

**Aberdeen Western Peripheral Route**  
**Environmental Statement Appendices 2007**  
**Part C: Southern Leg**  
**Appendix 30.2 – Ambient Noise Data**

**Location 1 Westholme:** The measurement location was 3.5m from the west facing door of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise at this location, at the time of measurement, was road traffic noise from the A944, situated to the south. Birdsong and wind in the surrounding trees also contributed to the noise climate.

**Table 1: Location 1**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	11/07/2006	09:50	00:30	53.1	56.2	47.9	4.4 S	Overcast, Dry	Aircraft passed at 10:05 hours.
Weekday PM	11/07/2006	13:34	00:30	50.4	53.5	44.8	3.7 S	Dry, Sunny spells	Aircraft and helicopter passed overhead, throughout measurement. Tractors passed on a local road during the measurement.

**Figure 1 – Measurement Location 1**



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**Location 2 Ardenlea:** The A944 is located directly to the north of the property boundary. The measurement location was 1m from the north facing window within the grounds of the property. The sound level meter was located 1.2m above the ground at 1m from the façade. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise at this location, at the time of measurement, was road traffic noise from the A944.

**Table 2: Location 2**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average (m/s) & Direction)	Conditions	
Weekday AM	28/06/2006	10:02	00:30	68.1	71.6	57.6	1.8 E	Sunny.	Continuous traffic on A944 throughout measurement. Aircraft passing at 10:15 hours.
Weekday PM	28/06/2006	13:58	00:30	67.9	71.5	57.8	3.8 E	Sunny.	Continuous traffic on A944 throughout measurement. Aircraft passing at 14:15 hours.

**Figure 2 – Measurement Location 2**



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**Location 3 Clark & Sutherland:** The A944 is situated approximately 40m to the north of the property boundary. The measurement location was 4.1m from the east facing door of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise at this location, at the time of measurement, was road traffic noise from the A944. Sporadic industrial noise from a vehicle workshop located south of Clark and Sutherland also contributed to the noise climate.

**Table 3: Location 3**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	28/06/2006	10:52	00:30	62.3	65.7	60.8	1.2 E	Sunny, Dry	Car in car park and aircraft passing at 11:03 hours. Use of grinder in vehicle workshop at 11:07 and 11:11 hours.
Weekday PM	28/06/2006	14:38	00:30	61.5	64.6	60.3	<5 E	Sunny, Dry	Air craft passing at 14:43 hours. car horn at 14:53 ours

**Figure 3 – Measurement Location 3**



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**Location 4 Hillview:** The measurement location was 7.7m from the north east facing window of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong. Distant road traffic noise from the A944, situated to the north also contributed to the noise climate.

**Table 4: Location 4**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	28/06/2006	11:31	00:30	42.6	44.1	38.5	2.8 E	Sunny, Dry	Woman talked for approx 1 min near microphone at 11:39 hours. Car movement in driveway at 11:49 hours. Air craft passing at 12:00 hours.
Weekday PM	28/06/2006	15:29	00:30	46.5	48.6	42.9	<5 E	Sunny, Dry	Aircraft passing and sneeze at 15:32 hours.

**Figure 4 – Measurement Location 4**



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**Location 5 Benview:** There is an access road to other properties passing directly to the west of the property. The measurement location was 1m in front of the western boundary wall of the property and 1m from the façade of the house was a further 5m behind the wall. The sound level meter was located 1.2m above the ground, at 1m from the facade. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was distant road traffic noise from the A944, situated to the north. Birdsong also contributed to the noise climate.

**Table 5: Location 5**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	28/06/2006	12:16	00:30	49.6	41.7	32.9	1.5 SE	Sunny, Dry	Car passes on access road (x4), Air craft passes (x3).
Weekday PM	28/06/2006	16:04	00:30	52.2	45.6	36.2	4.6 E	Sunny, Dry	Car passes on access road (x4), Air craft passes (x3).

**Figure 5 – Measurement Location 5**



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**Location 6 Tigh – na – Bruaich:** There is an access road to other properties passing directly to the east of the property. The measurement location was 8.9m from the west facing window of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong. Cattle noise and distant road traffic noise from the A944, situated to the north also contributed to the noise climate.

**Table 6: Location 6**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	29/06/2006	09:56	00:30	38.5	41.1	32.5	4.8 S	Dry, Sunny spells	Aircraft passing (x3). A dog barking at 10:21 hours.
Weekday PM	06/09/06	16:34	00:30	48.8	50.3	45.7	<3.2 NE	Cloudy, Dry	Aircraft passing (x2). At 16:47 hours a helicopter passed in the distance.

**Figure 6 – Measurement Location 6**



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**Location 7 Craiglug:** The measurement location was 1m from the west facing boundary wall of the property, the façade of the house was a further 15m behind the boundary wall. The sound level meter was located 1.2m above the ground, in façade conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong. Agricultural noise within the area also contributed to the noise climate.

**Table 7: Location 7**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	29/06/2006	11:52	00:30	44.6	46.4	37.8	3.8 SW	Dry, Sunny spells	Air craft passing (x2), Tractor working in distance at 12:00 hours.
Weekday PM	07/07/2006	15:41	00:30	45.4	49.7	32.5	0 N/A	Sunny, Dry	Motorbike passing at 15:51 hours. Helicopter passing at 15:56 hours. Aircraft passing at 16:06 hours.

