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1 INTRODUCTION

This document supplies the frequency analysis charts, noise summary results and the sound level meter setup photos for each monitoring event.

Surveyor:	Dylan Morris	Approver:	Kenneth Goodwin
Revision Issue Number:	01	Status:	Final
Job Number:	E2343		

2 CALIBRATION OF SOUND LEVEL METER

The Sound Level Meter ('SLM') was the

- NTI XL2 Audio Acoustic Hand-held Analyser SLM.

The SLM is Type 1 and equipped with Frequency Analysis Software.

The monitoring equipment was calibrated prior to and following the measurement period using a:

- Cirrus CR515 field calibrator (Serial Number 95601).

Broadband noise levels were measured using the A-weighted network, and a fast-sampling interval, unless otherwise stated.

Table 2-1: Calibration of the Sound Level Meter

Parameter	Detail
Project Name:	E2343 Noise Summary
Device Info:	XL2, SNo. A2A-18871-E0, FW4.21 Type Approved
Mic Type:	NTi Audio M2230, SNo. 8112
Mic Sensitivity:	42.7 mV/Pa, User calibrated 2024-11-27 11:18

3 NOISE SURVEY SUMMARY

Surveyor: Dylan Morris

Survey Date: 27th November 2024

TN Issue Date: 7 January 2025

Survey Period: 11:23 to 16:17.

Scope: This survey was undertaken to obtain baseline acoustic conditions in the vicinity of the Murren's Quarry. The summary noise results are presented in Table 3-1 below. A map of the noise monitoring locations is presented in Figure 3-1 below.

Table 3-1: Summary Noise Survey Results 27/11/2024

Type	Start	Elapsed Time (hh:mm:ss)	L _{Aeq} [dB]	L _{90.0%} [dB]	L _{10.0%} [dB]	L _{AFmax} [dB]	Commentary
NM1 R1	27/11/2024 11:23	00:30:00	40	32	43	57	Dominant: Birdsong. Faint off-site noise (W). Some site noise from trucks passing SLM while passing office
NM1 R2	27/11/2024 11:55	00:30:00	38	32	41	56	Dominant: Birdsong. Faint off-site noise (W). Some site noise from trucks passing SLM while passing office
NM2 R1	27/11/2024 12:32	00:30:00	55	35	55	77	Dominant: Traffic on R195. Occasional site reversing alarms (W)
NM2 R2	27/11/2024 13:03	00:30:00	56	36	57	82	Dominant: Traffic on R195. Occasional site reversing alarms (W)
NM3 R1	27/11/2024 15:16	00:30:00	66	38	63	88	Dominant: Traffic on R195. Off-site Reversing alarms (W). Repetitive hammering and reversing alarms at farmyard property (S).
NM3 R2	27/11/2024 15:47	00:30:00	68	41	69	88	Dominant: Traffic on R195. Site Reversing alarms (W). Repetitive hammering and reversing alarms at farmyard property (S).
NM4 R1	27/11/2024 14:06	00:30:00	55	30	42	85	Dominant: Traffic on nearby road. Reversing alarms on multiple occasions off-site (NW)
NM4 R2	27/11/2024 14:37	00:30:00	57	29	46	88	Dominant: Traffic on nearby road. Reversing alarms on multiple occasions off-site (NW)

