

**APPENDIX 11.3**  
**ENVIRONMENTAL NOISE SURVEY**

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## Appendix 11.3: Environmental Noise Survey

**Table A10.3.1: Noise monitoring equipment**

Position	Equipment	Serial Number	Calibration Date
Position 1	01dB Black Solo class 1 sound level meter	65682	03/08/2020
	01dB PRE215 pre-amplifier	16310	
	01dB MCE212 microphone	153491	
	01dB Cal21 acoustic calibrator	34134139	31/07/2020
Position 2	01dB Duo class 1 sound level meter	10517	07/02/2020
	PRE21S pre-amplifier	10730	
	GRAS 40CD microphone	161875	
	01dB Cal21 acoustic calibrator	34134139	31/07/2020

The measurements at both positions were taken with the microphones at a height of 1.5 metres above local ground level in free-field conditions, i.e. at least 3.5 metres away from any reflecting surfaces than the ground.

The prevailing acoustic climate at each position is described in **Table A11.3.2** and the weather conditions during the survey are described in **Table A11.3.3**. The full survey results for each position are shown graphically in **Figures A11.3.1** and **A11.3.2**.

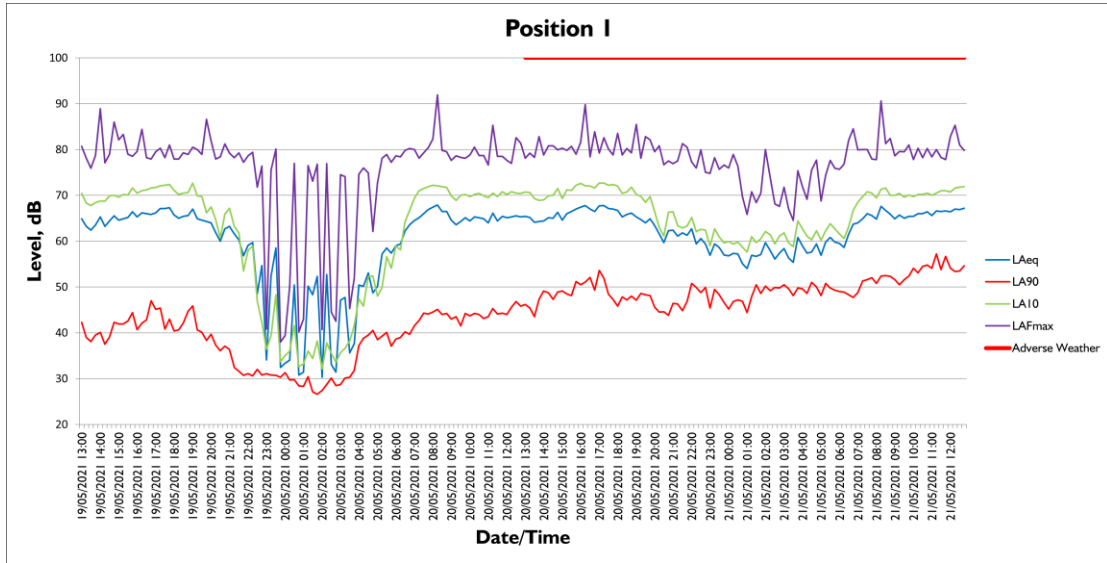
**Table A11.3.2: Prevailing acoustic climate**

Position	Survey Dates and Times	Acoustic Climate
Position 1	13:00 hours on Wednesday 19 <sup>th</sup> May 2021 to 13:00 hours on Friday 21 <sup>st</sup> May 2021	Road traffic noise along Radwinter Road was the most dominant sound source. Natural sound sources including birdsong was also audible.
Position 2		Distant road traffic noise along Radwinter Road was the most dominant sound source. Occasional residential noise including vehicle movements and people talking was noted at the residential development to the west. Natural sound sources including birdsong was also audible.

**Table A11.3.3: Prevailing weather conditions**

Position	Survey Dates and Times	Weather Conditions
Position 1	13:00 hours on Wednesday 19 <sup>th</sup> May 2021 to 13:00 hours on Friday 21 <sup>st</sup> May 2021	From start of survey on 19/05/2021 until afternoon of 20/05/2021: generally overcast but dry, temperatures up to 17°C with wind speeds of 0 to 3m/s from the north-west.
Position 2		From afternoon of 20/05/2021 until end of survey: periods of heavy rain and high windspeeds in excess of 5m/s.

**Figure A11.3.1: Noise levels measured at Position 1, free-field dB**



**Figure A11.3.2: Noise levels measured at Position 2, free-field dB**

