OCEANAGOLD
WAIHI OPERATION

Vibration Summary Report

Fourth Quarter 2025

Contents

Summary

- Results from the Envirohub vibration monitoring system for the fourth quarter of 2025 are reported for the Favona, Trio, Correnso, SUPA and Project Martha Underground Mines.
- Development and production blasting continued in the Martha Underground component of Project Martha. Develoment blasting continued in Correnso, with 20 production blasts completed this quarter. Mining in Favona and Trio has ceased.
- Compliance for Project Martha/SUPA blasting was achieved during the quarter. The maximum vibration recorded was 4.32 mm/s at the Central School monitor.
- Compliance for Correnso blasting was achieved during the quarter. The maximum vibration recorded was 3.14 mm/s at the Secondary West monitor.
- During the quarter, there were no high-level blast events (>5 mm/s).
- The total number of blasts (767) was lower than the previous quarter (978). The number of blast events (186) was also lower than the previous quarter (215).
- Nine vibration-related complaints were received during the reporting period, two more than the previous quarter.

1. Introduction

This report documents vibration measurements and assessments to meet the requirements of:

a) HDC Land Use Consent 85.050.326E (Condition 24) for the Favona Underground Mine.
b) HDC Land Use Consent RC - 15774 (Condition 9) for the Trio Underground Mine Project.
c) HDC Land Use Consent RC – 202.2012 (Condition 22 (f)) for the Correnso Underground Mine.
d) HDC Land Use Consent RC – 202.2016 (Condition 14 (f)) for the Slevin Underground Mine (SUPA).
e) HDC Land Use Consent LUC – 202.2018.557 (Condition 53) for Project Martha. (Note: RC – 202.2017 (Condition 18 (f)) for the Martha Drill Drive Project (MDDP) has been subsumed by Project Martha.)

As agreed between OceanaGold and HDC these reports summarise vibration results and general performance of the monitoring system over calendar quarters rather than the dates set out in the consents.

2. Equipment

“Envirohub™”, the vibration monitoring system, has been used for reporting purposes, providing real-time monitoring, recording and review of results on a website. Access to the website is controlled, with permissions for review provided to HDC staff and OceanaGold users. The system is currently set with trigger levels at 0.75 mm/s for all operations.

The Project Martha vibration monitoring network comprises 13 monitors (two monitors are shared with the Correnso network). Blasts fired during the period (highlighted in red) and the monitor locations are shown in Figure 1. SUPA utilises some monitors from the Correnso network and some from the Project Martha network, with the data incorporated into a database shared with Project Martha.