Figure 3-1: Noise Monitoring Locations

4 NOISE MONITORING LOCATIONS 1/3 OCTAVE CHARTS

4-1 NM1 North of Quarry

Plate 1: NM1 Location



Chart 1: NM1 Run 1 1/3 Octave Frequency Analysis

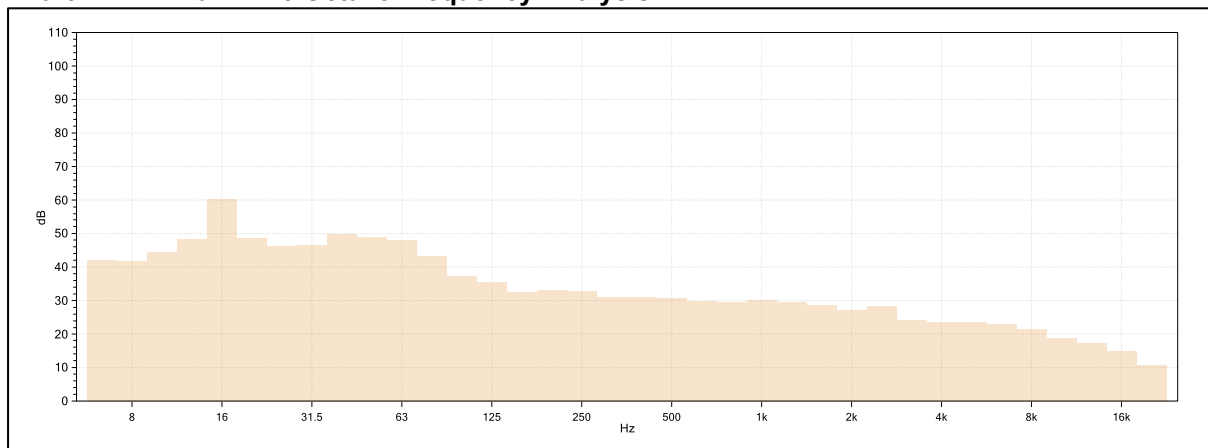
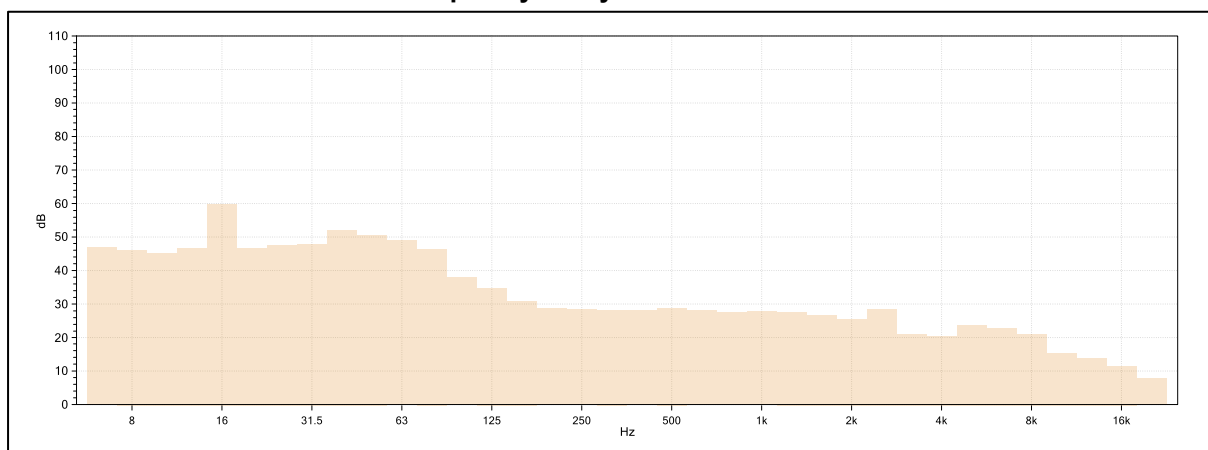


