

Appendix 8.2
Noise Monitoring Results

Monitoring Location 1 – Killoch Farm, Approximately 10m from the A70						
Time	L_{Aeq} (dB)	L_{A min} (dB)	L_{A max} (dB)	L_{A90} (dB)	L_{A10} (dB)	Comments
18/03/15 – Daytime						
1239-1339	68.8	35.3	91.6	47.1	72.6	Road traffic noise from the A70 including a high percentage of HGVs and commercial vehicles. Aircraft noise. Low level bird noise.
18/03/15 – Night Time						
2245-2300	62.0	28.9	80.6	33.6	67.1	Road traffic noise from the A70. Low level aircraft noise. Occasional wildlife/bird noise.
2300-2315	64.2	26.4	84.0	32.6	67.5	
2315-2330	61.4	22.7	81.0	25.2	62.7	
2330-2345	63.0	24.6	83.5	30.9	66.8	
19/03/15 – Night Time						
0200-0215	54.1	20.7	79.3	22.4	41.5	Road traffic noise from the A70. Low level aircraft noise. Occasional wildlife/bird noise.
0215-0230	54.4	21.2	80.6	22.6	39.3	
0230-0245	54.7	20.6	81.6	21.7	45.6	
0245-0300	56.6	21.2	81.2	22.3	46.4	
0300-0315	52.7	20.9	80.3	21.9	34.7	
0315-0330	57.5	21.4	81.4	23.8	51.2	
19/03/15 – Daytime						
1907-1954	66.1	27.8	87.4	39.2	70.8	Road traffic noise from the A70 including a high percentage of HGVs and commercial vehicles. Aircraft noise. Low level bird noise.
2158-2255	61.6	21.6	81.4	25.2	62.8	
20/03/15 – Night Time						
0010-0025	56.0	19.7	81.0	20.9	44.2	Road traffic noise from the A70. Low level aircraft noise. Occasional wildlife/bird noise.
0025-0040	57.4	19.5	82.5	20.7	45.4	

Monitoring Location 2 – Creoch Farm, Approximately 270m from the Barr Killoch Premises						
Time	L_{Aeq} (dB)	L_{A min} (dB)	L_{A max} (dB)	L_{A90} (dB)	L_{A10} (dB)	Comments
18/03/15 – Daytime						
1458-1558	41.9	22.8	58.9	28.2	43.3	Low level distant road noise. Occasional wildlife/bird noise. Occasional aircraft noise.
19/03/15 – Night Time						
0059-0114	30.4	18.4	60.3	19.4	32.2	Occasional low level distant road noise. Occasional wildlife/bird noise. Occasional aircraft noise.
0114-0129	27.6	18.7	42.2	19.5	31.0	
0129-0144	27.1	18.7	41.4	19.3	30.7	
0144-0159	28.4	17.9	56.8	18.2	26.7	Occasional low level distant road noise. Occasional wildlife/bird noise. Occasional aircraft noise.
0435-0450	32.3	21.0	60.2	21.8	35.1	
0450-0505	35.2	20.5	53.5	22.1	38.8	
0505-0520	35.9	20.6	54.5	22.6	39.7	
0520-0535	41.1	23.5	58.6	30.0	44.7	
19/03/15 – Daytime						
2101-2154	39.2	26.3	49.4	32.1	42.1	Low level distant road noise. Occasional wildlife/bird noise. Occasional aircraft noise.
19 & 20/03/15 – Night Time						
2334-0005	46.3	25.1	69.0	27.6	39.3	Low level distant road noise. Occasional wildlife/bird noise. Occasional aircraft noise.

Monitoring Location 3 – Provost Mount, Approximately 330m from the A70						
Time	L_{Aeq} (dB)	L_{A min} (dB)	L_{A max} (dB)	L_{A90} (dB)	L_{A10} (dB)	Comments
18/03/15 – Daytime						
1349-1449	54.0	34.3	76.1	39.7	50.3	Distant road traffic noise from the A70. Constant low level hum from farm premises to the east. Aircraft noise. Bird/wildlife noise.
18 & 19/03/15 – Night Time						
2356-0011	37.9	28.6	60.0	29.5	41.1	Distant road traffic noise from the A70. Constant low level hum from farm premises to the east. Occasional aircraft noise. Occasional bird/wildlife noise.
0011-0026	40.8	27.5	57.9	31.7	44.7	
0026-0041	40.8	27.3	56.4	29.8	44.8	
0041-0052	33.1	28.5	58.6	29.7	33.1	
19/03/15 – Night Time						
0327-0342	35.8	22.7	58.3	24.6	37.6	Distant road traffic noise from the A70. Constant low level hum from farm premises to the east. Occasional aircraft noise. Occasional bird/wildlife noise.
0342-0357	33.4	21.9	52.7	24.1	33.2	
0357-0412	41.1	23.6	55.1	26.3	45.5	
0412-0427	39.6	25.7	57.6	27.0	44.4	
19/03/15 – Daytime						
1959-2054	50.3	31.5	78.6	39.6	48.8	Distant road traffic noise from the A70. Constant low level hum from farm premises to the east. Aircraft noise. Bird/wildlife noise.
20/03/15 – Daytime						
0958-1054	54.6	39.6	78.7	44.9	54.5	Distant road traffic noise from the A70. Constant low level hum from farm premises to the east. Aircraft noise. Bird/wildlife noise.