**Figure 7 – Measurement Location 7**



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**Location 8 Gairn Farm:** The measurement location was 3.5m from the east facing wall of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source of this location, at the time of measurement, was birdsong. Agricultural noise within the area also contributed to the noise climate.

**Table 8: Location 8**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	29/06/2006	11:00	00:30	38.6	41.5	33.1	<5.0 S	Dry, Sunny spells	Aircraft passing (x4).
Weekday PM	07/07/2006	14:57	00:30	44.0	41.0	26.8	2.3 N	Sunny, Dry	Helicopter passing at 15:01 hours. Tractor entered yard at 15:08 hours. Aircraft passing at 15:24 hours.

**Figure 8 – Measurement Location 8**



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**Location 9 Broomhill:** The measurement location was 3.5m from the west facing windows of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong.

**Table 9: Location 9**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	07/09/06	12:17	00:30	46.9	50.1	40.9	<1.3 NE	Overcast, Light Rain	Aircraft passing (x4) during measurement.
Weekday PM	07/09/06	14:23	00:30	45.7	47.6	41.7	<2.5 NE	Overcast, Dry	Aircraft passing at 14:27 hours.

**Figure 9 – Measurement Location 9**



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**Location 10 Ardnamoine:** The measurement location was 3.5m from the west facing window of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong.

**Table 10: Location 10**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	30/06/2006	10:03	00:30	45.7	48.0	38.9	2.0 W	Dry, Slightly overcast	Aircraft passed at 10:08 hours
Weekday PM	06/09/06	17:15	00:30	49.3	53.1	40.1	0 N/A	Overcast, Dry	Door Closed at 17:30 hours, Car left driveway at 17:32 hours.

**Figure 10 – Measurement Location 10**



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**Location 11 Gairn Park:** There is an access road to other properties situated directly north of the property. The measurement location was 1m from the east facing window of the property. The sound level meter was located 1.2m above the ground at 1m from the façade. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong. Wind in the surrounding trees and occasional road traffic passing on the access road to the north also contributed to the noise climate.

**Table 11: Location 11**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	30/06/2006	10:03	00:30	52.9	48.0	36.6	4.7 S	Dry, Slightly overcast	Aircraft passing (x4) during measurement.
Weekday PM	07/09/06	13:48	00:30	39.3	41.7	34.3	<1.8 SSW	Overcast, Dry	Aircraft passing (x2), Car entered driveway at 13:57 hours

**Figure 11 – Measurement Location 11**



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**Location 12 Beanshill Lodge:** The measurement location was 3.5m from the east facing window of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong. Agricultural noise within the area also contributed to the noise climate.

**Table 12: Location 12**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	30/06/2006	11:51	00:30	47.4	48.5	40.1	3.3 S	Dry, Slightly overcast	Air craft passing (x3), A tractor working in nearby field (ongoing).
Weekday PM	11/07/2006	15:39	00:30	41.0	44.8	32.0	3.4 N	Dry, Sunny spells	Air craft passing at 15:48 hours, Car movement in driveway at 15:58.

**Figure 12 – Measurement Location 12**



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**Location 13 Hill Farm:** There is an access road to other properties situated directly north west of the property boundary. The measurement location was 8m from the south west facing windows of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong. Occasional road traffic noise from the access road to the south west also contributed to the noise climate.

**Table 13: Location 13**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	30/06/2006	12:35	00:30	48.9	48.5	35.8	<5.0 SE	Slightly overcast, light rain.	Air craft (x2), cars (x4)
Weekday PM	06/09/06	15:31	00:30	46.0	47.0	35.3	0 N/A	Sunny, Dry	Cars(x2) and Tractor passed meter, Air Craft (15:39)

**Figure 13 – Measurement Location 13**



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**Location 14 Neather Beanshill Farm:** The measurement location was 55m from the east facing windows of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was agricultural machinery movement within the site. Birdsong and distant road traffic noise from the A93, situated to the far south, also contributed to the noise climate.

**Table 14: Location 14**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	05/07/2006	10:13	00:30	60.5	63.6	37.0	2.5 S	Sunny, Dry.	Farm very busy with a lot of activity.
Weekday PM	05/07/2006	14:09	00:30	58.7	49.0	36.5	2.3 S	Sunny, Dry.	Dogs barking at 14:11, 14:35 hours. General work activity on farm.

**Figure 14 – Measurement Location 14**



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**Location 15 Golf Course:** The measurement location was approximately 45m from the eastern edge of the golf course boundary, which was 3.5m from the western edge of the bunker on the 7<sup>th</sup> hole. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was extractor fan noise from the kitchen of neighbouring Kippie Lodge, situated approximately to the south. Minimal industrial noise from the north west also contributed to the noise climate.

