

## Appendix 12.3: Basic Noise Levels

**Table 1: Calculation of Basic Noise Level**

Road	Total Flows (AAWT)	%HGV	Speed (kmph)	Correction for Speed and HGV (dB)	Basic Noise Level (dB LA10, 18h)
A970	3006	8	88	2.9	66.8
B9075	228	14	50	1.0	53.7

**Table 2: Calculation of Daytime Ambient Noise Level**

Receptor	Road	Separation Distance	Basic Noise Level (dB LA10, 18h)	Distance Attenuation (dB)	Correction for Absorption (dB)	Conversion Correction from LA10, 18h (dB)	Ambient Noise Level at Receptor (dB LAeq,16h)	
Sand Water Farm	A970	120	66.8	-9.5	-4.4	-2	50.9	51.3
	B9075	75	53.7	-7.4	-3.7	-2	40.5	
North Setter	A970	2000	66.8	-21.7	-8.8	-2	34.3	41.8
	B9075	70	53.7	-7.1	-3.6	-2	40.9	
South Setter	A970	2000	66.8	-21.7	-8.8	-2	34.3	44.0
	B9075	45	53.7	-5.2	-3.0	-2	43.5	