

## Appendix 2 Survey Results

### Survey Summary:

The survey comprised short-term operator attended noise measurements and longer-term unattended noise monitoring at the site. Noise levels at the site were generally dictated by road traffic on Mount Pleasant Road.

### Survey Period:

10/05/2024 to 14/05/2024

### Survey Objectives:

- To identify noise sources that contribute to ambient noise levels at the site;
- To measure noise levels around the site over a typical day and night-time period.

### Equipment Used:

Type	Manufacturer	Model	Serial Number
Sound level meter <sup>1</sup>	Brüel & Kjær	2250	3029152
Calibrator	Brüel & Kjær	4231	2115551
Sound level meter <sup>1</sup>	NTi Audio	XL2	A2A-24252-E1
Calibrator	Larson Davis	Type CAL200	15011
Sound level meter <sup>1</sup> (noise logger)	Rion	NL-32	00251125
Calibrator	Rion	NC-74	34551703

**Note 1:** All sound level meters were calibrated before and after measurement periods and no significant drift in calibration was found to have occurred. The results of the measurements are therefore considered to be representative.

### Weather Conditions:

The observed weather conditions were acceptable for acoustic measurement throughout the attended survey periods (low-medium wind speeds and no rain). Weather records for the area confirmed that weather conditions were also generally acceptable for acoustic measurement during the unattended monitoring.

### Measurement Positions:

Position (refer plan below)	Description
N1	Attended noise monitoring position. 1.5m above ground. Free-field. Direct line of sight to nearby roads
N2	Attended noise monitoring position. 1.5m above ground. Free-field. Direct line of sight to nearby roads
L1	Unattended noise logging position. 3m above ground level. Free-field. Direct line of sight to nearby roads
L2	Unattended noise logging position. 2m above ground level. Free-field. Direct line of sight to nearby roads

**Site Plan showing Measurement Positions:**



**Attended Noise Monitoring Results:**

Date	Position	Time	Meas. Length	LAeq, dB	LAmx, dB	LA90, dB	Observations
10/05/2024	N1	15:02	7 secs	57	65	-	Noise dictated by road traffic from Mount Pleasant Road
		15:04	4 secs	67	76	-	
		15:05	5 secs	61	66	-	
10/05/2024	N2	14:03	1 min 40 secs	42	59	36	Average noise level dictated by nature sounds. Background noise level dictated by Mount Pleasant Road.

Unattended Noise Monitoring Results:

Meas. Period	Position	Daytime (0700-2300hrs)		Night-time (2300-0700hrs)		
		LAeq,16hr, dB	LA90,1hr dB <sup>1</sup>	LAeq,8hr, dB	LA90,5mins, dB <sup>1</sup>	LAmaz, dB <sup>2</sup>
10/05/2024 to 14/05/2024	L1	62	35	53	31	74-76
10/05/2024 to 14/05/2024	L2	51	35	47	25	74-76

**Note 1:** Typical lowest measured during the period shown.

**Note 2:** Highest typical maximum noise level during the night-time (not exceeded more than 10-15 times per night).

Unattended Noise Monitoring Results:



