



Building
something
great

Community Consultative Committee

Peppertree Quarry & Marulan South Limestone
September 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 - December 2023





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01

Welcome and apologies



02

**Confirmation of
minutes**



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03

Business arising



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04

Correspondence June 2023 – Aug 2023



Peppertree Quarry

Department of Planning and Environment

Nil

EPA

Submission of Annual Returns

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

- Approval of Mining Lease
- Mine and dump stages for Rehabilitation Management Plan (RMP) have been drafted
- Regulator Targeted education program - Roads and other vehicle operating areas
- Desktop Audit- explosives
- Ongoing Planned Inspections including slope stability

Department of Planning and Environment

- Confirmation of New DA
- Annual Review submission date
- Notification of mining lease

Goulburn Mulwaree Council

- Work ongoing on designs of upgrade for Marulan South Road
- Weed Management Plan enquiry

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 for trips, slips and fall, confined space and Mental health first aid training.

Overburden

Overburden is being stripped focusing in a Southerly direction circa 1.5 million m³ has been moved. We will move into the next stage in September 2023 there 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

Roles in both STQ and Primary. New Quarry Manager and Environmental advisor.

Marulan South Limestone

Safety

Zero harm to people and environment since last meeting.

Ongoing commitment to maintain currency of employee skills including various trades and high-risk activities such as Working at Heights and Isolation. Mine regards employee health highly and provided free flu shots to all employees.

Overburden

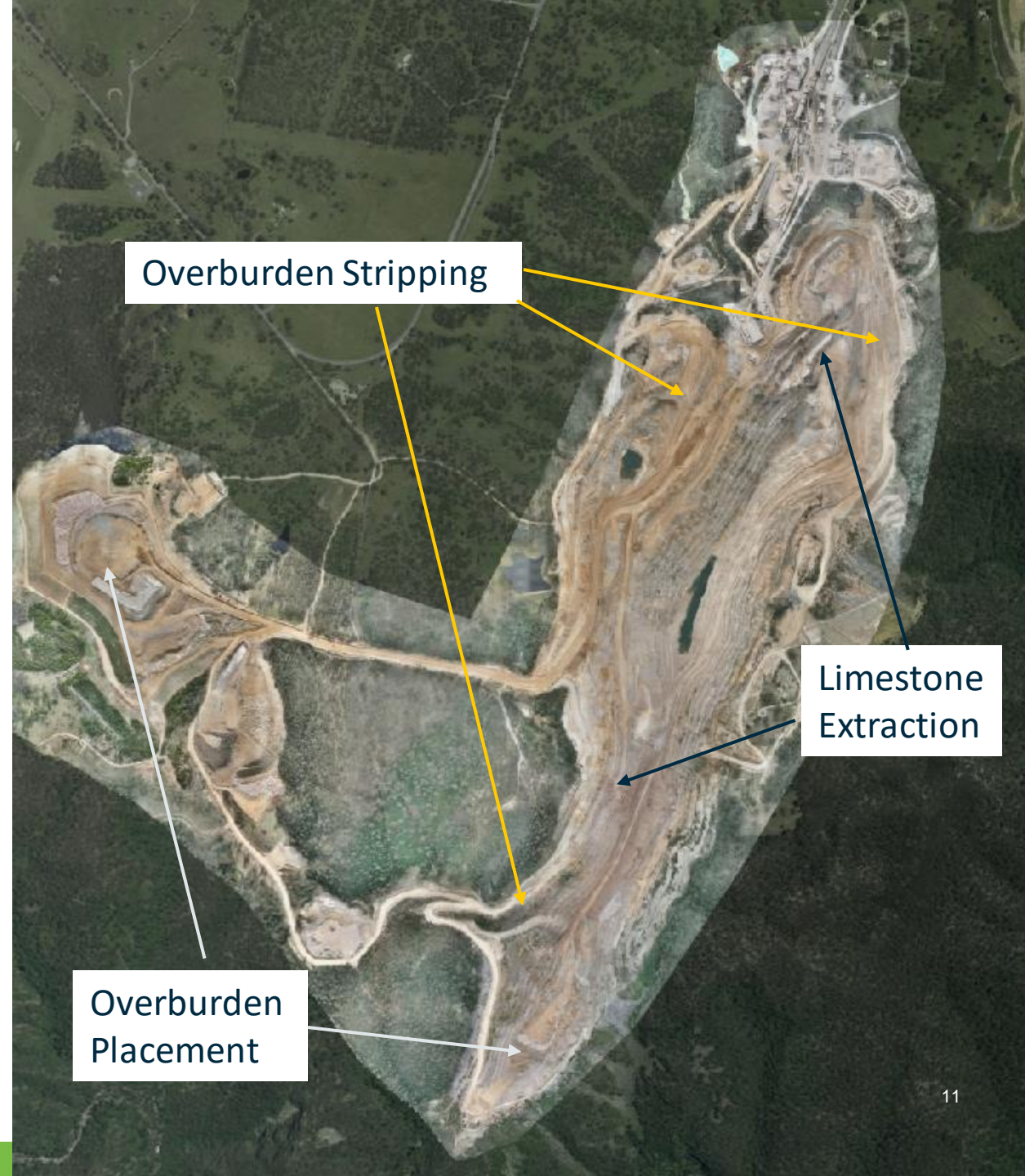
Overburden stripping has been progressing at a steady 375,000t/month.

Limestone Extraction

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

People

Total of 99 employees on site. Production operator celebrated 10-year anniversary. One new full time mechanical fitter and a 4th year apprentice welder made permanent



06

Environmental Performance



06.1

Environmental Performance
Peppertree Quarry

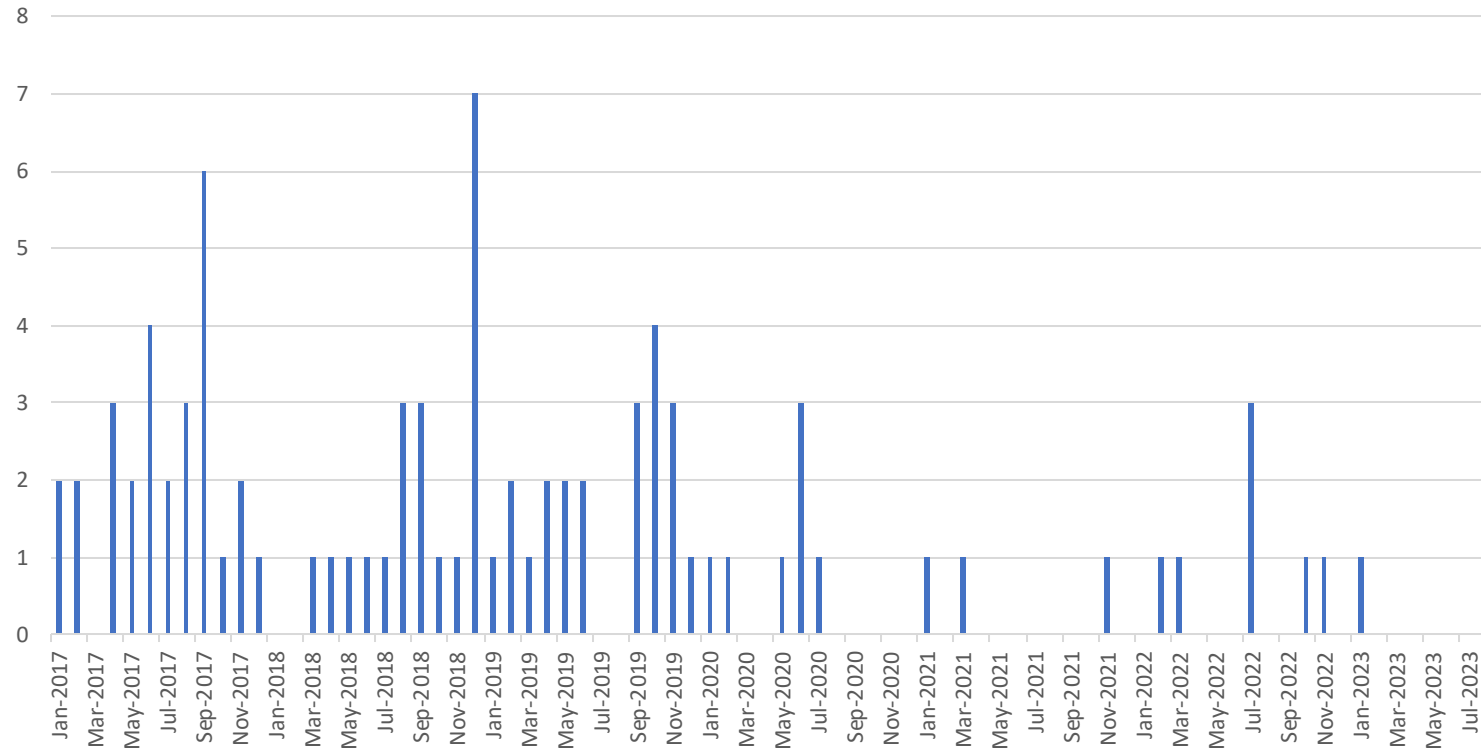


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Environmental Incidents Jan 2017 to August 2023



Incidents Jan 2017- August 2023

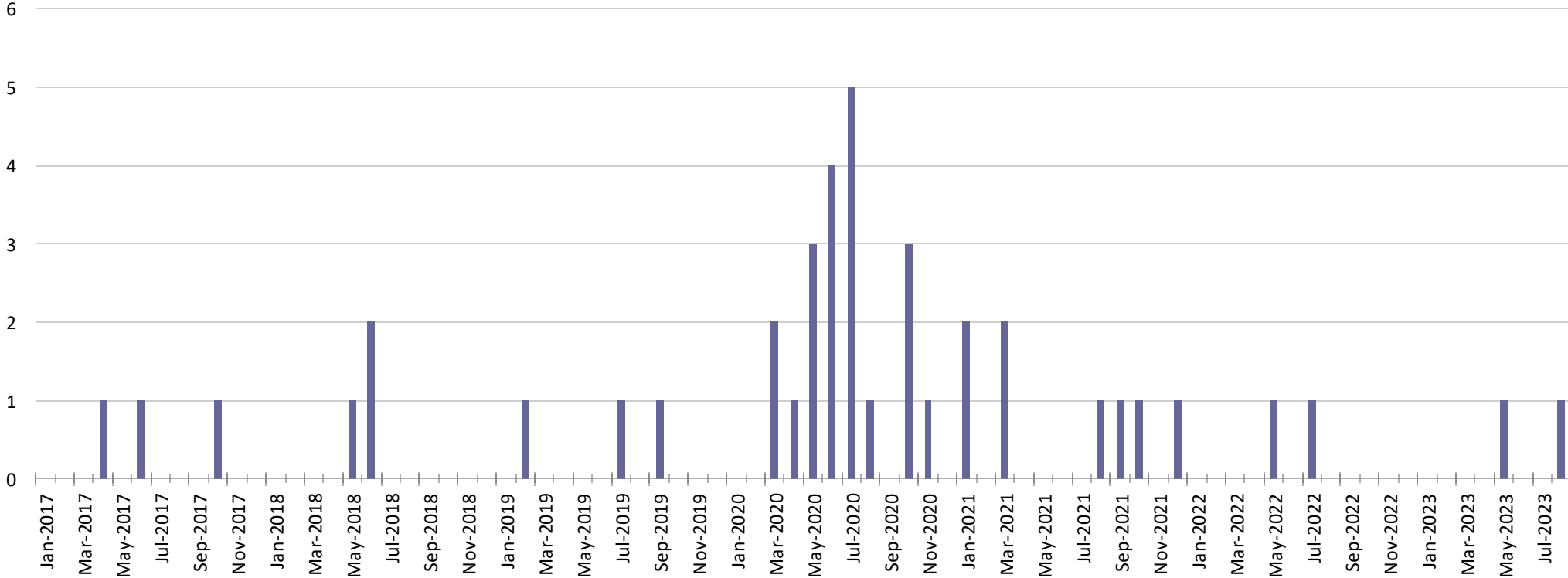


Nil Incidents (June – August)

Environmental Complaints Jan 2017 to August 2023



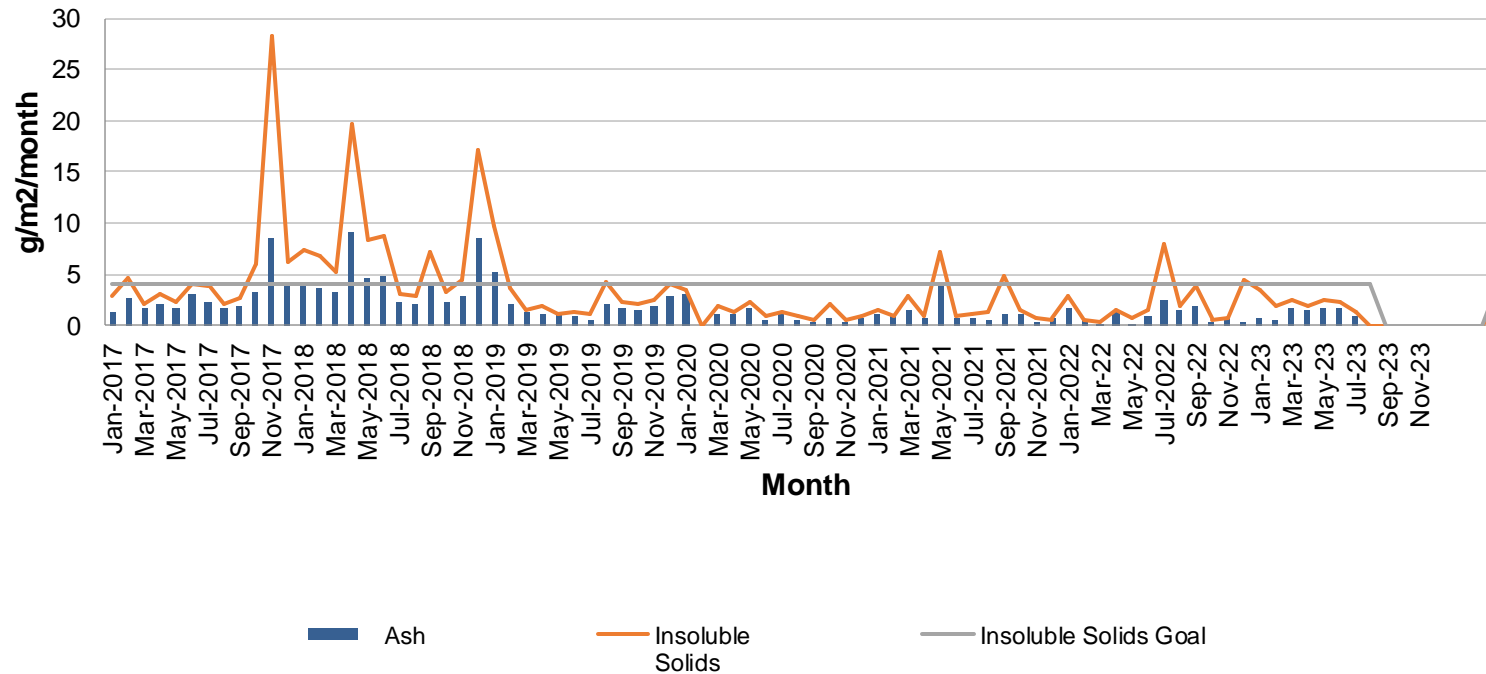
Complaints 2017 to August 2023



> Noise – 1 (Aug)

Air – Dust deposition Gauge D1

Peppertree Quarry Deposited Dust 2017 - 2023
Onsite (NW boundary)