**Table 15: Location 15**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	16/08/06	11:19	00:30	43.6	45.5	40.6	0 N/A	Overcast, dry	Lawnmower passed on lane at 11:21, Children passed on lane at 11:27.
Weekday PM	16/08/06	15:59	00:30	45.8	47.2	40.1	0 N/A	Overcast, dry	Air craft passed (x6)

**Figure 15 – Measurement Location 15**



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**Location 16 Croft House:** Culter House Road is situated directly south of the property boundary. The measurement location was 3.5m from the east facing door of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong. Occasional road traffic passing on Culter House Road and distant road traffic noise from the A93, situated to the south also contributed to the noise climate.

**Table 16: Location 16**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	05/07/2006	11:02	00:30	47.1	46.2	36.2	0 N/A	Sunny, Dry	Air craft passing (x3). Cars passing on Culter House Road (x4).
Weekday PM	05/07/2006	14:53	00:30	46.1	47.1	40.3	0 N/A	Sunny, Dry	Door closed at 14:54, 15:04 hours. Cars passing on Culter House Road (x3)

**Figure 16 – Measurement Location 16**



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**Location 17 69B Culter House Road:** The measurement location was 3.5m from the western facing door of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong. Wind in the surrounding trees also affected the noise climate.

**Table 17: Location 17**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	07/09/06	11:08	00:30	47.2	49.6	43.2	0 N/A	Sunny, Dry	Aircraft passing (x2)
Weekday PM	06/09/06	14:50	00:30	44.0	45.0	41.0	0 N/A	Overcast, Dry	Aircraft passing at 14:59 hours.

**Figure 17 – Measurement Location 17**



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**Location 18 East Lodge:** The measurement location was 1m from the south facing windows and doors of the property. The sound level meter was located 1.2m above the ground in façade conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was the A93 to the south.

**Table 18: Location 18**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	13/09/06	11:10	00:30	47.1	49.6	43.7	2.3 SW	Overcast, Dry	Air Craft passing (x5), Some road works to west of property
Weekday PM	12/09/06	16:41	00:30	50.0	51.2	46.7	2.6 W	Sunny, Dry	Car pass (x2), whistle (16:45)

**Figure 18 – Measurement Location 18**



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**Location 19 The Stables:** The measurement location was 3.5m from the west facing windows of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was the A93, situated approximately 100m to the south.

**Table 19: Location 19**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	28/07/2006	12:34	00:30	46.8	47.3	41.1	0 N/A	Dry, Sunny spells	Aircraft passing at 12:36, 12:51 hours.
Weekday PM	28/07/2006	14:06	00:30	47.7	48.4	42.2	0 N/A	Sunny, Dry	Aircraft at start of measurement (approx 20 seconds). Aircraft passing (x4) during measurement.

**Figure 19 – Measurement Location 19**



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**Location 20 Hawkhill House Residential Nursing Home:** Culter House Road is situated to the north of the property. The measurement location was 1m from the west facing conservatory of the property. The sound level meter was located 1.2m above the ground in façade conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was road traffic noise from the A93, situated to the south of the property.

**Table 20: Location 20**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	28/07/2006	10:01	00:30	54.6	55.5	43.6	0 N/A	Overcast	Van movement in driveway at 10:18 hours. Cars passing (x2) at 10:23 hours on driveway.
Weekday PM	28/07/2006	14:50	00:30	52.7	55.3	46.3	0 N/A	Sunny, Dry	People talking nearby at 15:13 hours. Car passing at 15:18 hours on driveway. Aircraft passing at 15:19 hours.

**Figure 20 – Measurement Location 20**



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**Location 21: Culter House Nursing Home**

**Location is a derelict building – measurements not carried out.**

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**Location 22 Pavilion:** The pavilion is located within Milltimber Playing Fields. The measurement location was 3.5m from the east facing windows of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was children playing due to a summer play scheme ongoing throughout measurement period.

**Table 22: Location 22**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	07/07/2006	09:51	00:30	54.2	56.5	44.2	0 N/A	Sunny, Dry	Children playing games outside throughout measurement
Weekday PM	07/07/2006	13:35	00:30	70.7	74.5	49.8	0 N/A	Sunny, Dry	Children playing games outside throughout measurement

**Figure 22 – Measurement Location 22**



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**Location 23 381 North Deeside Road:** The measurement location was 2.4m from the kerb of the A93 facing north. This position is 7.5m from the nearest build line of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was road traffic noise from the A93.

**Table 23: Location 23**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	13/09/06	10:27	00:30	73.8	78.3	53.9	2.3 W	Sunny Spells, Dry	Dominant noise from road traffic passing on A93.
Weekday PM	12/09/06	14:23	00:30	74.9	78.6	56.8	3.7 W	Sunny Spells, Dry	Dominant noise from road traffic passing on A93.

**Figure 23 – Measurement Location 23**



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**Location 24 Kippie Lodge, Aberdeen Petroleum Club:** The measurement location was 3.5m from the south facing windows of the property. The sound level meter was placed here to restrict noise from the kitchen extractor fan, near the main property entrance, situated to the east, affecting the noise levels during measurement. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source of this location, at the time of measurement, was road traffic noise from the A93 to the south of the property. Occasional traffic passing on the driveway of Kippie Lodge and the noise from children playing nearby also contributed to the overall noise climate.