Monitoring Location 4 – Killochside, Approximately 90m from the A70						
Time	L_{Aeq} (dB)	L_{A min} (dB)	L_{A max} (dB)	L_{A90} (dB)	L_{A10} (dB)	Comments
18/03/15 – Daytime						
1100-1200	50.6	35.4	69.9	40.1	54.1	Road traffic noise from the A70. Aircraft noise. Occasional wildlife/bird noise.
1200-1300	50.0	32.8	67.2	43.6	52.6	
1300-1400	63.8	37.0	93.8	43.0	53.1	
1400-1500	53.1	34.9	77.8	40.6	52.1	
1500-1600	48.9	33.3	67.1	39.4	51.3	
1600-1700	51.7	30.6	73.7	39.3	52.7	
1700-1800	52.4	32.7	70.9	44.6	55.3	
1800-1900	57.6	34.3	70.3	45.3	61.5	
1900-2000	56.2	35.3	70.3	44.4	60.1	
2000-2100	56.0	36.3	71.7	42.7	60.3	
2100-2200	55.5	32.3	69.4	41.3	60.1	
2200-2300	54.7	26.8	71.9	35.4	59.2	
Overall	52.2	24.8	93.8	41.6	56.0	
18 & 19/03/15 – Night Time						
2300-2315	52.7	28.4	66.3	31.5	57.7	Road traffic noise from the A70. Aircraft noise. Occasional wildlife/bird noise.
2315-2330	50.6	29.8	67.4	31.8	54.1	
2330-2345	51.9	31.7	68.6	34.1	56.0	
2345-0000	52.3	24.8	70.1	32.0	56.2	
0000-0015	47.8	25.8	67.3	28.5	50.2	
0015-0030	50.1	23.8	67.1	30.4	53.7	
0030-0045	47.3	22.4	66.0	25.0	50.5	
0045-0100	31.3	24.4	50.1	26.7	32.3	
0100-0115	44.4	22.2	64.6	26.0	46.1	
0115-0130	44.5	28.6	65.6	30.3	45.7	
0130-0145	44.2	26.6	62.5	28.6	46.1	
0145-0200	38.3	22.7	59.7	24.3	31.4	
0200-0215	43.8	23.3	63.1	26.5	44.6	
0215-0230	44.9	22.9	66.6	25.1	42.0	
0230-0245	45.2	25.3	62.8	26.6	48.0	
0245-0300	47.0	26.0	68.9	27.9	45.8	
0300-0315	41.0	26.5	61.1	28.7	36.8	
0315-0330	48.3	27.7	69.5	30.8	48.1	
0330-0345	31.3	24.8	45.1	25.8	35.0	
0345-0400	40.9	22.3	63.3	24.6	36.2	
0400-0415	49.9	28.5	66.0	31.0	52.1	
0415-0430	47.8	25.2	66.1	28.5	49.1	
0430-0445	47.5	26.9	68.0	30.6	45.3	
0445-0500	53.2	29.5	71.2	32.5	57.4	
0500-0515	50.8	26.6	67.6	29.7	54.6	
0515-0530	54.0	31.7	69.7	36.2	57.9	
0530-0545	56.5	39.8	69.9	45.7	60.8	
0545-0600	56.2	39.5	70.4	43.6	60.4	
0600-0615	57.4	44.6	68.7	49.1	61.5	
1615-0630	58.5	47.7	67.4	50.8	62.4	
0630-0645	59.9	49.6	72.8	52.2	63.2	
0645-0700	59.0	50.6	69.1	52.6	62.6	
Overall	52.6	22.2	72.8	32.7	50.1	

Monitoring Location 4 – Killochside, Approximately 90m from the A70						
Time	L_{Aeq} (dB)	L_{A min} (dB)	L_{A max} (dB)	L_{A90} (dB)	L_{A10} (dB)	Comments
19/03/15 – Daytime						
7000-0800	59.6	48.4	71.4	54.2	62.7	Road traffic noise from the A70. Aircraft noise. Occasional wildlife/bird noise. Noise from existing BARR premises
0800-0900	56.7	42	68.8	48.2	60.1	
0900-1000	51.2	35.2	72.9	42.4	54	
1000-1100	50.8	31.7	74.2	40	52.8	
1100-1200	50.2	33.9	74.8	41	52.9	
Overall	55.4	31.7	74.8	42.7	59.7	