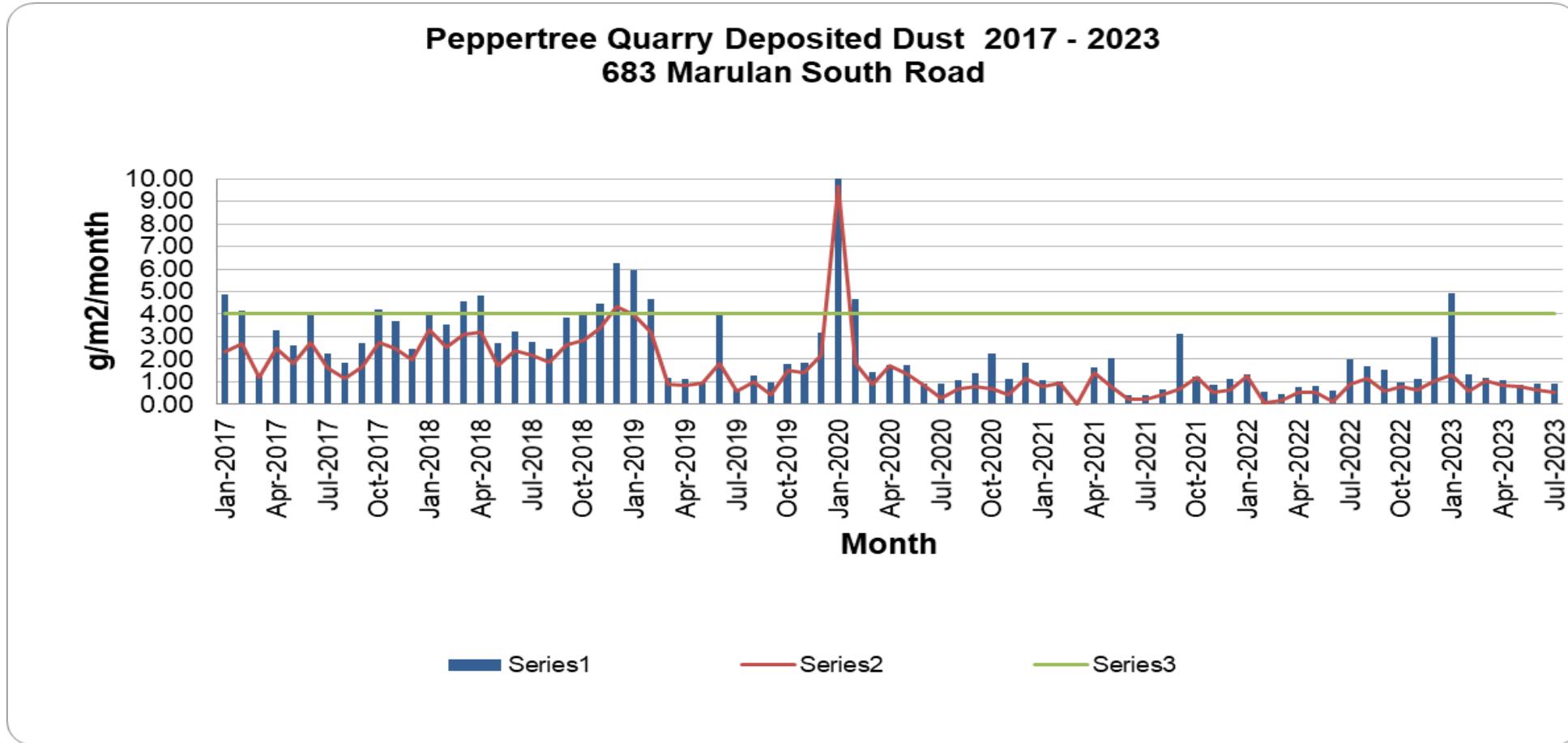


Annual Average goal of 4gm²/month

In compliance

Annual average below goal at the boundary

Air – Dust Deposition Gauge D2

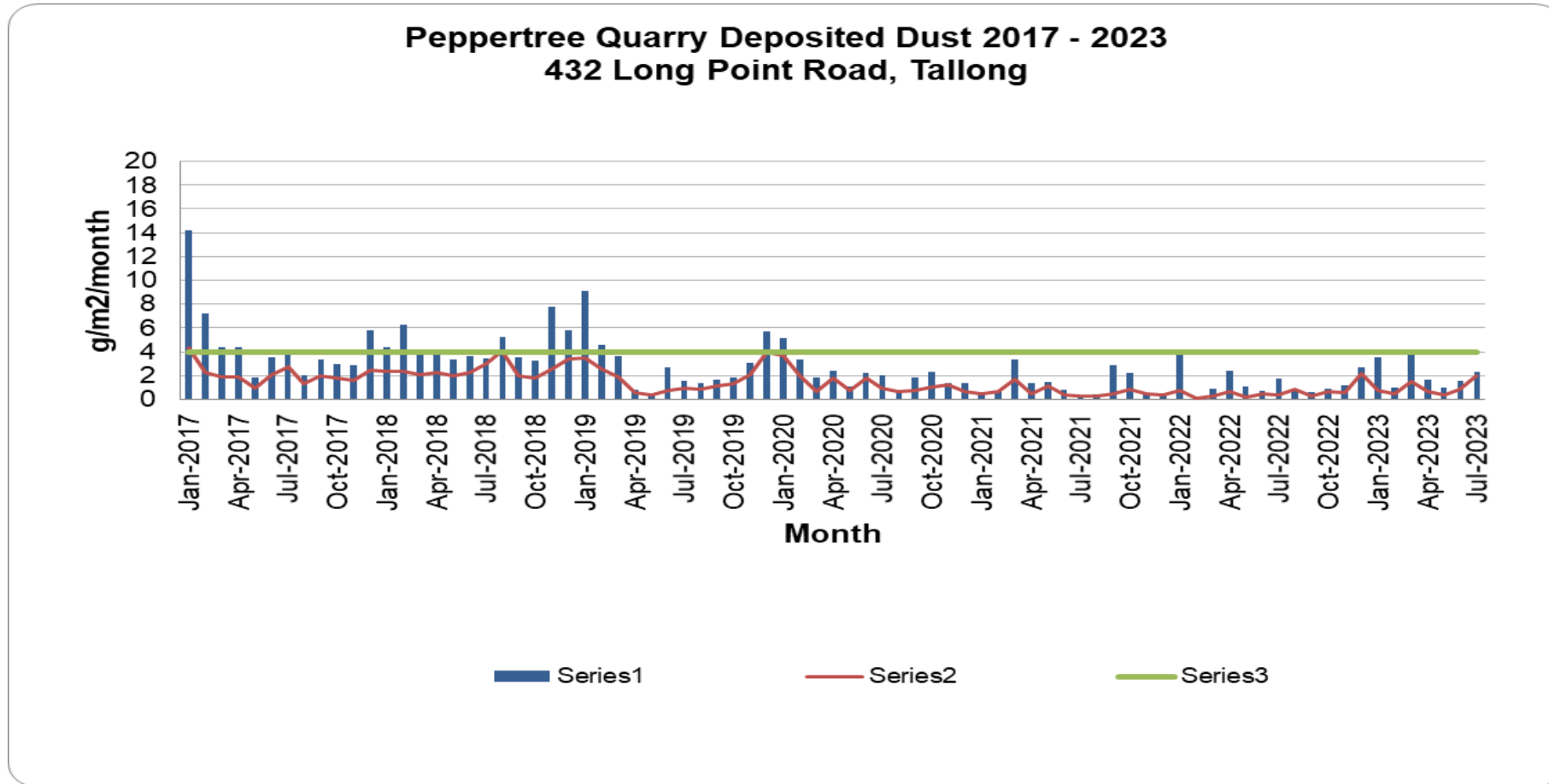


Annual Average goal of 4gm²/month

In compliance

Annual average below goal at the boundary

Air – Dust Deposition gauge D3

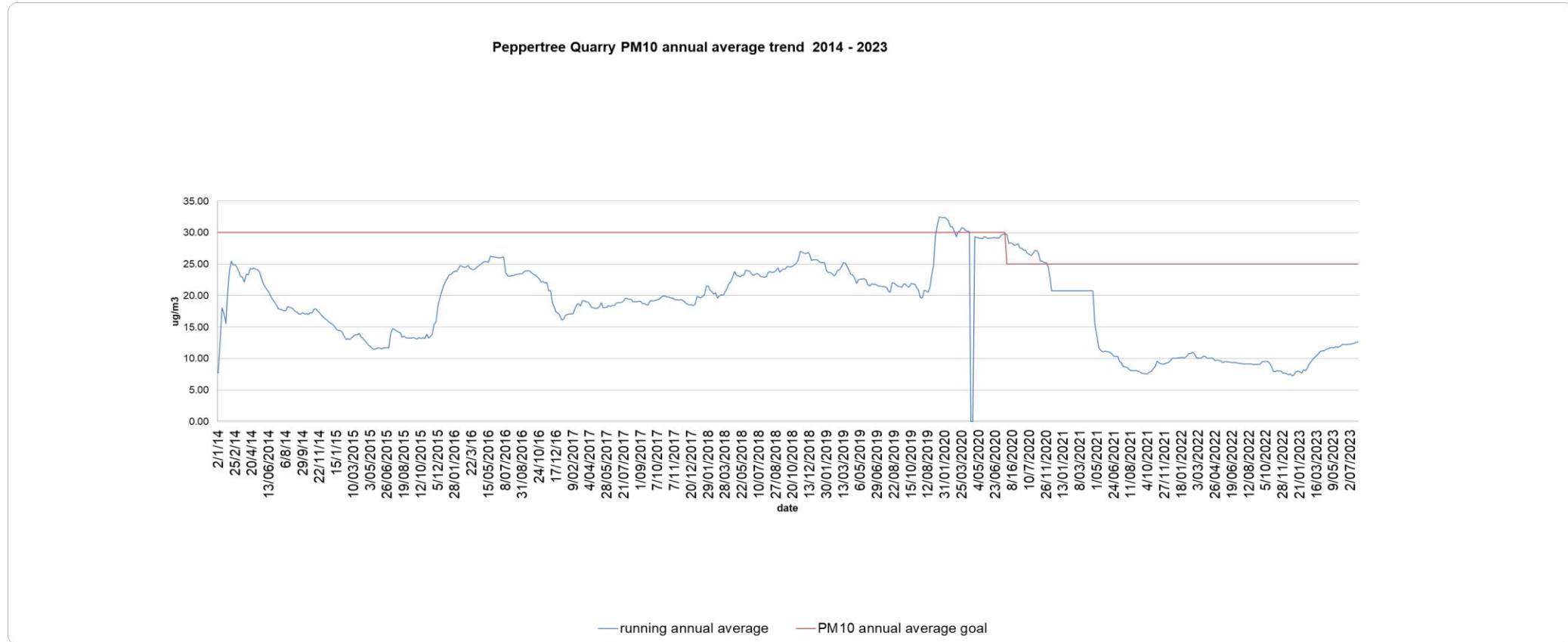


Annual Average goal of 4gm²/month

In compliance

Annual average below goal at the boundary

Air – PM10 annual average

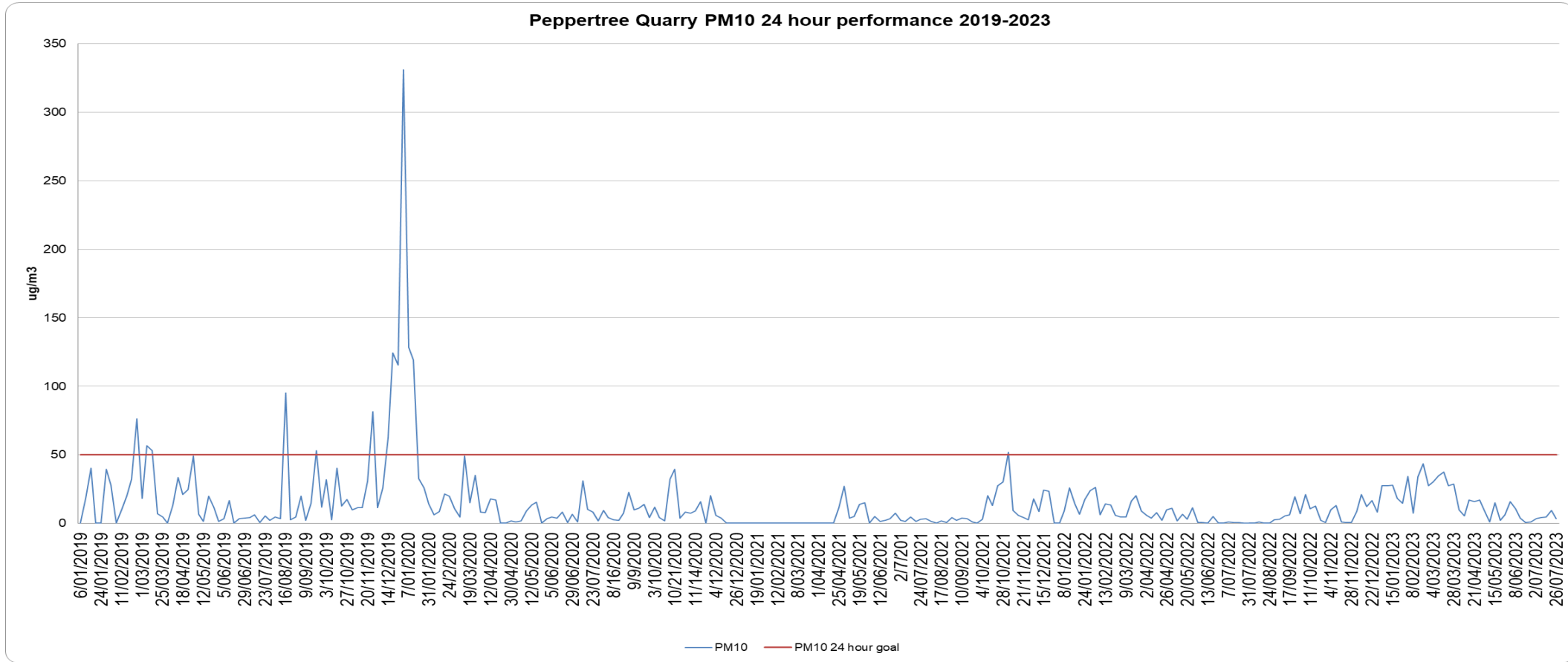


Annual Average goal of 25ug/m³

In compliance

Annual average below goal at the boundary

Air – PM10 24 Hour performance

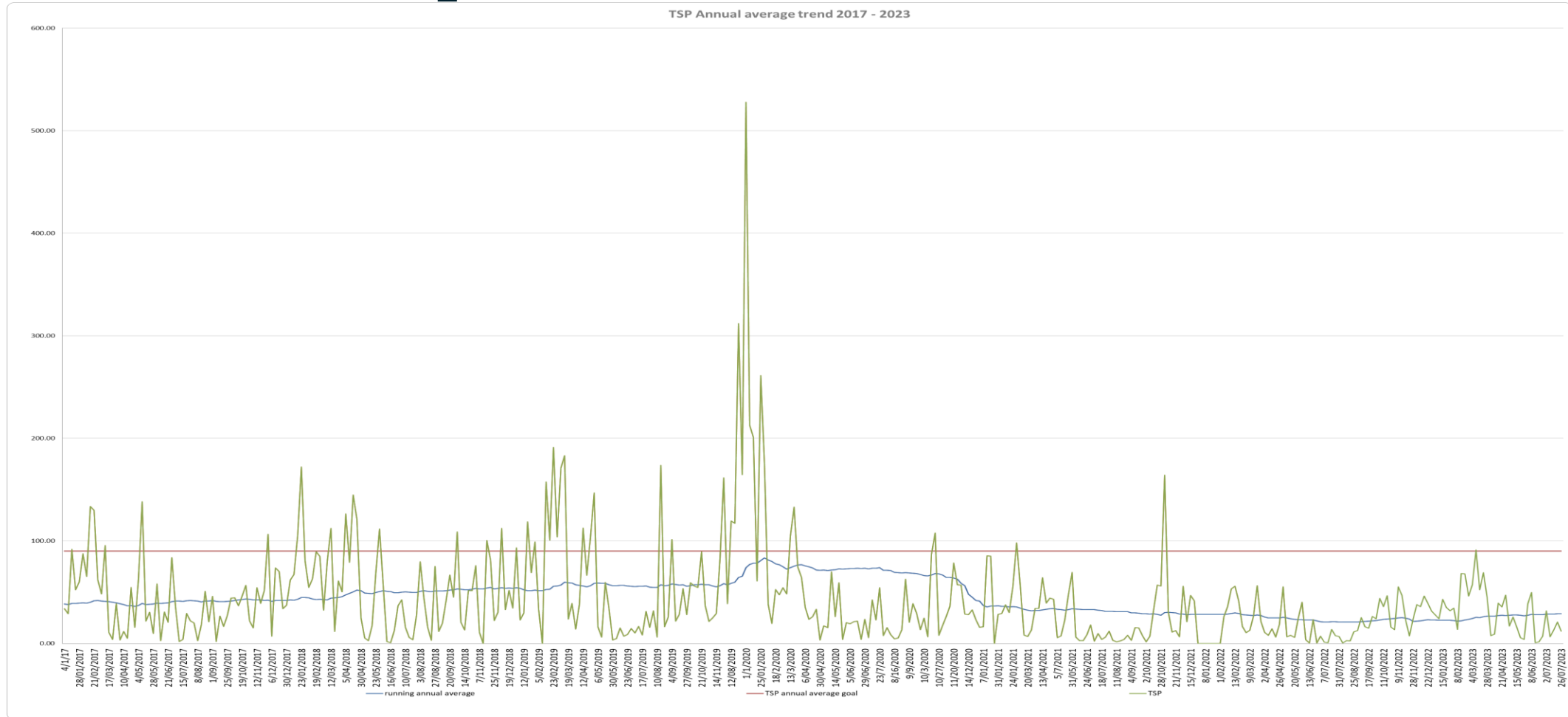


24 hour goal of 50 $\mu\text{g}/\text{m}^3$

In compliance