**Table 24: Location 24**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	16/08/06	10:17	00:30	48.0	50.6	44.2	0 N/A	Overcast, dry	People walked past (x3) talking.
Weekday PM	16/08/06	15:13	00:30	55.0	57.9	46.7	0 N/A	Overcast, dry	People walked past (x4) talking.

**Figure 24 – Measurement Location 24**



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**Location 25 International School of Aberdeen:** The measurement location was 3.5m from the south facing windows of the property. The measurement location was on a playing field that is used frequently by children during break and lunch times. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source of this location, at the time of measurement, was road traffic noise from the A93, situated directly to the south of the property.

**Table 25: Location 25**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	07/09/06	10:29	00:30	54.4	56.6	49.0	0 N/A	Sunny, Dry	Some children playing nearby at start of measurement.
Weekday PM	06/09/06	13:53	00:30	51.8	53.0	47.3	0 N/A	Sunny, Dry	Aircraft passing at 13:56 hours, people talking nearby at 14:01, 14:05 hours.

**Figure 25 – Measurement Location 25**



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**Location 26 1 Milltimber Brae East:** The measurement location was 1m from the north facing windows of the property. The sound level meter was located 1.2m above the ground and 1m from the façade. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was road traffic noise from the A93, situated approximately 10m directly to the north.

**Table 26: Location 26**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	15/08/06	12:12	00:30	60.6	63.8	50.9	0 N/A	Overcast, dry	Aircraft passes (x4)
Weekday PM	15/08/06	17:05	00:30	62.4	65.1	56.4	0 N/A	Overcast, dry	Aircraft passes (x3)

**Figure 26– Measurement Location 26**



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**Location 27 The Siding:** Station Road is situated directly north of the property boundary. The measurement location was 1m from the west facing windows of the property. The sound level meter was located 1.2m above the ground and 1m from the façade. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was road traffic noise from the B979, situated to the west. Birdsong and the occasional car passing on Station Road also affected the overall noise climate.

**Table 27: Location 27**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	07/07/2006	11:27	00:30	46.6	49.4	41.4	0 N/A	Slightly overcast, Dry.	Car horn at 11:36 hours, Motorbike passing at 11:39 hours, Car door closed at 11:54
Weekday PM	27/06/2006	16:20	00:30	52.9	55.0	47.2	0 N/A	Dry, Sunny spells	Aircraft passes (x3). Car movement in driveway at 16:21, 16:45 hours

**Figure 27 – Measurement Location 27**



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**Location 28: Camphill Estate**

**A separate report on existing noise levels has been prepared for this area.**

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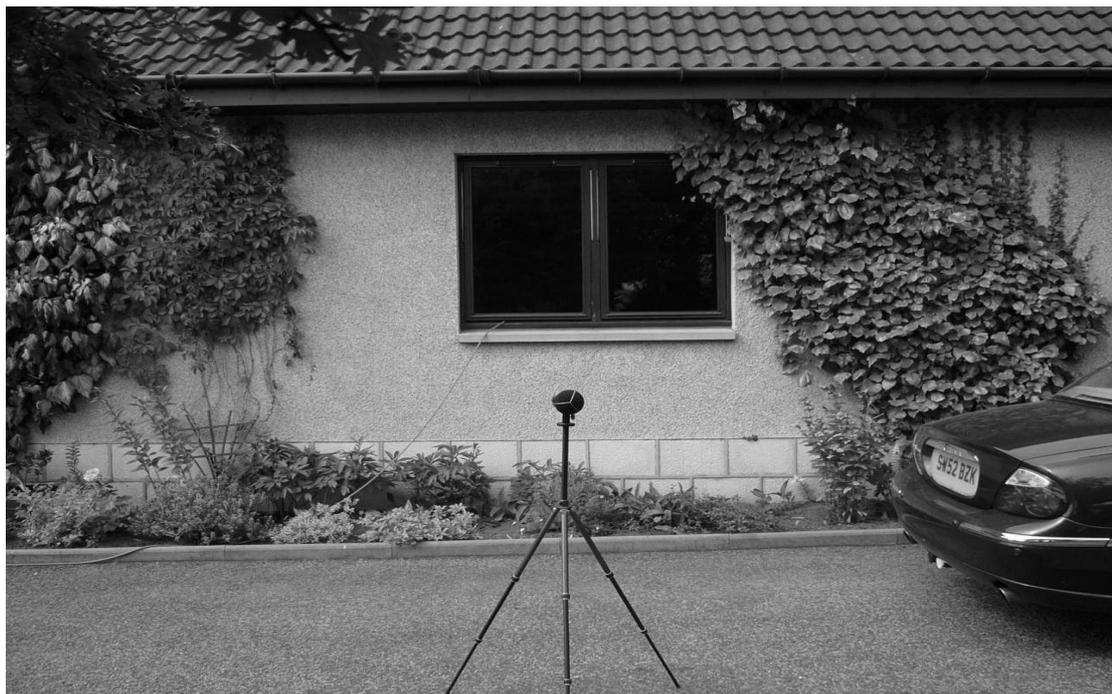
**Location 29 The Gables:** The measurement location was 4.1m from the west facing windows of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was road traffic noise from the B979, situated approximately 25m to the east.