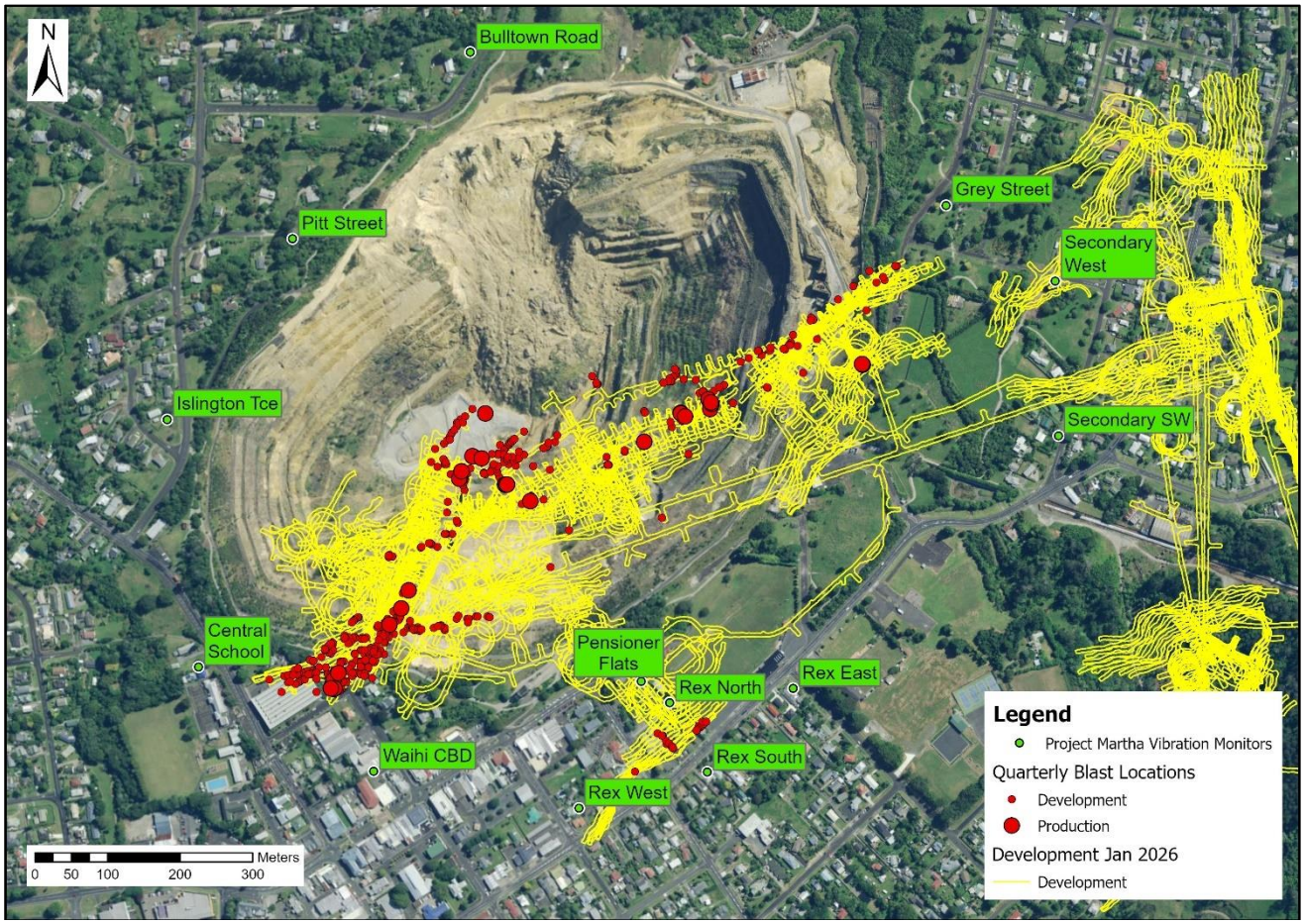

Figure 1. Vibration Monitor & Blast Locations – Project Martha / SUPA

The Trio Underground Operations has five compliance monitoring locations. As there is currently no mining being undertaken in the Trio Project area, vibration monitors are not installed. The infrastructure remains so monitors can be reinstalled should mining recommence in Trio.

The Correnso Underground monitoring network comprises seven permanent vibration monitors (previously 10). Approval from HDC was obtained to discontinue monitoring at three locations within the Correnso network in 2022. Blasts fired during the period (highlighted in red) and the monitor locations are shown in Figure 2.