Annual average below goal at the boundary

Air – Total Suspended Particulates

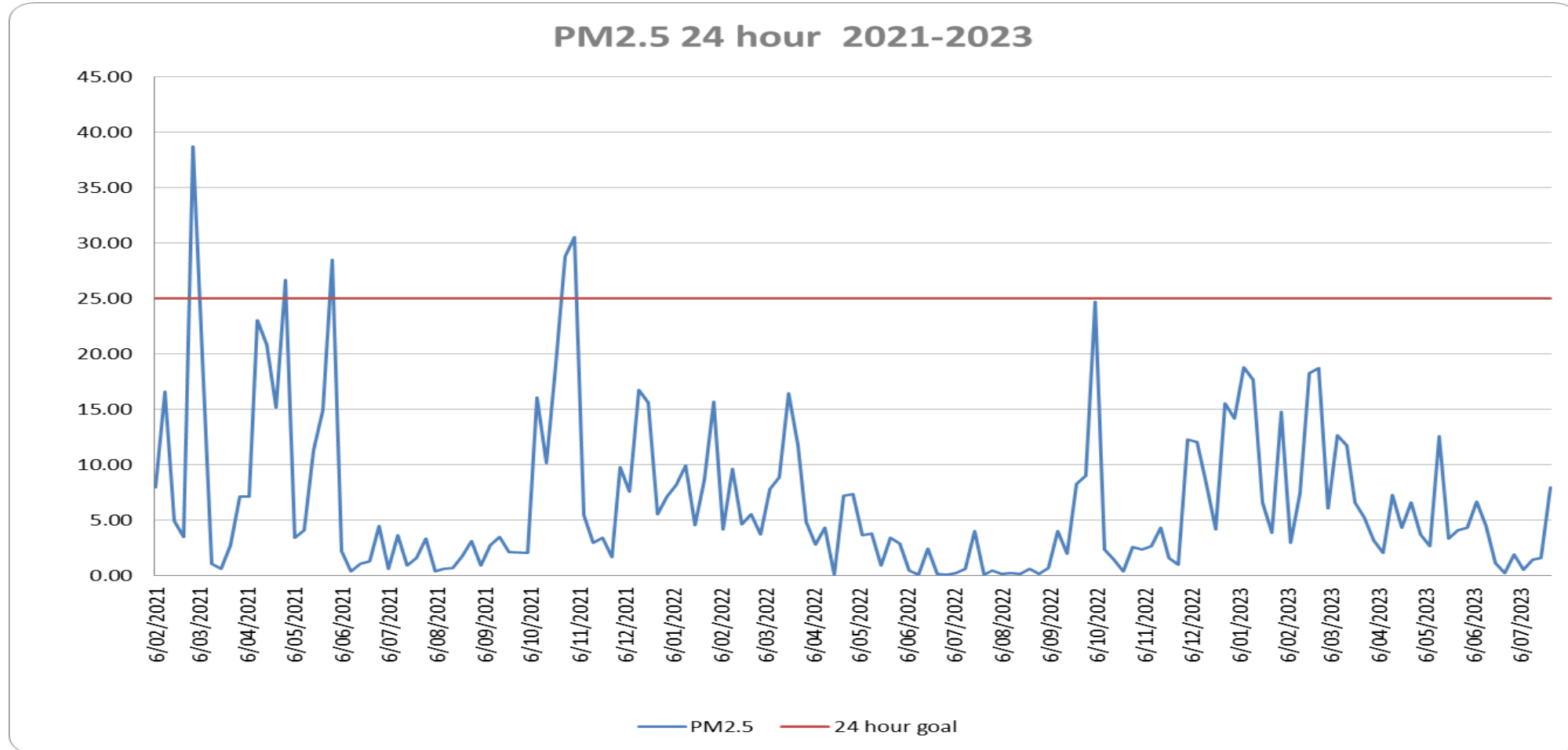


Annual Average goal of 90ug/m3

In compliance

Annual average below goal at the boundary

Air – PM2.5



In compliance for the past 3 months.

Noise – quarterly monitoring

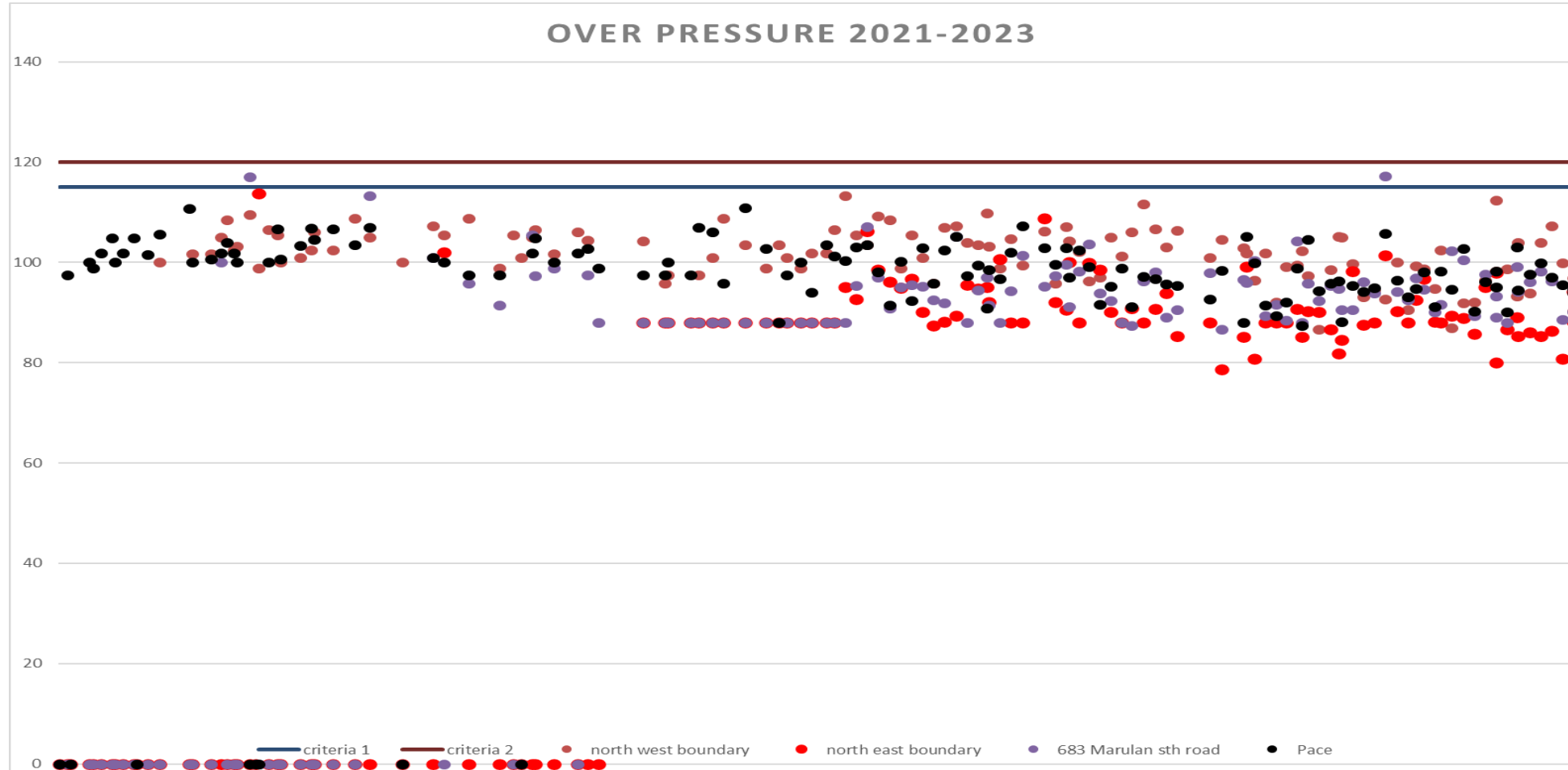


Monitoring was undertaken over 7th and 8th June 2023

Results for the June round are in compliance.

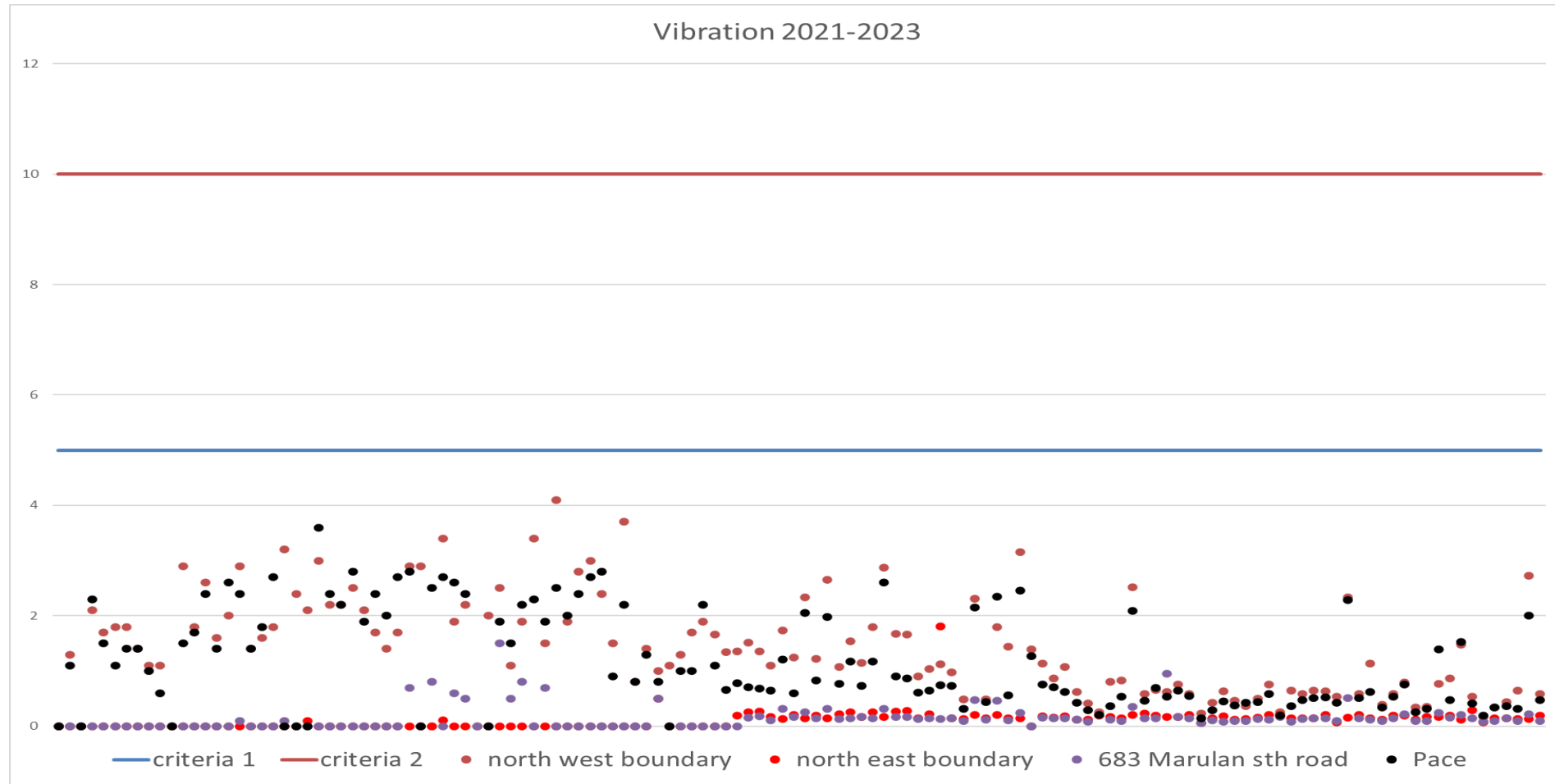
Next round due in July-September.

Blasting - Overpressure



In Compliance

Blasting – ground Vibration



In Compliance

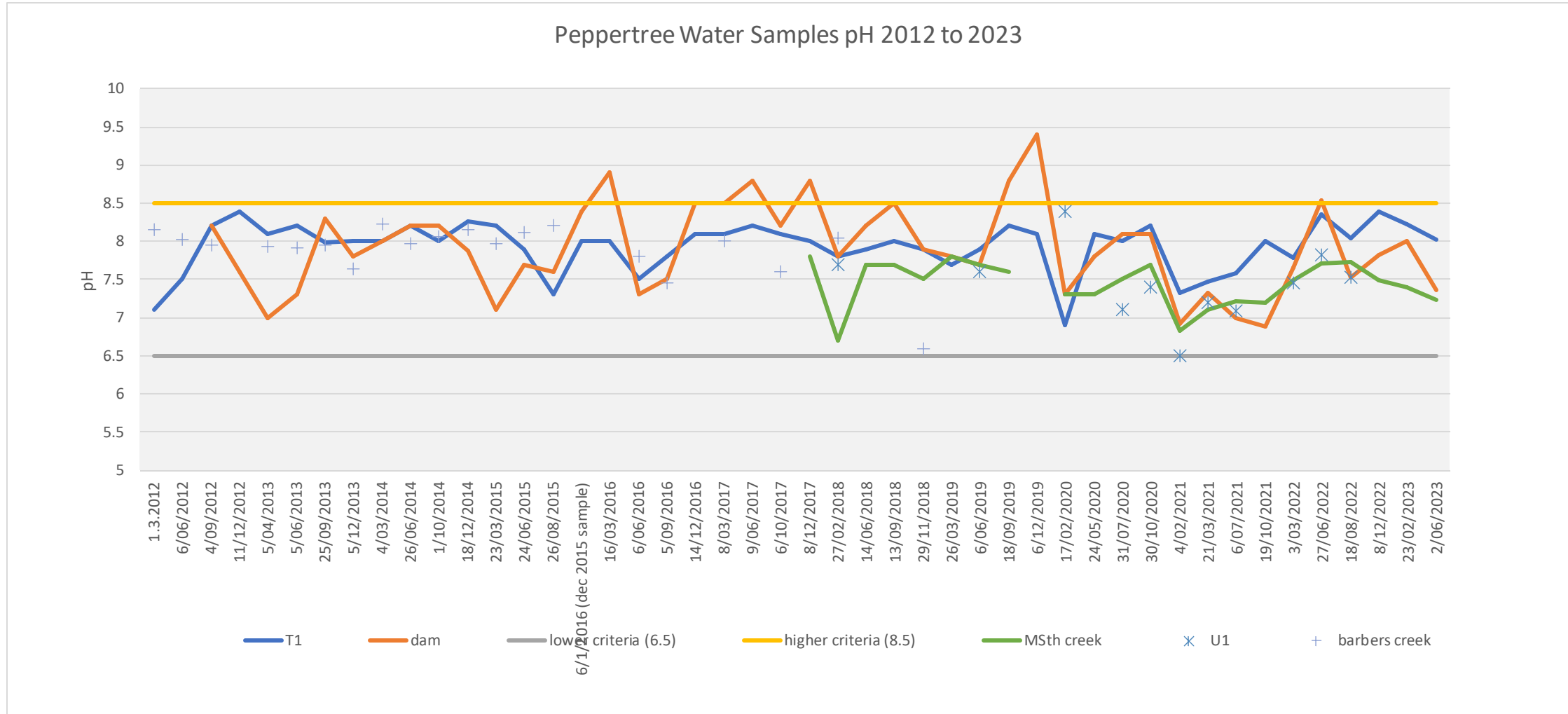
Surface Water



Quarterly monitoring round undertaken in April – June 2023 with sampling on Friday 2nd June 2023

