

Appendix C14.3

Baseline Noise Survey Data

Baseline Noise Survey Data – Location S1 A**Table C14.3-1: Baseline Noise Survey Data – Location S1 A**

Start Date and Time	Measured Noise Levels (dB)		
	L _{Aeq}	L _{AF10}	L _{AF90}
23/04/2024 09:00	47.7	49.3	37.9
23/04/2024 10:00	41.8	44.2	34.8
23/04/2024 11:00	44.2	44.0	36.0
23/04/2024 12:00	43.8	42.8	35.7
23/04/2024 13:00	42.7	42.8	34.5
23/04/2024 14:00	44.5	45.3	36.6
23/04/2024 15:00	46.4	48.1	37.7
23/04/2024 16:00	42.4	44.3	37.1
23/04/2024 17:00	45.2	45.5	36.8
23/04/2024 18:00	43.4	46.2	36.3
23/04/2024 19:00	42.8	45.5	35.6
23/04/2024 20:00	61.8	44.9	35.4
23/04/2024 21:00	42.1	44.6	30.6
23/04/2024 22:00	47.9	36.1	25.9
23/04/2024 23:00	29.8	32.2	25.0
24/04/2024 00:00	47.1	34.1	23.1
24/04/2024 01:00	26.8	29.0	22.8
24/04/2024 02:00	36.6	28.9	23.0
24/04/2024 03:00	26.0	27.8	21.6
24/04/2024 04:00	31.0	30.6	23.2
24/04/2024 05:00	43.4	47.0	32.8
24/04/2024 06:00	42.4	45.4	37.3
24/04/2024 07:00	42.1	44.9	37.4
24/04/2024 08:00	43.7	46.1	37.8
L_{A10,18hour}		44	
L_{den}		54	

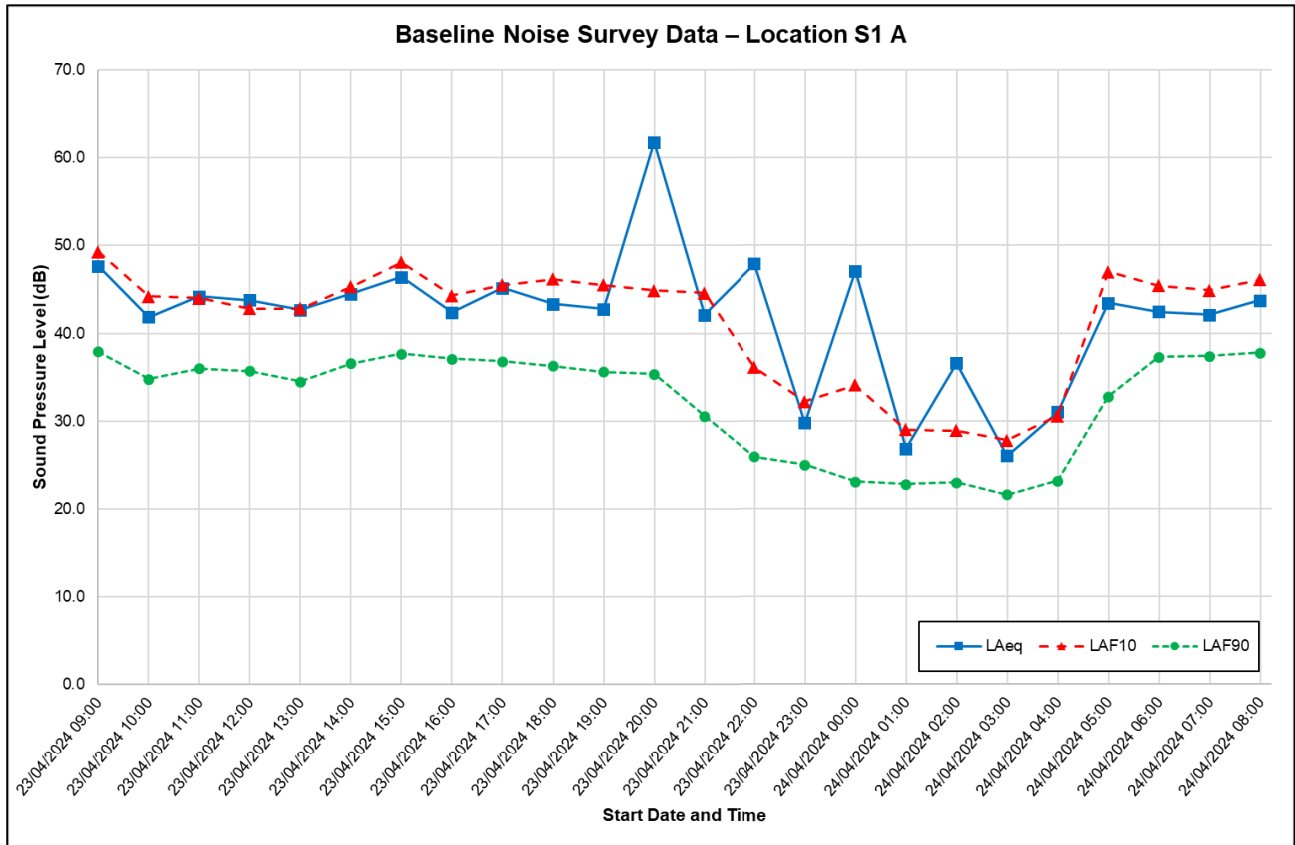


Figure C14.3-1: Baseline Noise Survey Data – Location S1 A

Baseline Noise Survey Data – Location S1 B**Table C14.3-2: Baseline Noise Survey Data – Location S1 B**

Start Date and Time	Measured Noise Levels (dB)		
	L _{Aeq}	L _{AF10}	L _{AF90}
23/04/2024 09:00	44.2	46.7	39.7
23/04/2024 10:00	45.1	45.9	37.6
23/04/2024 11:00	44.4	45.5	37.9
23/04/2024 12:00	42.2	44.2	38.4
23/04/2024 13:00	42.9	45.6	38.1
23/04/2024 14:00	43.6	45.1	38.5
23/04/2024 15:00	44.7	47.1	39.9
23/04/2024 16:00	44.9	47.2	40.6
23/04/2024 17:00	44.9	47.1	41.7
23/04/2024 18:00	44.5	46.6	40.0
23/04/2024 19:00	42.6	45.1	38.7
23/04/2024 20:00	43.0	45.8	38.1
23/04/2024 21:00	40.0	43.0	34.9
23/04/2024 22:00	36.9	40.0	31.6
23/04/2024 23:00	34.7	37.9	30.5
24/04/2024 00:00	35.2	38.4	30.9
24/04/2024 01:00	32.4	34.1	30.2
24/04/2024 02:00	33.6	35.2	30.7
24/04/2024 03:00	32.6	33.6	30.7
24/04/2024 04:00	33.3	34.7	30.9
24/04/2024 05:00	45.2	48.6	36.7
24/04/2024 06:00	48.5	52.1	37.8
24/04/2024 07:00	45.2	47.3	39.9
24/04/2024 08:00	46.5	48.5	40.9
L_{A10,18hour}	46		
L_{den}	48		

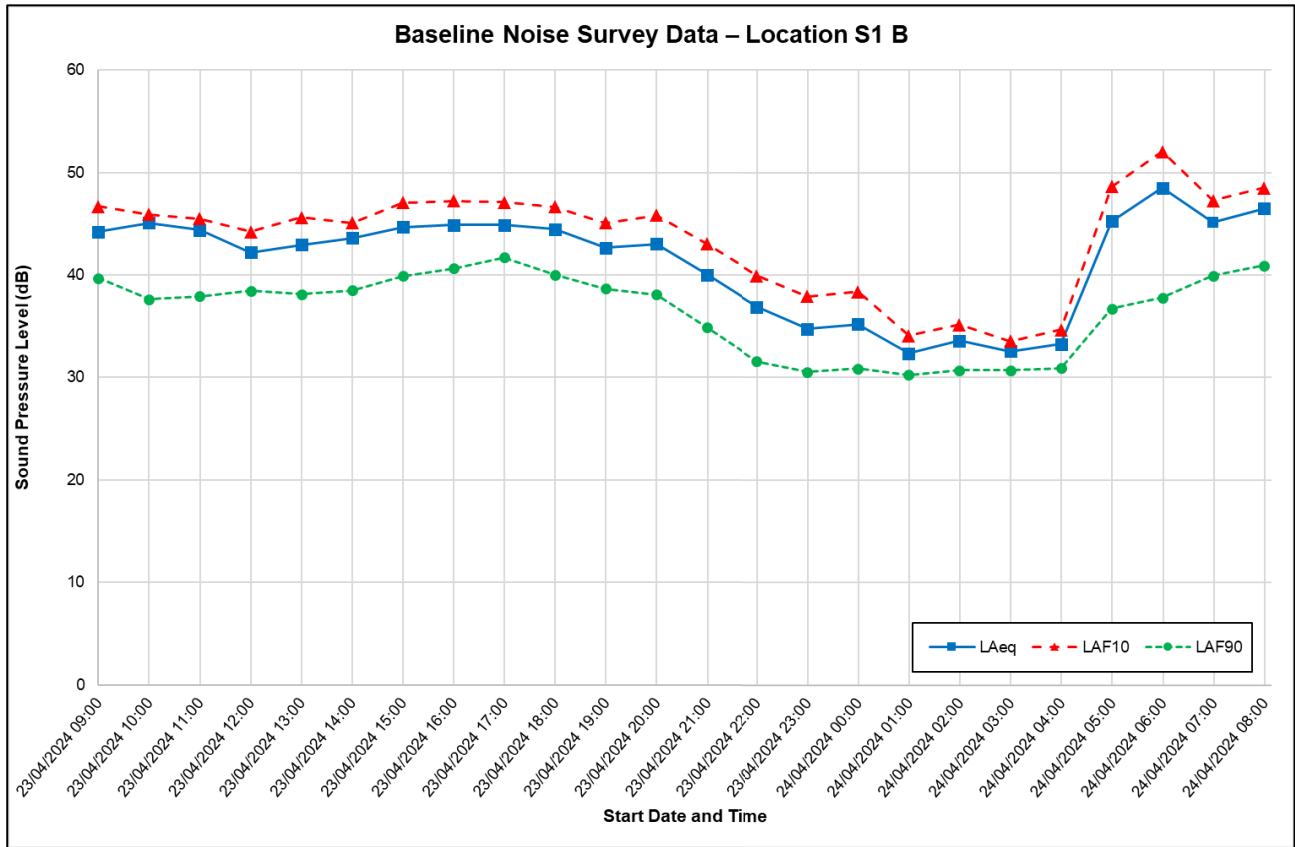


Figure C14.3-2: Baseline Noise Survey Data – Location S1 B

Baseline Noise Survey Data – Location S1 C

Table C14.3-3: Baseline Noise Survey Data – Location S1 C

Start Date and Time	Measured Noise Levels (dB)		
	L _{Aeq}	L _{AF10}	L _{AF90}
23/04/2024 10:00	65.2	69.4	40.5
23/04/2024 11:00	63.6	68.8	39.8
23/04/2024 12:00	63.6	68.9	40.2
23/04/2024 13:00	64.0	69.2	41.1
23/04/2024 14:00	64.7	69.3	42.1
23/04/2024 15:00	64.5	69.4	41.0
23/04/2024 16:00	64.7	69.7	42.0
23/04/2024 17:00	65.5	70.6	43.3
23/04/2024 18:00	65.5	70.7	44.7
23/04/2024 19:00	64.5	69.8	44.1
23/04/2024 20:00	64.4	69.6	41.2
23/04/2024 21:00	62.6	68.2	38.6
23/04/2024 22:00	60.9	63.8	32.7
23/04/2024 23:00	58.2	56.2	29.1
24/04/2024 00:00	57.9	51.2	29.0
24/04/2024 01:00	53.8	44.1	25.6
24/04/2024 02:00	55.8	46.7	25.9
24/04/2024 03:00	54.2	44.2	25.1
24/04/2024 04:00	56.7	47.6	25.1
24/04/2024 05:00	59.1	54.0	37.7
24/04/2024 06:00	63.8	68.7	43.2
24/04/2024 07:00	66.6	72.0	46.0
24/04/2024 08:00	66.3	71.4	43.9
24/04/2024 09:00	65.2	70.4	42.2
L_{A10,18hour}		69	
L_{den}		67	