**Table 29: Location 29**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	28/07/2006	10:49	00:30	57.6	61.9	41.9	1.3 S	Overcast, Dry.	Steady road traffic passing throughout measurement Aircraft passing (x2)
Weekday PM	28/07/2006	15:26	00:30	60.1	63.6	48.7	1.7 S	Overcast, some rain	Steady road traffic passing throughout measurement Aircraft passing (x3)

**Figure 29 – Measurement Location 29**



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**Location 30 Old Mill Inn:** The measurement location was 10m from the east facing windows of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was road traffic noise from the B9077, situated directly to the south. Road traffic noise from the B979, situated to the east, also contributed to the overall noise climate.

**Table 30: Location 30**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & direction	Conditions	
Weekday AM	07/07/2006	10:38	00:30	52.7	53.7	44.9	0 N/A	Slightly overcast, Dry.	Steady road traffic noise from the B9077 and B979
Weekday PM	27/06/2006	15:28	00:30	52.6	55.4	46.6	<5.0 SSE	Dry, Light breeze	Steady road traffic noise from the B9077 and B979

**Figure 30 – Measurement Location 30**



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**Location 31 North Lodge:** The B9077 is located directly north of the property boundary. The measurement location was 1m from the north facing window of the property. The sound level meter was located 1.2m above the ground and 1m from the facade. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was road traffic noise from the B9077, situated to the north of the property.

**Table 31: Location 31**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	27/06/06	10:44	00:30	59.0	61.8	38.4	3.8 SW	Dry, sunny spells	Steady road traffic noise from the B9077 throughout measurement.
Weekday PM	15/08/06	16:24	00:30	60.4	63.5	42.1	0 N/A	Overcast, dry	Motorbikes passed on B9077 (x5) during measurement period.

**Figure 31 – Measurement Location 31**



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**Location 32 Kingcausie House:** The measurement location was 3.5m from the east facing windows of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong. Distant road traffic noise from the B9077, situated to the north also contributed to the noise climate.

**Table 32: Location 32**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	27/06/06	10:04	00:30	49.6	53.9	36.4	0 N/A	Dry, sunny spells	Small aircraft passing at start of measurement. Aircraft passing at 10:28 hours.
Weekday PM	27/06/06	14:45	00:30	51.5	56.7	36.0	0 N/A	Dry, sunny spells	Aircraft passing (x3) during measurement period.

**Figure 32 – Measurement Location 32**



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**Location 33/34 Eastland Cottage/House:** The measurement location was 9.3m from the east facing doors and windows of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong. Winds affecting the surrounding trees and foliage also contributed to the overall noise climate.

**Table 33/34: Location 33/34**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	14/08/06	10:19	00:30	45.0	47.1	39.0	0 N/A	Overcast, light rain	Helicopter passing at 10:46 hours. Car with modified engine passed in distance at 10:48 hours.
Weekday PM	14/08/06	13:30	00:30	47.0	49.8	40.9	0 N/A	Overcast	Aircraft passing at 13:39 hours.

**Figure 33/34 – Measurement Location 33/34**



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**Location 36 Tarns:** The measurement location was 6.7m from the east facing window of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong. Winds affecting the surrounding trees also contributed the overall noise climate.

**Table 36: Location 36**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed Average m/s & Direction	Conditions	
Weekday AM	28/08/06	11:38	00:30	41.1	44.8	29.3	0 N/A	Dry, sunny spells	Aircraft passing (x3) during measurement period.
Weekday PM	15/08/06	15:39	00:30	43.2	37.2	27.4	0 N/A	Overcast	Aircraft passing (x4) during measurement period.

**Figure 36 – Measurement Location 36**



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**Location 37 Burnhead Cottage:** There is an access road, to other properties in the area, located 5.7m to the north of the property boundary. There is second access road, to other properties in the area, located 3.5m to the east of the property boundary. The measurement location was 1m from the north facing wall of the property. The sound level meter was located 1.2m above the ground in façade conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong. Winds affecting the surrounding trees also contributed the overall noise climate.

**Table 37: Location 37**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	15/08/06	10:28	00:30	57.0	47.3	22.7	0 N/A	Overcast, dry	Cars passing on access roads (x8) Aircraft passing (x2) throughout measurement.
Weekday PM	15/08/06	14:06	00:30	54.1	35.2	21.8	0 N/A	Overcast, dry	Aircraft passing (x4), cars passing on access roads (x6) throughout measurement period.

**Figure 37 – Measurement Location 37**



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**Location 38 Kemehe:** The measurement location was 7.7m from the south facing windows of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement was birdsong. Winds affecting the surrounding trees also contributed the overall noise climate.

**Table 38: Location 38**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	14/08/06	11:17	00:30	40.6	40.6	32.1	0 N/A	Overcast, light rain	Car entered driveway, dog barked at 11:42 hrs
Weekday PM	14/08/06	14:12	00:30	42.2	44.8	35.0	0 N/A	Overcast	Aircraft passed (x3) during measurement period.

**Figure 38 – Measurement Location 38**



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**Location 39: Merchants Croft**

**Derelict building: Measurement not taken**

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**Location 40 Newlands Farm:** The measurement location was 1m from the south facing window of the property. The sound level meter was located 1.2m above the ground in façade conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong during the morning measurement period and distant industrial noise, during the afternoon measurement period.