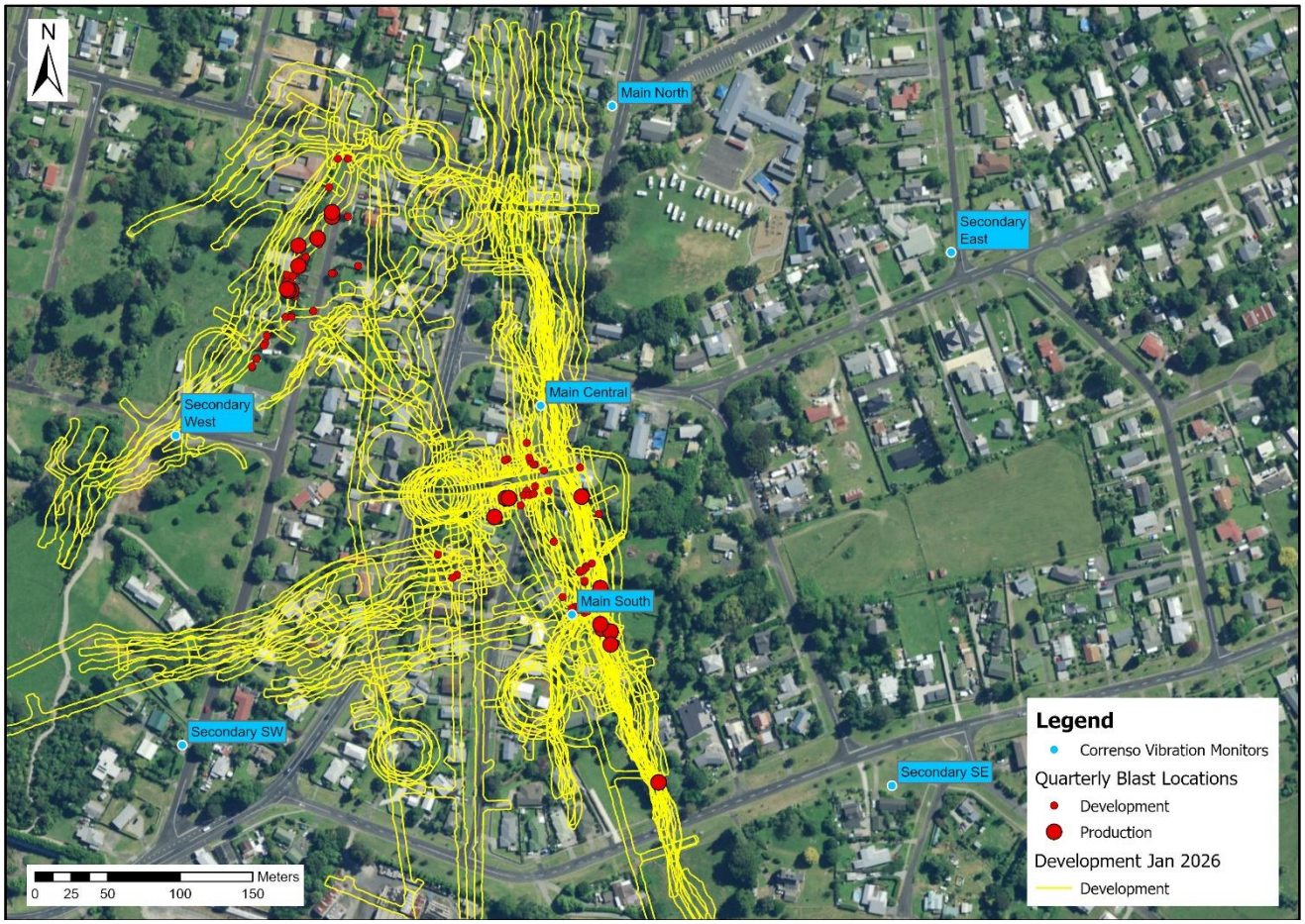

Figure 2. Vibration Monitor & Blast Locations – Correnso

3. Calibration

Calibration of monitoring equipment, including the roving monitors, is completed on a six-monthly rotation to allow enough coverage of vibration monitoring while calibrations take place. A six-monthly calibration run was last completed in Q3 2025. The calibrations were undertaken by the Saros Group Pty Ltd in Queensland and conducted in accordance with AS/NZS ISO9000-2000 and AS ISO/IEC17025-2005 quality standards.

4. Compliance Assessment

Table 1 sets out the consented compliance limits for blast magnitude (peak particle velocity - vector sum) for Correnso and Martha Underground, and the corresponding vibration results, reported as of the last day of the quarter (31 December 2025). Compliance with all limits was met throughout the quarter.

