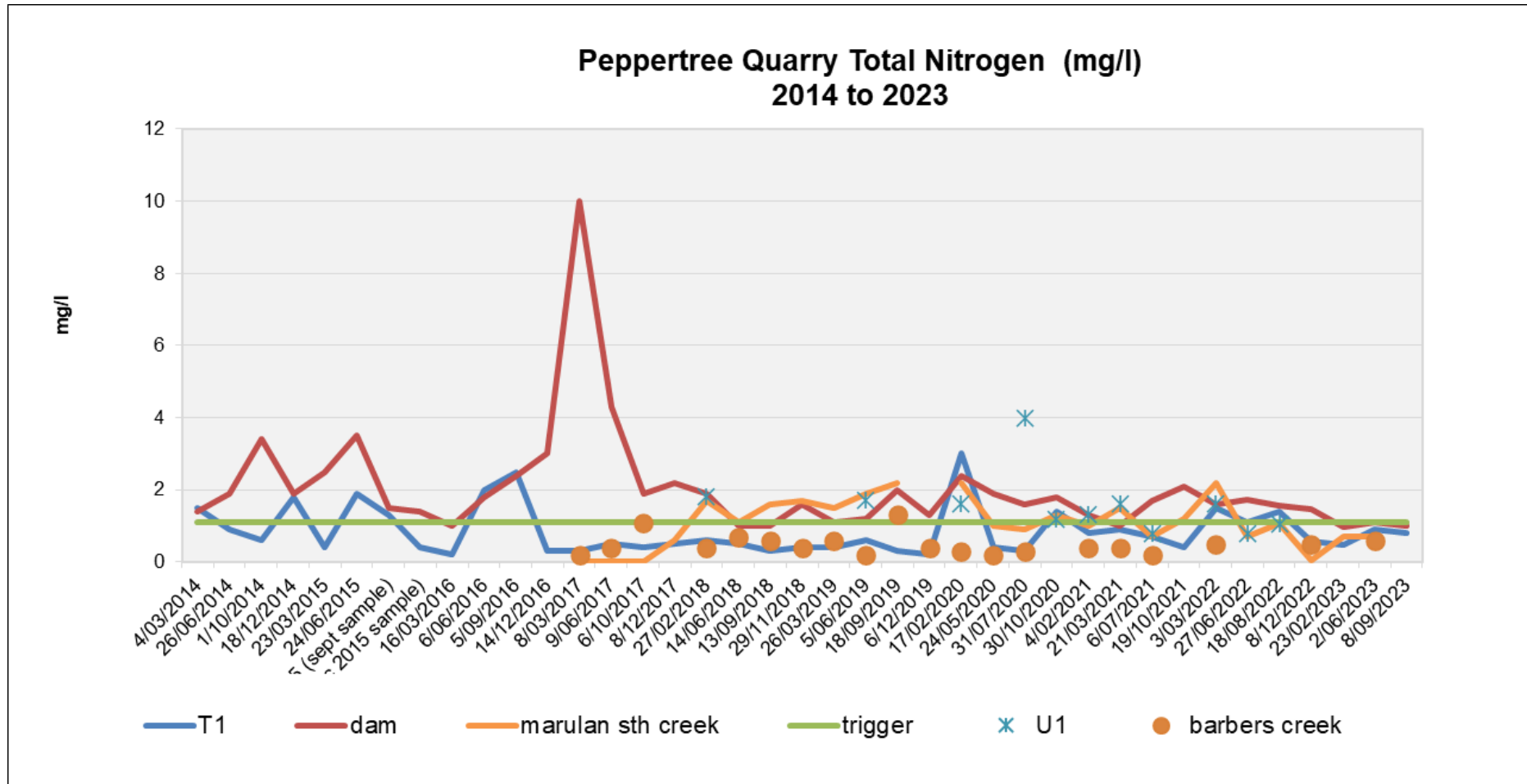
Below guideline for Sept samples with exception of Marulan South Creek & main dam.

Surface water – total Phosphorus



Below guideline for Sept samples

Surface water - Total Nitrogen



Below guideline for Sept samples

Environmental Flow



| year | total in | 10% | total out | in | comment |
|--------|----------|------|-----------|-----|------------|
| Apr-22 | 30.3 | 3.03 | 656.16 | yes | Rainfall - |
| May-22 | 22.6 | 2.26 | 316.52 | yes | Rainfall - |
| Jun-22 | 3.1 | 0.31 | 6.6 | yes | |
| Jul-22 | 60.6 | 6.06 | 820.91 | yes | Rainfall - |
| Aug-22 | 34.2 | 3.42 | 341.8 | yes | Rainfall - |
| Sep-22 | 18 | 1.8 | 22.88 | yes | |
| Oct-22 | 62.5 | 6.25 | 999.7 | yes | Rainfall - |
| Nov-22 | 42.2 | 4.22 | 411.49 | yes | Rainfall - |
| Dec-22 | 0.9 | 0.09 | 1.34 | yes | |
| Jan-23 | 15 | 1.5 | 15.48 | yes | |
| Feb-23 | 1.1 | 0.11 | 7.02 | yes | |
| Mar-23 | 2.5 | 0.25 | 3.67 | yes | |
| Apr-23 | 16 | 1.6 | 3.76 | yes | |
| May-23 | 15 | 1.5 | 15.74 | yes | |
| Jun-23 | nil | nil | 3.46 | yes | |
| Jul-23 | 1.8 | 0.18 | 3.79 | yes | |
| Aug-23 | nil | nil | 3.69 | yes | |
| Sep-23 | nil | nil | 3.4 | yes | |
| Oct-23 | nil | nil | 3.44 | yes | |
| Nov-23 | | | | | |

Ground water



- > Monitoring conducted in September.
- > Results all good, next round in the coming month.
- > Results show no changes to the groundwater

Heritage



Artefact analysis is continuing

Temporary Scar tree relocation done in November and display still being planned, currently undercover near the P2 dam area.



Ecology



Three-year plan developed for ongoing rehabilitation and maintenance

- 4Ha Hydromulching of SOE completed in September.
- Continuous monitoring of rehab trees and direct seed planting on site.

Weed management undertaken in the last couple of months. Focus on black berry & Tussock.

Rapid Visual Assessment and Nest Box Inspection completed in November.

Few feral goats have been spotted onsite

NPWS conducted aerial shooting in Sept and a total of 50 goats removed.

Ongoing pest monitoring. Next round of shooting scheduled for the 11th to 15th Dec



06.2

Environmental Performance Marulan South Limestone



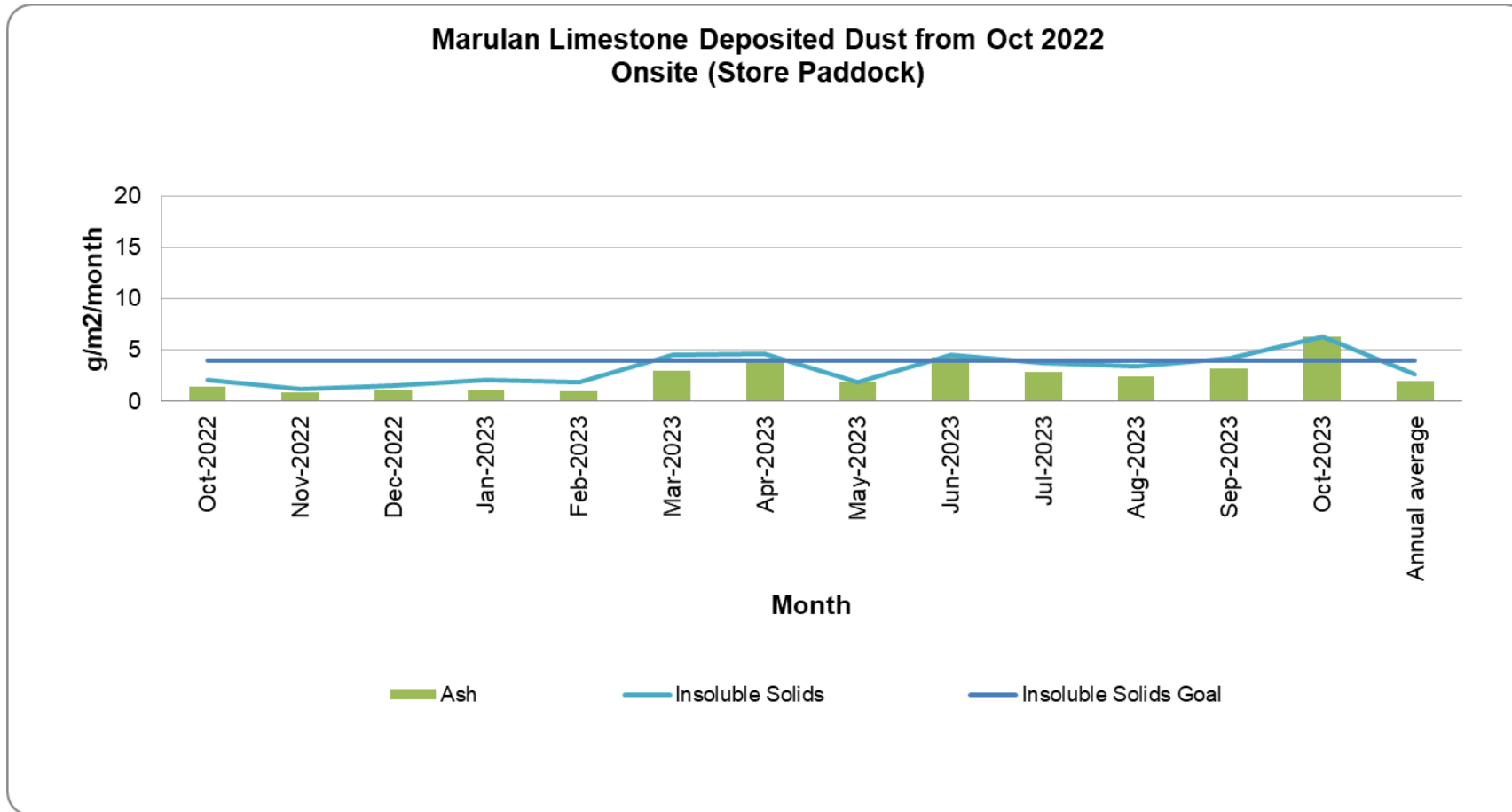
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Environmental Complaints Jan 2017 to Nov 2023