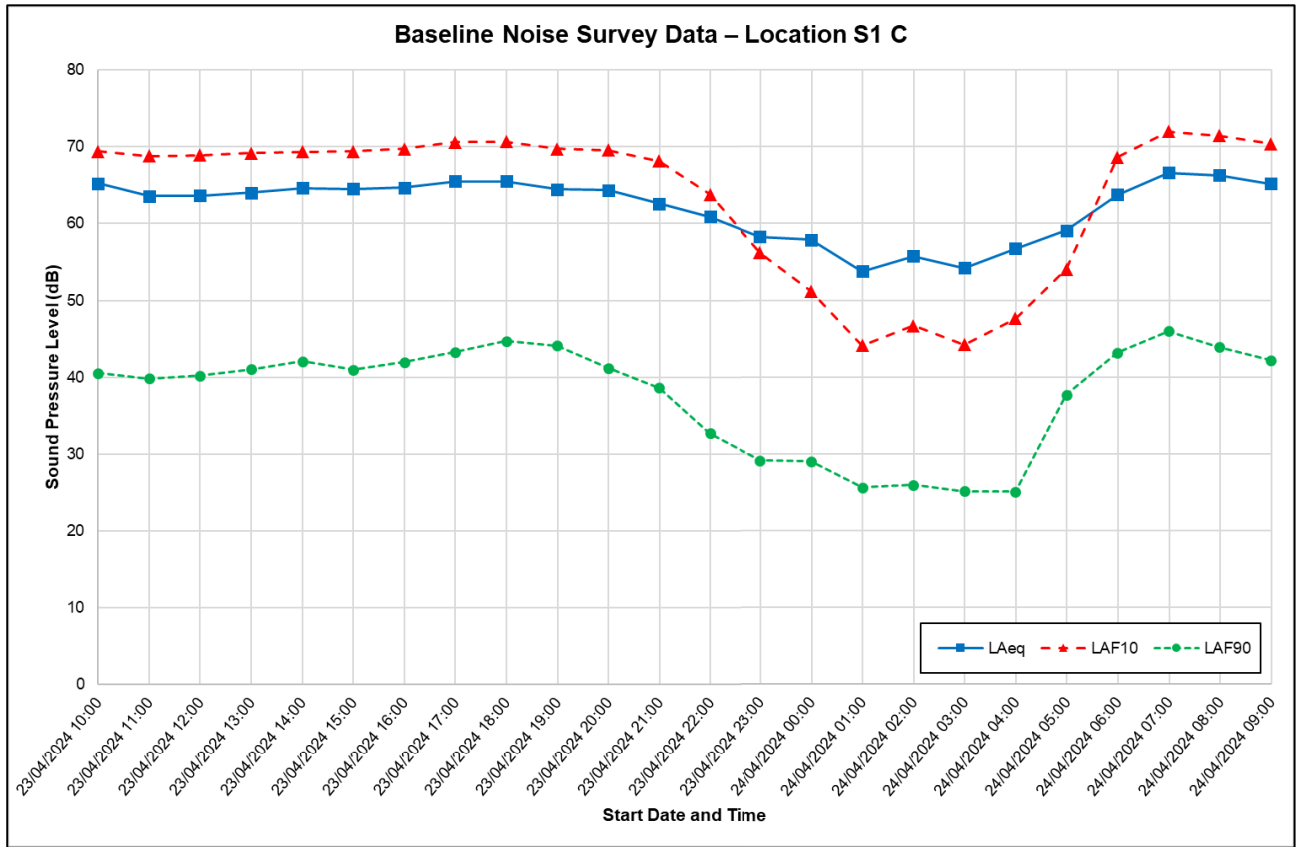


Figure C14.3-3: Baseline Noise Survey Data – Location S1 C

Baseline Noise Survey Data – Location S1 D**Table C14.3-4: Baseline Noise Survey Data – Location S1 D**

Start Date and Time	Measured Noise Levels (dB)		
	L _{Aeq}	L _{AF10}	L _{AF90}
24/04/2024 10:00	51.3	56.0	35.8
24/04/2024 11:00	46.5	49.1	36.8
24/04/2024 12:00	47.6	49.9	35.0
24/04/2024 13:00	47.6	50.6	35.1
24/04/2024 14:00	47.6	49.2	35.2
24/04/2024 15:00	44.1	45.4	36.2
24/04/2024 16:00	45.9	48.1	35.3
24/04/2024 17:00	48.5	51.6	36.3
24/04/2024 18:00	52.3	57.0	36.4
24/04/2024 19:00	52.9	57.4	38.6
24/04/2024 20:00	52.4	57.2	37.4
24/04/2024 21:00	49.2	50.7	34.7
24/04/2024 22:00	36.7	37.9	34.3
24/04/2024 23:00	35.6	36.6	34.3
25/04/2024 00:00	35.1	36.1	33.9
25/04/2024 01:00	34.5	35.1	33.5
25/04/2024 02:00	34.6	35.4	33.6
25/04/2024 03:00	35.0	35.6	34.2
25/04/2024 04:00	34.4	35.0	33.6
25/04/2024 05:00	54.6	59.2	39.6
25/04/2024 06:00	53.8	58.2	42.4
25/04/2024 07:00	52.1	56.7	40.1
25/04/2024 08:00	51.8	55.4	42.3
25/04/2024 09:00	51.0	54.9	39.4
L_{A10,18hour}		51	
L_{den}		55	

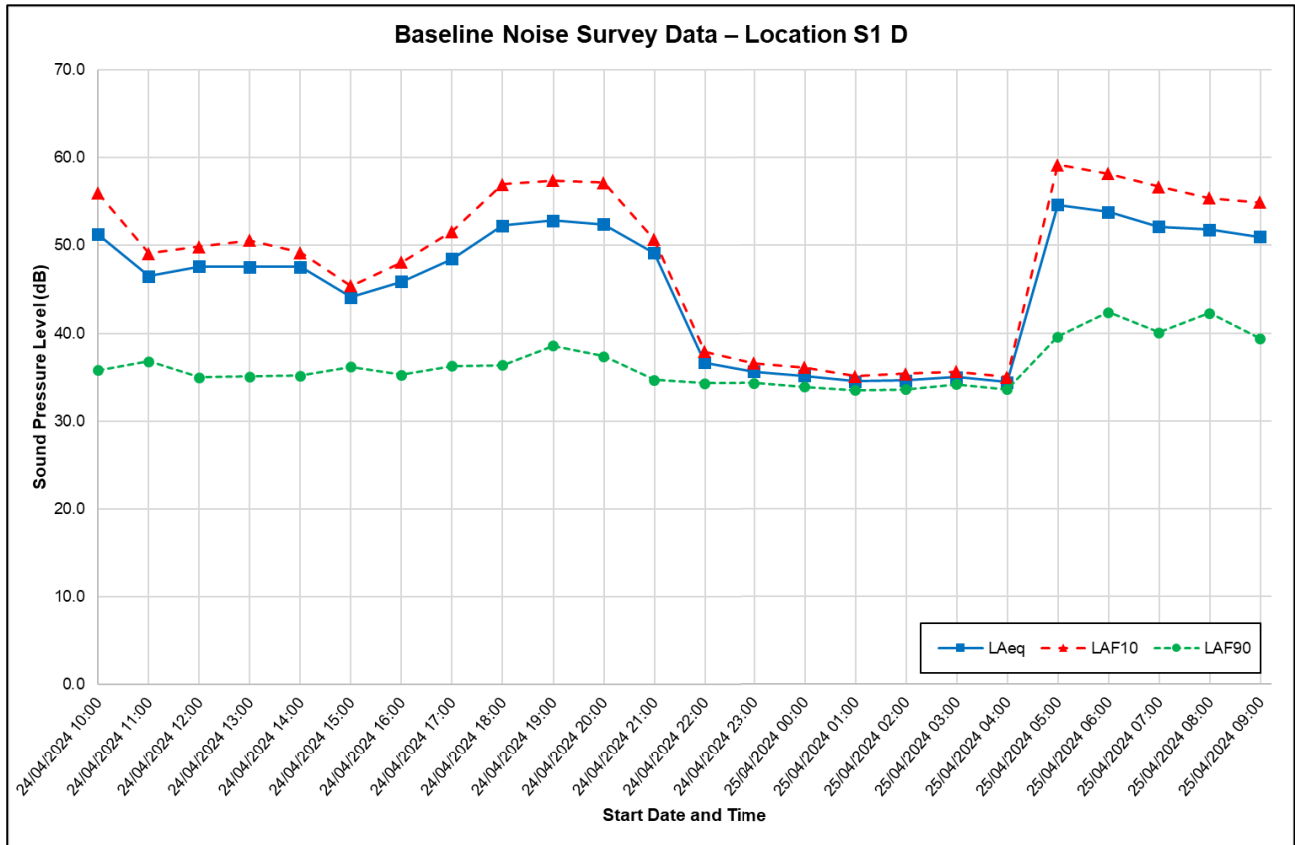


Figure C14.3-4: Baseline Noise Survey Data – Location S1 D

Baseline Noise Survey Data – Location S1 F

Table C14.3-5: Baseline Noise Survey Data – Location S1 F

Start Date and Time	Measured Noise Levels (dB)		
	L _{Aeq}	L _{AF10}	L _{AF90}
24/04/2024 11:00	57.9	62.1	47.2
24/04/2024 12:00	58.2	62.1	47.5
24/04/2024 13:00	57.7	61.6	47.6
24/04/2024 14:00	64.3	62.3	45.3
24/04/2024 15:00	72.9	68.1	47.6
24/04/2024 16:00	57.7	61.4	48.3
24/04/2024 17:00	58.5	62.2	49.3
24/04/2024 18:00	58.6	62.6	47.6
24/04/2024 19:00	57.9	61.9	48.3
24/04/2024 20:00	57.1	61.0	46.7
24/04/2024 21:00	57.6	61.5	48.2
24/04/2024 22:00	53.9	58.0	39.4
24/04/2024 23:00	50.5	52.3	28.3
25/04/2024 00:00	48.4	49.9	25.5
25/04/2024 01:00	46.8	46.7	24.7
25/04/2024 02:00	44.2	43.1	24.0
25/04/2024 03:00	45.7	45.0	24.5
25/04/2024 04:00	47.9	47.8	24.5
25/04/2024 05:00	54.4	57.3	39.4
25/04/2024 06:00	56.6	61.1	46.4
25/04/2024 07:00	59.8	63.6	49.9
25/04/2024 08:00	60.0	63.6	51.2
25/04/2024 09:00	59.9	63.8	50.9
25/04/2024 10:00	58.9	63.0	48.7
L_{A10,18hour}		62	
L_{den}		63	

The calculated L_{den} value for location S1 F is 63 dB. For the purpose of using this location for validation, extraneous noise sources were omitted. These extraneous noise sources occurred during the time periods 14:00 and 15:00 hrs. With the extraneous data removed, the L_{den} value was calculated to be 60 dB.