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

Surface water - pH

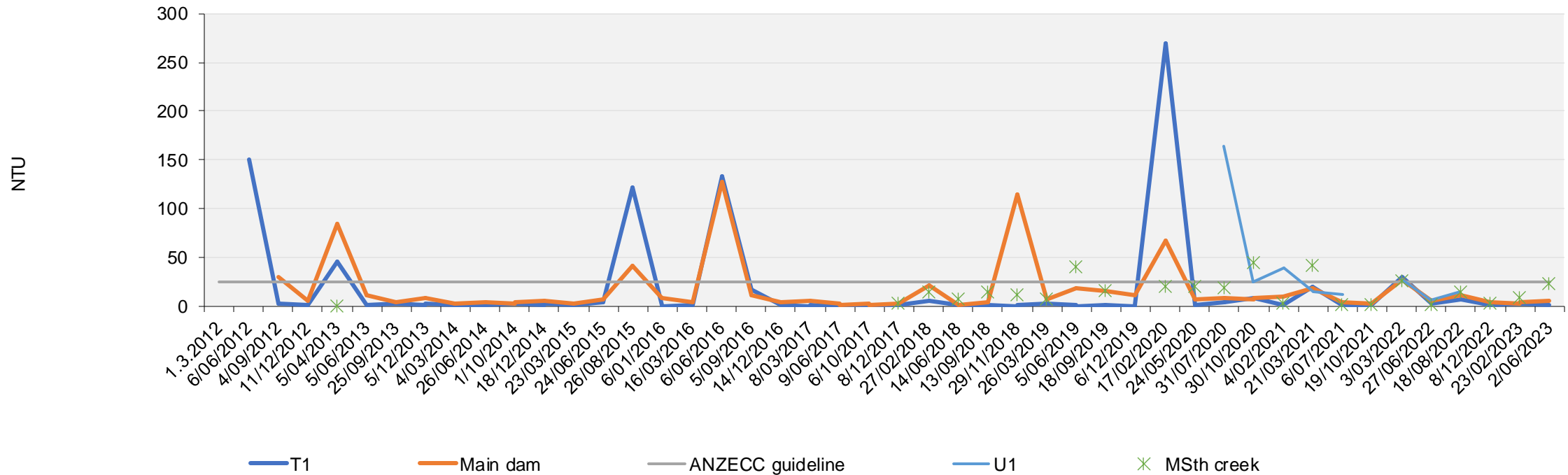


Within guideline for Feb samples

Surface water - Turbidity

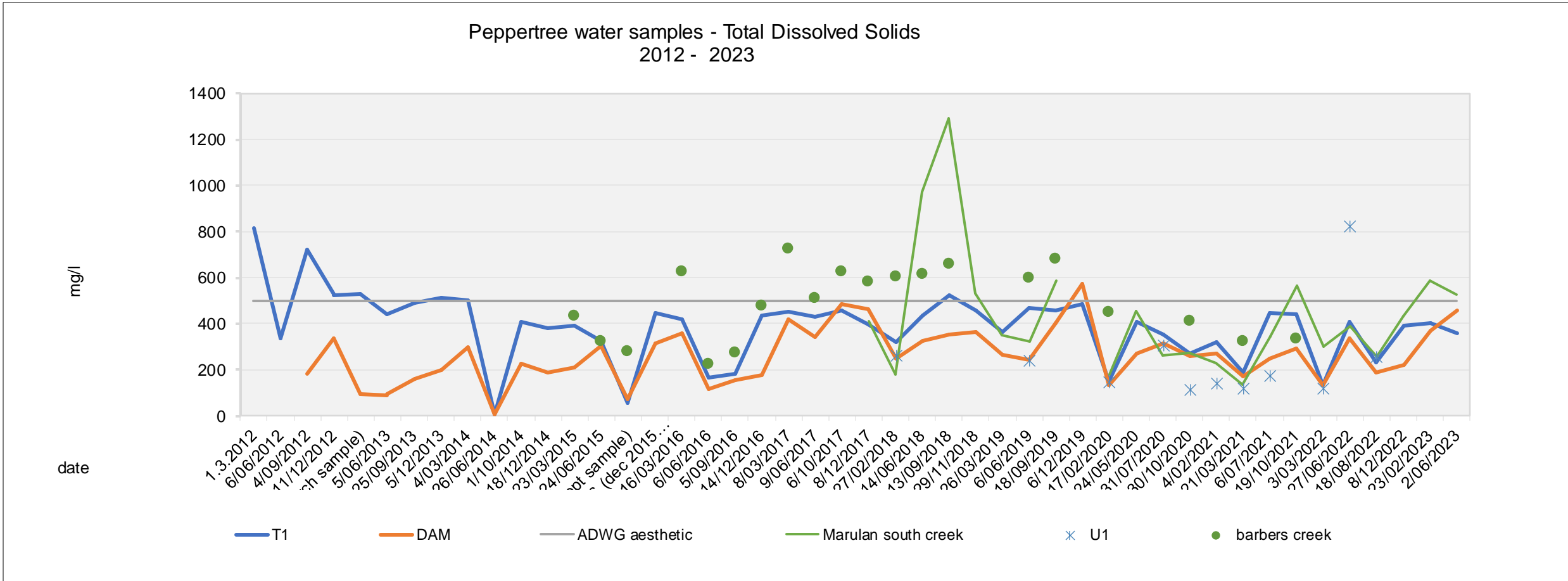


Peppertree water samples - Turbidity 2012 - 2023



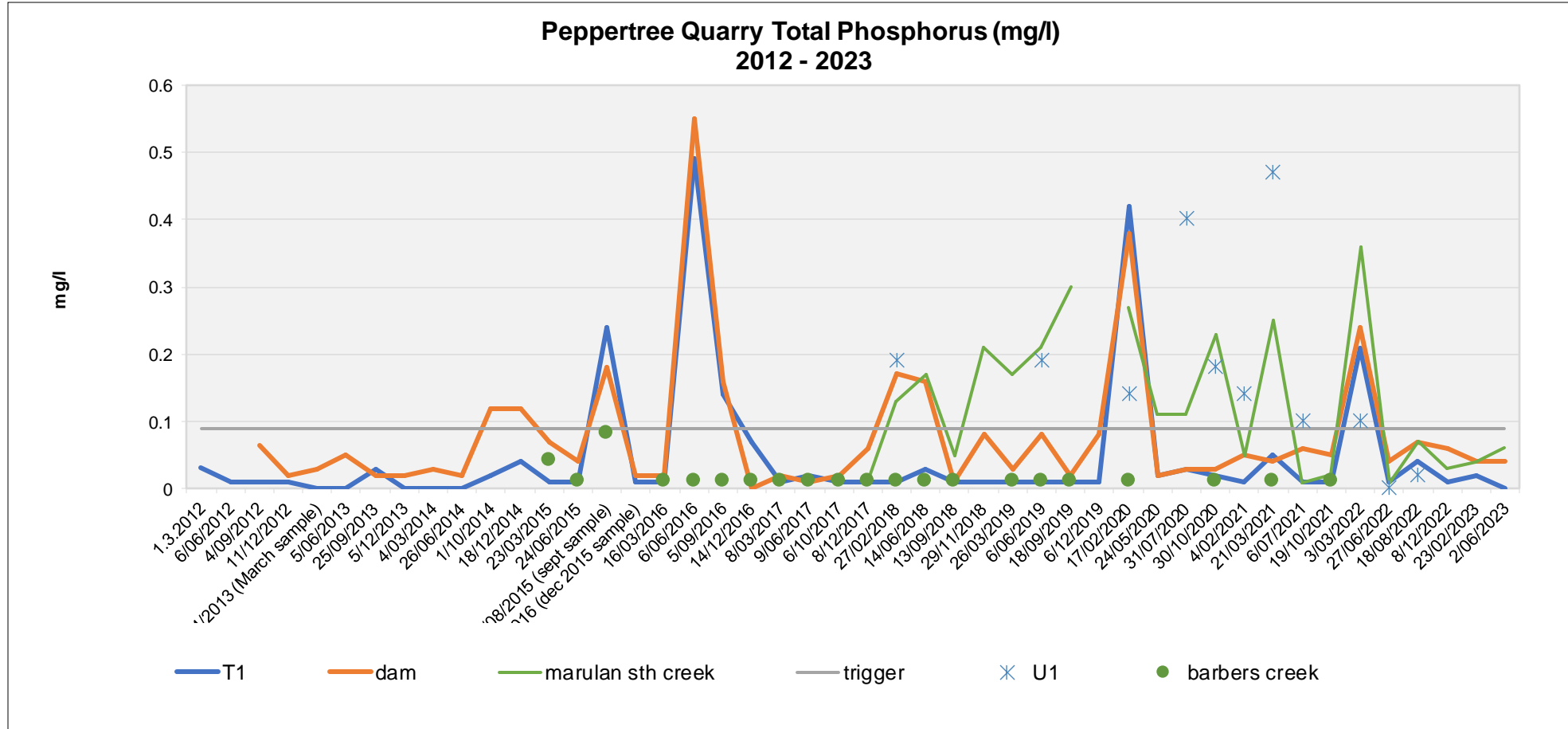
Below guideline for Feb samples

Surface water – Total dissolved solids



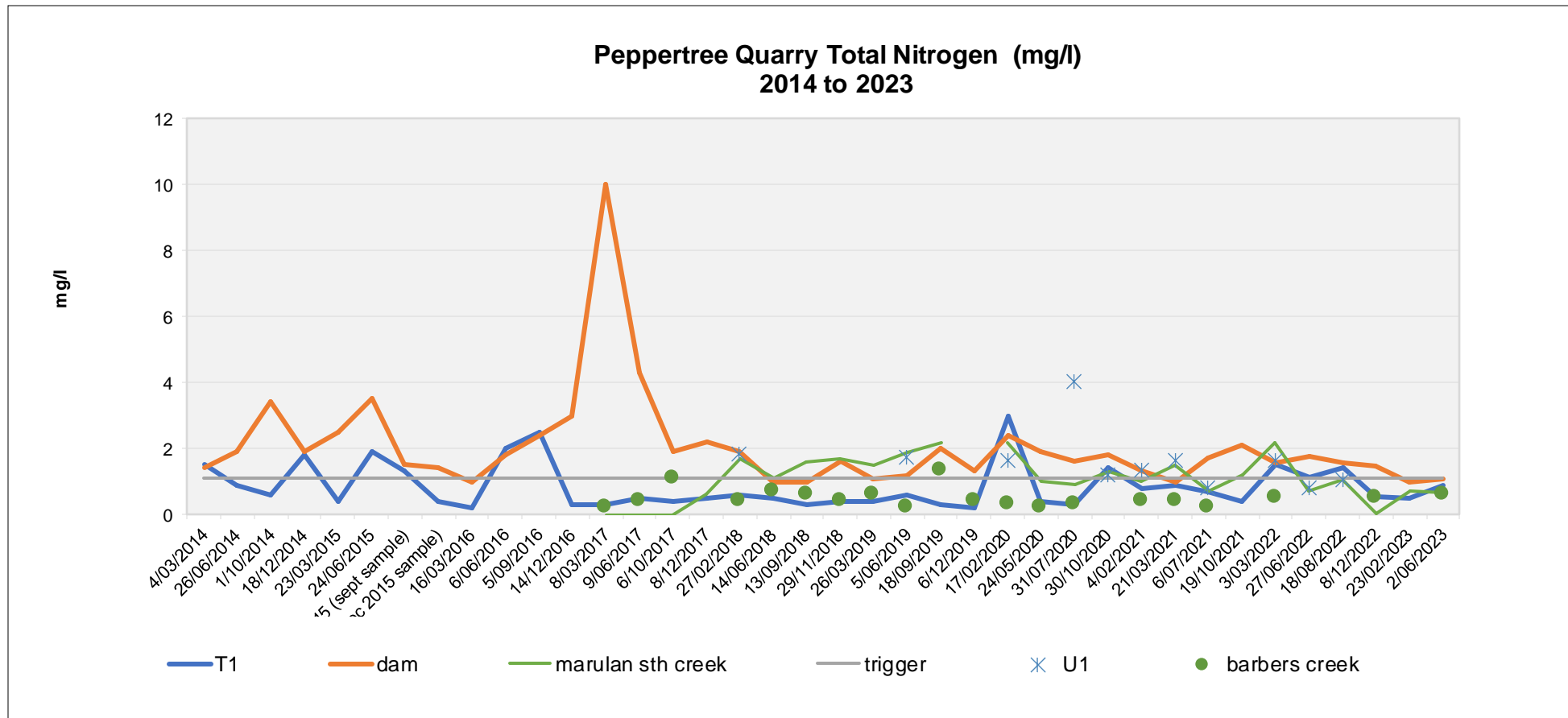
Below guideline for Feb samples with exception of Marulan South Creek

Surface water – total Phosphorus



Below guideline for Feb samples

Surface water - Total Nitrogen



Below guideline for Feb 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	

Ground water

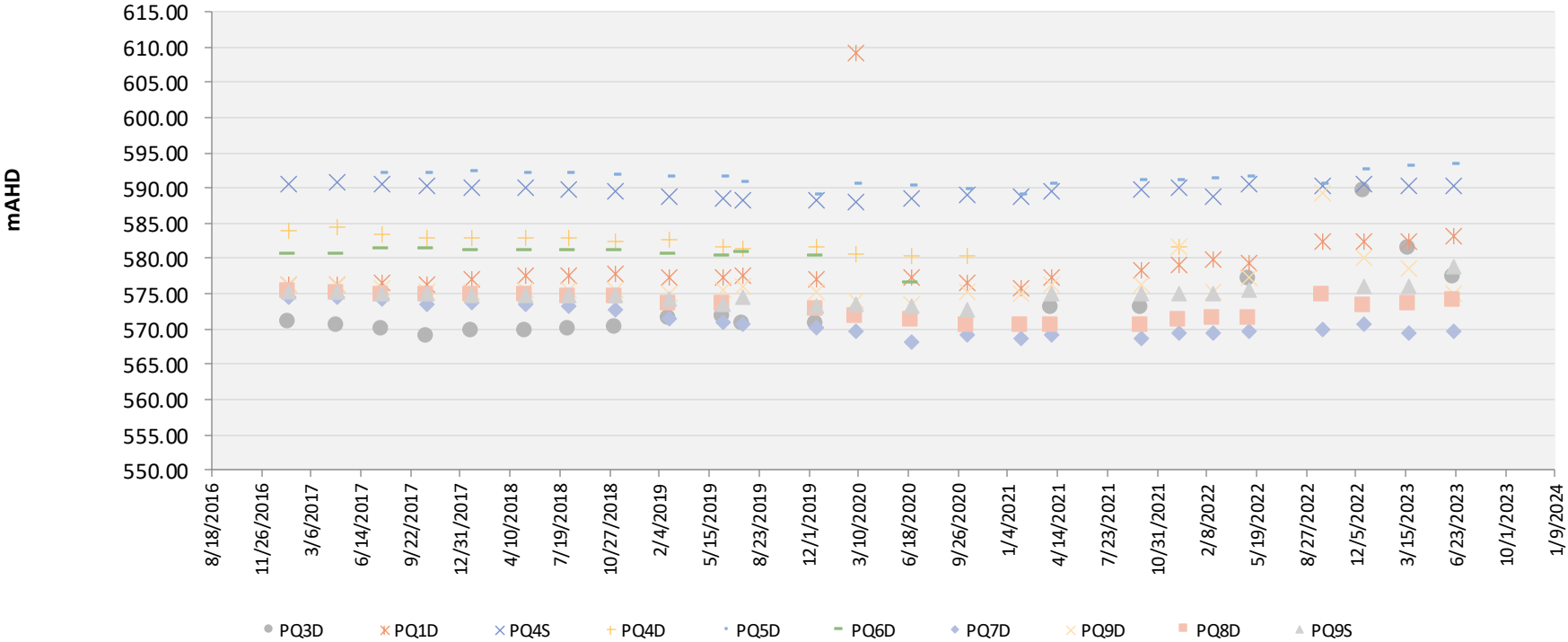


- > Monitoring conducted in June.
- > Results all good, next round in the coming month.
- > Results show no changes to the groundwater

Ground water – water levels



Standing Water Levels Groundwater 2016 - 2023



Heritage



Artefact analysis is continuing

Topsoil monitoring for the development of the new N1 dam.

Scar tree relocation and display being planned, currently undercover near the farm house. Scar tree conservation consultant has provided report..



Ecology



Three year plan developed for ongoing rehabilitation and maintenance

- 16.5ha of tree planting in spring- delayed to autumn due to weather
- 5km of direct seeding in spring- delayed to autumn due to weather
- 4Ha Hydromulching of SOE planned for spring

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

More feral goats have been removed, happening on a as needs basis.
Ongoing pest monitoring.