> No Environmental Complaints last quarter

Air – Dust deposition Site 1

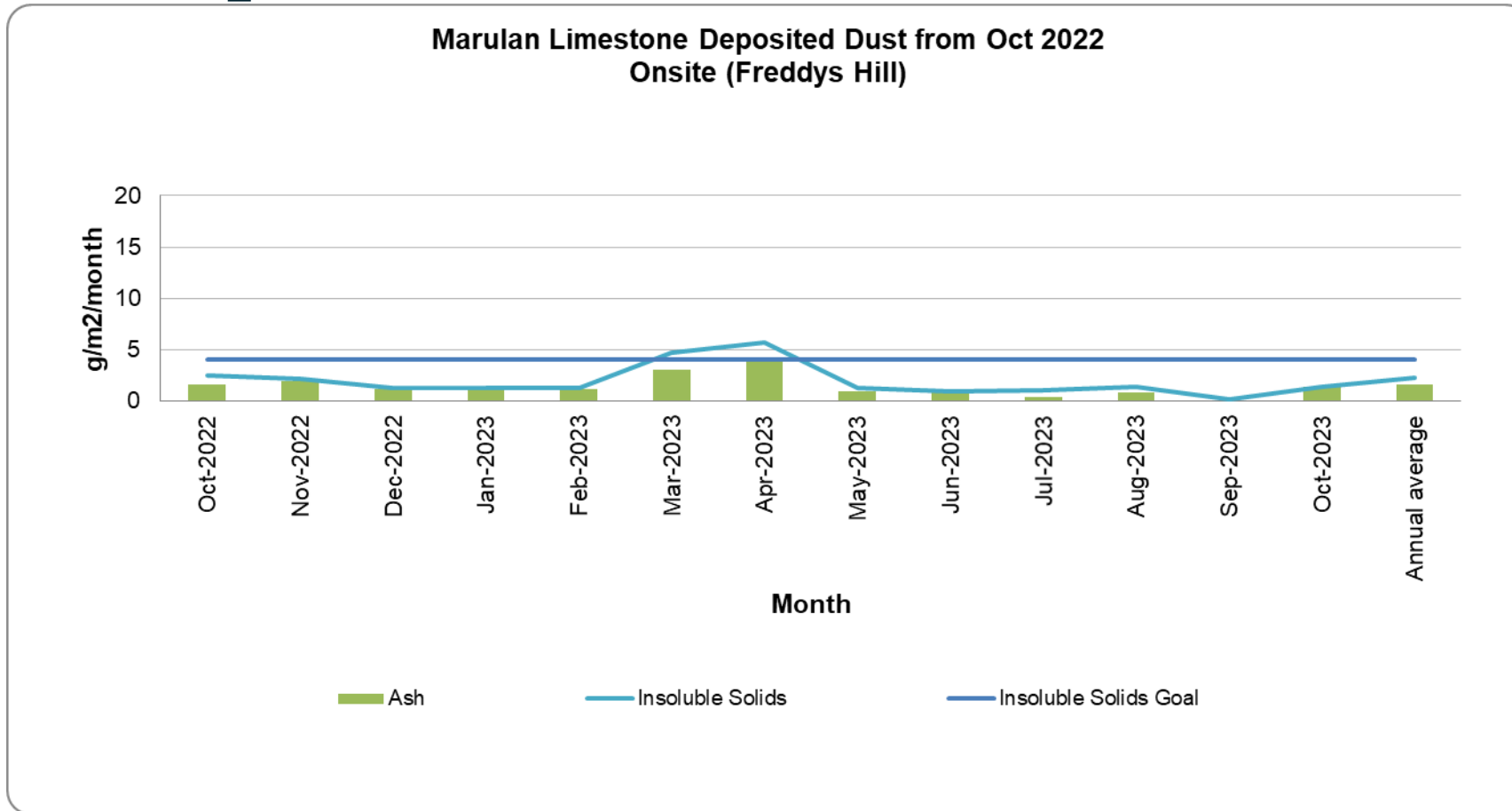


Annual Average goal of 4gm²/month

In compliance

Annual average below goal at the boundary

Air – Dust deposition Site 2

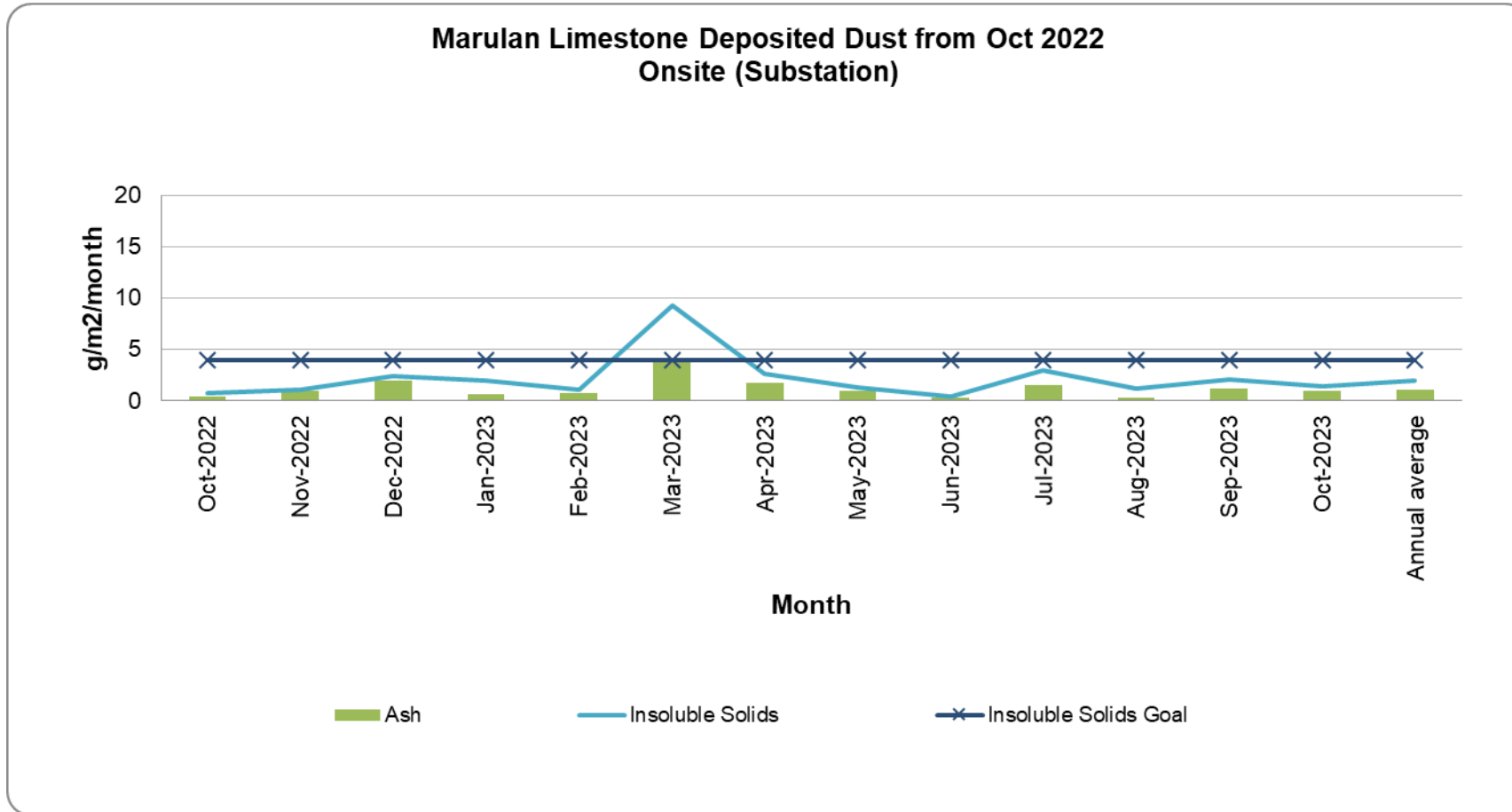


Annual Average goal of 4gm²/month

In compliance

Annual average below goal at the boundary

Air – Dust deposition Site 3