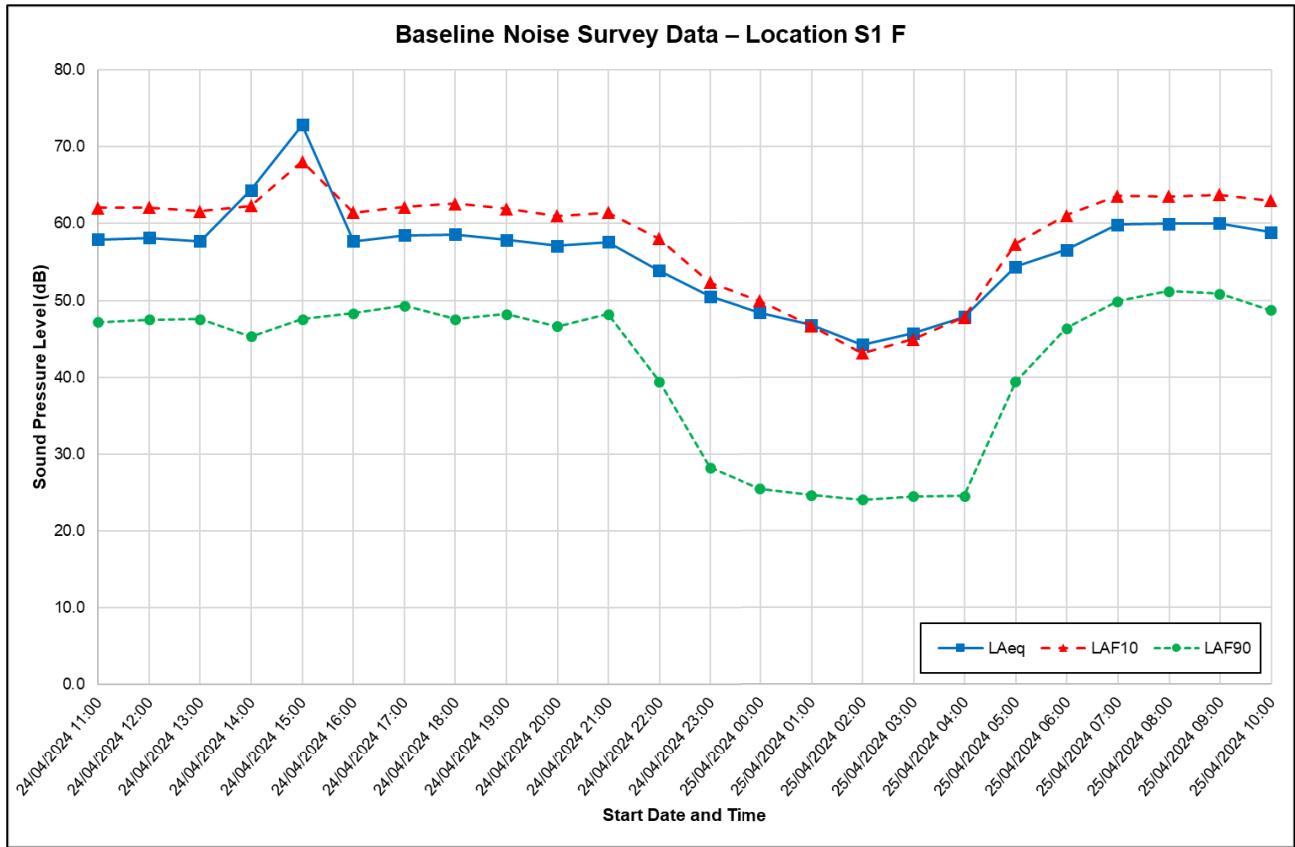


Figure C14.3-5: Baseline Noise Survey Data – Location S1 F

Baseline Noise Survey Data – Location S2 A**Table C14.3-6: Baseline Noise Survey Data – Location S2 A**

Start Date and Time	Measured Noise Levels (dB)		
	L _{Aeq}	L _{AF10}	L _{AF90}
24/04/2024 14:00	70.9	73.3	59.5
24/04/2024 15:00	68.1	71.7	59.3
24/04/2024 16:00	68.7	72.1	60.9
24/04/2024 17:00	68.9	72.2	61.7
24/04/2024 18:00	68.2	71.9	58.7
24/04/2024 19:00	66.7	70.9	54.2
24/04/2024 20:00	65.6	69.7	53.5
24/04/2024 21:00	64.3	68.7	52.3
24/04/2024 22:00	62.9	67.3	47.1
24/04/2024 23:00	59.9	64.4	41.1
25/04/2024 00:00	57.0	59.8	34.8
25/04/2024 01:00	55.4	57.4	31.8
25/04/2024 02:00	54.7	55.3	28.3
25/04/2024 03:00	54.2	53.5	27.5
25/04/2024 04:00	55.5	57.7	34.1
25/04/2024 05:00	61.4	65.6	45.1
25/04/2024 06:00	65.9	70.8	49.7
25/04/2024 07:00	69.7	73.5	59.1
25/04/2024 08:00	70.6	73.7	64.0
25/04/2024 09:00	69.7	73.0	61.6
25/04/2024 10:00	68.1	71.8	58.3
25/04/2024 11:00	67.9	71.8	58.3
25/04/2024 12:00	68.1	71.8	58.6
25/04/2024 13:00	67.8	71.5	58.4
L_{A10,18hour}	71		
L_{den}	70		

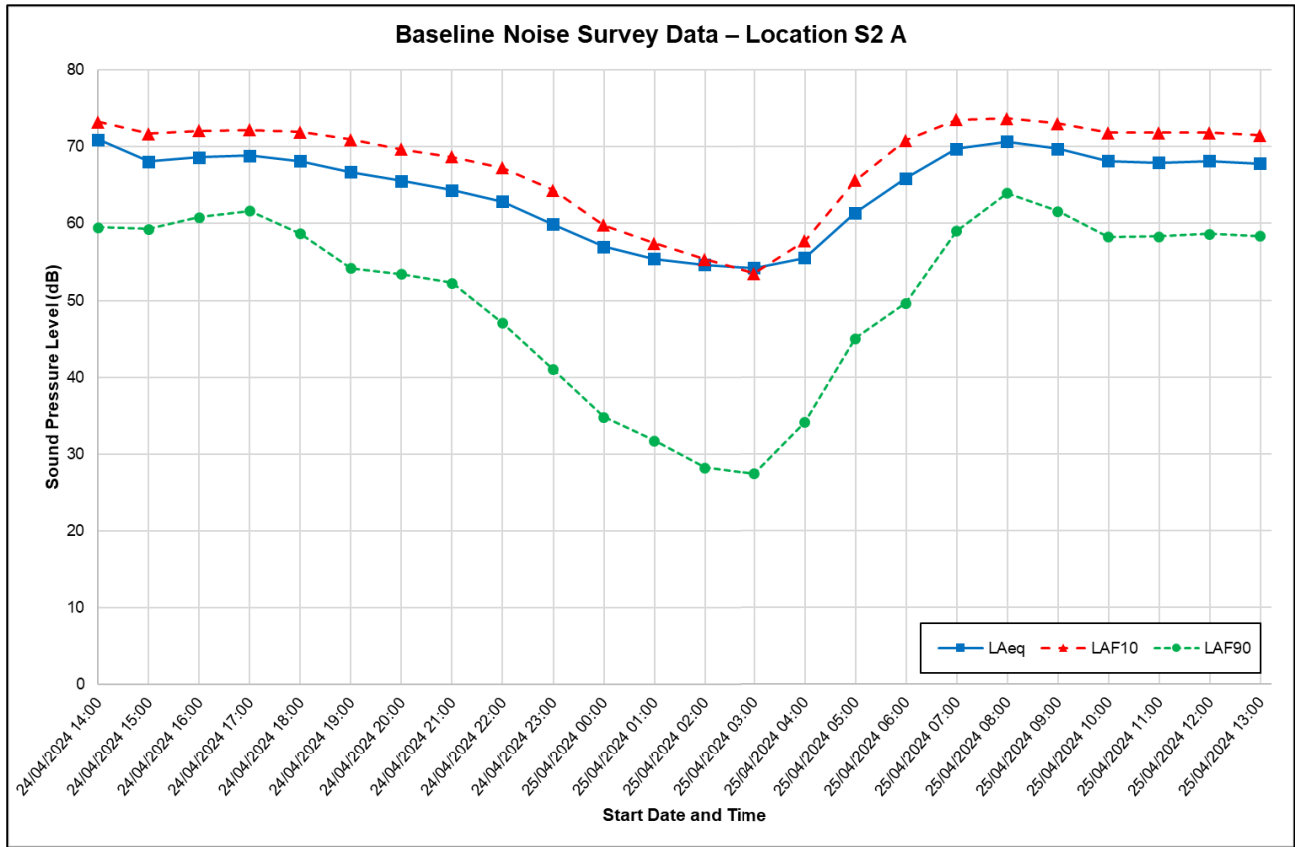


Figure C14.3-6: Baseline Noise Survey Data – Location S2 A

Baseline Noise Survey Data – Location S2 B

Table C14.3-7: Baseline Noise Survey Data – Location S2 B

Start Date and Time	Measured Noise Levels (dB)		
	L _{Aeq}	L _{AF10}	L _{AF90}
15/05/2024 10:00	61.7	65.0	52.9
15/05/2024 11:00	60.7	64.2	50.0
15/05/2024 12:00	61.0	64.4	52.3
15/05/2024 13:00	61.2	64.5	53.2
15/05/2024 14:00	63.5	64.3	53.6
15/05/2024 15:00	63.0	65.9	55.5
15/05/2024 16:00	63.7	66.7	55.3
15/05/2024 17:00	63.6	66.6	55.8
15/05/2024 18:00	63.0	66.2	54.0
15/05/2024 19:00	62.1	65.7	49.9
15/05/2024 20:00	62.0	65.6	47.1
15/05/2024 21:00	61.3	65.2	49.1
15/05/2024 22:00	59.6	64.2	43.4
15/05/2024 23:00	59.4	64.2	33.3
16/05/2024 00:00	57.2	62.3	28.2
16/05/2024 01:00	53.5	56.9	24.5
16/05/2024 02:00	53.7	55.5	22.3
16/05/2024 03:00	52.4	50.3	24.7
16/05/2024 04:00	56.8	60.6	37.1
16/05/2024 05:00	59.4	64.4	42.6
16/05/2024 06:00	62.8	66.9	46.8
16/05/2024 07:00	65.1	68.2	55.7
16/05/2024 08:00	65.6	68.2	60.0
16/05/2024 09:00	63.7	66.6	55.4
L_{A10,18hour}		66	
L_{den}		66	