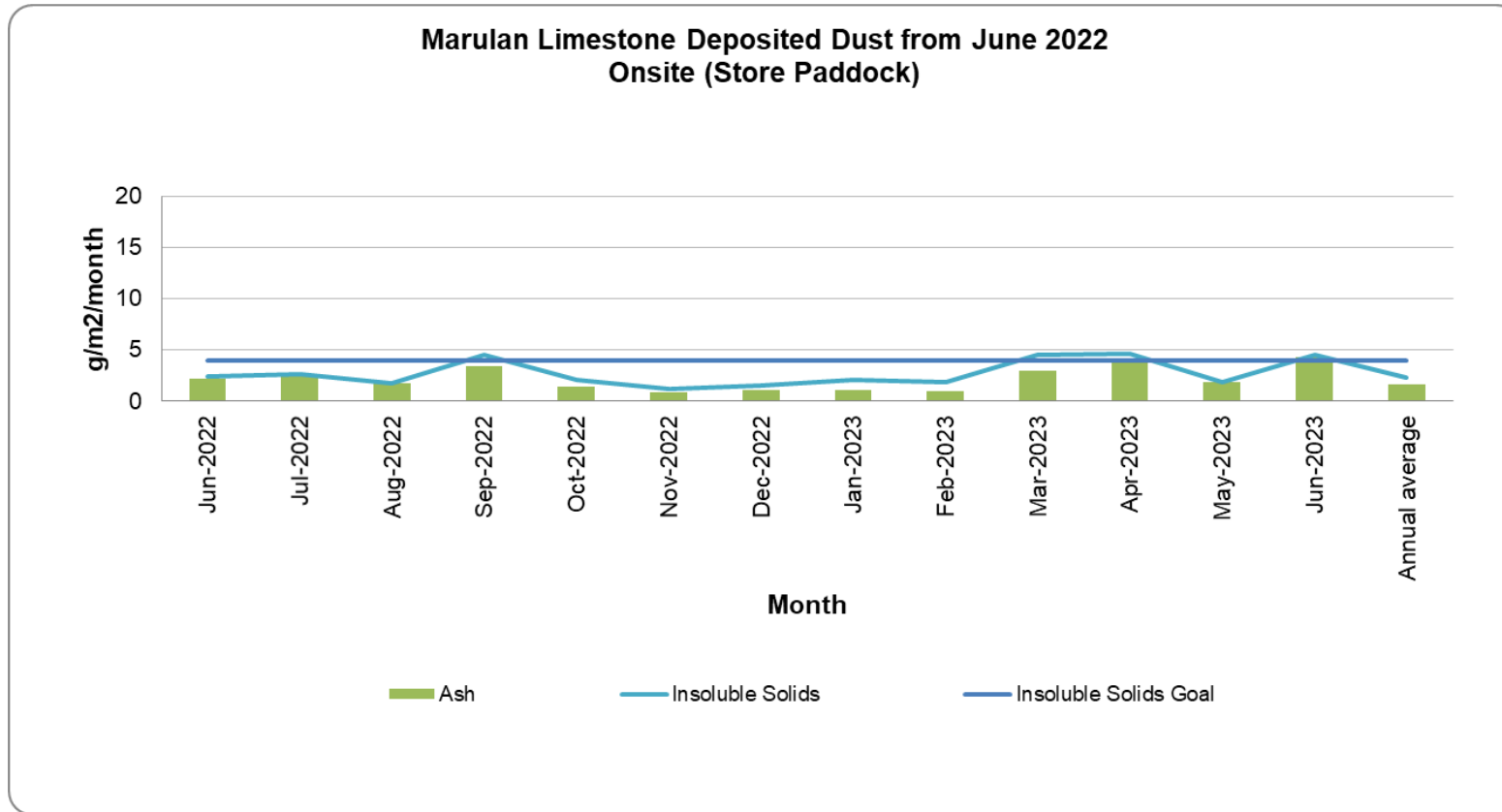


06.2

Environmental Performance Marulan South Limestone



Air – Dust deposition Site 1



Annual Average goal of 4gm2/month

In compliance

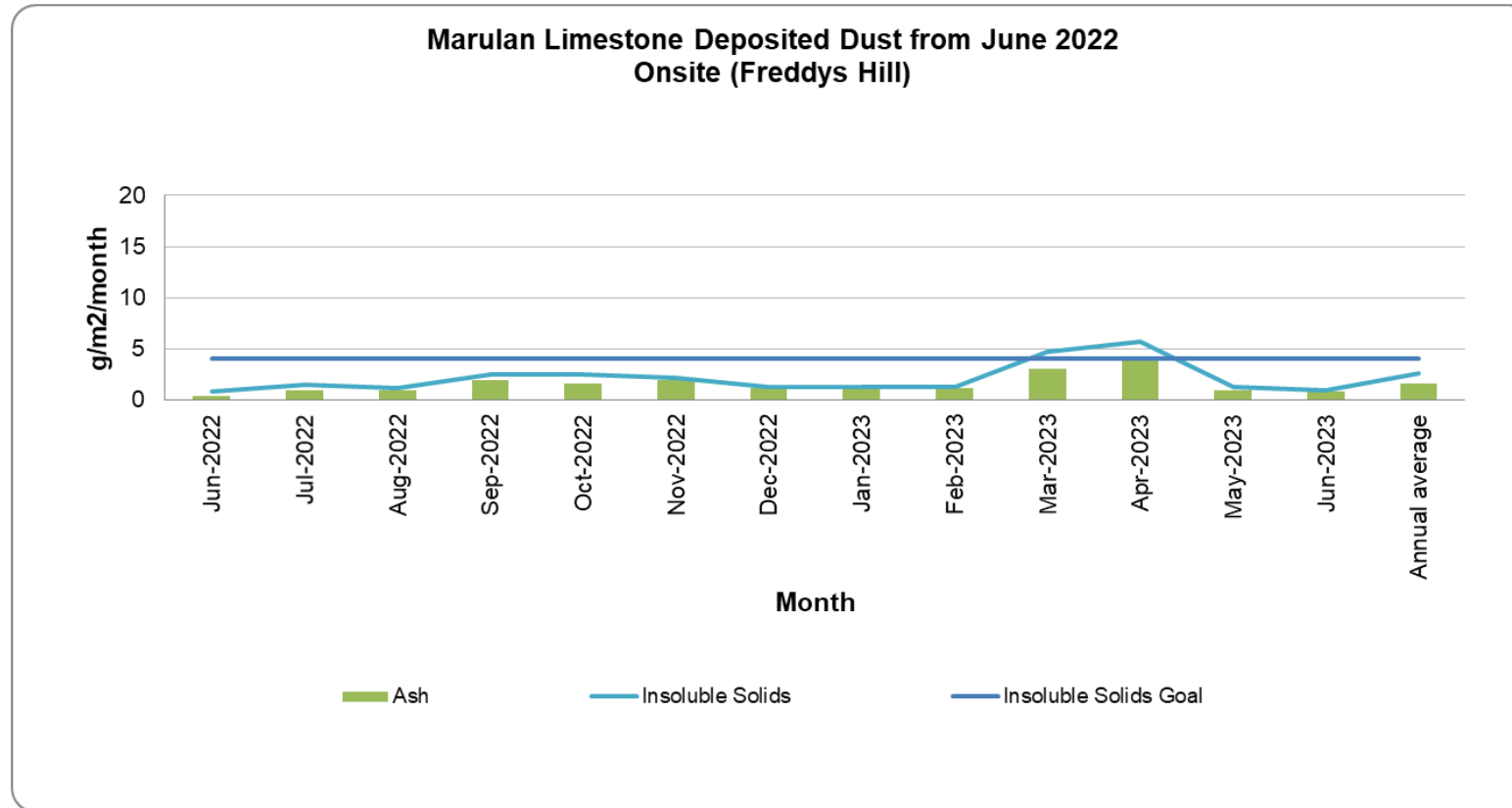
Annual average below goal at the boundary