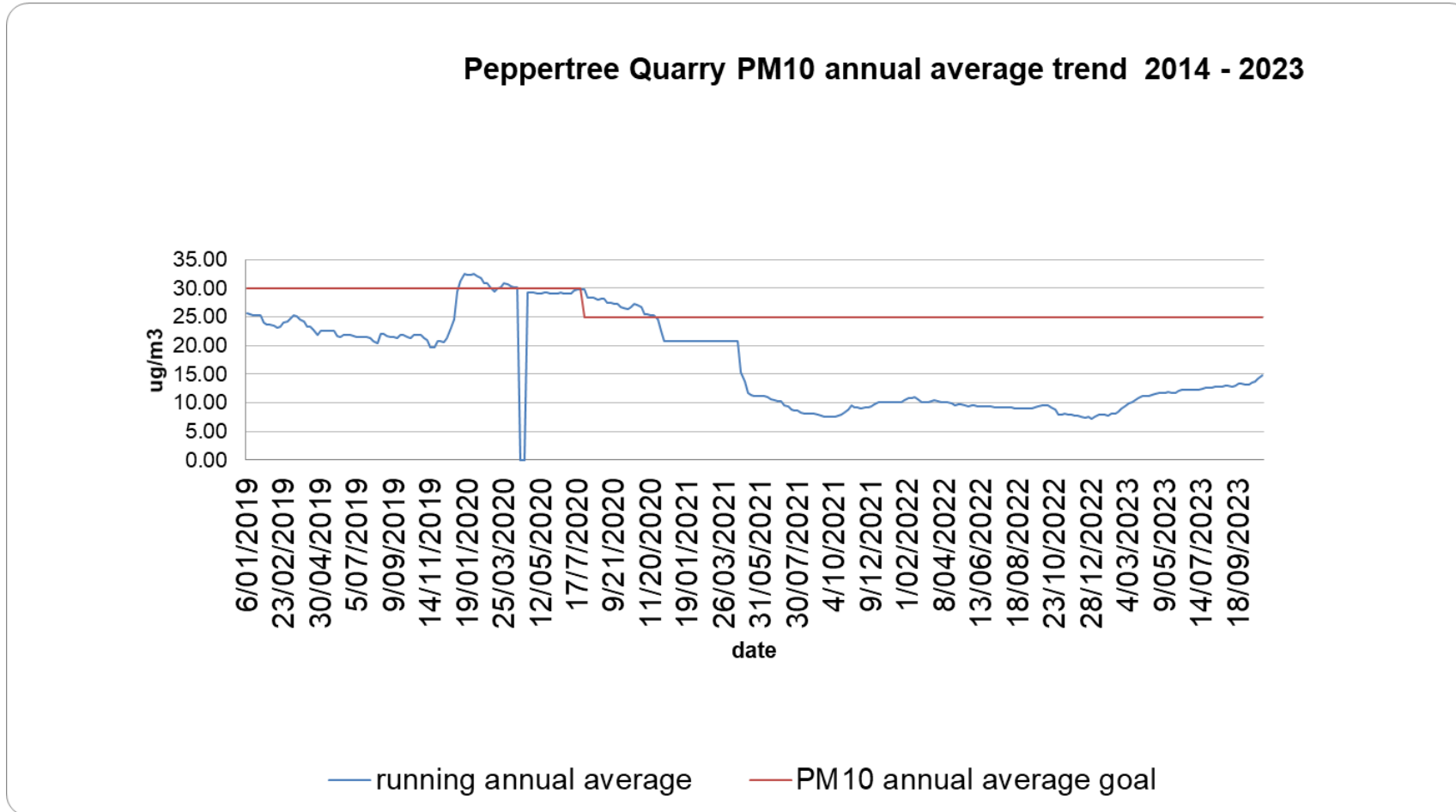


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In compliance

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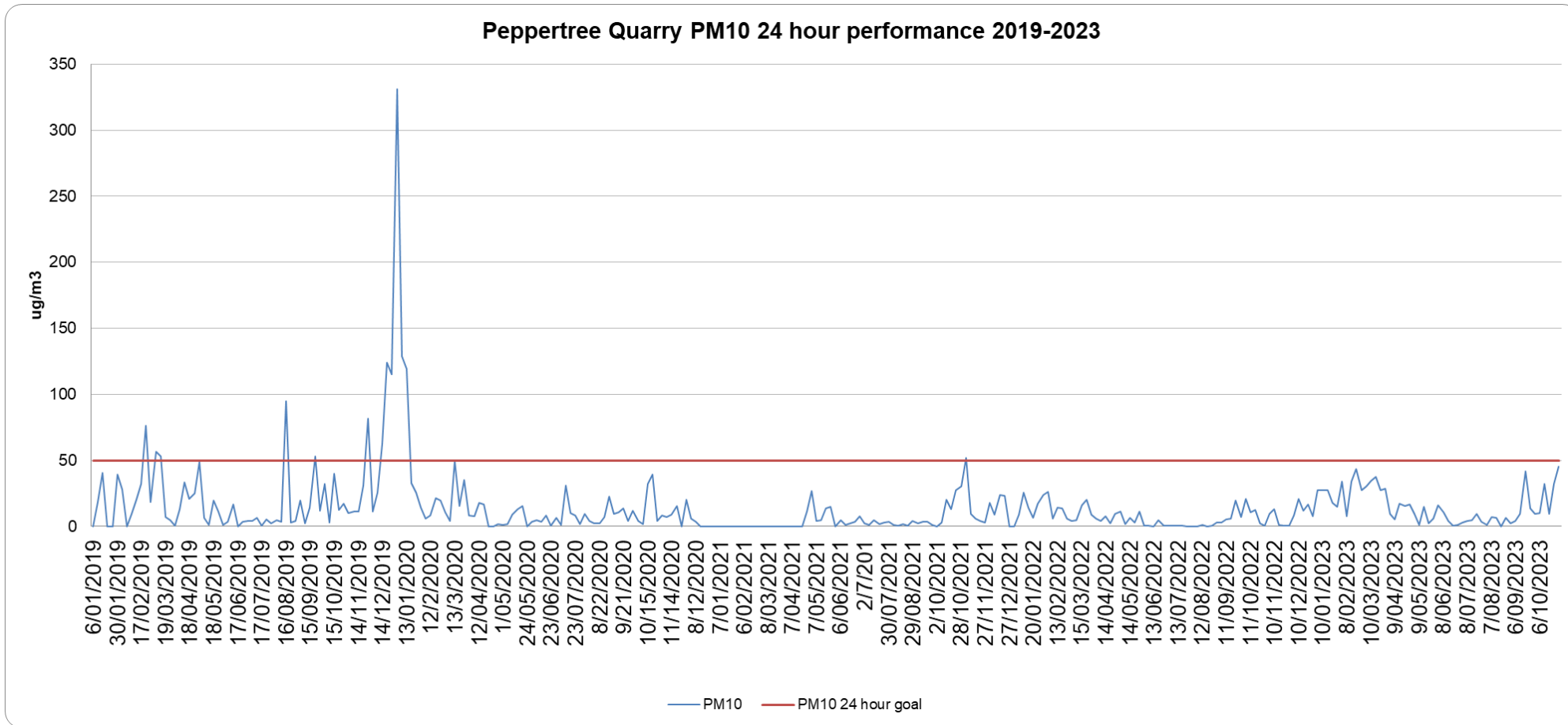


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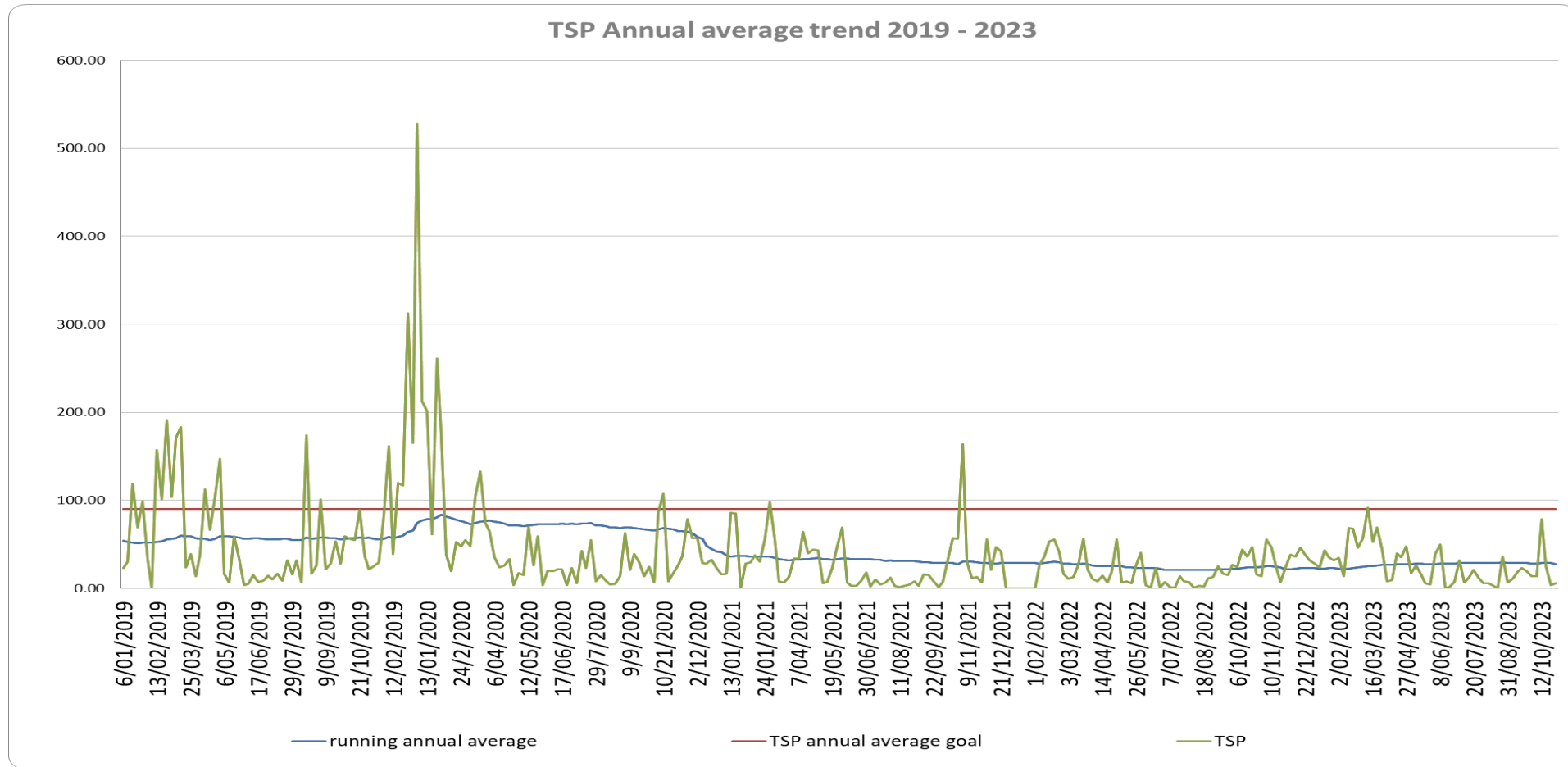


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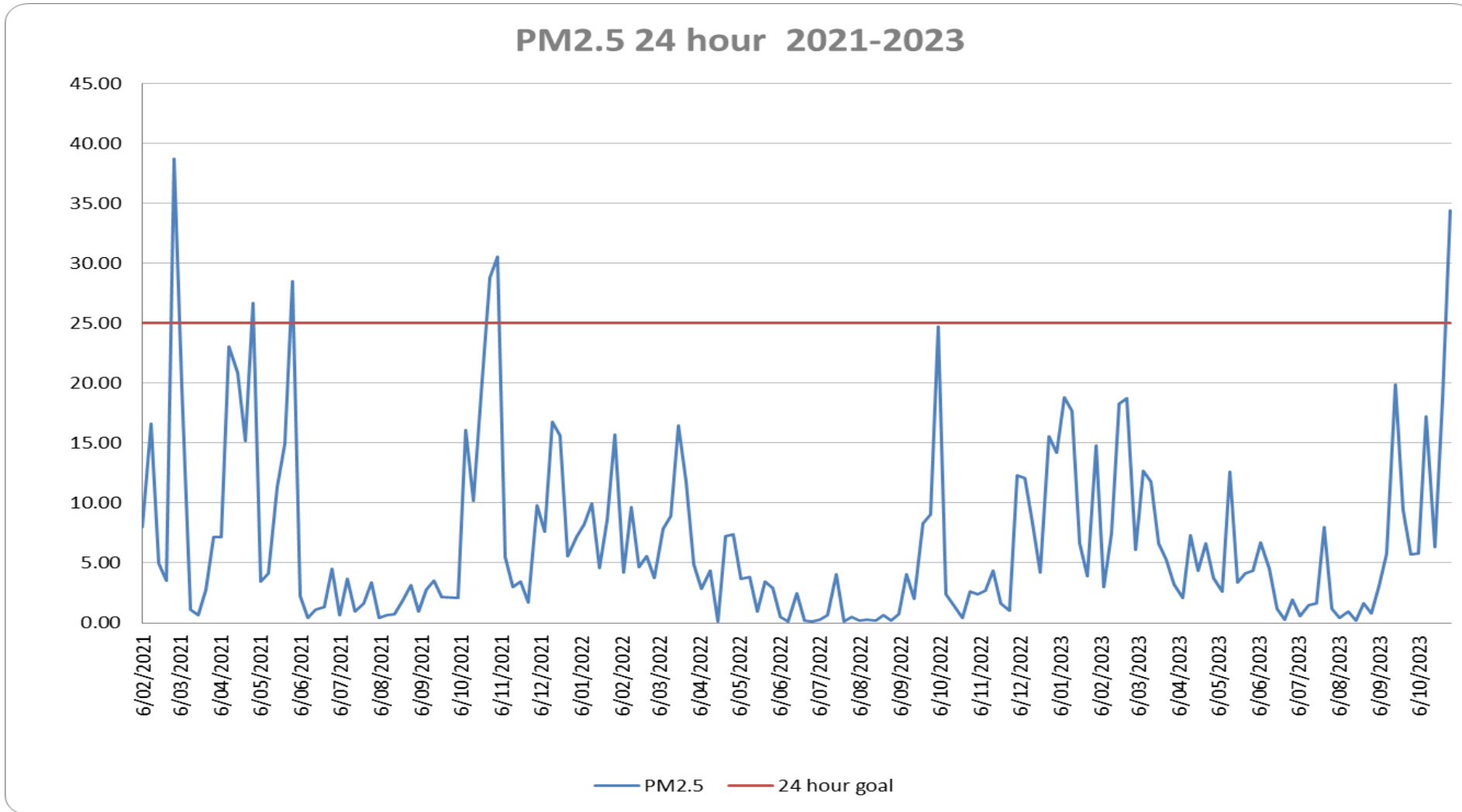