**Table 40: Location 40**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	05/07/2006	12:40	00:30	47.7	44.9	35.9	4.5 S	Sunny, Dry	Aircraft passing (x3), sneeze near microphone at 13:03.
Weekday PM	05/07/2006	16:32	00:30	48.2	50.1	35.6	2 S	Sunny, Dry	Aircraft passing (x4), Door closing a number of times throughout measurement.

**Figure 40 – Measurement Location 40**



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**Location 41 Grianan:** The measurement location was 3.5m from the east facing door and window of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement was birdsong.

**Table 41: Location 41**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	06/07/2006	12:27	00:30	50.5	40.1	29.3	1.5 S	Sunny, Dry	Aircraft passing (x5), Dog barking at 12:30hrs.
Weekday PM	06/07/2006	16:24	00:30	50.9	48.1	30.5	2.1 S	Sunny, Dry	Helicopter passing at 16:27hrs, Aircraft passing (x5), Cars passing property (x2) during measurement period.

**Figure 41 – Measurement Location 41**



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**Location 42 Bishopston Farm:** The measurement location was 3.5m from the east facing door of the property. The microphone was placed here as there were no windows or doors on the north facing wall of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement was noise from agricultural machinery. Also present was noise from cattle in neighbouring fields. The property had a lot of activity during the morning measurement period, due to its business as a working dairy farm.

**Table 42: Location 42**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	11/07/2006	10:52	00:30	53.3	55.5	46.5	0.5 S	Sunny, Dry	Aircraft passing (x4) during measurement period. Lorry entered yard at 11:11hrs.
Weekday PM	11/07/2006	14:42	00:30	46.6	49.9	37.3	0.7 S	Sunny, Dry	Aircraft at 14:57 hrs, agricultural machinery noise, at 15:03hrs.

**Figure 42 – Measurement Location 42**



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**Location 43 Little Bishopston:** The measurement location was 1m from the north facing porch door of the property. The microphone was placed here as there was no access available to the south side of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was birdsong.

**Table 43: Location 43**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	15/08/06	11:19	00:30	34.2	37.3	24.8	0 N/A	Overcast, dry	Aircraft passing (x4) during measurement period.
Weekday PM	15/08/06	14:48	00:30	35.9	35.5	28.0	0 N/A	Overcast, dry	Aircraft passing (x3) during measurement period.

**Figure 43 – Measurement Location 43**



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**Location 44 Midfield Cottage:** The measurement location was 3.5m from the north facing window of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement was birdsong.

**Table 44: Location 44**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	27/07/2006	11:53	00:30	45.1	45.5	34.6	0 N/A	Sunny, Dry	Man talking at start of measurement, Aircraft passing at 12:03, 12:22 hrs.
Weekday PM	27/07/2006	14:56	00:30	43.0	41.3	30.9	0 N/A	Overcast	Aircraft passing (x3) during measurement period.

**Figure 44 – Measurement Location 44**



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**Location 45 Haremass Cottage:** The measurement location was 1m from the south facing window of the property. This location was chosen as there was no access available to the north side of the property and there were no windows present on the east facing wall. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement was birdsong.

**Table 45: Location 45**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	06/07/2006	12:27	00:30	44.5	44.2	32.1	0 N/A	Sunny, Dry	Aircraft passing (x3), cars passing (x5), helicopter passed overhead (x3) during measurement period.
Weekday PM	06/07/2006	16:24	00:30	42.0	42.2	37.3	2.6 S	Overcast, Sunny	Cars passing (x5) throughout measurement period.

**Figure 45 – Measurement Location 45**



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**Location 46/ 47 The Beaches/Duffshill:** To the west of the property there is an access road to other properties in the area. The measurement location was 4.3m from the south facing conservatory of The Beaches property. Duffshill is located approx 100m away to the south of The Beaches. The road will be passing directly through the middle of the land between the properties and as they are positioned on the same elevation, one measurement was taken for both properties. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement was distant agricultural machinery noise. Birdsong and winds affecting the surrounding trees also contributed to the overall noise climate.

**Table 46/47: Location 46/47**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	12/07/2006	09:42	00:30	42.2	43.3	39.1	1.4 S	Overcast	Van passed on access road (x3), Aircraft passed at 09:59 hrs.
Weekday PM	12/07/2006	13:47	00:30	46.1	48.2	42.5	1.9 S	Overcast	Aircraft passed at 14:09 hrs. Car movement in driveway at 14:10 hrs, car passing on access road (x2) during measurement period.

**Figure 46/47 – Measurement Location 46/47**



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**Location 48 Turnamiddle House:** The measurement location was in the rear garden, 3.5m from the north facing entrance of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

It should be noted that Turnamiddle Cottage is situated to the north of this property and could act as an acoustic barrier for Turnamiddle House, in relation to the potential road traffic noise from the proposed AWPR.

The dominant noise source at this location, at the time of measurement, was distant road traffic noise from the A90, situated to the east. During both measurement periods, there was a dozer and articulated dumper truck working in an adjacent field approximately 200 to 300m to the north east of the property. This was clearly audible at times. The vehicles were associated with a depot located to the east of the property.