Environmental Complaints Jan 2017 to May 2023



- > June- Pampas Grass sighting, July- nil, August- nil

Air – Dust deposition Site 2

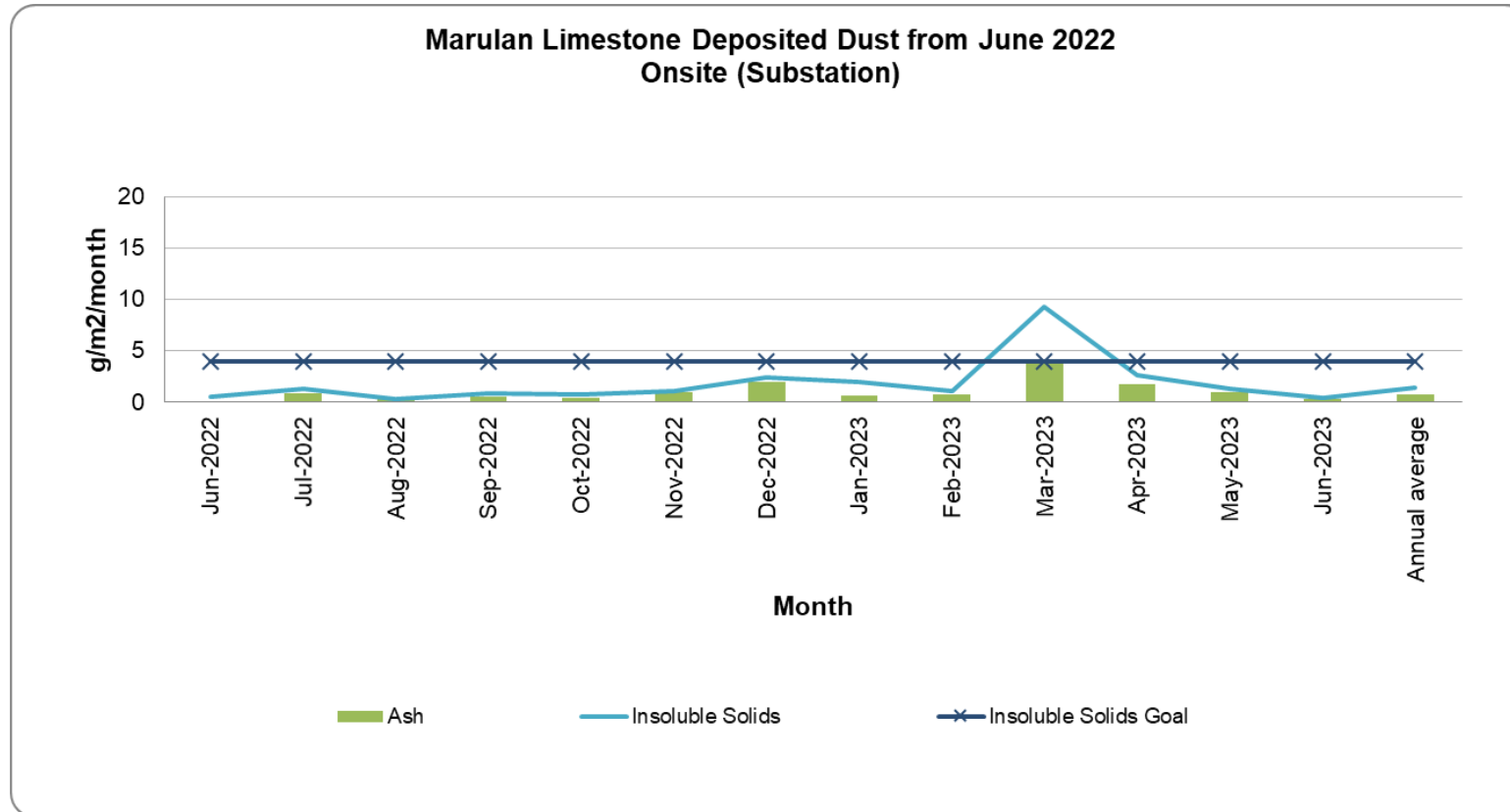


Annual Average goal of 4gm²/month

In compliance

Annual average below goal at the boundary

Air – Dust deposition Site 3

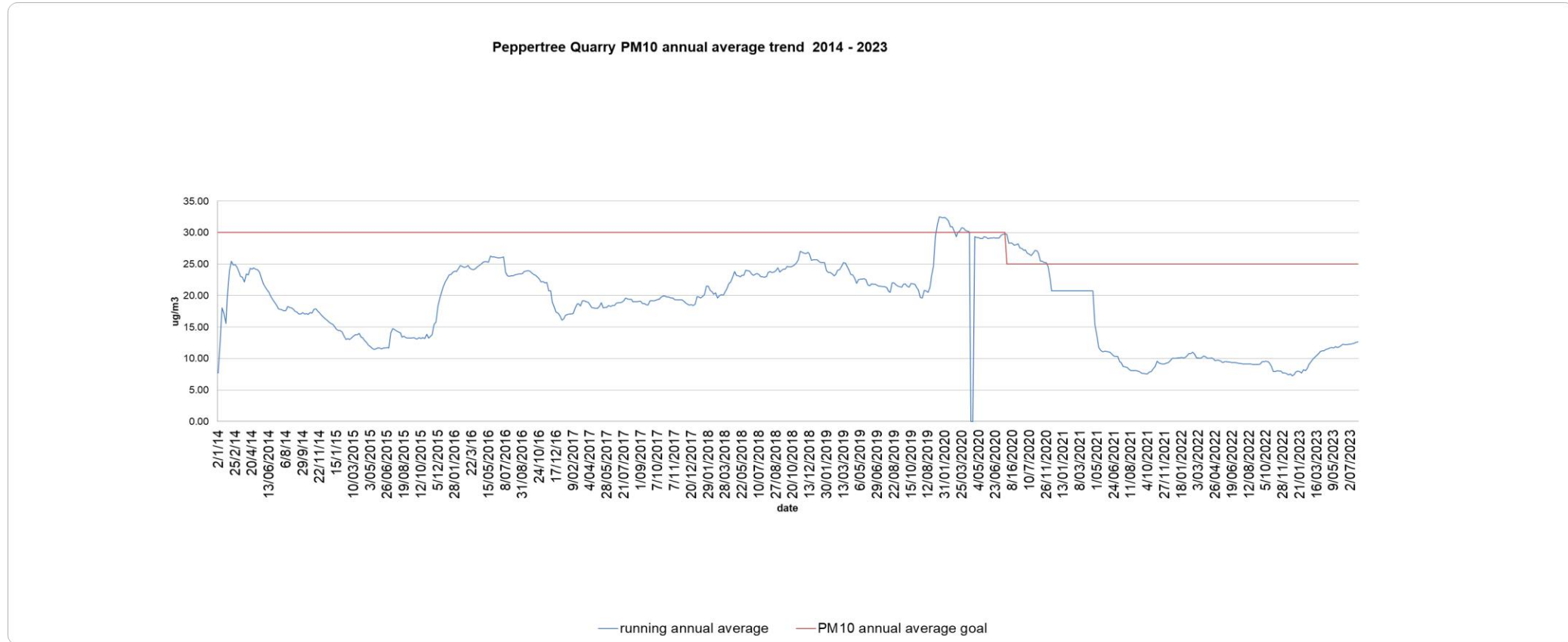


Annual Average goal of 4gm²/month

In compliance

Annual average below goal at the boundary

Air – PM10 annual average

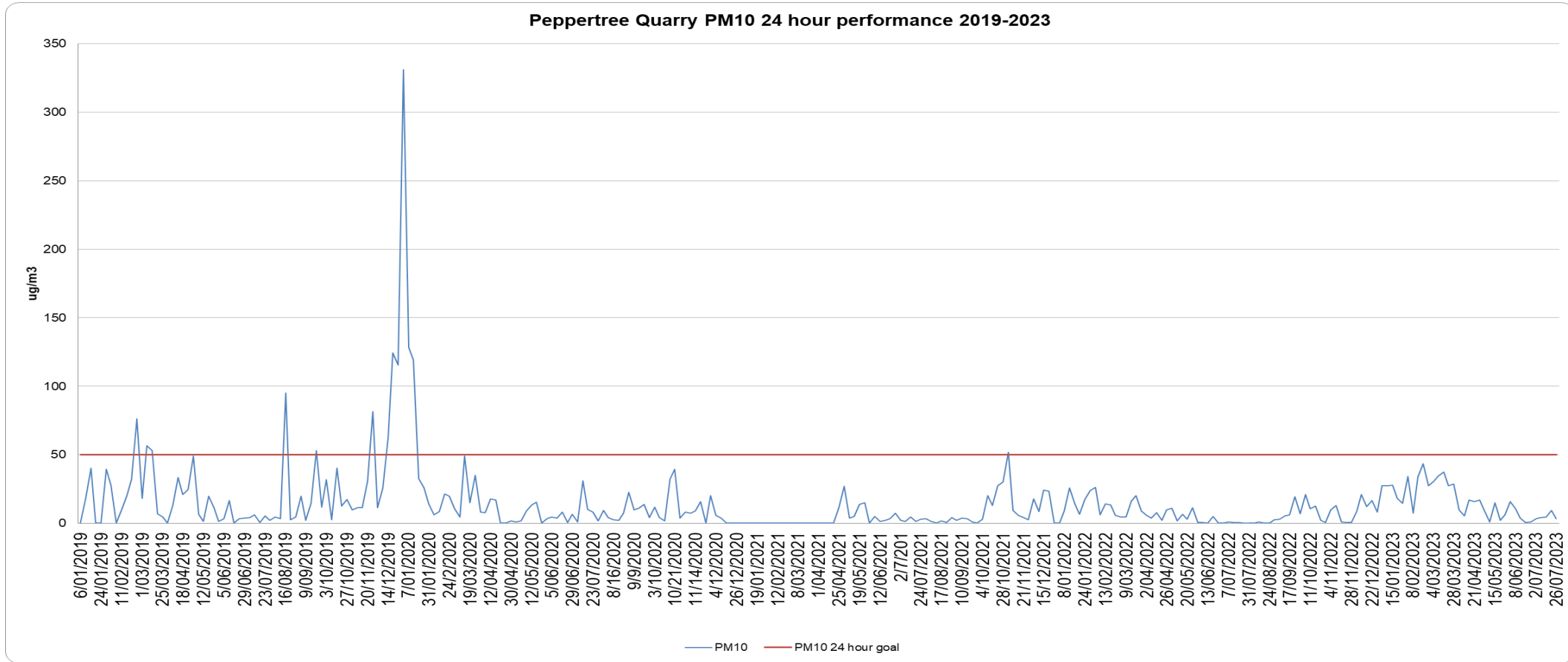


Annual Average goal of 25ug/m3

In compliance

Annual average below goal at the boundary

Air – PM10 24 Hour performance

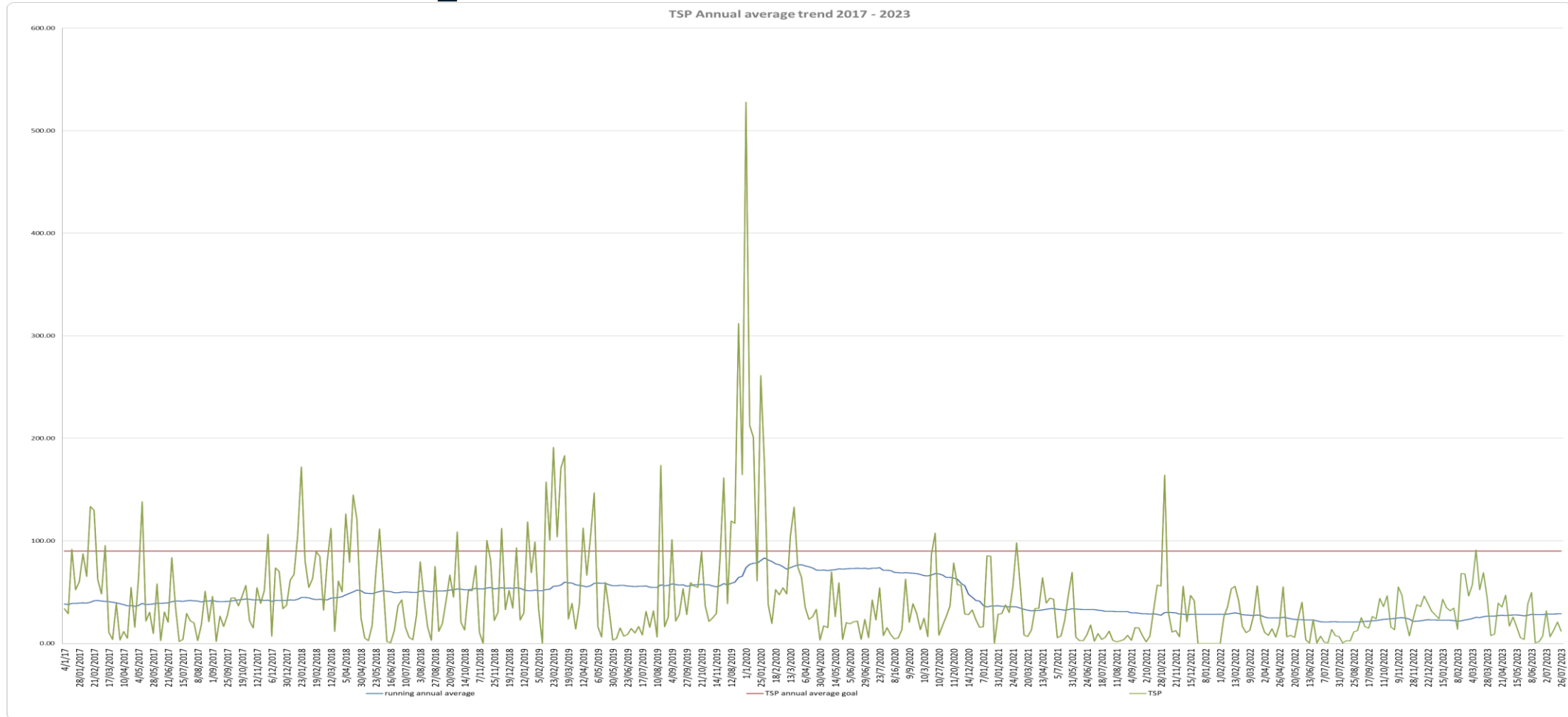


24 hour goal of 50ug/m3

In compliance

Annual average below goal at the boundary

Air – Total Suspended Particulates

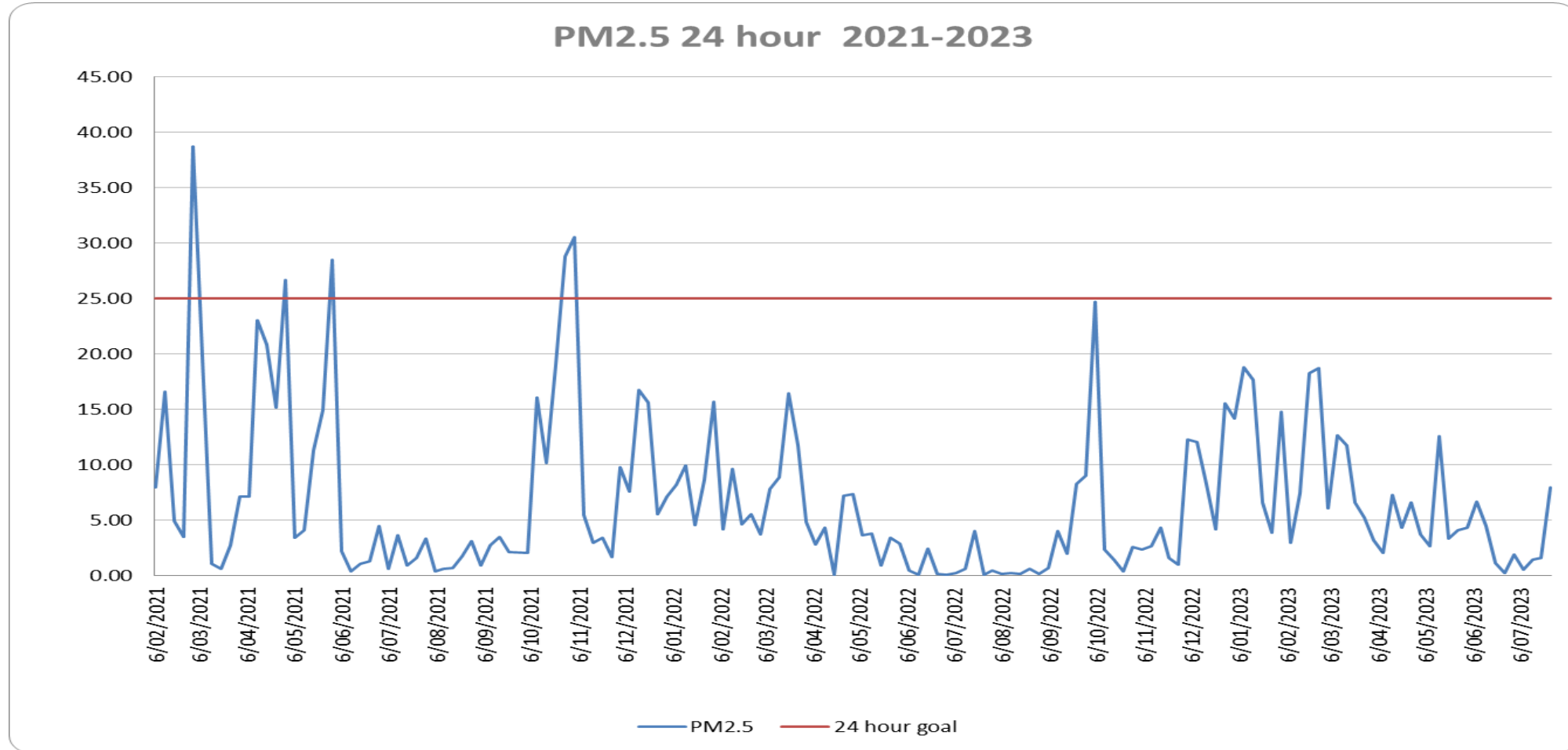


Annual Average goal of 90ug/m3

In compliance

Annual average below goal at the boundary

Air – PM2.5



In compliance for the past 3 months.

Noise – quarterly monitoring

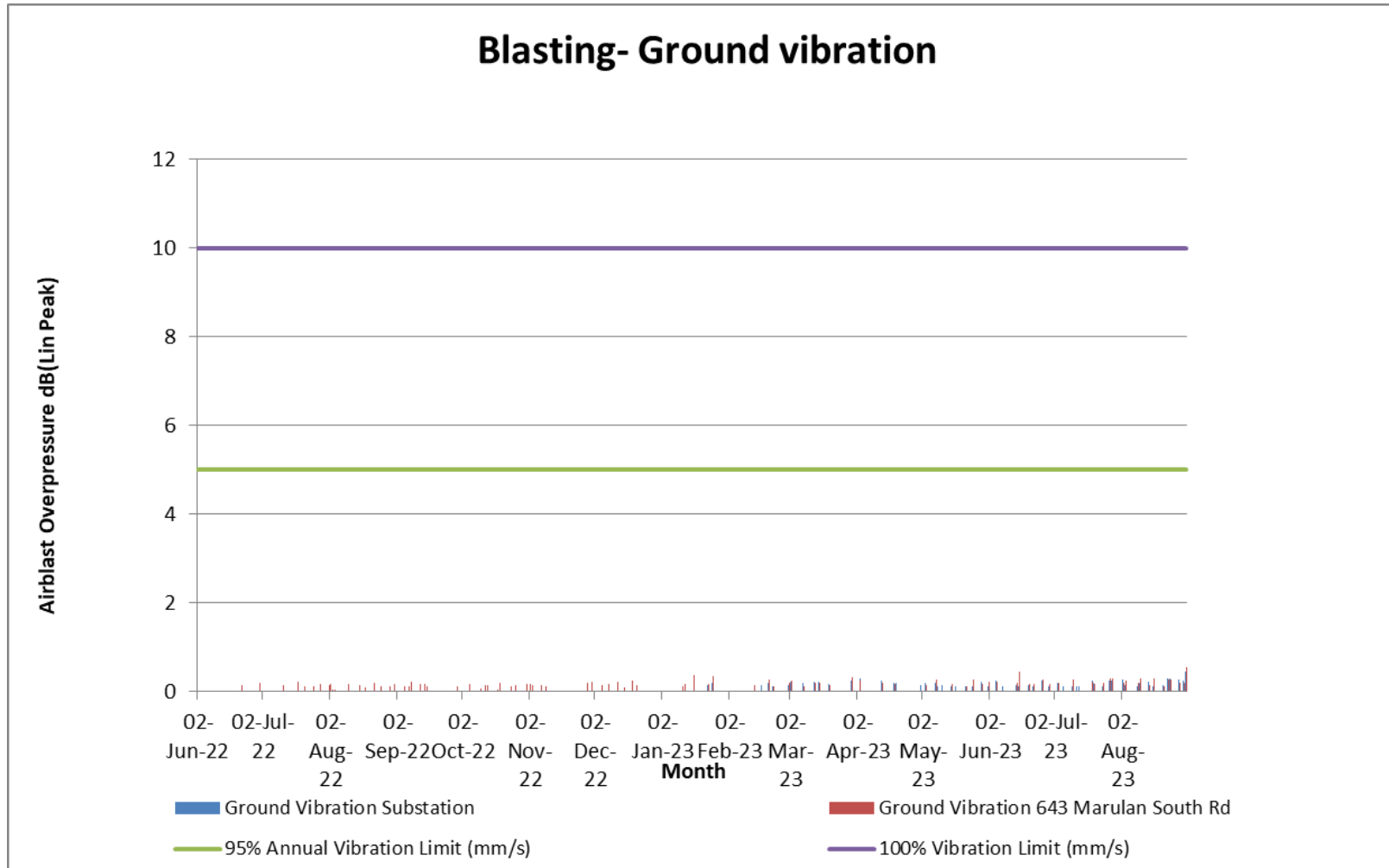


Monitoring was undertaken on 28th and 29th March 2023 with results in compliance

Monitoring was undertaken on 7th June 2023 with results in compliance

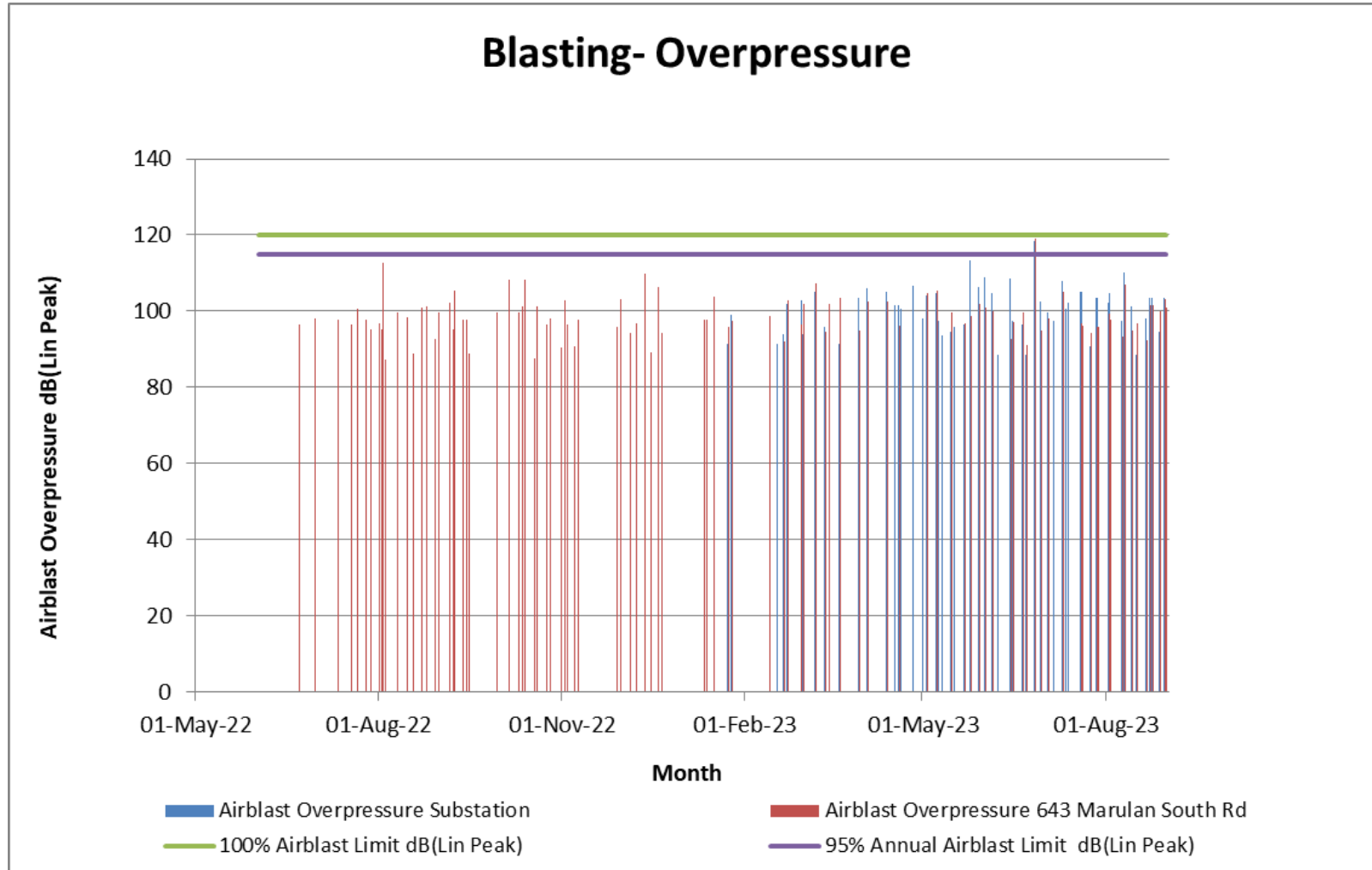
Next round due in July-September.