Table 1. Compliance Assessment Table for Correnso and Martha Underground/SUPA Q4 2025

	Consented Compliance Limit	Q4 Results - Correnso	Q4 Results - Martha Underground
Development 95%*	5 mm/s	1.03 mm/s	1.91 mm/s
Development Average*	2 mm/s	0.73 mm/s	0.66 mm/s
Production 95%*	5 mm/s	NA	3.79 mm/s
Production Average*	3 mm/s	No blasts	1.20 mm/s
Maintenance/Safety	1 mm/s	No blasts	No blasts

* Six month rolling limit; data is presented as at the end of the quarter

Note that there were only 20 production blasts in Correnso, which is not enough to calculate a 95th percentile.

4.1 Martha Underground/SUPA

119 blast events occurred in Martha Underground during the reporting period (cf. 137 in the previous quarter), with 56 events triggering compliance monitors.

Of the 642 individual blasts during the period:

- 611 were development blasts
- 31 were production blasts

The peak vibration levels for Martha Underground Operations (both production and development) during the quarter are shown in Figure 3 below.

Development:

- The highest six-month average[1] for development blasting at a compliance monitor was assessed as 0.66 mm/s at the Rex North monitor, below the consent limit average of 2 mm/s.
- The development six month rolling 95 percentile[1] for all locations was assessed as 1.91 mm/s, below the 5mm/s limit.

Production:

- The highest six-month average[1] for production blasting at a compliance monitor was assessed as 1.20 mm/s at the Central School monitor, below the consent limit average of 3 mm/s.
- The production six-month rolling 95 percentile[1] for all locations was assessed as 3.79 mm/s, below the 5 mm/s limit.

No Martha Underground blast events recorded vibration above 5 mm/s during the period.

Two blasts were fired outside of the preferred time windows specified in the Vibration Management Plan during the quarter. No maintenance/safety blasts were required in Martha Underground during the period and there were no blasts on Sundays or public holidays.

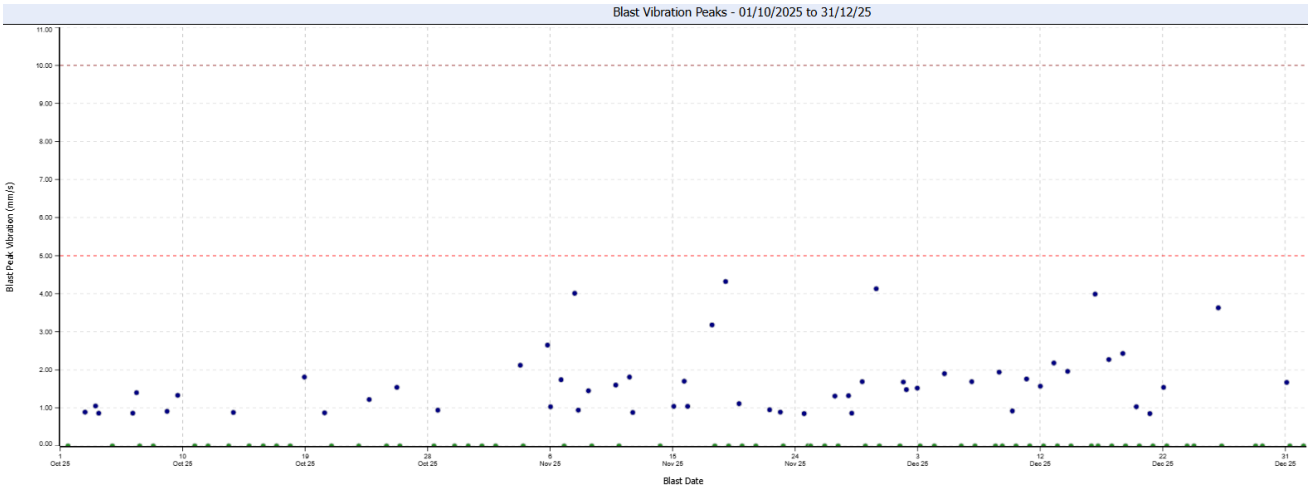

Figure 3. Maximum Peak Vibration Levels (Production and Development) – Martha Underground/SUPA

4.2 Underground (Favona & Trio) Operations

Mining plans for Trio were exhausted in the first quarter of 2020, and no blasting occurred during the reporting period. No blasting was undertaken within Favona during the reporting period.