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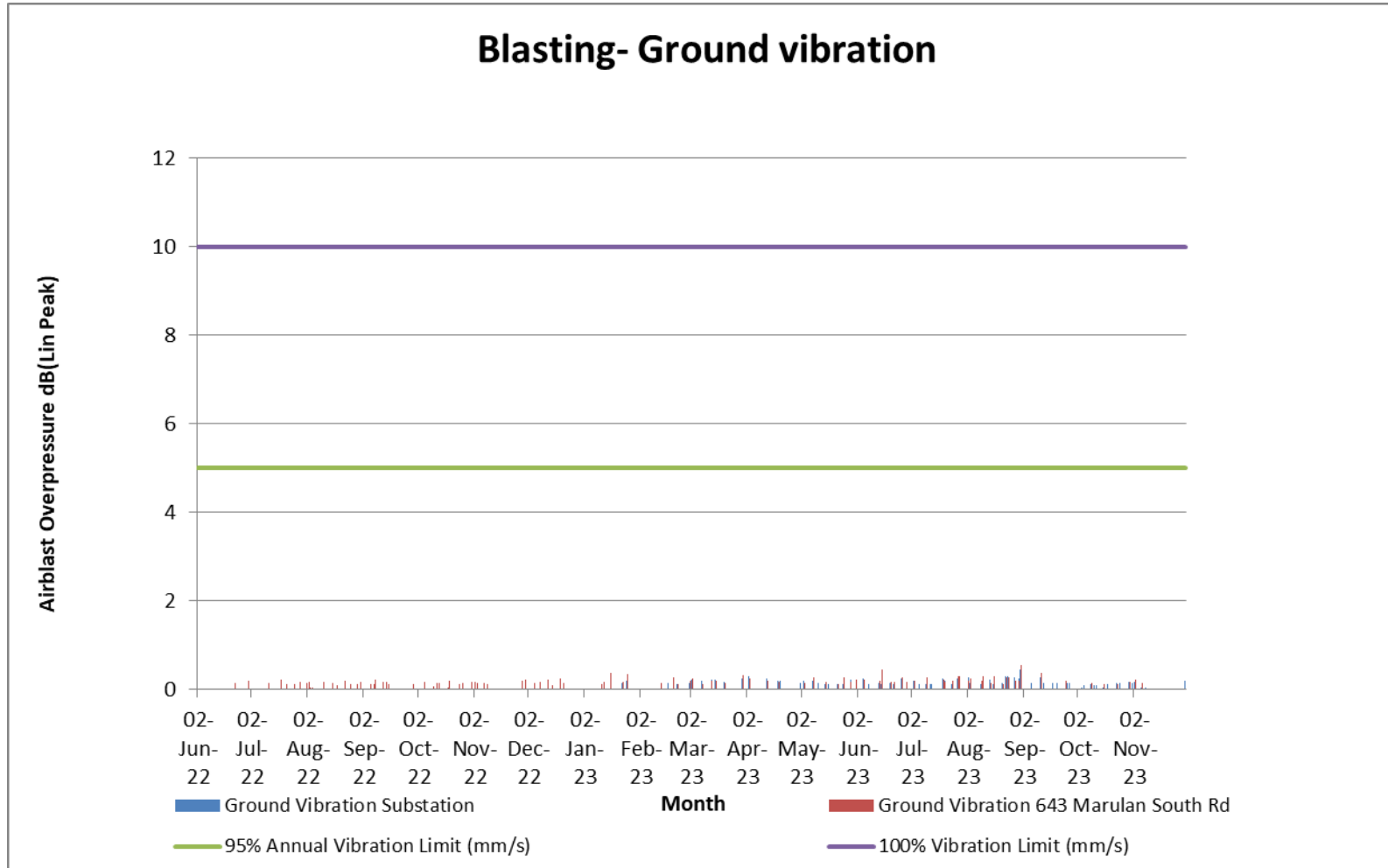
Noise – quarterly monitoring



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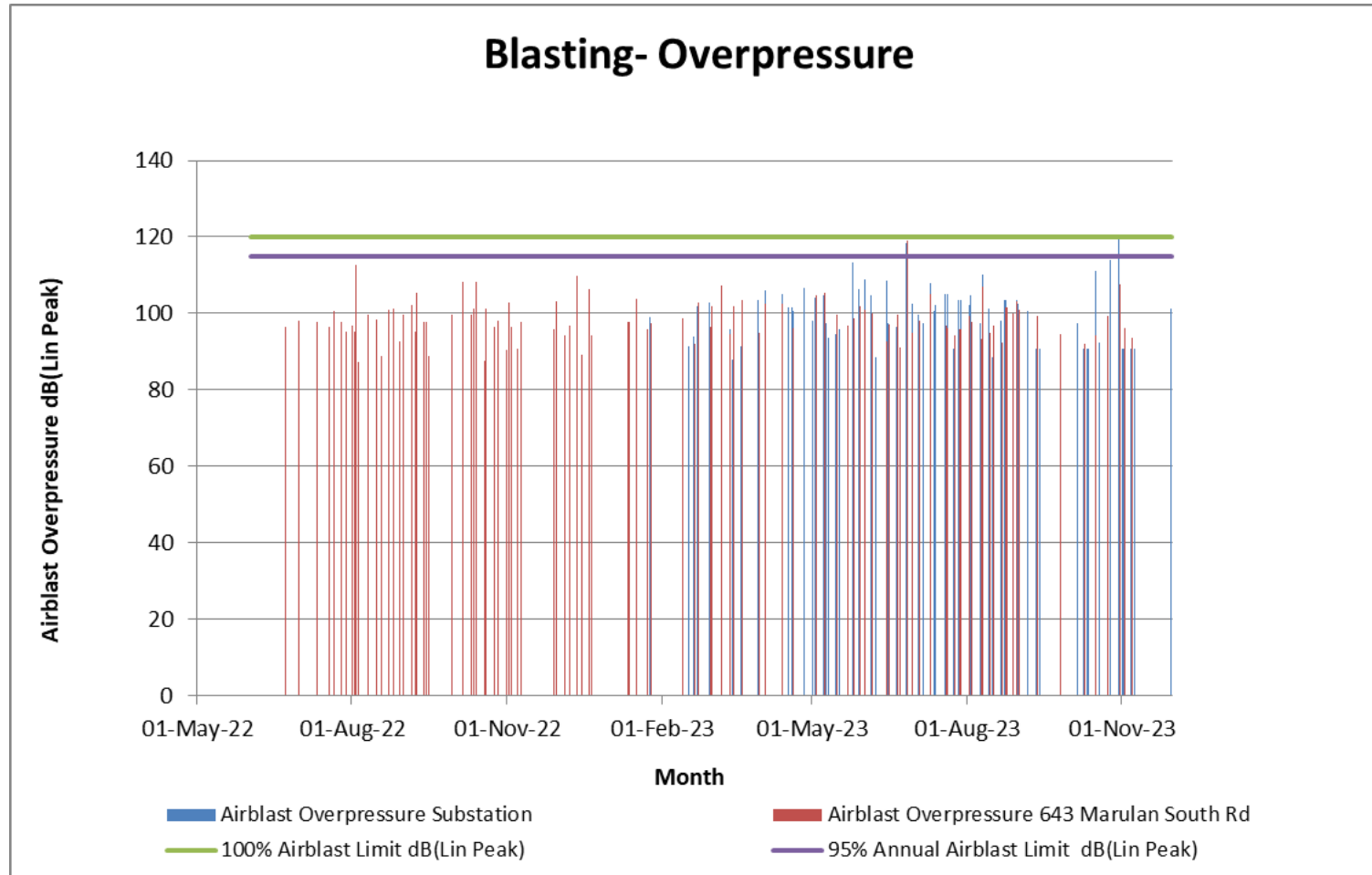
Next round due in December.