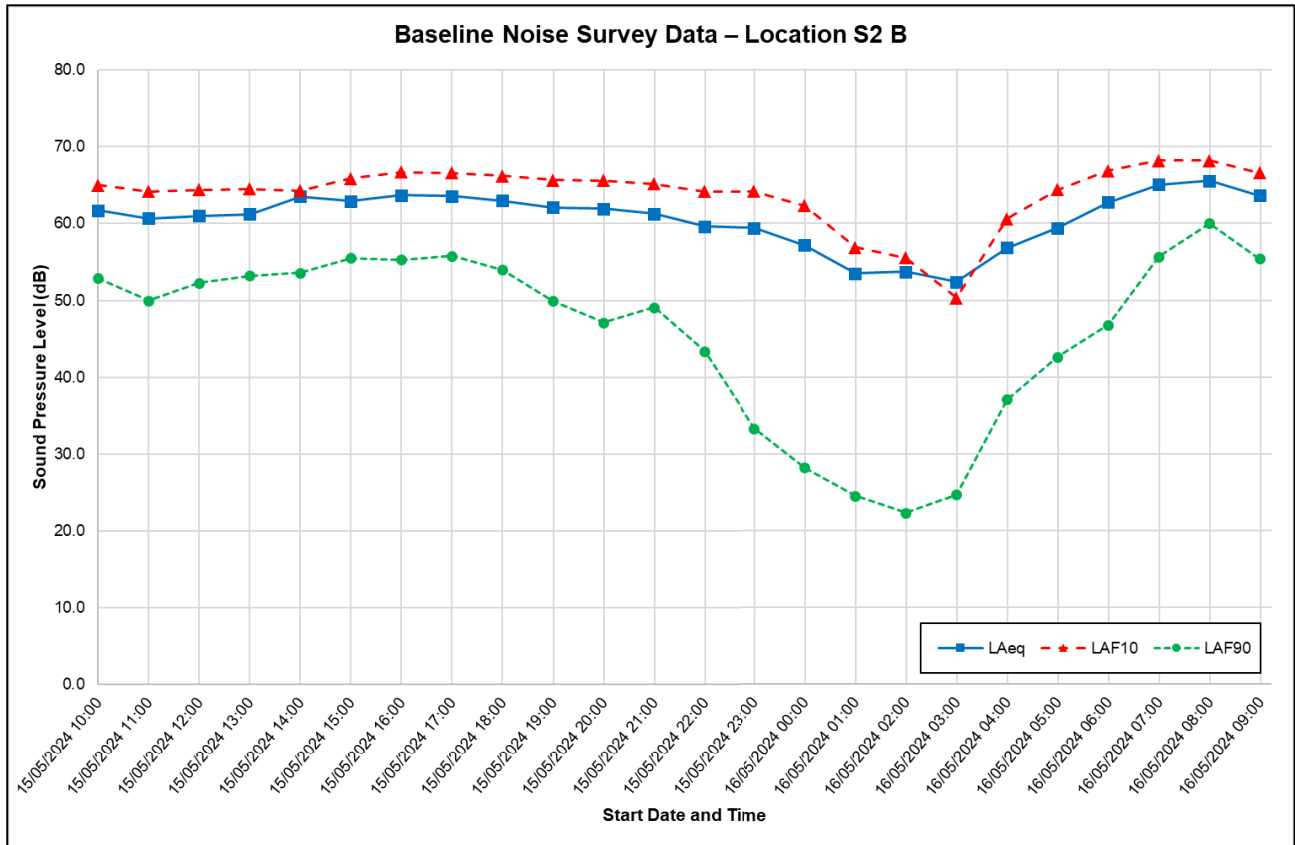


Figure C14.3-7: Baseline Noise Survey Data – Location S2 B

Baseline Noise Survey Data – Location S2 B1**Table C14.3-8: Baseline Noise Survey Data – Location S2 B1**

Start Date and Time	Measured Noise Levels (dB)		
	L _{Aeq}	L _{AF10}	L _{AF90}
25/04/2024 14:00	53.1	55.7	48.2
25/04/2024 15:00	54.0	56.2	48.3
25/04/2024 16:00	58.2	57.1	49.5
25/04/2024 17:00	58.4	60.5	52.9
25/04/2024 18:00	60.6	60.4	49.5
25/04/2024 19:00	63.0	60.9	47.1
25/04/2024 20:00	54.1	55.9	46.8
25/04/2024 21:00	50.9	53.7	45.2
25/04/2024 22:00	58.2	53.9	41.5
25/04/2024 23:00	53.0	51.8	35.1
26/04/2024 00:00	46.0	49.3	31.8
26/04/2024 01:00	44.5	49.2	28.9
26/04/2024 02:00	50.2	48.0	28.3
26/04/2024 03:00	50.2	49.1	29.7
26/04/2024 04:00	45.4	49.8	30.2
26/04/2024 05:00	51.2	54.5	42.7
26/04/2024 06:00	53.6	56.4	48.0
26/04/2024 07:00	57.6	57.8	51.2
26/04/2024 08:00	55.3	57.6	50.9
26/04/2024 09:00	54.2	56.5	48.9
26/04/2024 10:00	54.4	58.8	45.5
26/04/2024 11:00	52.0	55.1	45.4
26/04/2024 12:00	55.6	55.1	45.6
26/04/2024 13:00	52.0	55.2	46.2
L_{A10,18hour}		57	
L_{den}		60	

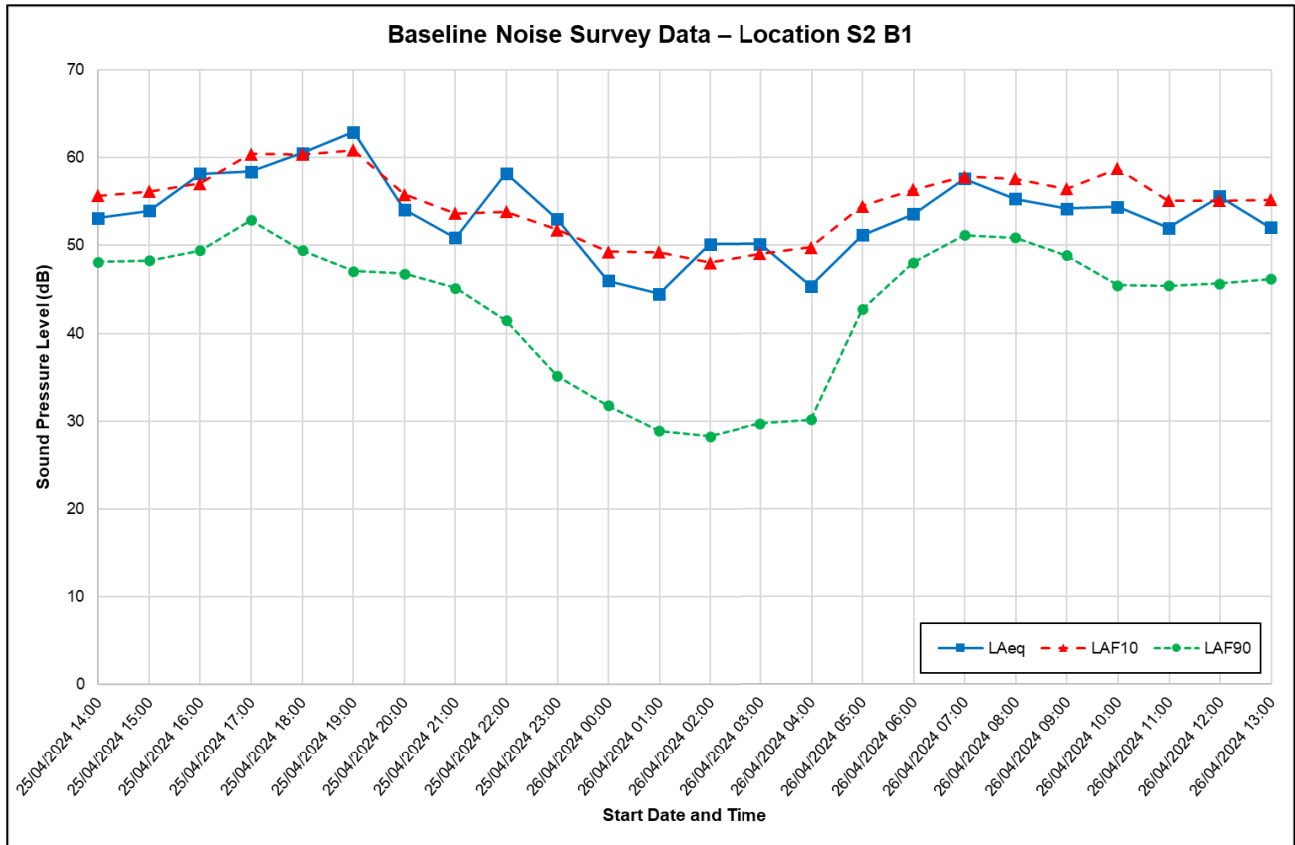


Figure C14.3-8: Baseline Noise Survey Data – Location S2 B1

Baseline Noise Survey Data – Location S2 D**Table C14.3-9: Baseline Noise Survey Data – Location S2 D**

Start Date and Time	Measured Noise Levels (dB)		
	L _{Aeq}	L _{AF10}	L _{AF90}
25/04/2024 18:00	57.9	60.3	53.2
25/04/2024 19:00	56.5	58.9	52.4
25/04/2024 20:00	57.8	60.0	54.4
25/04/2024 21:00	58.0	60.4	53.9
25/04/2024 22:00	55.6	58.4	49.3
25/04/2024 23:00	54.8	58.6	40.1
26/04/2024 00:00	53.6	57.9	34.1
26/04/2024 01:00	51.5	56.2	26.8
26/04/2024 02:00	50.4	55.3	26.8
26/04/2024 03:00	52.5	56.9	26.2
26/04/2024 04:00	52.2	56.8	29.6
26/04/2024 05:00	58.8	62.6	48.4
26/04/2024 06:00	60.5	63.5	53.5
26/04/2024 07:00	63.1	65.6	58.3
26/04/2024 08:00	63.0	64.9	59.7
26/04/2024 09:00	60.8	63.0	57.1
26/04/2024 10:00	55.7	58.1	51.6
26/04/2024 11:00	56.3	58.2	52.4
26/04/2024 12:00	56.3	58.7	51.9
26/04/2024 13:00	57.0	59.3	52.8
26/04/2024 14:00	57.8	60.1	53.9
26/04/2024 15:00	58.2	60.2	54.8
26/04/2024 16:00	59.1	60.9	56.4
26/04/2024 17:00	59.6	61.9	56.3
L_{A10,18hour}		61	
L_{den}		63	