[1] Data is presented as at the end of the quarter

4.3 Correnso

67 blast events occurred in Correnso during the reporting period (cf. 78 in the previous quarter), with 21 events triggering compliance monitors.

Of the 125 individual blasts during the period:

- 105 were development blasts
- 20 were production blasts

The peak vibration levels for Correnso during the quarter are shown in Figure 4 below.

Development:

- The highest six-month average[2] for development blasting at a compliance monitor was assessed as 0.73 mm/s at the Main Central monitor, below the consent limit average of 2mm/s.
- The development six month rolling 95 percentile[1] for all locations was assessed as 1.03 mm/s, below the 5mm/s limit.
- No Correnso blast events recorded vibration levels above 5 mm/s during the period.
- One blast was fired outside of the preferred time windows specified in the Vibration Management Plan during the quarter. No maintenance/safety blasts were required in Correnso during the period and there were no blasts on Sundays or public holidays.

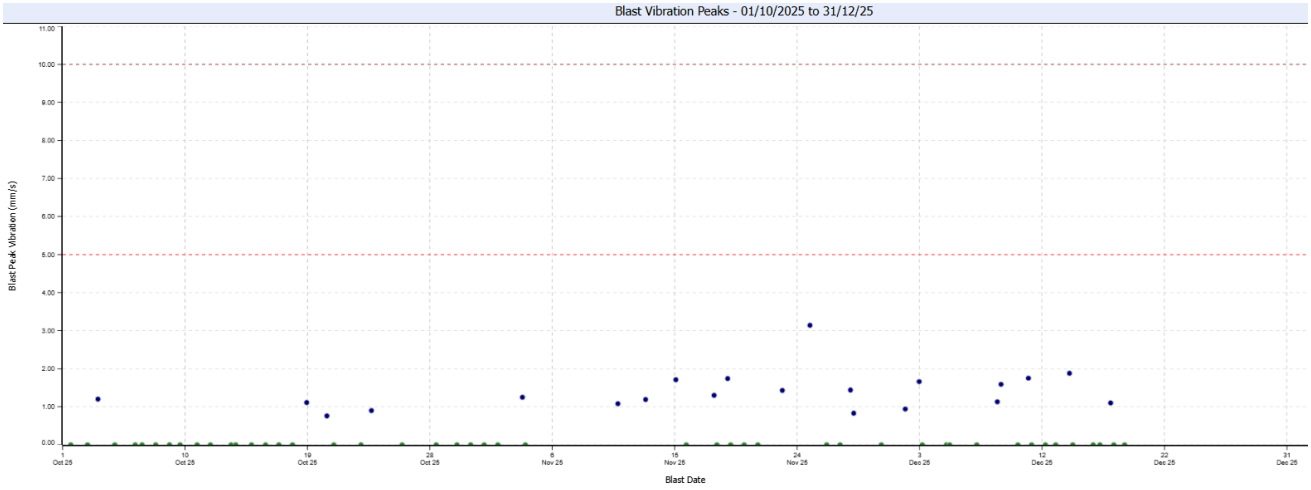

Figure 4. Maximum Peak Vibration Levels – Correnso

5. Blasting

The 186 blast events during this period is a decrease in blast events compared to the previous quarter (Table 2).

Table 2. Quarterly Blast Events

Operation	1st Quarter 2025	2nd Quarter 2025	3rd Quarter 2025	4th Quarter 2025
Martha Underground/SUPA	147	130	137	119
Underground (Trio)	0	0	0	0
Correnso	31	52	78	67
Total	**178**	**182**	**215**	**186**

**Some blasts have in the past occurred simultaneously with blasting in other operational areas and do not contribute to the total number of blast events. Trio and Correnso events would only contribute to the total when they are independent of Martha Underground.*

[2] Data is presented as at the end of the quarter

Multiple blasts are often fired during the one blast event. There were 767 sub-blasts initiated within the 186 blast events during the reporting period (Figure 5).