**Table 48: Location 48**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	20/07/06	14:15	00:30	44.2	45.7	41.0	0.0	Overcast, Dry	Dumper truck bringing soft ground material from depot to adjacent field, dozer distributing and levelling material throughout measurement period.
Weekday PM	21/07/06	13:08	00:30	45.5	47.4	41.8	1.6	Sunny, southerly wind	Dumper truck bringing soft ground material from depot to adjacent field, dozer distributing and levelling material throughout measurement period.

**Figure 48 – Measurement Location 48**



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**Location 49 Whistlebrae Farmhouse:** The measurement location was on the access road, in front of the property, situated directly to the east of the property boundary. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was distant road traffic noise from the A90, situated to the east.

**Table 49: Location 49**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average (m/s) & Direction)	Conditions	
Weekday AM	20/07/06	14:59	00:30	50.8	52.8	46.8	3.6	Overcast, south westerly wind	Steady, distant road traffic noise from the A90.
Weekday PM	21/07/06	12:25	00:30	44.4	45.5	41.2	2.3	Sunny, south-south easterly wind	Steady, distant road traffic noise from the A90. Aircraft passing (x4) during measurement period.

**Figure 49 – Measurement Location 49**



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**Location 50 The Clachan:** The measurement location was approximately 16m to the north and 2m to the west of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was road traffic noise from the A90, situated directly to the west of the property boundary.

**Table 50: Location 50**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed Average (m/s) & Direction	Conditions	
Weekday AM	20/07/06	12:39	00:30	59.9	62.6	55.1	3.6	Overcast, south westerly wind	Steady road traffic noise from the A90 approximately 20 – 25m to the west.
Weekday PM	20/07/06	15:37	00:30	60.8	63.5	55.9	2.8	Overcast, southerly wind	Steady road traffic noise from the A90 approximately 20 – 25m to the west.

**Figure 50 – Measurement Location 50**



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**Location 51 Novara:** The measurement location was 1m from the west facing window of the property. The sound level meter was located 1.2m above the ground in façade conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was the road traffic noise from the A90, situated directly east of the property boundary. Birdsong also affected the overall noise climate.

**Table 51: Location 51**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	06/07/2006	09:39	00:30	59.1	60.6	53.4	0.7 S	Sunny, Dry	Aircraft passed(x4), helicopter passed at 09:50 hrs, tractor with trailer passed on access road at driveway to the north at 09:58 hrs.
Weekday PM	06/07/2006	13:46	00:30	60.4	62.7	56.6	4 S	Sunny, Dry	Car with modified engine passed at 13:54 hrs, door closed at 14:11 hrs, car alarm at 14:14 hrs.

**Figure 51 – Measurement Location 51**



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**Location 52 Brae View:** The measurement location was 1m from the north facing door of the property. The sound level meter was located 1.2m above the ground in façade conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source at this location, at the time of measurement, was the road traffic noise from the A956, situated directly to the north of the property boundary. Distant road traffic noise from the A90, situated to the west, also affected the overall noise climate.

**Table 52: Location 52**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	27/07/2006	10:16	00:30	50.9	52.9	44.1	0 N/A	Dry, Sunny spells	Aircraft passing (x2), Helicopter passing at 10:35 hrs.
Weekday PM	27/07/2006	13:39	00:30	48.0	49.9	42.4	0 N/A	Dry, Sunny spells	Aircraft passing at 14:09 hrs.

**Figure 52 – Measurement Location 52**



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**Location 70 Mossie of Auchlea:** The measurement location was 3.5m from the south west facing window of the studio. This location was chosen as it is a very noise sensitive area. There are also no other windows on the studio building. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise at this location, at the time of measurement, was birdsong. Wind in the surrounding foliage also contributed to the noise climate.

**Table 70: Location 70**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (Average m/s) & Direction	Conditions	
Weekday AM	13/09/06	12:10	00:30	47.4	47.0	37.0	1.3 SW	Overcast, Dry	Aircraft passed (x4) during measurement period.
Weekday AM	04/04/07	12:23	00:30	35.9	38.8	31.1	0 N/A	Sunny, Dry	Aircraft passed overhead at 12:43
Weekday PM	12/09/06	15:33	00:30	46.3	43.2	38.4	3.4 W	Sunny Spells, Dry	Aircraft passed at 15:55 hours, car movement on driveway at 15:57 hours.
Weekday PM	04/04/07	17:36	00:30	47.8	49.7	43.7	0 N/A	Sunny, Dry	Aircraft passed overhead at 17:37 and 17:58

**Figure 70 – Measurement Location 70**



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**Location 72 Silverburn House:** There is an access road to other properties in front of the house which extends along the north western boundary of the property. The measurement location was 3.5m from the wall at the edge of the patio, which was 3.5m from the south east facing property wall. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source of this location, during the time of measurement, was birdsong. Winds affecting surrounding trees and foliage also contributed to the overall noise climate.

**Table 72: Location 72**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Conditions	
Weekday AM	15/03/2007	09:47	00:30	55.4	58.3	50.3	4.0 SWW	Dry, overcast	Car passed in front of house at 9:56, 10:01 hours.
Weekday PM	15/03/2007	14:36	00:30	54.7	57.4	49.9	2.6 S	Dry, broken cloud cover	Air craft overhead at 14:41 hours, occasional car passes on side road during measurement.