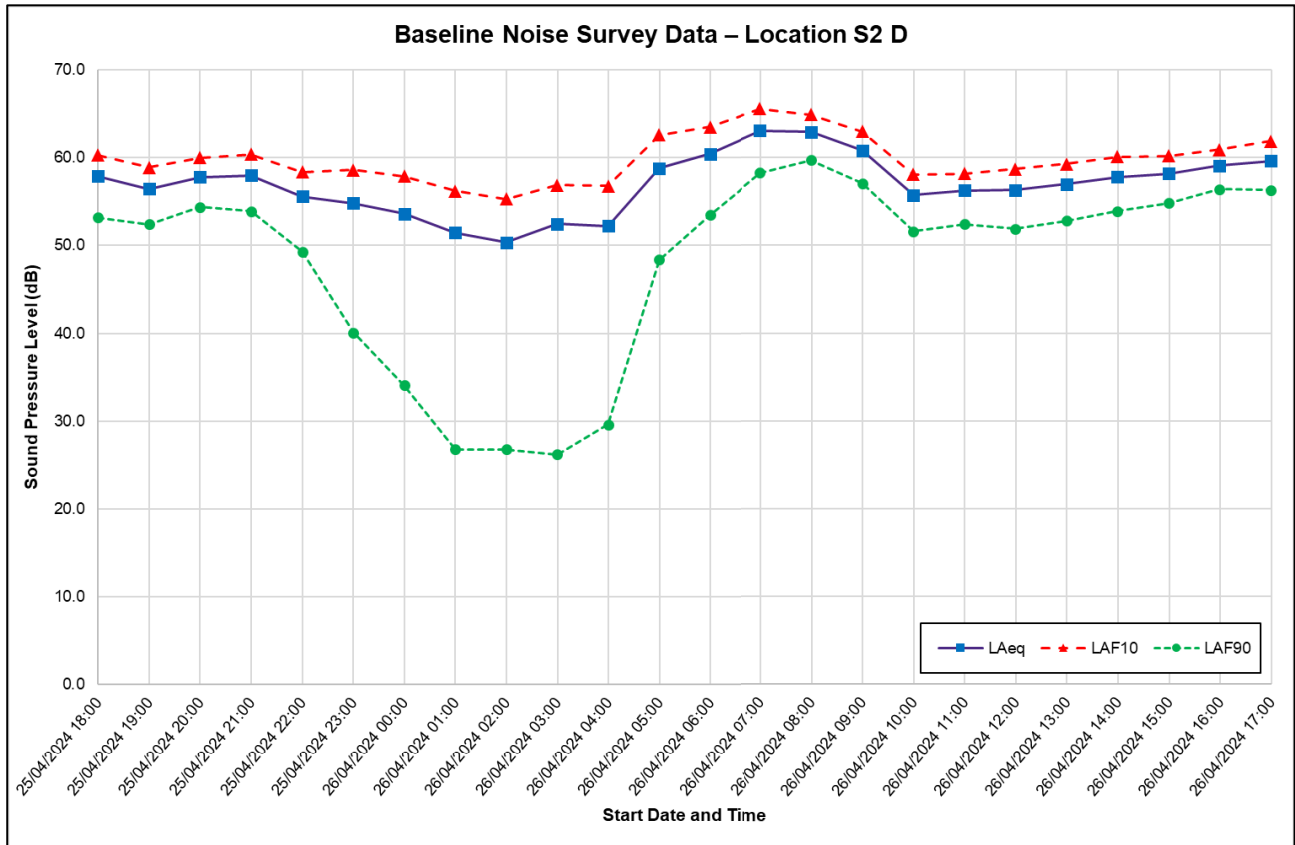


Figure C14.3-9: Baseline Noise Survey Data – Location S2 D

Baseline Noise Survey Data – Location S3 A

Table C14.3-10: Baseline Noise Survey Data – Location S3 A

Start Date and Time	Measured Noise Levels (dB)		
	L _{Aeq}	L _{AF10}	L _{AF90}
11/06/2024 17:00	70.9	75.4	55.1
11/06/2024 18:00	69.7	74.7	52.8
11/06/2024 19:00	68.5	73.8	49.6
11/06/2024 20:00	67.6	73.1	47.0
11/06/2024 21:00	66.3	71.7	42.7
11/06/2024 22:00	64.0	66.7	35.7
11/06/2024 23:00	61.9	60.8	27.7
12/06/2024 00:00	59.2	51.6	24.7
12/06/2024 01:00	59.0	49.3	21.8
12/06/2024 02:00	60.3	50.1	21.3
12/06/2024 03:00	58.4	43.5	21.0
12/06/2024 04:00	59.7	56.6	37.9
12/06/2024 05:00	65.0	66.2	47.6
12/06/2024 06:00	66.9	70.6	48.4
12/06/2024 07:00	69.3	74.7	49.5
12/06/2024 08:00	71.0	75.5	51.5
12/06/2024 09:00	69.5	74.5	46.9
12/06/2024 10:00	68.1	73.1	45.8
12/06/2024 11:00	68.4	73.5	44.8
12/06/2024 12:00	68.3	73.3	45.7
12/06/2024 13:00	68.5	73.5	46.1
12/06/2024 14:00	68.6	73.5	47.5
12/06/2024 15:00	69.1	73.9	49.5
12/06/2024 16:00	69.0	73.8	48.3
L_{A10,18hour}		73	
L_{den}		71	

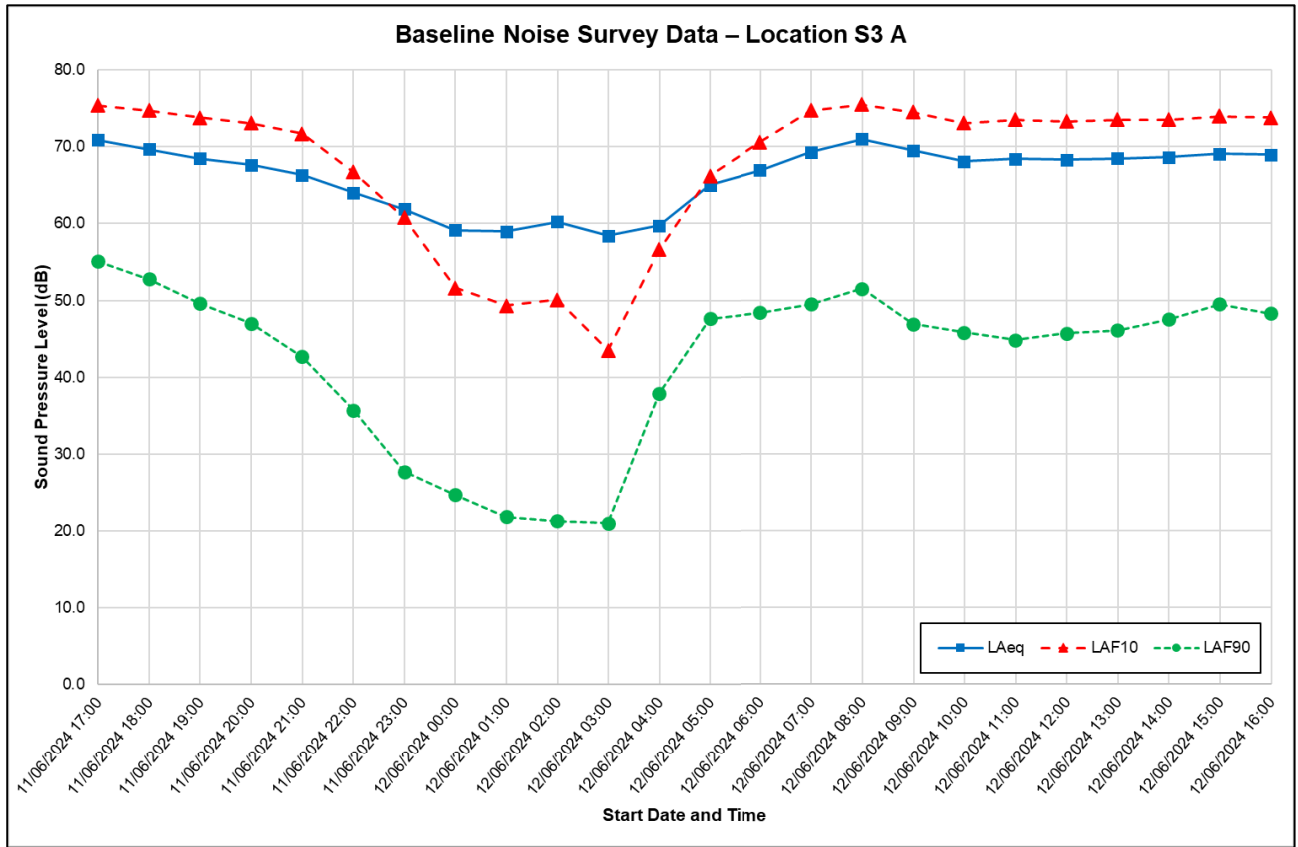


Figure C14.3-10: Baseline Noise Survey Data – Location S3 A

Baseline Noise Survey Data – Location S3 B

Table C14.3-11: Baseline Noise Survey Data – Location S3 B

Start Date and Time	Measured Noise Levels (dB)		
	L _{Aeq}	L _{AF10}	L _{AF90}
09/05/2024 11:00	60.5	64.4	49.7
09/05/2024 12:00	62.1	64.4	49.2
09/05/2024 13:00	60.7	64.4	47.6
09/05/2024 14:00	59.8	63.9	46.4
09/05/2024 15:00	60.3	64.1	48.6
09/05/2024 16:00	60.7	64.5	50.5
09/05/2024 17:00	63.0	65.4	51.2
09/05/2024 18:00	60.8	64.5	50.7
09/05/2024 19:00	60.1	64.1	49.8
09/05/2024 20:00	59.5	63.5	48.5
09/05/2024 21:00	58.8	63.0	44.6
09/05/2024 22:00	56.8	61.4	32.2
09/05/2024 23:00	52.4	56.3	24.3
10/05/2024 00:00	51.5	53.9	22.1
10/05/2024 01:00	52.4	55.6	21.8
10/05/2024 02:00	48.3	45.9	21.2
10/05/2024 03:00	49.3	46.8	20.4
10/05/2024 04:00	58.4	63.1	21.4
10/05/2024 05:00	62.2	65.7	53.8
10/05/2024 06:00	61.0	64.5	52.2
10/05/2024 07:00	61.8	65.8	52.0
10/05/2024 08:00	64.1	66.6	53.5
10/05/2024 09:00	63.2	65.3	50.9
10/05/2024 10:00	59.9	63.9	48.8
L_{A10,18hour}		64	
L_{den}		65	