Blasting - Ground Vibration



In Compliance

Blasting – Overpressure



In Compliance

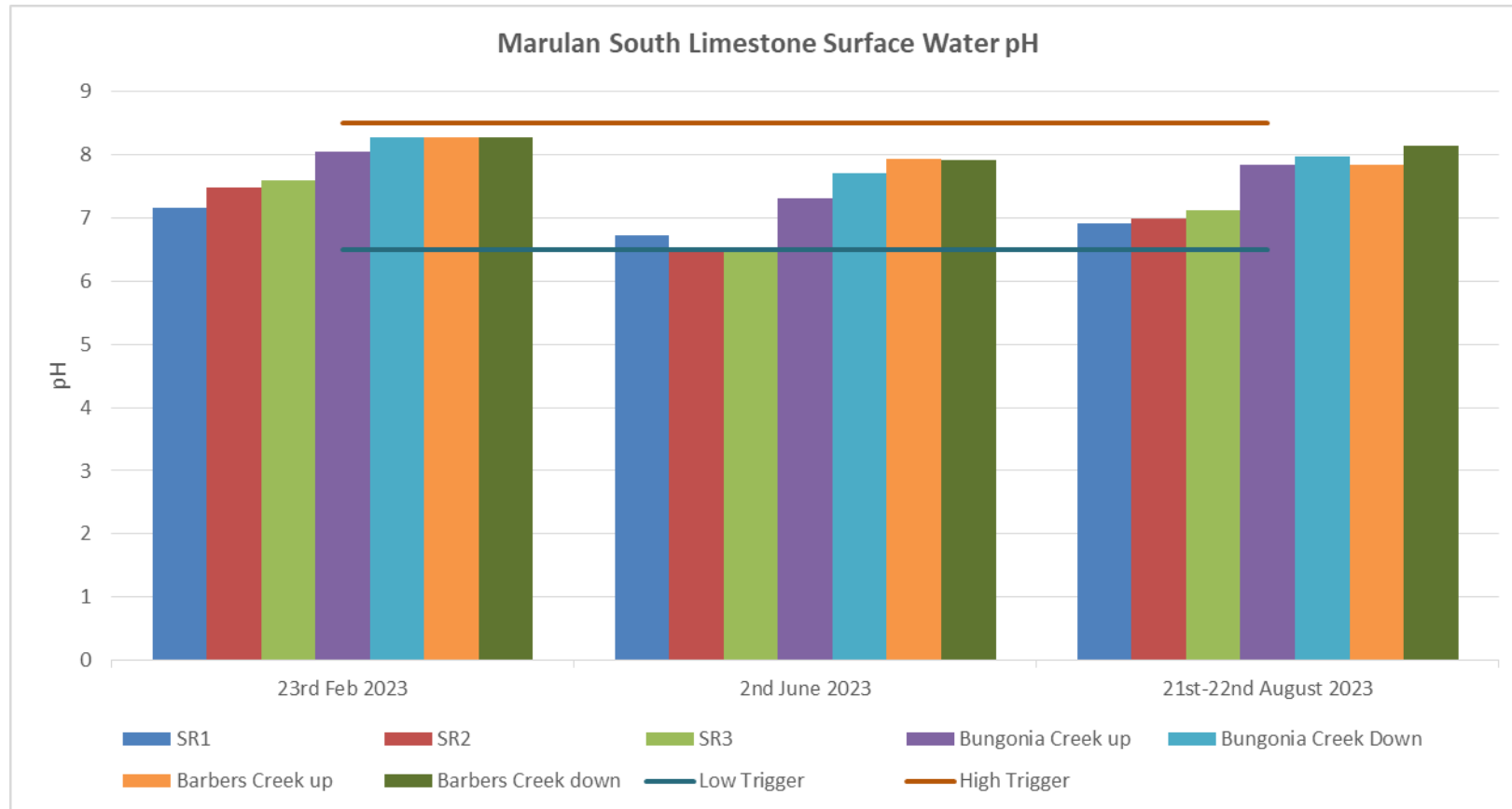
Surface Water



Quarterly monitoring round undertaken 21st-22nd August 2023

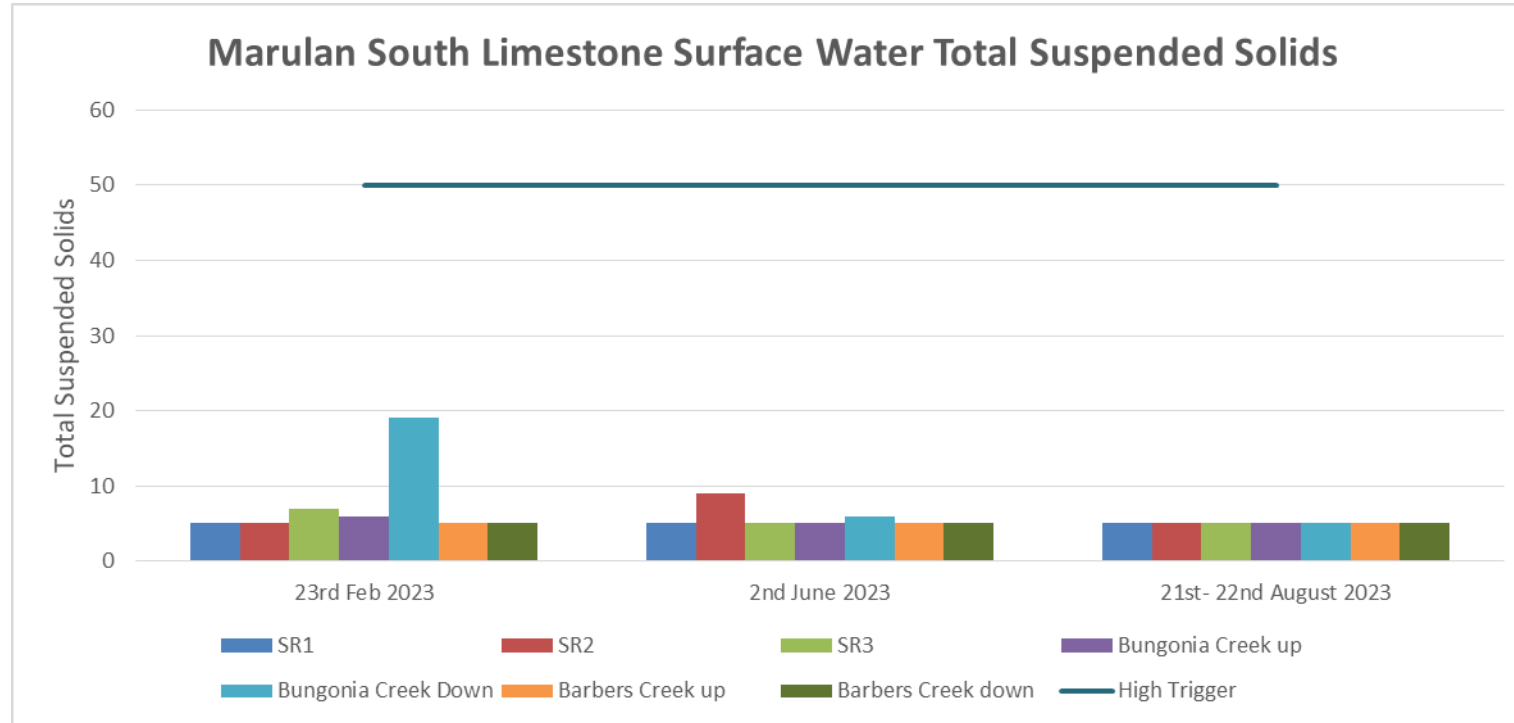
No issues with water supply or quality over the last 3 months