**Figure 72 – Measurement Location 72**



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**Location 73 Glencairn:** There is an access road, to other properties, directly north of the property. The measurement location was 3.5m from the north facing windows of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source of this location, at the time of measurement, was distant agricultural machinery noises from the south west. During the morning measurement the meter was paused and moved back to 1m from the front of the house to be under the porch at 12.24 hours. This was due to a light shower of rain. Road traffic; trucks, buses and cars, passed on the access road to other properties to the north, directly in front of the house, and to the west, parallel to the house, at approximately 3 to 4 minute intervals, during the time of measurement.

**Table 73: Location 73**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Conditions	
Weekday AM	15/03/2007	12:07	00:30	52.9	53.1	39.2	1.2 S	Dry, overcast, light shower (no affect to measurement )	Steady road traffic on front facing and parallel access roads throughout, Trucks passed at 12:10 and 12:32 hours.
Weekday PM	14/03/2007	15:36	00:30	50.9	49.2	35.5	0 N/A	Dry, broken cloud cover	Road traffic passing throughout measurement, distant aircraft at 15:59, and 16:04 hours

**Figure 73 – Measurement Location 73**



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**Location 74 47 Culterhouse Road:** Culterhouse Road is situated directly north of the property. The measurement location was 10m from west facing wall of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source of this location, at the time of measurement, was distant continuous building machinery noises from local school, The International School of Aberdeen, situated south west of the property. Birdsong and occasional noise from general gardening activity in a neighbouring garden also affected the overall noise climate.

**Table 74: Location 74**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Conditions	
Weekday AM	15/03/2007	10:44	00:30	51.2	54.3	46.3	0 N/A	Dry, overcast	Tenant spoke near microphone at 10:46 hours. Distant plane overhead at 11:12 hours, frequent car passes in front of house throughout measurement.
Weekday PM	15/03/2007	13:47	00:30	48.7	49.8	42.0	1.6 W	Dry, broken cloud cover	Occasional passing traffic during measurement and distant helicopter at 14:11 and 14:16hours.

**Figure 74 – Measurement Location 74**



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**Location 75 Holly House:** Station Road lies directly north of the property. The measurement location was 1m from the west facing wall of the property. The sound level meter was located 1.2m above the ground in façade conditions. The position was sheltered by mature trees and bushes surrounding the property; therefore there was no wind present at the time of measurement. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise of this location, at the time of measurement, was birdsong. Distant road traffic noise from the B979, situated to the west, also affected the noise climate.

**Table 75: Location 75**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Conditions	
Weekday AM	14/03/2007	10:02	00:30	53.7	56.5	48.0	0 N/A	Dry, overcast	Horse walking past house on Station Rd at 10:09 hours, tractor passed on B979 at 10:26 hours
Weekday PM	13/03/2007	16:28	00:30	53.7	56.0	48.0	0 N/A	Dry, sunny	Tenant spoke near microphone at 16:35, passing distant aircraft at 16:43 hours

**Figure 75 – Measurement Location 75**



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**Location 76 Fairview, West Hatton:** There is a lane passing in front of the property to the south, giving access to other properties, the A994 lies to the south, in the distance. The measurement location was 18m from the north facing window on the grounds of the property. The sound level meter was located 1.2m above the ground in free field conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise of this location, at the time of measurement, was distant road traffic noise from the A944, to the south. Cars and vans passed occasionally on access lane to the south of the property during the measurement period.

**Table 76: Location 76**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Conditions	
Weekday AM	13/03/2007	11:30	00:30	49.5	51.7	46.5	2.8 S	Dry, sunny, occasional cloud cover.	Distant traffic noise on A944.
Weekday PM	13/03/2007	15:15	00:30	50.0	52.1	46.1	1.4 S	Dry, broken cloud cover.	Birdsong, distant traffic noise on A944. Aircraft overhead at 15:17 hours. Two horses on access lane at 15:31 hours

**Figure 76 – Measurement Location 76**



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**Location 77 4 Hare Moss House:** There is an access road to the area situated directly to the east of the property. The measurement location was 1m from the west facing patio doors of the property. The sound level meter was located 1.2m above the ground in façade conditions. The monitoring equipment was calibrated both before and after the measurement period using an acoustic calibrator, which has itself been calibrated against a reference set traceable to National and International Standards. There was no shift in the observed calibration level.

The dominant noise source of this location, at the time of measurement, was distant agricultural noise to the south west. Birdsong and car traffic passing on the access road to the east, at approximately 3 to 4 minute intervals, also affected the overall noise climate.

**Table 77: Location 77**

Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather		Comments
				L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Conditions	
Weekday AM	15/03/2007	11:32	00:30	43.1	45.5	39.2	1.6 S	Dry, overcast	Truck passing on access rd at 11:58 hours
Weekday PM	14/03/2007	14:45	00:30	41.3	44.3	36.1	1.6 SE	Cloudy, Dry	Van passed on access rd at 14:48 and 15:02 hours, Cars passed throughout

**Figure 77 – Measurement Location 77**