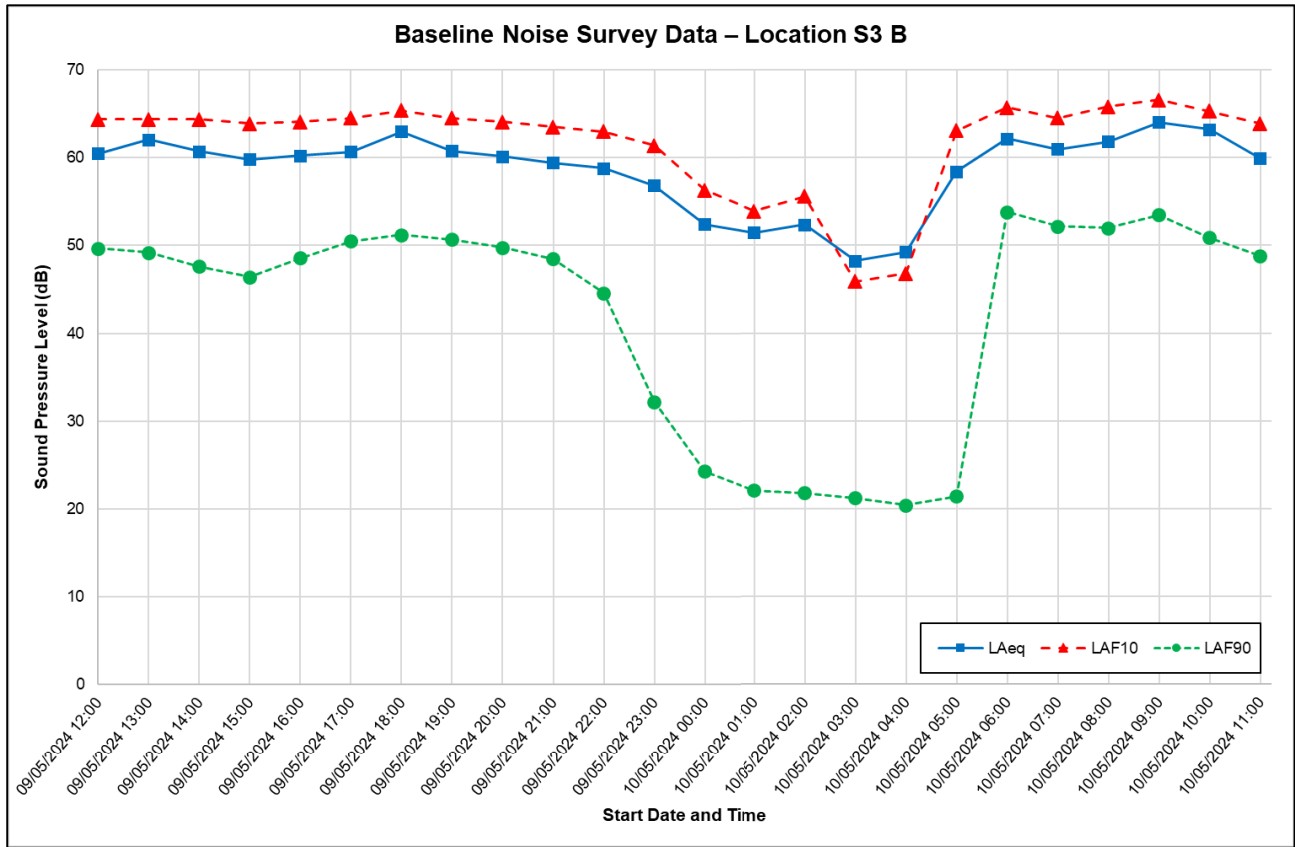


Figure C14.3-11: Baseline Noise Survey Data – Location S3 B

Baseline Noise Survey Data – Location S3 C

Table C14.3-12: Baseline Noise Survey Data – Location S3 C

Start Date and Time	Measured Noise Levels (dB)		
	L _{Aeq}	L _{AF10}	L _{AF90}
09/05/2024 10:00	56.7	61.2	42.0
09/05/2024 11:00	56.6	60.8	42.6
09/05/2024 12:00	56.6	60.9	41.9
09/05/2024 13:00	56.5	60.9	39.3
09/05/2024 14:00	56.4	60.5	40.8
09/05/2024 15:00	57.0	61.0	43.3
09/05/2024 16:00	57.6	61.5	45.3
09/05/2024 17:00	58.9	62.6	47.5
09/05/2024 18:00	59.3	63.1	49.1
09/05/2024 19:00	61.1	64.7	49.3
09/05/2024 20:00	56.7	60.6	44.3
09/05/2024 21:00	56.2	60.2	42.9
09/05/2024 22:00	54.4	58.4	37.6
09/05/2024 23:00	51.6	55.8	32.5
10/05/2024 00:00	51.0	53.9	31.6
10/05/2024 01:00	50.6	53.9	30.9
10/05/2024 02:00	49.5	51.3	31.8
10/05/2024 03:00	50.2	52.8	32.0
10/05/2024 04:00	49.4	51.2	32.6
10/05/2024 05:00	55.8	59.5	41.7
10/05/2024 06:00	55.4	59.7	40.1
10/05/2024 07:00	57.4	61.6	44.5
10/05/2024 08:00	58.2	62.2	45.5
10/05/2024 09:00	56.9	60.8	43.9
L_{A10,18hour}		61	
L_{den}		61	

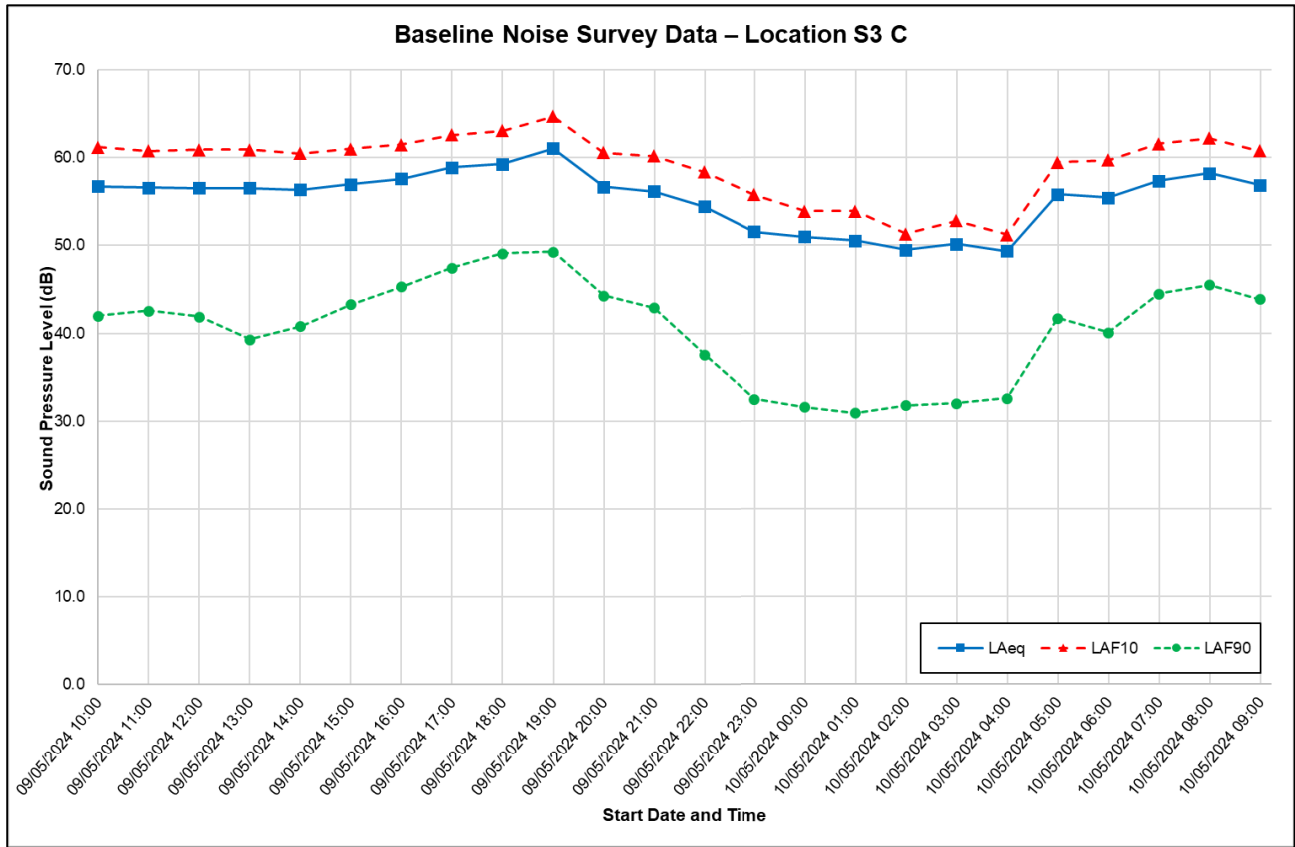


Figure C14.3-12: Baseline Noise Survey Data – Location S3 C

Baseline Noise Survey Data – Location S3 D**Table C14.3-13: Baseline Noise Survey Data – Location S3 D**

Start Date and Time	Measured Noise Levels (dB)		
	L _{Aeq}	L _{AF10}	L _{AF90}
08/05/2024 10:00	58.2	63.1	40.2
08/05/2024 11:00	55.4	59.1	40.2
08/05/2024 12:00	57.7	60.4	40.1
08/05/2024 13:00	57.2	60.4	40.7
08/05/2024 14:00	53.5	55.8	39.9
08/05/2024 15:00	56.6	59.9	40.0
08/05/2024 16:00	55.3	58.0	41.7
08/05/2024 17:00	53.3	56.6	40.5
08/05/2024 18:00	52.7	55.9	41.0
08/05/2024 19:00	52.7	55.9	40.9
08/05/2024 20:00	55.8	57.1	38.9
08/05/2024 21:00	51.9	55.5	38.7
08/05/2024 22:00	49.5	47.1	32.1
08/05/2024 23:00	45.5	43.0	25.4
09/05/2024 00:00	40.9	39.3	22.3
09/05/2024 01:00	35.7	40.7	21.5
09/05/2024 02:00	29.0	31.6	20.1
09/05/2024 03:00	29.2	29.6	19.8
09/05/2024 04:00	29.3	27.7	19.5
09/05/2024 05:00	56.1	59.1	24.3
09/05/2024 06:00	59.3	64.2	41.2
09/05/2024 07:00	58.5	63.6	38.2
09/05/2024 08:00	57.2	62.2	39.0
09/05/2024 09:00	56.5	61.0	40.7
L_{A10,18hour}		56	
L_{den}		60	