Blasting - Ground Vibration



In Compliance

Blasting – Overpressure



In Compliance

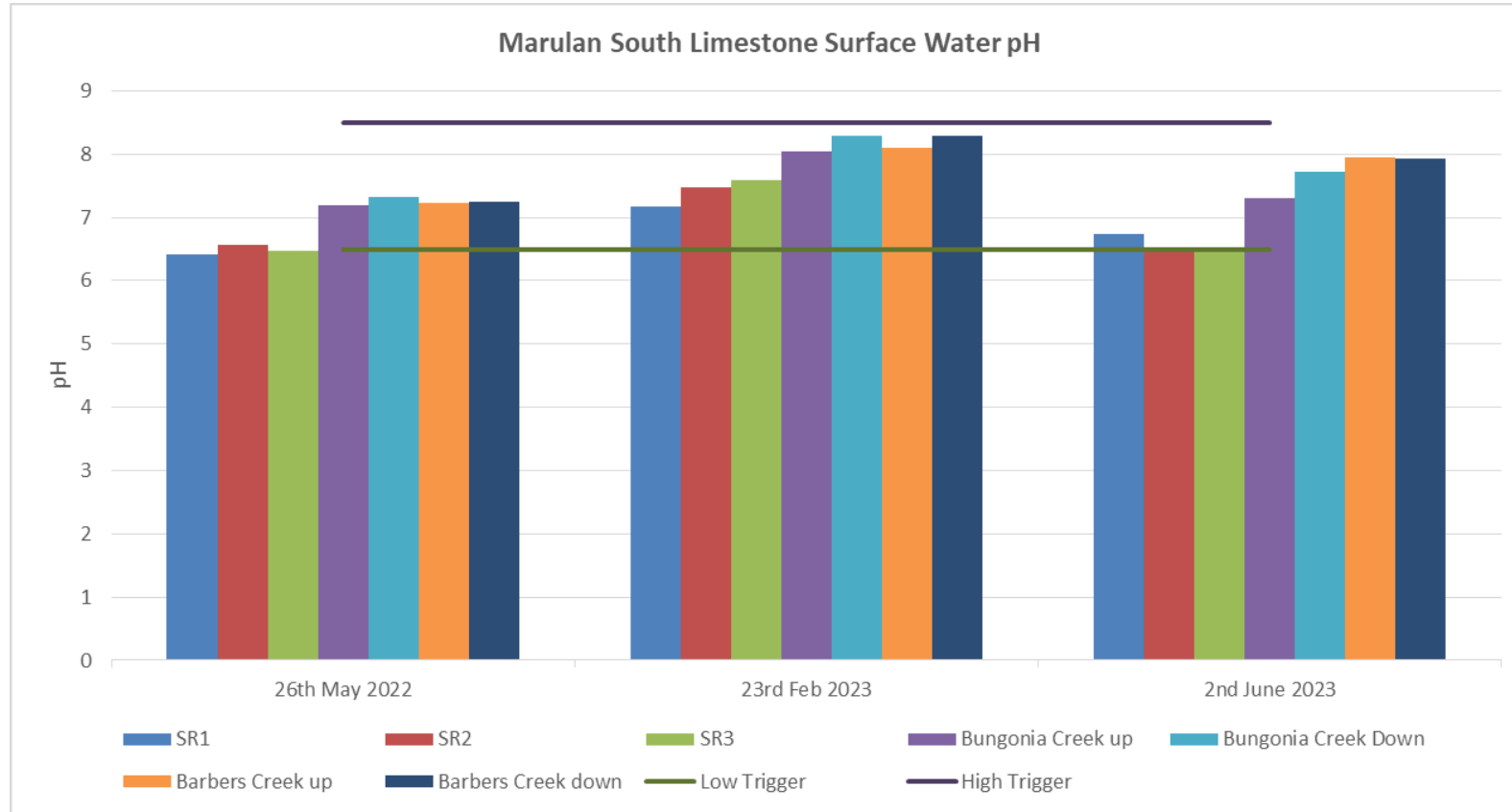
Surface Water



Quarterly monitoring round undertaken 2nd July 2023

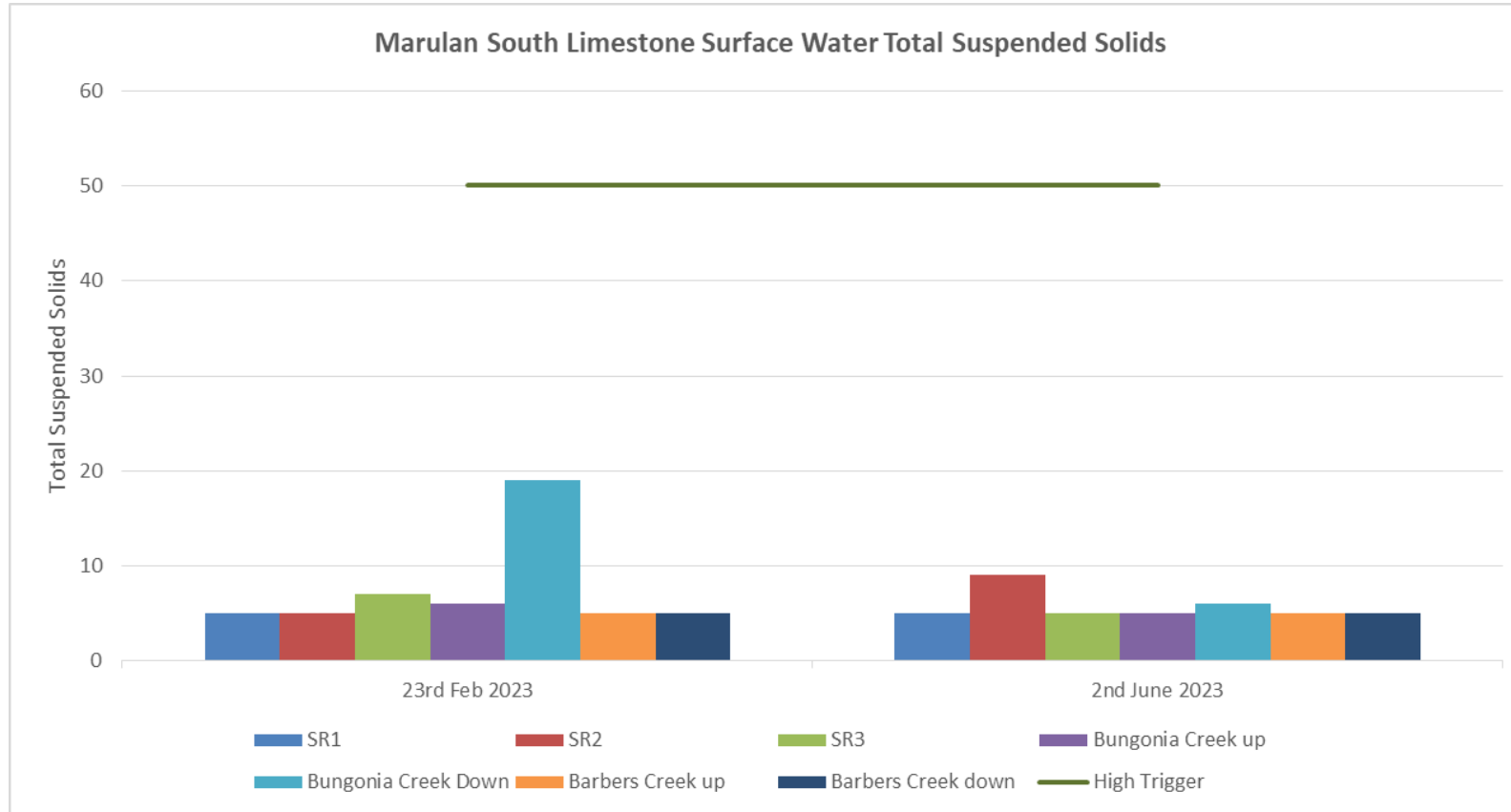
No issues with water supply or quality over the last 3 months