Monitoring Location 5 – Laigh Tarberg Farm, Approximately 60m from the A70						
Time	L_{Aeq} (dB)	L_{A min} (dB)	L_{A max} (dB)	L_{A90} (dB)	L_{A10} (dB)	Comments
18/03/15 – Daytime						
1000-1100	58.7	37.7	69.8	45.0	62.8	Road traffic noise from the A70. Noise from activity at the Laigh Tarberg Farm premises. Aircraft noise. Occasional wildlife/bird noise.
1100-1200	57.8	36.8	71.9	42.5	62.0	
1200-1300	58.2	38.9	72.0	44.6	62.3	
1300-1400	61.0	42.9	80.2	47.7	63.8	
1400-1500	60.0	43.2	81.6	50.2	63.3	
1500-1600	61.1	44.2	73.2	51.7	64.5	
1600-1700	61.5	43.5	77.6	53.7	64.5	
1700-1800	62.5	46.2	79.3	54.9	65.4	
1800-1900	60.1	41.8	70.7	52.0	63.4	
1900-2000	58.0	42.2	71.4	48.7	61.6	
2000-2100	57.1	41.4	69.0	47.1	61.1	
2100-2200	55.3	37.4	68.8	44.0	59.8	
2200-2300	55.1	33.1	73.5	41.3	59.4	
Overall	59.5	33.1	81.6	46.1	63.2	
18 & 19/03/15 – Night Time						
2300-2315	54.2	35.3	67.6	38.4	58.5	Road traffic noise from the A70. Aircraft noise. Occasional wildlife/bird noise.
2315-2330	52.3	34.1	66.3	35.6	57.0	
2330-2345	52.5	34.7	66.5	38.1	57.3	
2345-0000	52.8	34.2	66.4	37.0	56.8	
0000-0015	48.9	31.9	65.2	33.1	53.4	
0015-0030	50.9	31.7	65.8	33.5	54.8	
0030-0045	49.6	33.0	64.9	35.3	52.9	
0045-0100	42.8	36.1	64.5	37.5	42.6	
0100-0115	46.5	35.7	63.6	37.5	49.7	
0115-0130	49.8	36.3	74.1	37.6	50.1	
0130-0145	48.8	37.1	65.1	38.7	52.1	
0145-0200	45.6	35.7	63.7	37.6	47.3	
0200-0215	48.2	35.2	65.3	37.3	49.9	
0215-0230	47.4	35.2	61.7	36.9	50.3	
0230-0245	48.9	35.5	66.5	37.8	51.5	
0245-0300	49.2	35.6	65.3	38.1	51.4	
0300-0315	48.0	36.4	68.0	38.0	50.0	
0315-0330	49.4	37.2	71.2	39.1	52.1	
0330-0345	43.5	31.8	63.9	35.0	43.4	
0345-0400	42.4	29.3	60.9	31.2	40.2	
0400-0415	52.9	32.1	68.9	33.2	56.1	
0415-0430	49.7	31.9	67.6	35.6	52.0	
0430-0445	47.8	32.3	64.3	34.0	50.9	
0445-0500	53.0	33.8	69.2	39.3	57.5	
0500-0515	51.4	34.3	69.5	37.8	54.9	
0515-0530	53.8	36.8	64.4	40.5	58.5	
0530-0545	56.2	40.7	71.4	46.4	59.9	
0545-0600	56.7	43.3	66.9	47.4	60.8	
0600-0615	58.2	46.9	68.2	49.7	62.1	
1615-0630	59.0	48.1	70.9	50.4	62.7	
0630-0645	61.2	52.2	71.1	54.8	64.4	
0645-0700	63.0	51.3	75.2	54.8	66.0	
Overall	54.2	29.3	75.2	39.3	54.0	

Monitoring Location 5 – Laigh Tarberg Farm, Approximately 60m from the A70						
Time	L_{Aeq} (dB)	L_{A min} (dB)	L_{A max} (dB)	L_{A90} (dB)	L_{A10} (dB)	Comments
19/03/15 – Daytime						
7000-0800	63.9	51.6	80.5	57.0	66.4	Road traffic noise from the A70. Noise from activity at the Laigh Tarberg Farm premises. Aircraft noise. Occasional wildlife/bird noise.
0800-0900	62.1	50.8	73.3	55.6	65.0	
0900-1000	59.8	43.0	73.6	51.4	63.3	
1000-1100	59.5	43.0	78.2	49.3	63.2	
1100-1200	59.4	41.9	81.0	48.4	63.3	
Overall	61.3	41.9	81.0	51.3	65.0	