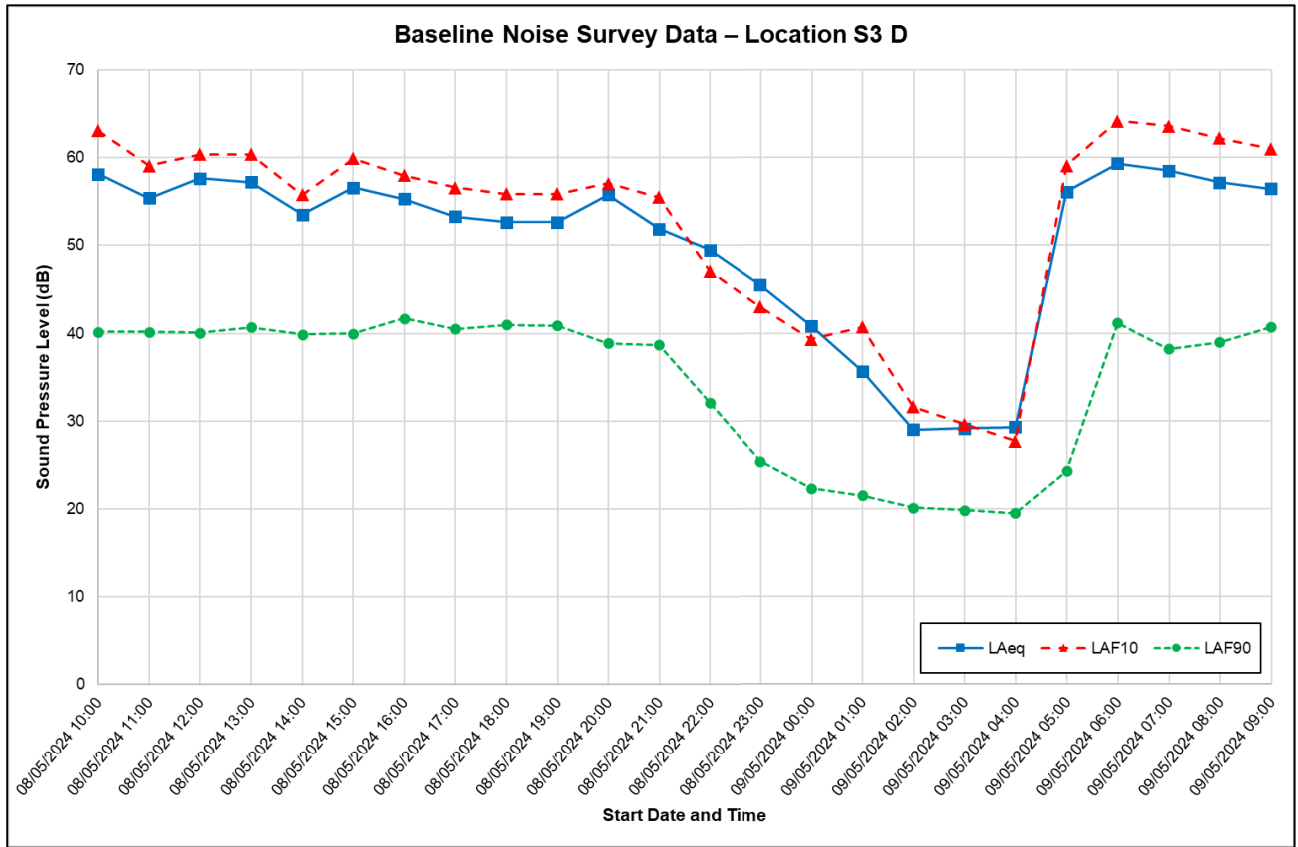


Figure C14.3-13: Baseline Noise Survey Data – Location S3 D

Baseline Noise Survey Data – Location S3 E

Table C14.3-14: Baseline Noise Survey Data – Location S3 E

Start Date and Time	Measured Noise Levels (dB)		
	L _{Aeq}	L _{AF10}	L _{AF90}
07/05/2024 14:00	57.3	61.2	42.6
07/05/2024 15:00	57.2	61.1	42.5
07/05/2024 16:00	58.9	62.8	46.8
07/05/2024 17:00	58.9	62.3	48.9
07/05/2024 18:00	58.3	61.8	45.7
07/05/2024 19:00	59.1	62.1	45.3
07/05/2024 20:00	57.7	60.9	43.9
07/05/2024 21:00	56.9	60.2	41.6
07/05/2024 22:00	52.4	56.6	38.5
07/05/2024 23:00	50.6	52.7	34.0
08/05/2024 00:00	50.4	46.9	29.9
08/05/2024 01:00	44.5	42.6	27.8
08/05/2024 02:00	44.7	39.0	26.1
08/05/2024 03:00	47.9	42.8	27.1
08/05/2024 04:00	61.0	65.2	33.3
08/05/2024 05:00	57.9	62.1	42.3
08/05/2024 06:00	57.5	61.9	43.8
08/05/2024 07:00	59.6	63.5	45.5
08/05/2024 08:00	60.4	64.3	49.5
08/05/2024 09:00	59.1	63.0	46.4
08/05/2024 10:00	60.0	63.8	45.4
08/05/2024 11:00	59.8	63.5	48.9
08/05/2024 12:00	60.4	64.2	47.7
08/05/2024 13:00	62.6	67.3	49.8
L_{A10,18hour}		62	
L_{den}		63	

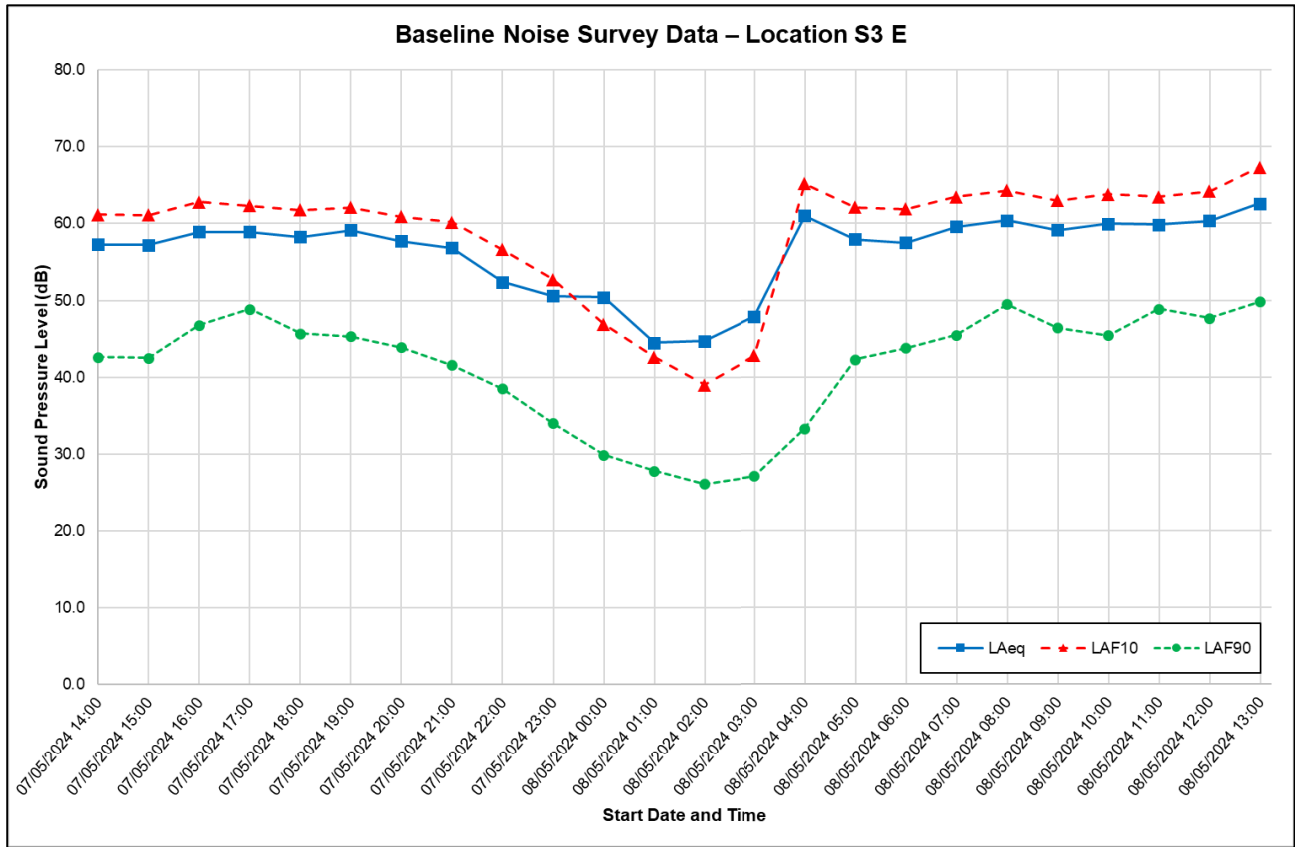


Figure C14.3-14: Baseline Noise Survey Data – Location S3 E

Baseline Noise Survey Data – Shortened Measurement Procedure

Table C14.3-15: Baseline Noise Survey Data – Shortened Measurement Procedure

Location	Date and Time	Duration	Measured Noise Levels (dB)			Derived L _{A10,18hour}	Derived L _{den}	Notes
			L _{Aeq}	L _{AF10}	L _{AF90}			
S1 A1	23/04/2024 10:31	15:00	53.3	49.6	38.6	48	51	Moderate road traffic noise (RTN) and birdsong. Other noise sources included occasional vehicle passbys that had a minimal effect on measurements.
	23/04/2024 11:31	15:00	60.5	49.6	41.0			
	23/04/2024 12:48	15:00	51.4	48.6	37.0			
S1 A2	23/04/2024 10:52	15:00	52.3	46.6	36.1	48	51	Moderate RTN with occasional vehicle passbys.
	23/04/2024 11:49	15:00	50.5	50.8	39.2			
	23/04/2024 12:29	15:00	54.7	49.3	39.5			
S1 B1	23/04/2024 10:11	15:00	69.6	73.3	51.0	71	71	RTN dominant with some domestic construction noise.
	23/04/2024 11:12	15:00	67.4	71.5	45.2			
	23/04/2024 12:09	15:00	68.0	72.1	48.9			
S1 B2	23/04/2024 10:29	15:00	59.7	56.8	38.7	53	55	Distant RTN primary noise source. Other sources: birdsong, light vegetation rustle, faint sound of water flowing in a nearby field and occasional vehicles on local road with some HGV and tractor passbys during rounds 1 and 2.
	23/04/2024 11:32	15:00	56.3	56.3	39.8			
	23/04/2024 12:33	15:00	53.0	49.3	39.6			
S1 B3	23/04/2024 10:08	15:00	56.4	57.6	37.8	58	60	Local RTN from Glenfin Road (R252) dominant with frequent vehicle passbys. Other sources: distant RTN, local activity, birdsong and intermittent hedge trimming.
	23/04/2024 11:11	15:00	56.6	56.6	39.0			
	23/04/2024 12:13	15:00	58.9	63.4	39.2			
S1 B4	23/04/2024 10:51	15:00	53.0	56.6	42.1	55	57	Local RTN from Glenfin Road (R252) dominant with distant RTN audible during breaks in traffic. Other sources:
	23/04/2024 11:53	15:00	53.4	56.4	42.0			