Surface water - pH



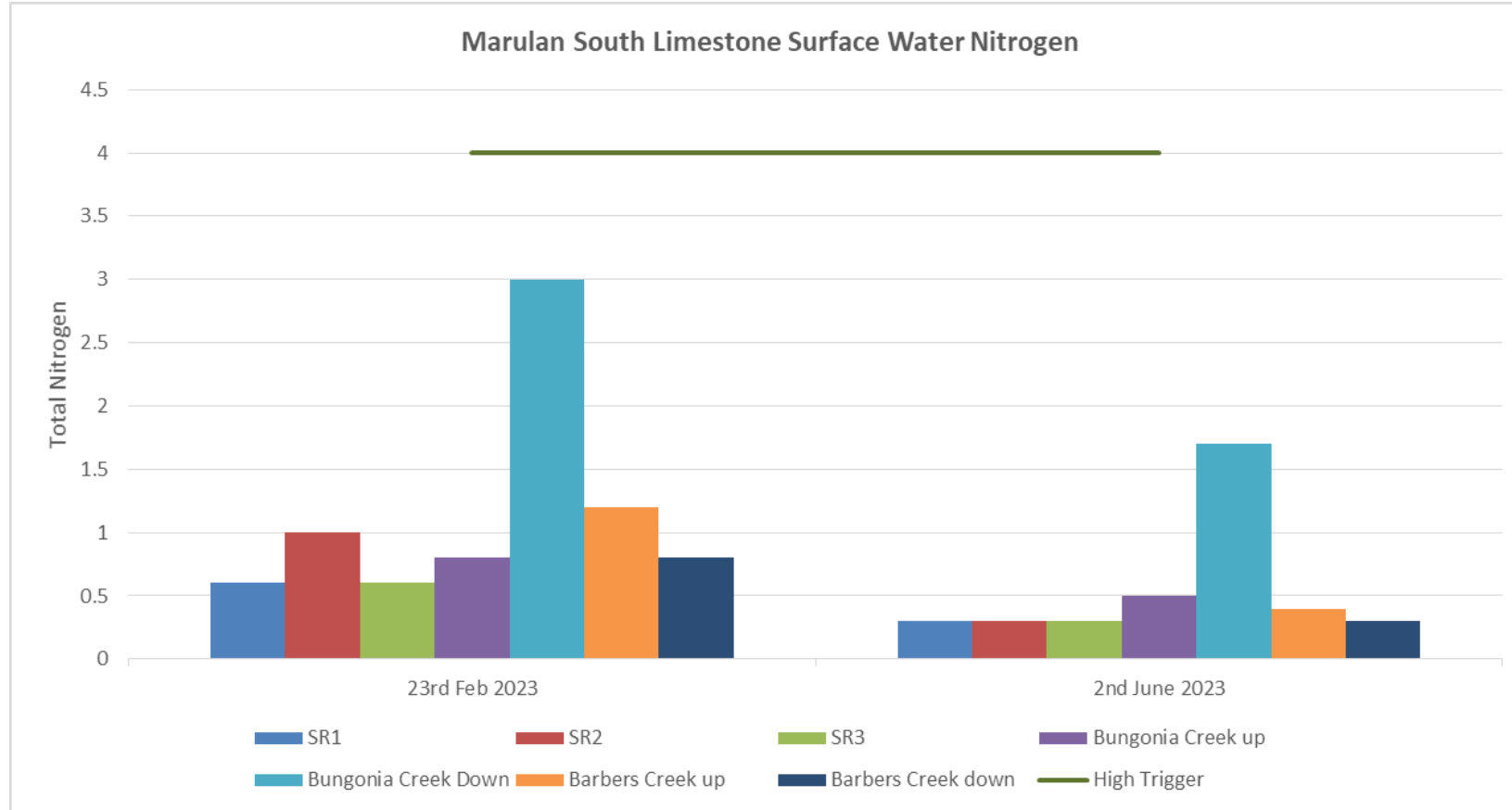
Within guideline limits

Surface water – Total Suspended Solids



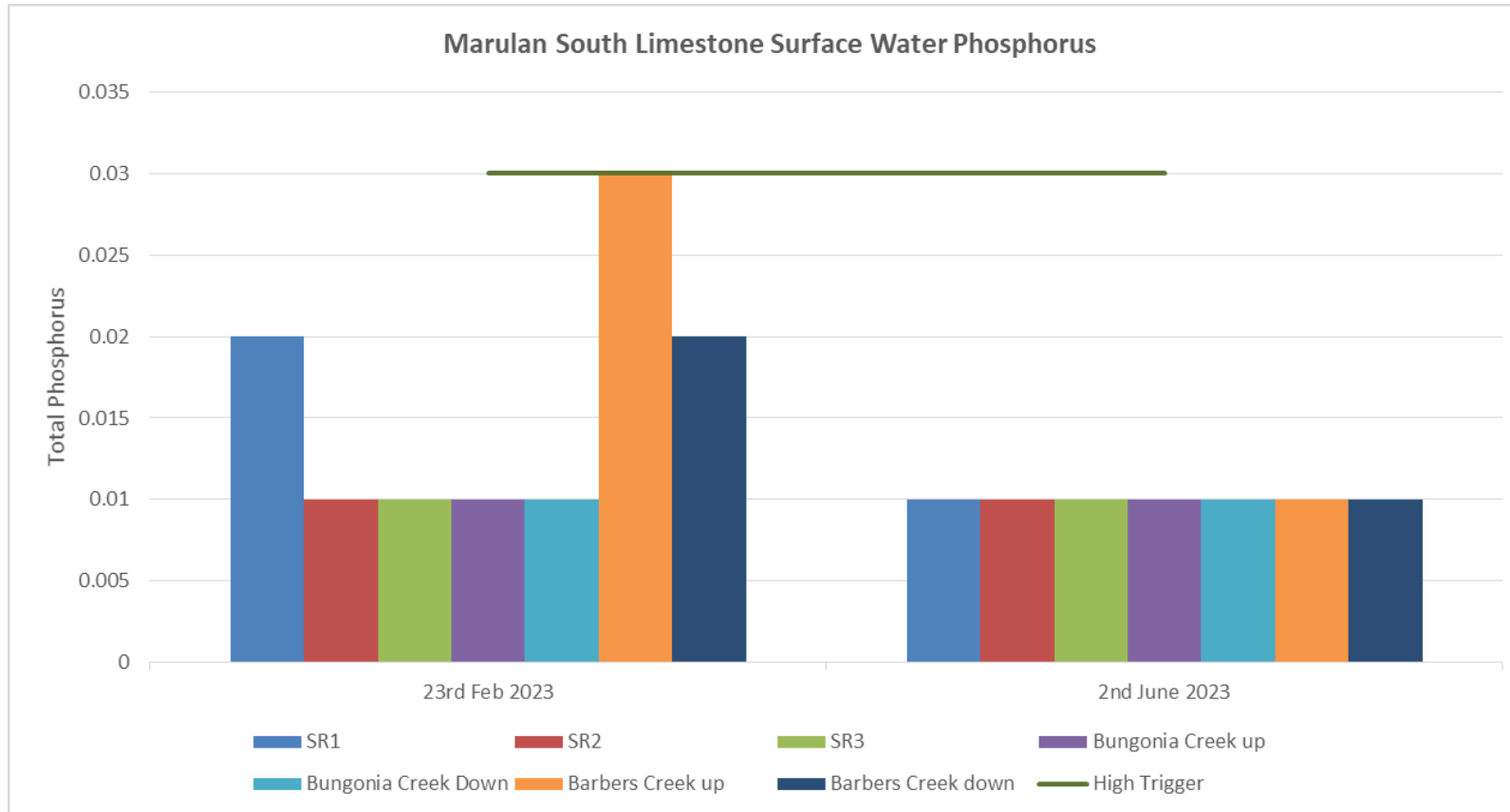
Within guideline limits

Surface water – Nitrogen



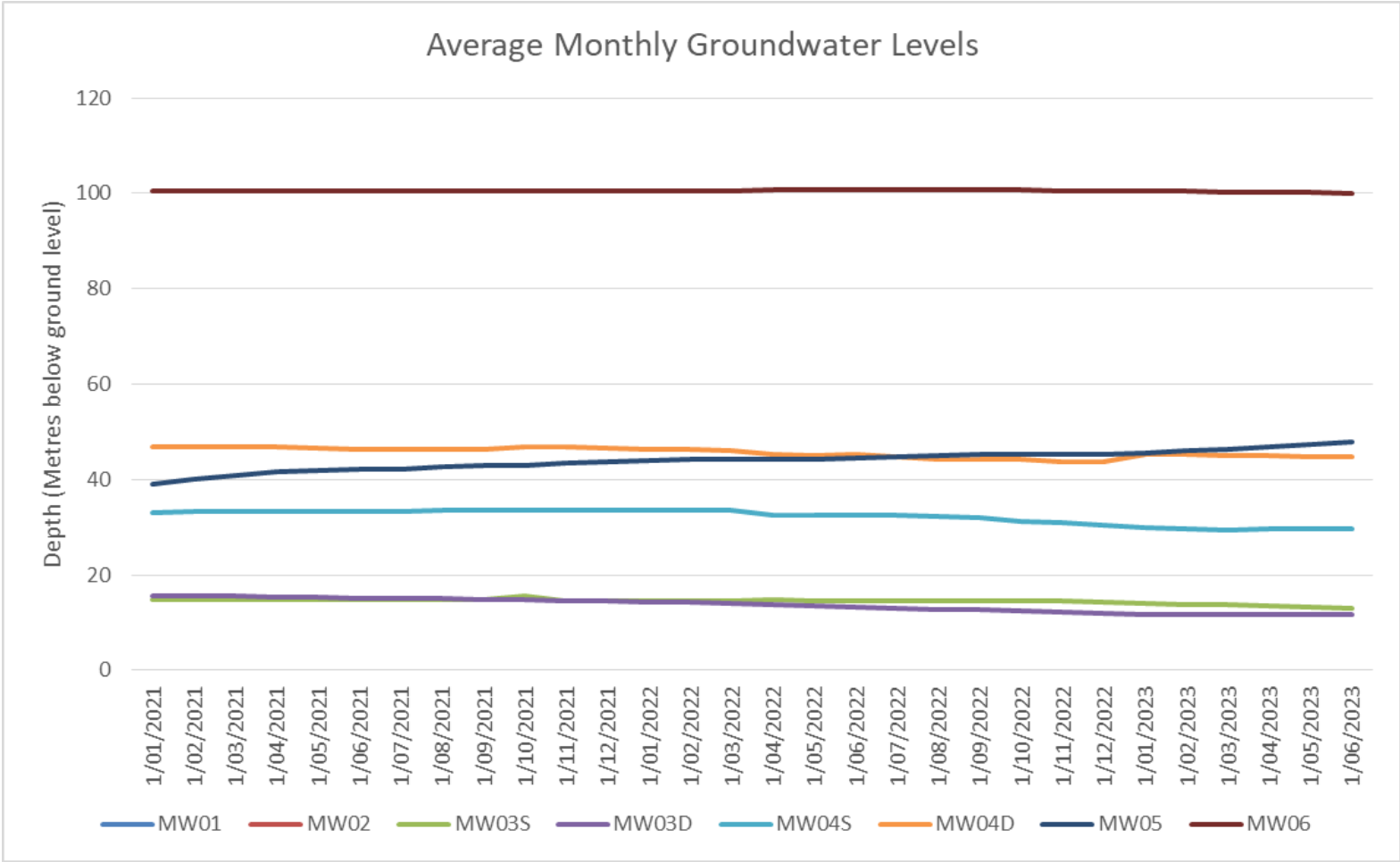
Within guideline limits

Surface water – Phosphorus

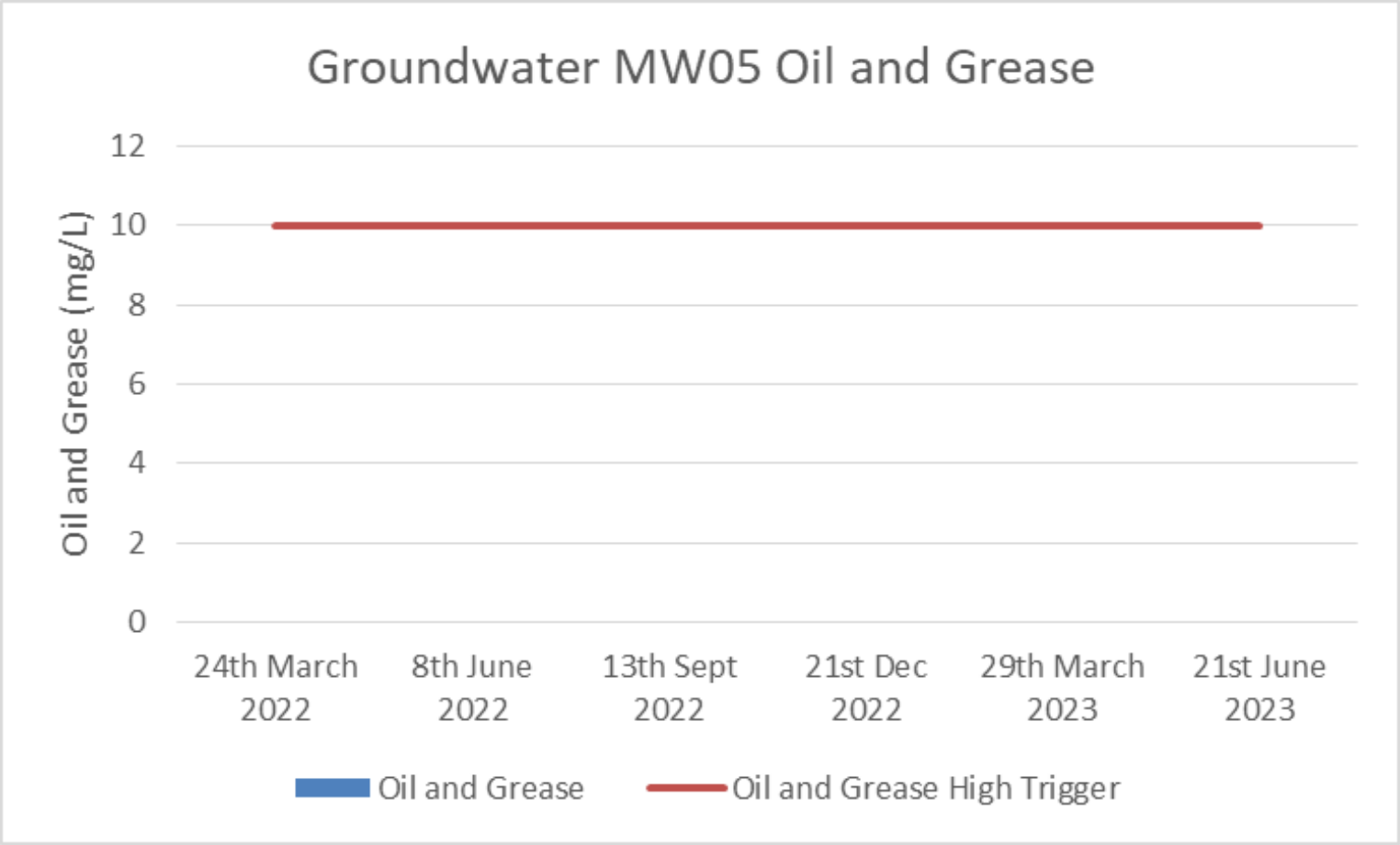


Within guideline limits

Ground water

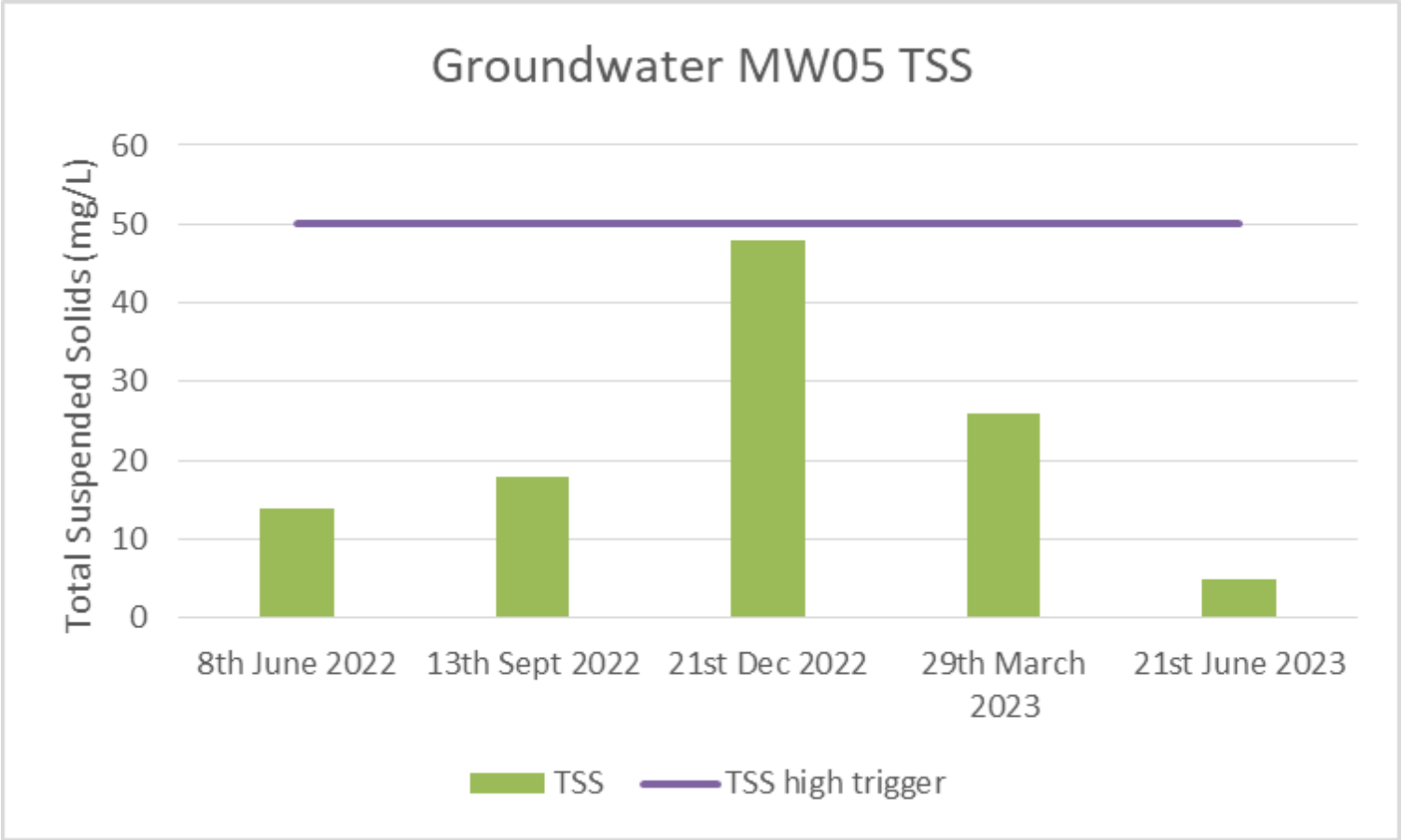


Ground water



Within Guideline Limits: No oil and Grease detected

Ground water

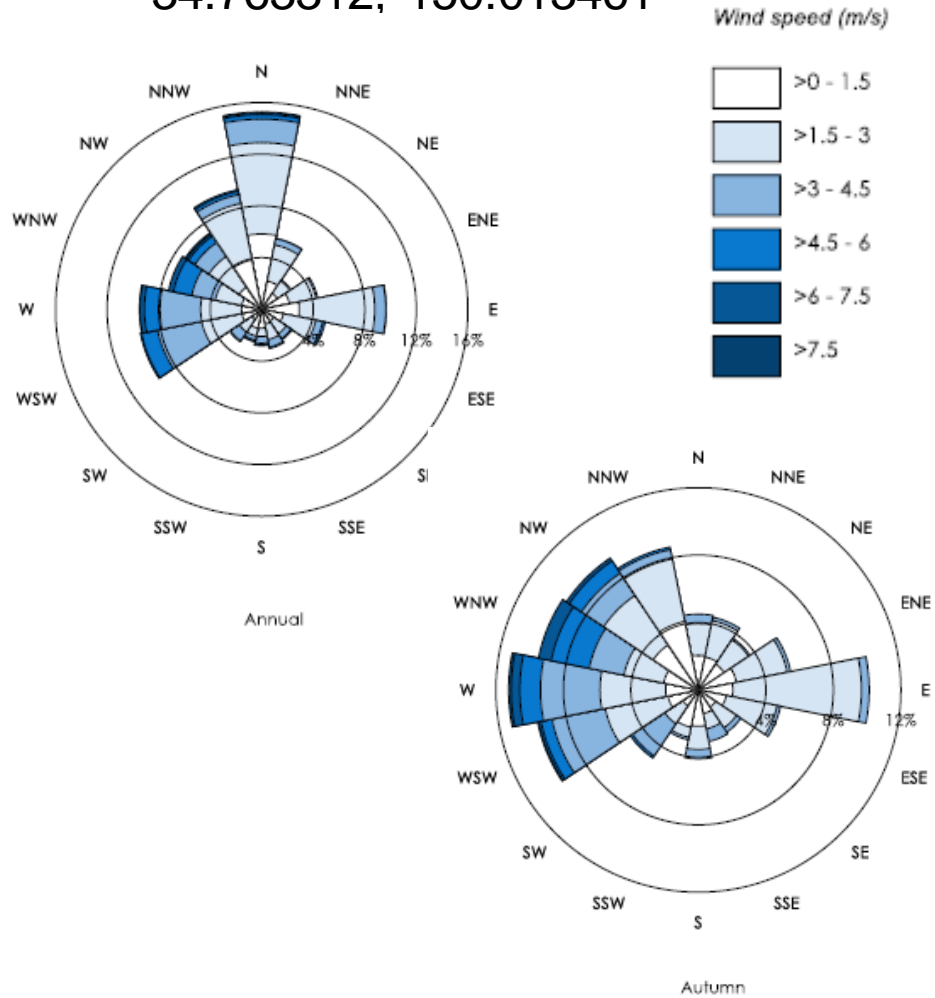


Within guideline limits

New Weather Station Location



- New weather station located at
-34.763312, 150.013461



Ecology



- 4Ha hydromulching and 1300 trees planned for Spring
- Weed Control: Control undertaken on Tussock and Pampas in Winter with a focus on Pampas, Blackberry and Thistle for Spring
- Pest Control: Aerial Cull in conjunction with NPWS
- Gumtree seed collected from site



Heritage



- First round of Aboriginal Artefact Collection completed
- 72 Artefacts collected across the site

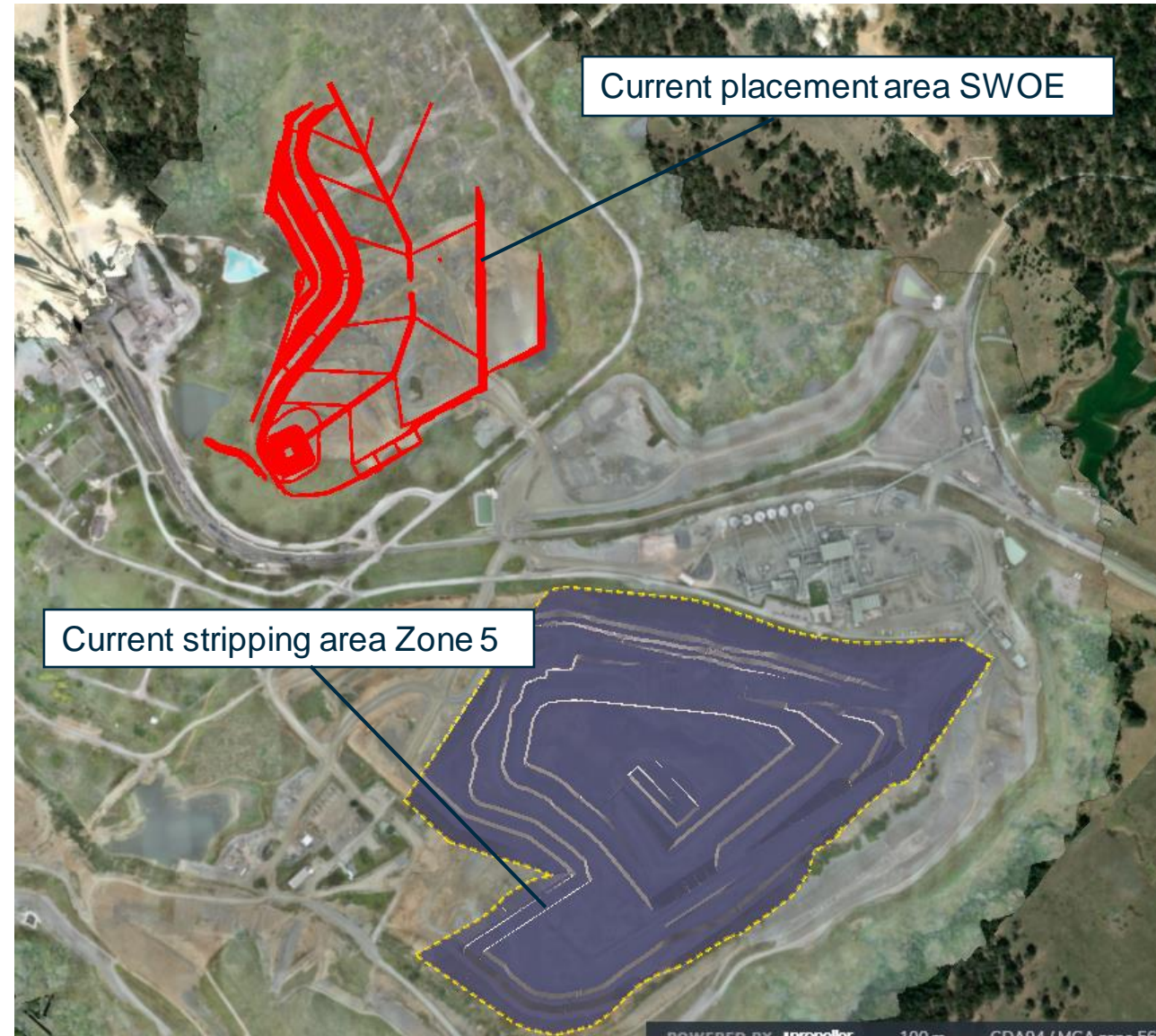
07

Stakeholder
Engagement



08

Operations
Next 3 months



- **550 copies of the Tallong Community Newsletter printed**
- **900 copies of the Marulan Newsletter printed on a monthly basis for the Marulan Community**
- **Planning underway with Pejar LALC to donate more materials for the gardens and seating area around the yarning circle**
- **Chamber of commerce meeting attended**





Peppertree Quarry

Safety

Focus on the "life saving commitments"- particular focus for the year is "Injury free in 2023" focus on Critical Control Gemba and hazard reporting which will help to reduce incidents. Focus on the Boral commitments (Safety and Environment).

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

One Operation role and Maintenance role..

Marulan South Limestone



Safety

Focus on safety and continued training. Boral strategy will continue being rolled out to all employees in an effort to align the business with the strategic direction from senior management.

Overburden

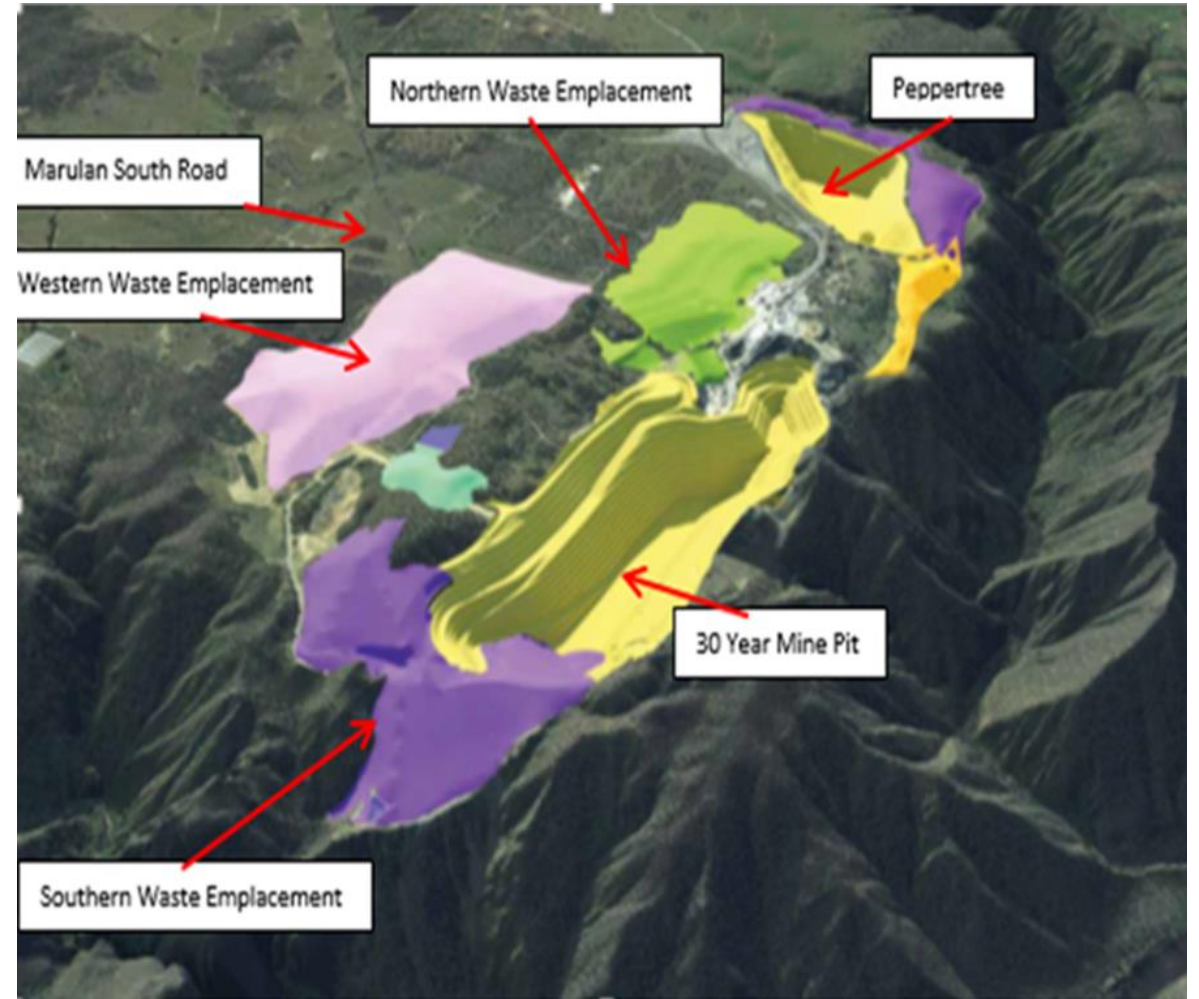
Work ongoing to replace some of the ageing process infrastructure. Overburden from the North-East and West of pit continues to be placed in the South and Western overburden emplacements.

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.



09

General Business





Other

Next meeting

Dec 2023



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Thanks for your participation