Surface water - pH



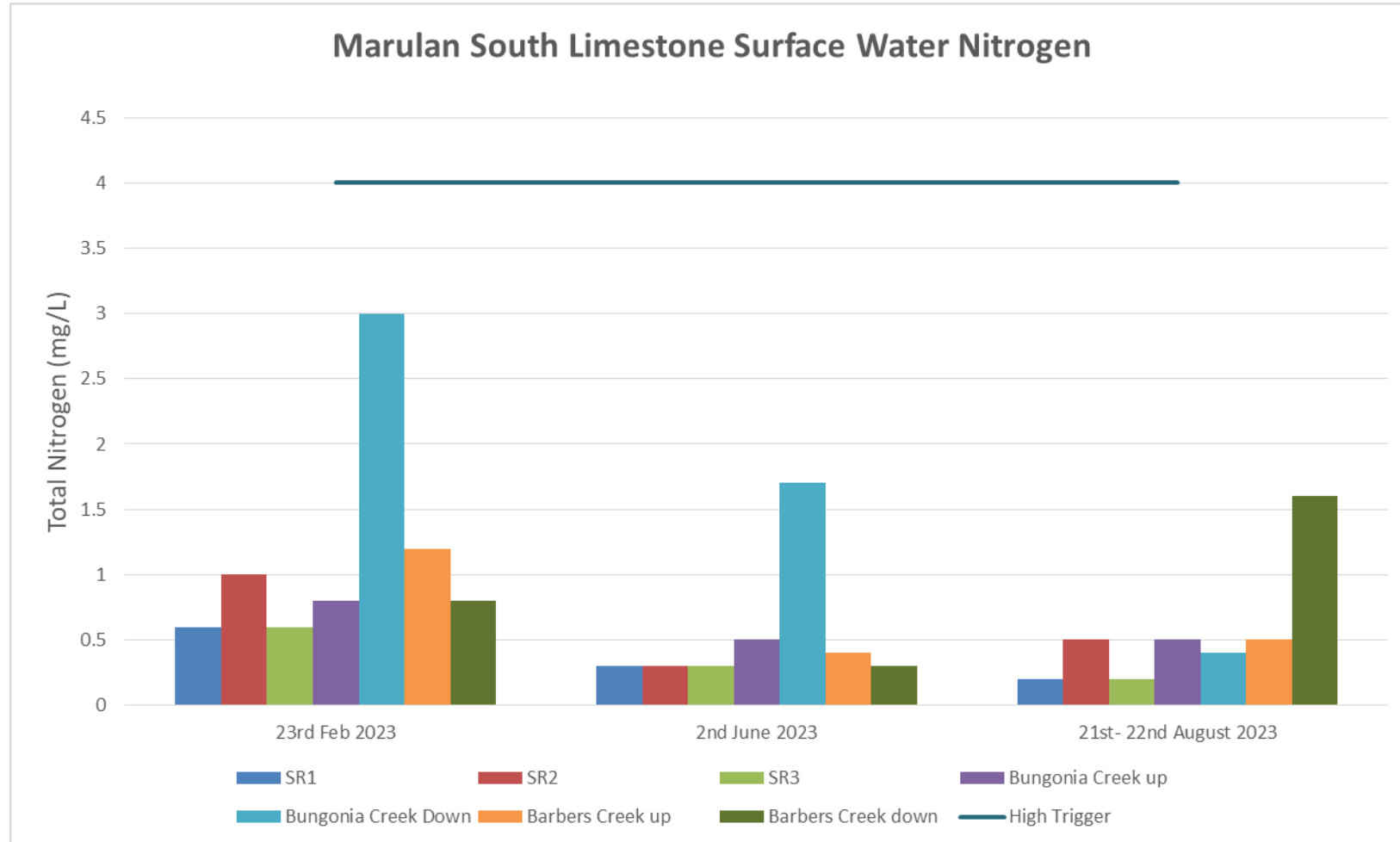
Within guideline limits

Surface water – Total Suspended Solids



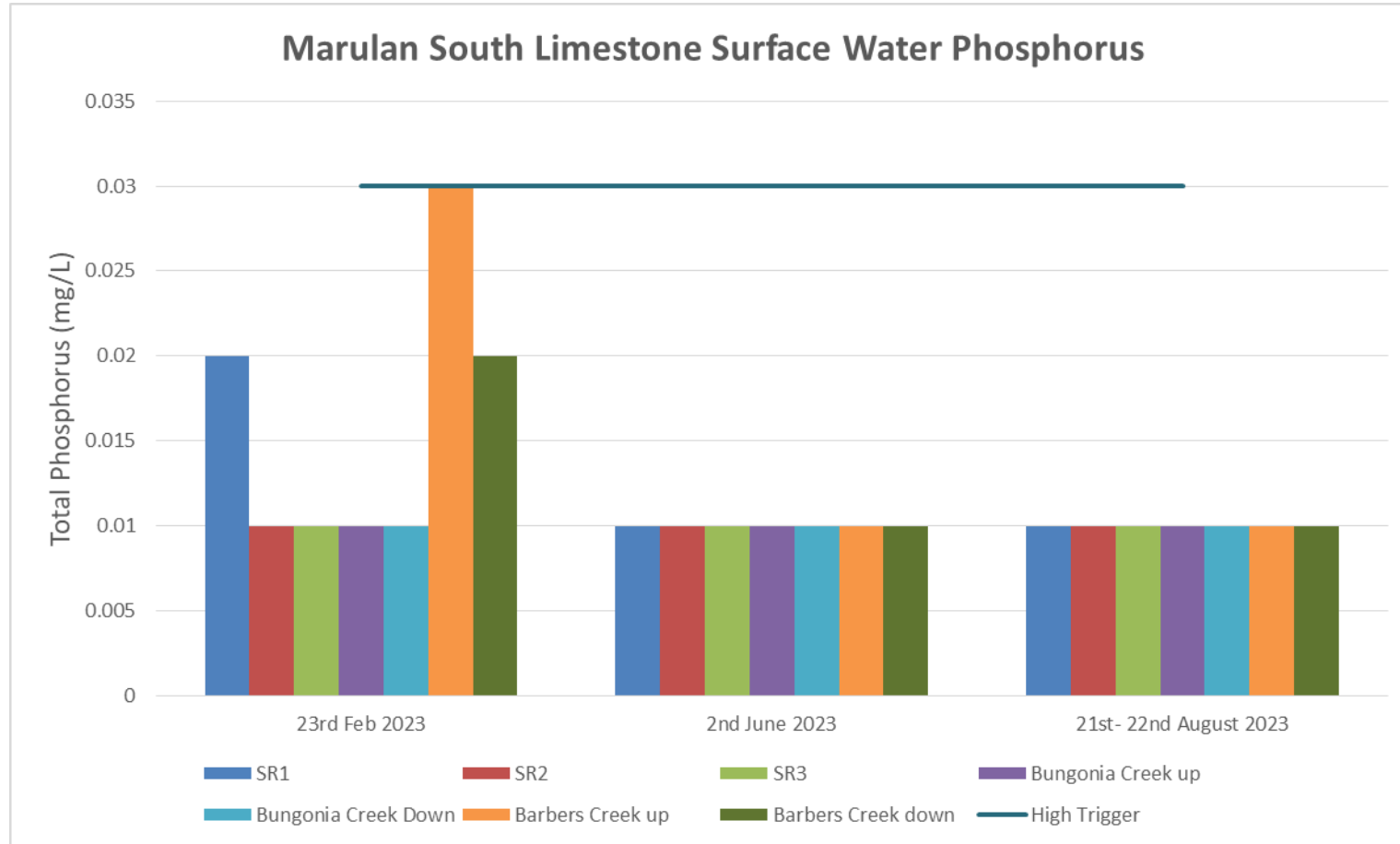
Within guideline limits

Surface water – Nitrogen



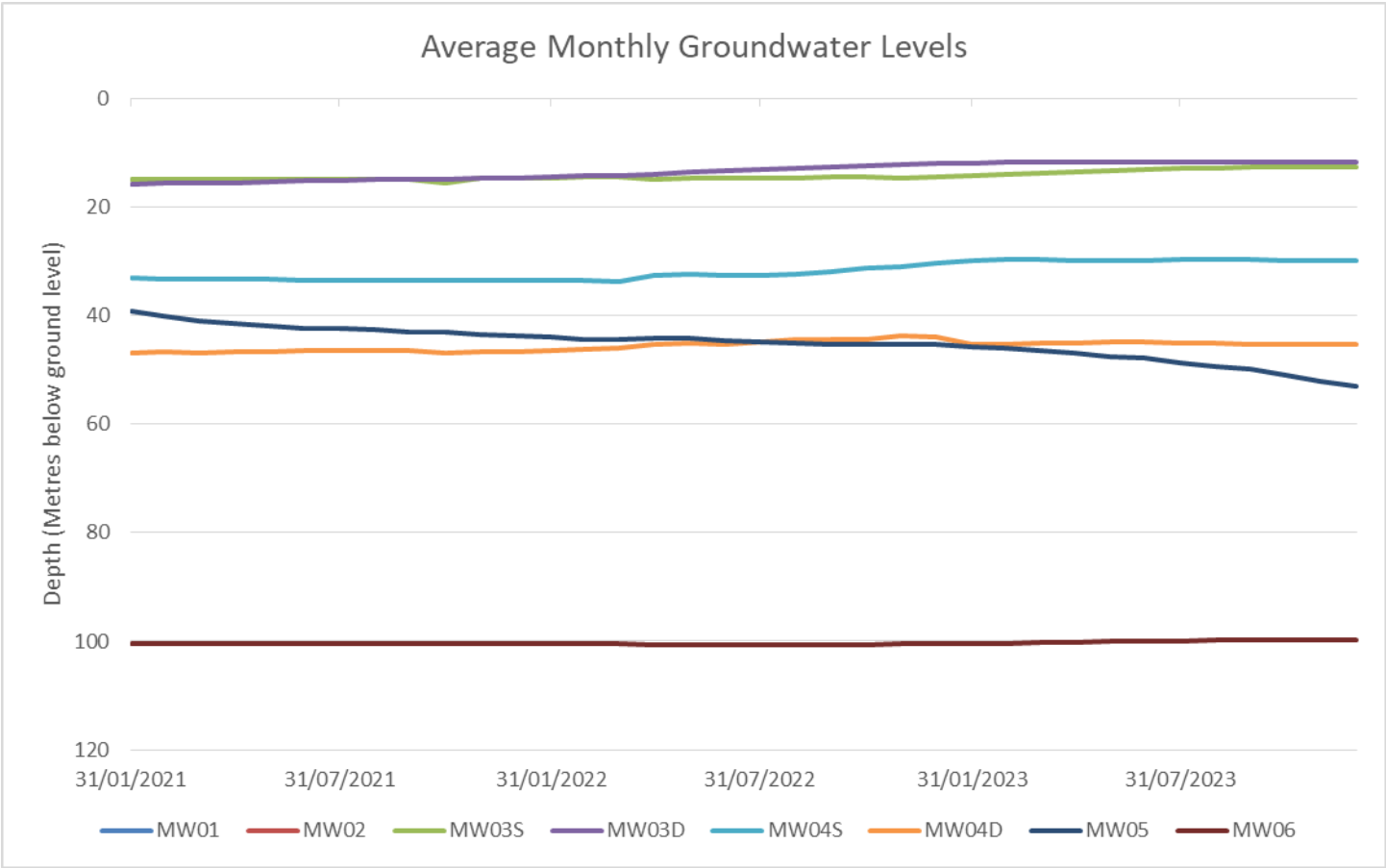
Within guideline limits

Surface water – Phosphorus

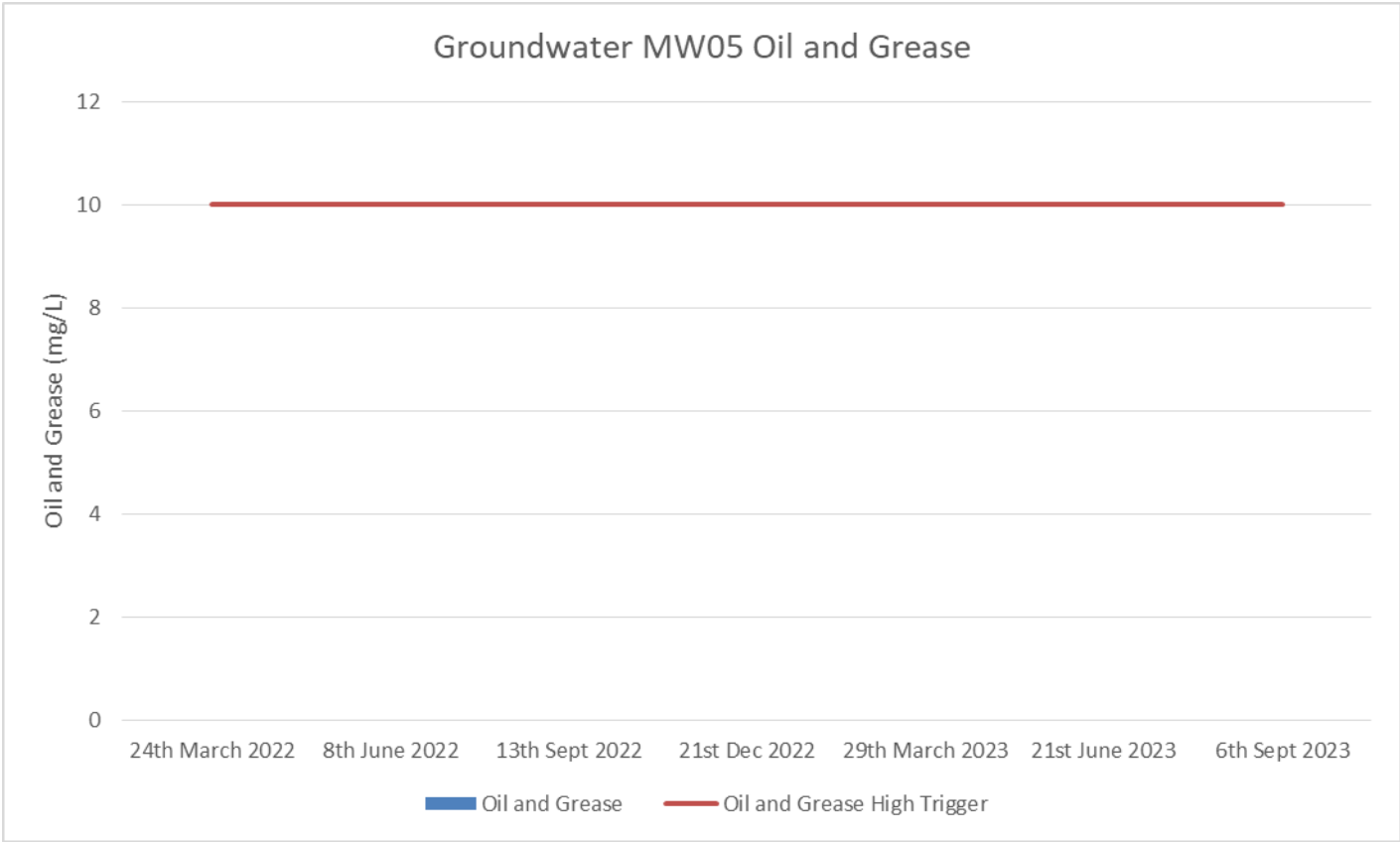


Within guideline limits

Ground water

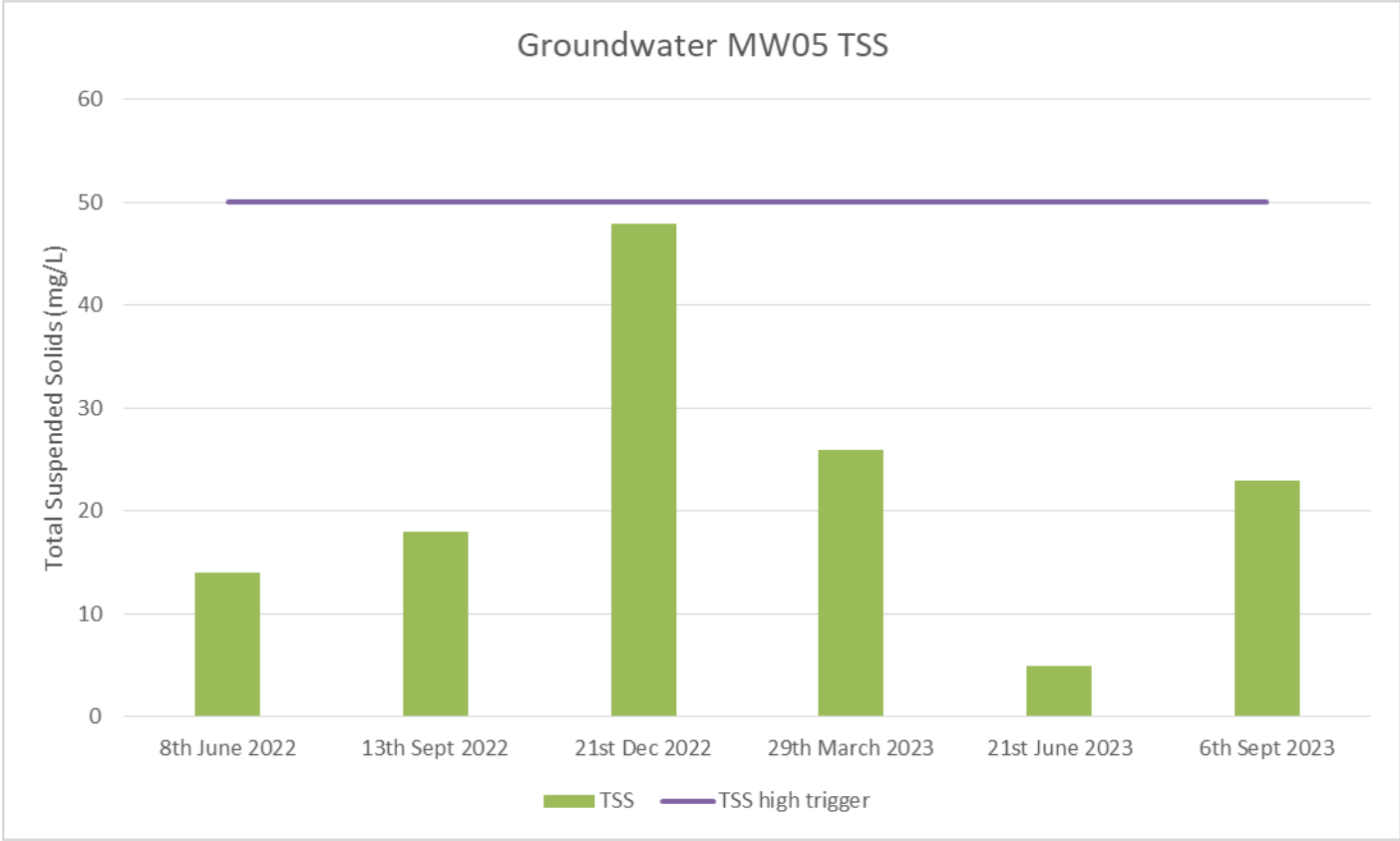


Ground water