Chart 2: NM1 Run 2 1/3 Octave Frequency Analysis



4-2 NM2 East of Quarry roadside Entrance

Plate 2: NM2 Location



Chart 3: NM2 Run 1 1/3 Octave Frequency Analysis

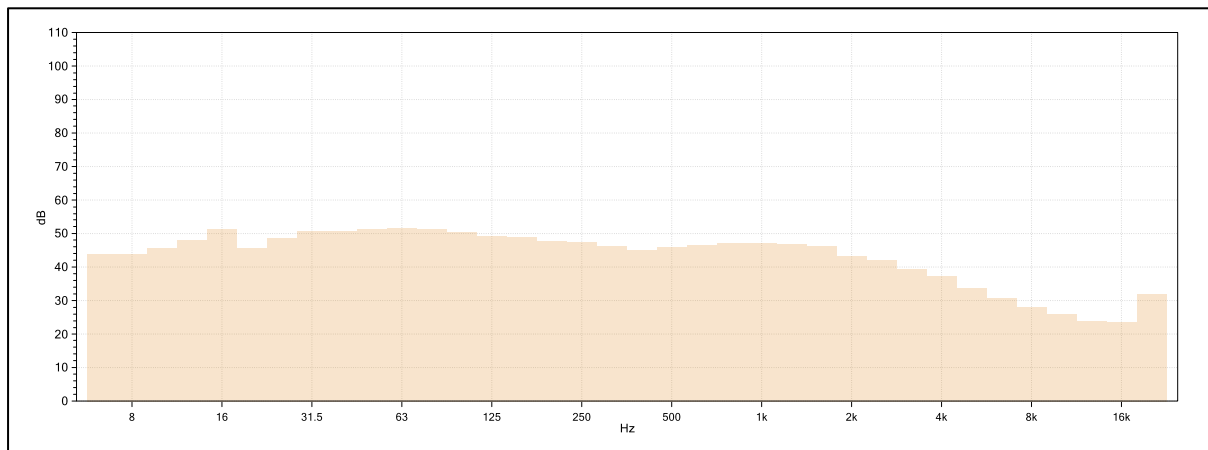
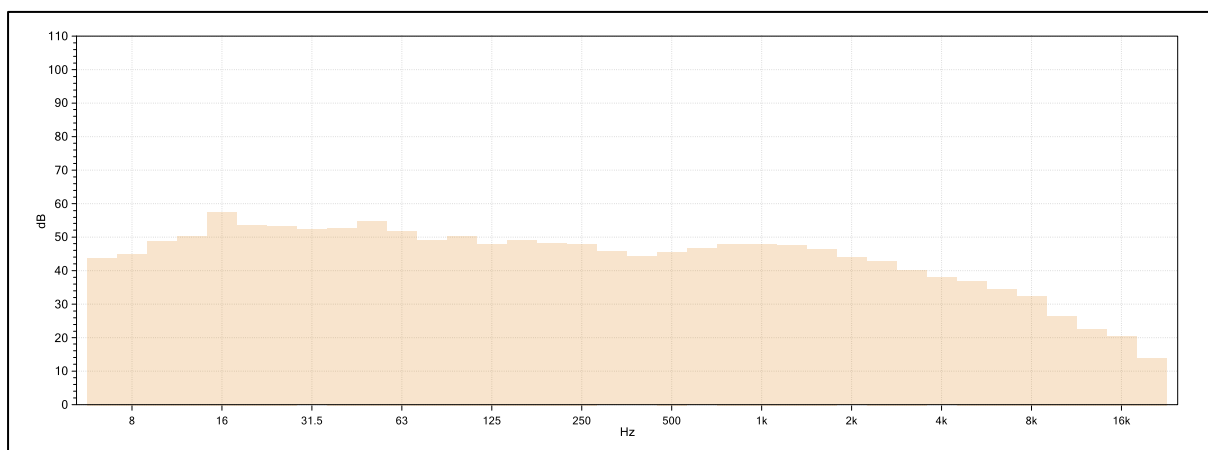