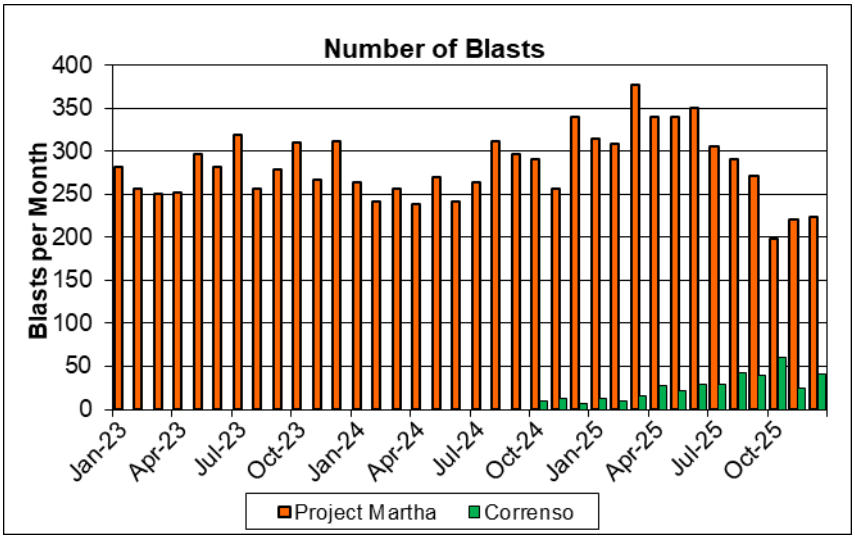

Figure 5. Number of Blasts (Project Martha and Correnso)

6. Complaints

Nine vibration related complaints were received in Q4 2025, which is two more than Q3 2025. Generally, the complainants had contacted OceanaGold to advise that they had felt a blast and that it shook their house.

Figures 6 and 7 below show complaints over the previous 12 months.

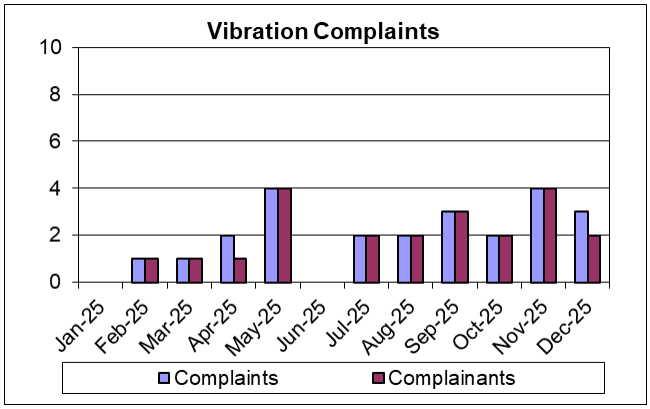

Figure 6. Number of Complaints & Complainants

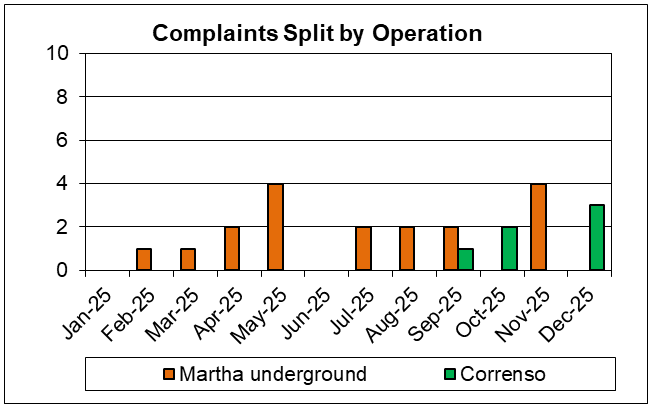

Figure 7. Complaints by Operation

7. Vibration and Complaint Management

7.1 Roving Monitoring

No roving monitoring was conducted in response to complaints or at the request of concerned residents during the quarter.

7.2 Mitigation Actions

Mitigation actions were not necessary as there were no high-level blast events during the quarter.