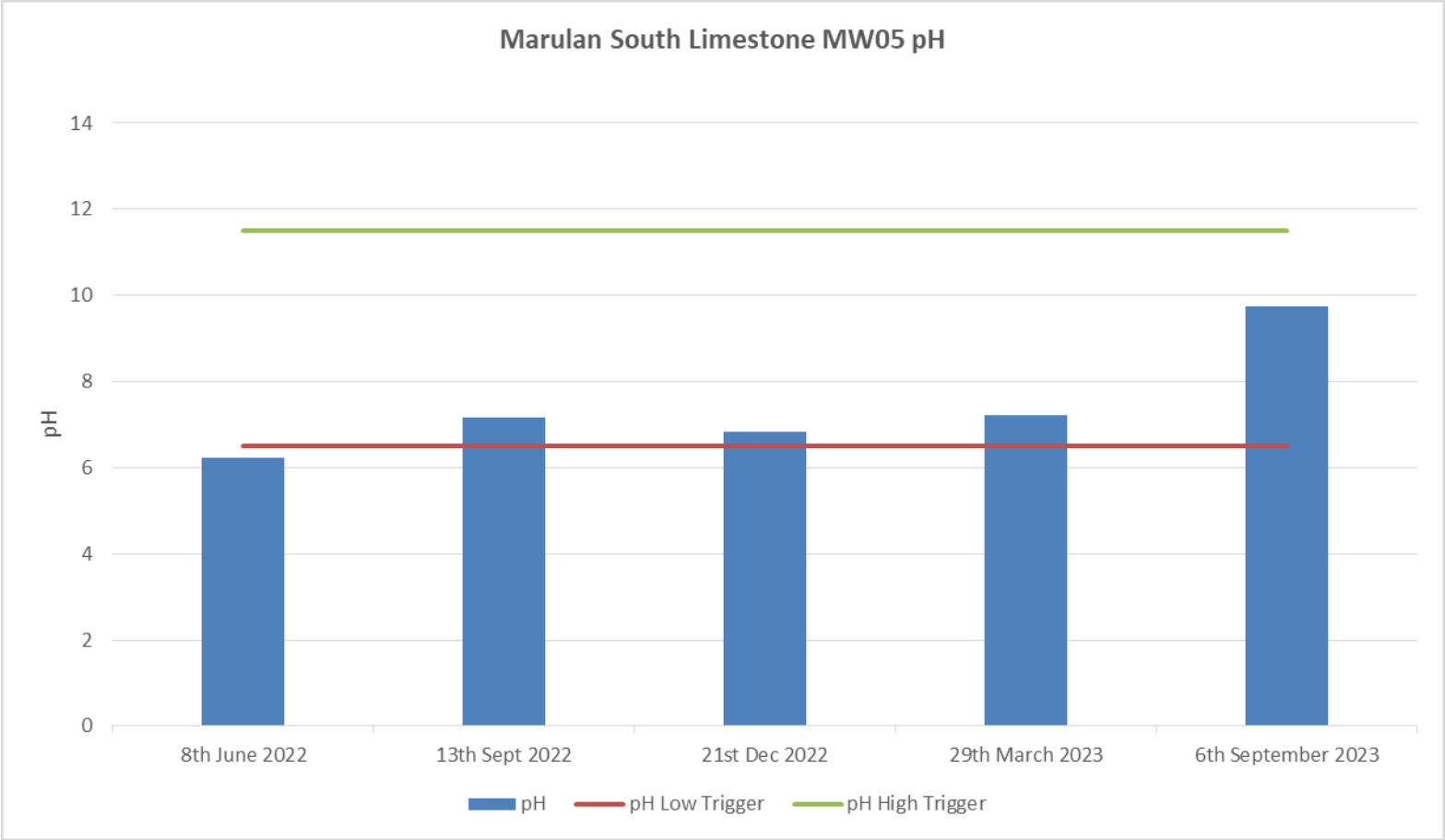
Within Guideline Limits: No oil and Grease detected

Ground water



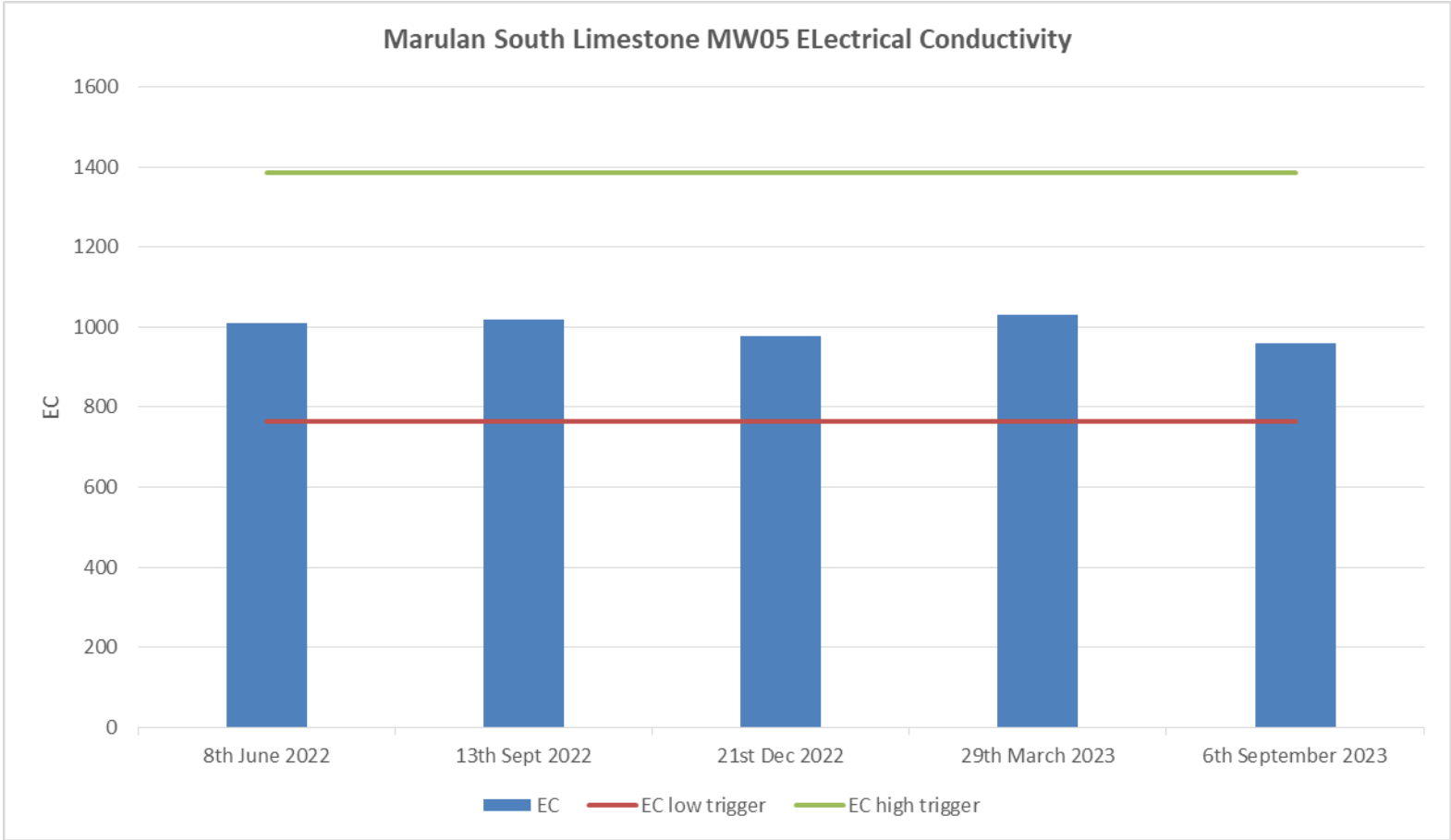
Within guideline limits

Ground water



Within guideline limits

Ground water



Within guideline limits

Ecology



- 4Ha hydromulching and 1300 trees deferred to Autumn due to forecasted hot, dry summer.
- Weed Control: Control undertaken on Tussock, Pampas and Thistle
- Pest Control: Aerial Cull in conjunction with NPWS