Chart 4: NM2 Run 2 1/3 Octave Frequency Analysis



4-3 NM3 Southeast of Quarry

Plate 3: NM3 Location



Chart 5: NM3 Run 1 1/3 Octave Frequency Analysis

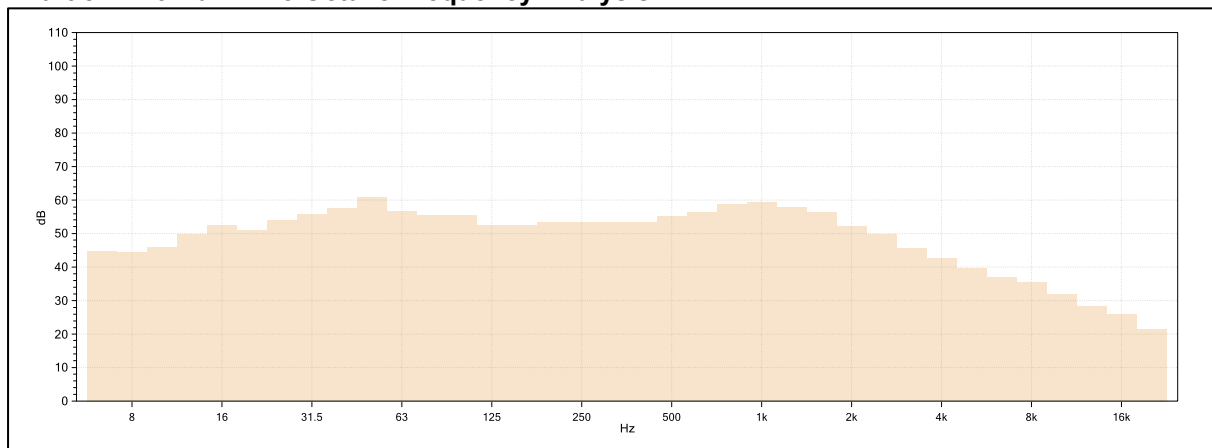
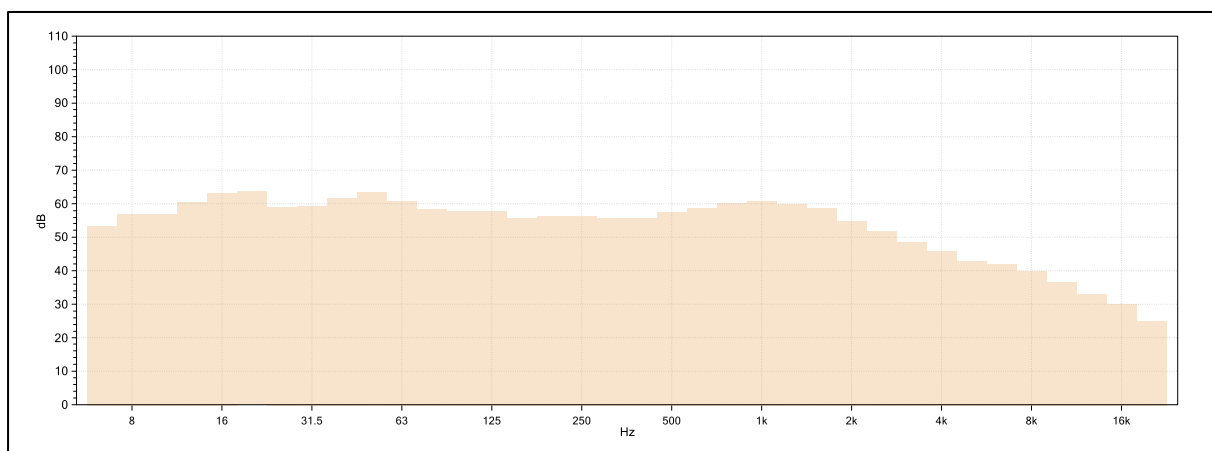


Chart 6: NM3 Run 2 1/3 Octave Frequency Analysis



4-4 NM4 Southwest of Quarry

Plate 4: NM4 Location



Chart 7: NM4 Run 1 1/3 Octave Frequency Analysis

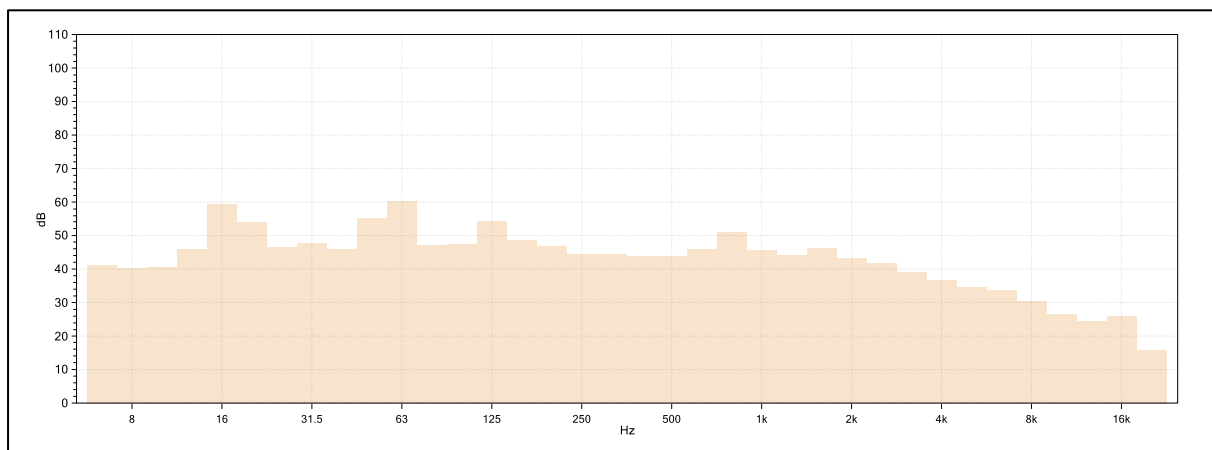


Chart 8: NM4 Run 2 1/3 Octave Frequency Analysis