Heritage



- Historic Heritage works completed across the site with excavation and archiving of the old kiln group
- Second round of Aboriginal Artefact collection to commence March 2024

07

Stakeholder
Engagement

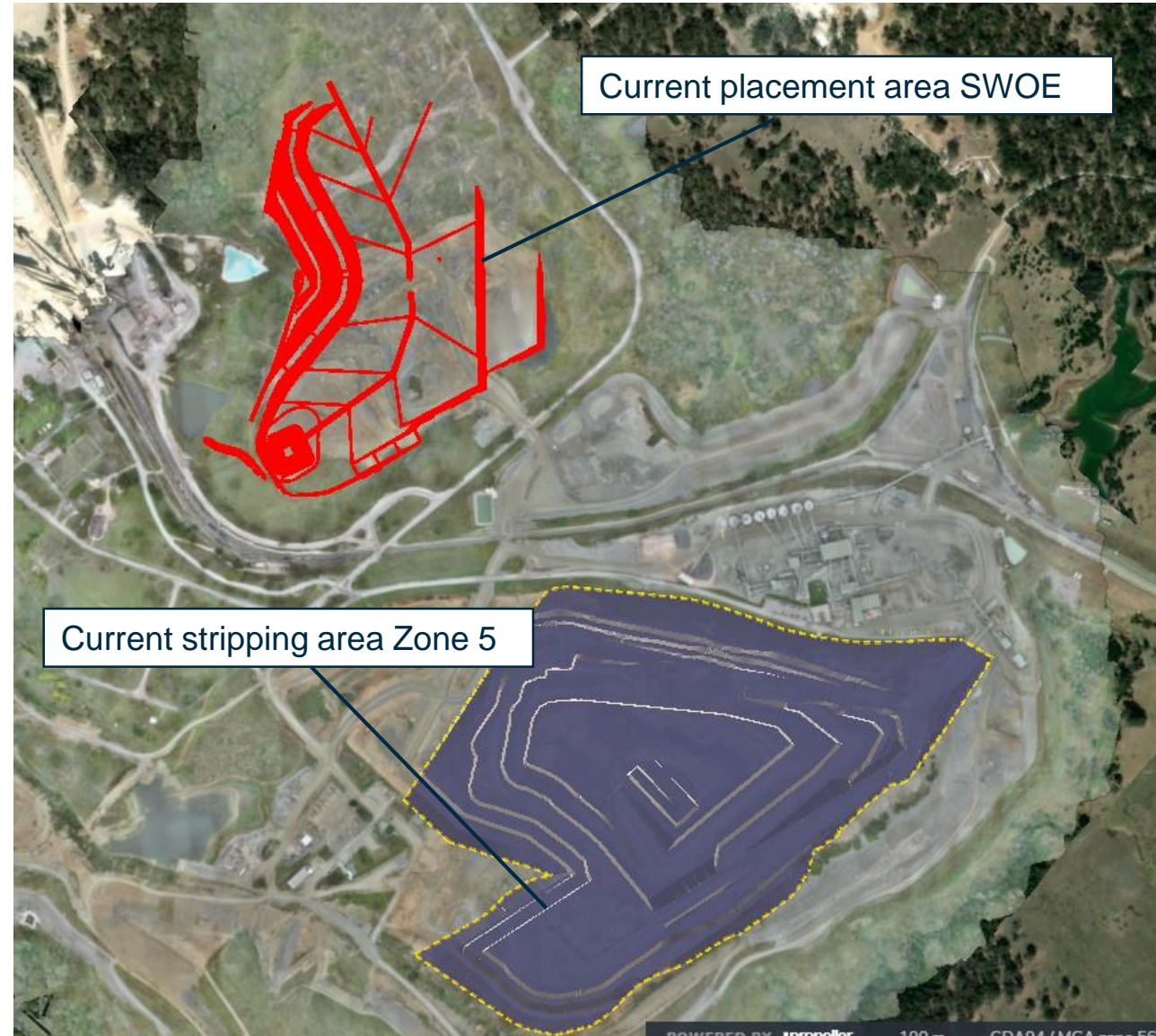


- **900 copies of the Marulan Newsletter printed on a monthly basis for the Marulan Community**
- **Goulburn Community Bike Day Sponsored**
- **Tallong Public School Presentation Day- Sponsored the Boral Numeracy Award.**
- **Purchased Ngunnawal Plant Use Books from the Bungonia Focus Group after attending Bungonia Bush Tucker Garden Tour**



08

Operations
Next 3 months





Peppertree Quarry

Safety

Focus on the "life saving commitments"- particular focus for the year is "Injury free in 2023" focus on Hot weather and hazard reporting which will help to reduce incidents.

Overburden

Continue to strip in a Southerly direction.

Pit Update

Metso has been realigned to follow overburden stripping in a Southerly direction

Processing (STQ)

Continue to supply aggregates and sand to Sydney metro.

Transport

Commence product despatches by truck from shared road sales stockpile area as per Marulan South Limestone development consent.

People

New Maintenance Admin Role

Marulan South Limestone



Safety

Focus on VOC renewal and new apprentice training. Implementation of new Employee Assistance Program (EAP), Sonder.

Overburden

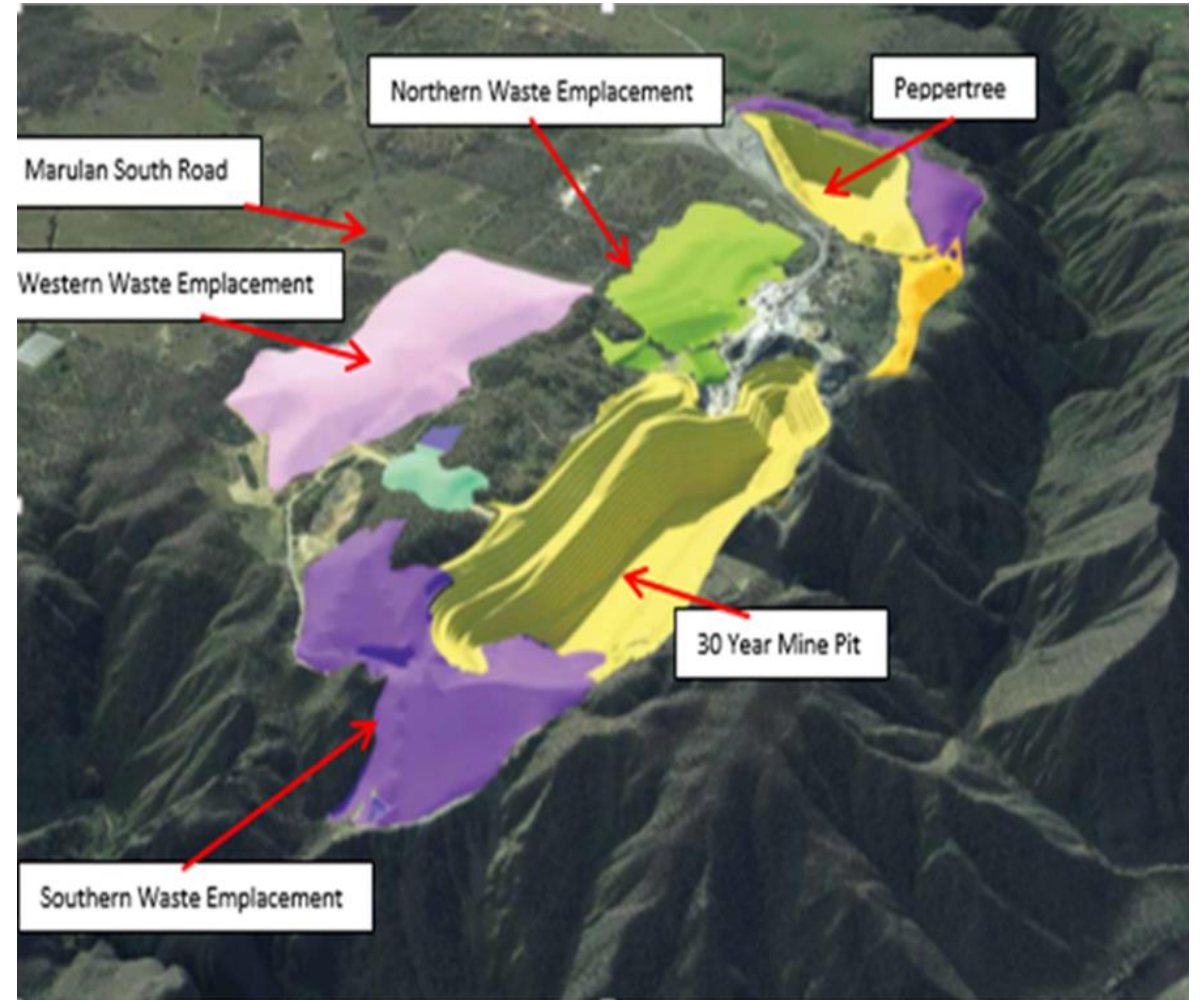
Work ongoing to replace some of the ageing process infrastructure. Overburden from the North-East and West of pit continues to be placed in the South and Western overburden emplacements.

Pit Update

Limestone extraction will continue in the North and Central areas of the pit. Finalising the RMP in order to move to new emplacement areas as defined in the EIS.

People

As part of commitment to the local community, three apprentices from the local catchment area will be engaged in 2024; mechanical fitter, electrical and welder/fabrication along with the recruitment of a new Maintenance Manager and Technical Manager.





09

General Business



Other :

Next meeting

March 2024



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Thanks for your participation