Location	Date and Time	Duration	Measured Noise Levels (dB)			Derived L _{A10,18hour}	Derived L _{den}	Notes
			L _{Aeq}	L _{AF10}	L _{AF90}			
	23/04/2024 12:53	15:00	51.8	55.7	41.0			birdsong, light vegetation rustle and intermittent lawnmowing at a nearby property.
S1 B5	23/04/2024 14:15	15:00	43.4	46.7	37.3	46	49	Relatively low-noise location. Main sources were birdsong and RTN on nearby local road. Other sources: some agricultural noise (manure spreading) in a nearby field but had little effect on L _{Aeq} . This stopped after first measurement.
	23/04/2024 15:13	15:00	43.1	46.0	38.2			
	23/04/2024 16:12	15:00	45.8	47.5	41.3			
S1 B6	23/04/2024 14:43	15:00	41.4	41.1	33.1	39	43	Low-noise rural location. Noise sources included birdsong, distant RTN, local activity and some local works at a property (power tools).
	23/04/2024 15:43	15:00	39.2	39.9	34.2			
	23/04/2024 16:35	15:00	38.1	39.4	34.6			
S1 C1	23/04/2024 14:24	15:00	72.4	75.9	59.4	75	74	SLM approx. 2 m from façade of buildings. Local RTN from N13 dominant and continuous. In the infrequent breaks in traffic, distant RTN was audible.
	23/04/2024 15:29	15:00	73.6	75.0	62.8			
	23/04/2024 16:44	15:00	73.7	77.6	59.6			
S1 C2	23/04/2024 14:03	15:00	63.1	65.5	52.0	63	64	Proxy location on Drumboe Ave. at same distance from N15 as originally plotted location. SLM c. 1 m from boundary wall of a property. Local RTN from N15 dominant with occasional vehicle passbys on Drumboe Ave. Other sources: intermittent construction noise at a property along the N15.
	23/04/2024 15:07	15:00	61.6	65.1	53.0			
	23/04/2024 16:23	15:00	59.1	62.2	48.9			
S1 C3	23/04/2024 14:47	15:00	59.9	63.3	52.9	63	64	Proxy location on Woodlawn in line with façade of nearest NSL. RTN from N15 main noise source. An adjacent construction site gave rise to constant machinery noise during round 2. During rounds 1 and 3, noise from the construction site was limited to smaller hand tools. Other noise sources included birdsong and vegetation rustle.
	23/04/2024 15:50	15:00	61.2	64.3	54.6			
	23/04/2024 17:06	15:00	59.8	63.8	50.5			
S1 C4	24/04/2024 10:48	15:00	70.1	68.7	39.0	51	54	Dominant noise was small dogs barking. Other noise sources included some birdsong, distant RTN and a noisy rookery nearby. Location changed for measurements 2 and 3 to avoid barking dogs and crow colony.
	24/04/2024 11:56	15:00	48.4	46.9	34.2			
	24/04/2024 12:53	15:00	44.1	41.7	33.9			

Location	Date and Time	Duration	Measured Noise Levels (dB)			Derived L _{A10,18hour}	Derived L _{den}	Notes
			L _{Aeq}	L _{AF10}	L _{AF90}			
S1 D1	25/04/2024 10:40	15:00	53.1	47.3	32.3	46	49	Moderate RTN, occasional sounds from livestock, birdsong and some tractor activity on adjacent land. Vehicle movements on gravel driveway gave rise to elevated levels during round 1. Light spitting rain was observed during rounds 2 and 3 but passed quickly on each occasion.
	25/04/2024 11:44	15:00	43.1	45.8	34.5			
	25/04/2024 12:43	15:00	44.9	48.2	36.2			
S1 E1	24/04/2024 10:13	15:00	61.9	64.9	54.6	63	64	Proxy location at field entrance on access road opposite property. Lower elevation than road (~1 m) but clear line of sight to traffic. N13 RTN was dominant. Other noise sources included birdsong and occasional livestock calls.
	24/04/2024 11:30	15:00	60.7	63.4	52.1			
	24/04/2024 12:24	15:00	61.1	63.4	52.8			
S1 E2	25/04/2024 10:10	15:00	44.0	46.7	38.4	44	48	Rural location. Vegetation rustle dominant. Other sources: distant RTN, birdsong and occasional cows lowing. Car pulled into property's driveway during round 3. During round 2, some light spitting rain that passed quickly was observed. Prior to round 3, heavy rain was observed for c. 15 min.
	25/04/2024 11:10	15:00	40.7	43.4	34.5			
	25/04/2024 12:20	15:00	47.4	45.6	35.8			
S1 E3	24/04/2024 14:12	15:00	39.6	40.0	32.8	39	43	Proxy location at field entrance 140 m downhill due to barking dogs at original location. Very quiet location with birdsong being the main source. Distant screened RTN was faintly audible. Occasional vehicle passbys.
	24/04/2024 15:15	15:00	54.9	42.5	31.6			
	24/04/2024 16:04	15:00	47.9	38.8	32.1			
S1 F1	24/04/2024 14:50	15:00	53.0	56.6	44.7	54	56	N13 RTN dominant. Other noise sources included birdsong and a vehicle passby.
	24/04/2024 15:40	15:00	54.5	53.3	41.6			
	24/04/2024 16:26	15:00	51.0	54.6	42.6			
S1 F2	24/04/2024 10:07	15:00	65.6	69.5	51.5	67	67	Proxy location on access road the same distance to the N13 as originally plotted location. Location was at a decline compared to original location. N13 RTN continuous and dominant. Other sources: birdsong, light vegetation rustle, local activity at nearby farmyard and distant lawnmowing .
	24/04/2024 11:07	15:00	63.5	67.2	51.1			
	24/04/2024 12:15	15:00	64.5	68.0	48.3			
S2 A1	26/04/2024 14:38	15:00	57.8	60.6	52.6	60	61	

Location	Date and Time	Duration	Measured Noise Levels (dB)			Derived L _{A10,18hour}	Derived L _{den}	Notes
			L _{Aeq}	L _{AF10}	L _{AF90}			
	26/04/2024 15:46	15:00	58.8	61.5	54.0			N13 RTN dominant. Other noise sources included birdsong, some vegetation rustle due to freshening breeze and birdsong.
	26/04/2024 16:48	15:00	58.8	61.0	54.1			
S2 A2	24/04/2024 14:22	15:00	65.5	68.6	59.9	68	68	RTN from N13 continuous and dominant. Other noise sources included vehicle movements on local road, birdsong and intermittent construction activity at a nearby property (electric hand tools).
	24/04/2024 15:22	15:00	65.3	68.5	59.5			
	24/04/2024 16:23	15:00	66.3	69.3	61.4			
S2 A3	24/04/2024 13:58	15:00	58.2	60.3	53.6	63	64	RTN from N13 continuous and dominant. Nearby lawnmowing resulted in elevated levels during round 2. Other noise sources included vehicle movements on local road, birdsong and light vegetation rustle.
	24/04/2024 15:02	15:00	66.0	72.2	54.4			
	24/04/2024 16:03	15:00	58.7	60.2	54.7			
S2 A4	25/04/2024 14:35	15:00	68.7	71.4	61.7	71	71	RTN from N56 continuous and dominant with occasional vehicle passbys at the adjacent junction. Other noise sources included local works at a nearby property, local activity at the power tools store and distant noise from a site across the N56.
	25/04/2024 15:27	15:00	69.4	71.7	62.1			
	25/04/2024 16:27	15:00	68.8	71.6	62.0			
S2 A5	25/04/2024 15:01	15:00	61.4	64.3	54.5	63	64	RTN from N56 and nearby roundabout continuous and dominant. Other noise sources included birdsong, light vegetation rustle and intermittent noise from a garage opposite the property.
	25/04/2024 15:53	15:00	62.6	63.7	56.3			
	25/04/2024 16:51	15:00	61.6	65.0	55.5			
S2 A6	26/04/2024 14:18	15:00	60.1	61.0	53.5	62	63	SLM positioned 3 m from the façade of Letterkenny Glass. RTN from N13 dominant.
	26/04/2024 15:28	15:00	60.2	61.4	55.1			
	26/04/2024 16:10	15:00	63.1	65.6	59.0			
S2 B2	16/05/2024 10:00	15:00	68.0	71.2	49.0	68	68	N13 RTN dominant with some breaks in traffic. In breaks, birdsong and activity within the school were audible. During
	16/05/2024 11:31	15:00	64.4	68.3	48.2			

Location	Date and Time	Duration	Measured Noise Levels (dB)			Derived L _{A10,18hour}	Derived L _{den}	Notes
			L _{Aeq}	L _{AF10}	L _{AF90}			
	16/05/2024 12:10	15:00	64.7	68.5	48.0			round 1, two groups of schoolchildren entered the yard for a few minutes each to run around the yard.
S2 B3	16/05/2024 10:22	15:00	48.9	51.5	44.5	53	55	N13 RTN dominant with some loud birdsong also contributing. Other sources: occasional vehicle passbys on local road, occasional dog barking at a nearby property, distant sound of schoolchildren and intermittent lawnmowing at an adjacent property during rounds 2 and 3.
	16/05/2024 11:11	15:00	52.6	57.0	45.3			
	16/05/2024 12:30	15:00	50.9	53.4	46.9			
S2 B4	26/04/2024 14:10	15:00	49.8	52.3	40.2	53	55	Proxy location at layby along local road. N13 RTN main noise source. Other sources: occasional vehicle passbys on local road, birdsong, tractor activity in a nearby field during rounds 2 and 3, local activity at nearby property and children playing in nearby garden. During round 3, people came to walk down access path at layby resulting in elevated levels.
	26/04/2024 15:18	15:00	53.4	56.6	43.3			
	26/04/2024 16:18	15:00	57.6	54.2	42.6			
S2 C	16/05/2024 10:43	15:00	55.5	56.3	44.6	55	57	N13 RTN continuous and dominant. Other noise sources included birdsong, occasional vehicles on the adjacent local road, a helicopter flyover during round 1 and some loading of a trailer on the hard shoulder of the N13 during round 2.
	16/05/2024 11:51	15:00	53.2	55.1	42.0			
	16/05/2024 12:48	15:00	52.1	55.6	42.4			
S2 C1	26/04/2024 10:32	15:00	45.3	47.2	42.8	45	49	N13 RTN main noise source. Other noise sources included occasional vehicles passing on local road, birdsong, light vegetation rustle and distant crow scarers.
	26/04/2024 11:33	15:00	43.8	45.2	42.0			
	26/04/2024 12:33	15:00	45.3	47.0	42.2			
S2 C2	26/04/2024 13:52	15:00	62.8	65.3	58.5	63	64	N13 RTN dominant. Other noise sources included birdsong and some industrial noise from Letterkenny Glass during the third measurement.
	26/04/2024 15:02	15:00	62.3	64.8	58.0			
	26/04/2024 16:31	15:00	59.5	61.7	54.9			
S2 C3	26/04/2024 10:05	15:00	54.9	57.1	50.9	57	59	N13 RTN continuous and dominant. Other sources: occasional vehicles passing on local road, birdsong, light vegetation rustle, intermittent distant dog barking, intermittent sounds from livestock and local activity at nearby properties.
	26/04/2024 11:10	15:00	56.6	58.8	52.6			
	26/04/2024 12:10	15:00	56.0	57.7	52.1			

Location	Date and Time	Duration	Measured Noise Levels (dB)			Derived L _{A10,18hour}	Derived L _{den}	Notes
			L _{Aeq}	L _{AF10}	L _{AF90}			
S2 D1	24/04/2024 14:43	15:00	66.5	68.7	61.7	69	69	N13 RTN continuous and dominant. Other sources: occasional vehicles passbys close to SLM on local L1114 road, noise from window washing company at a nearby property during round 1 and birdsong.
	24/04/2024 15:44	15:00	67.7	70.0	62.7			
	24/04/2024 16:41	15:00	68.4	70.5	64.6			
S2 D2	26/04/2024 10:56	15:00	65.8	69.5	58.1	69	69	Proxy location at field entrance in line with façade on adjacent access road. N13 RTN dominant. Other noise sources included birdsong.
	26/04/2024 11:57	15:00	65.7	69.3	57.8			
	26/04/2024 13:08	15:00	66.9	70.0	59.9			
S2 D3	26/04/2024 10:32	15:00	54.0	55.7	47.7	54	56	Proxy location along roadside. RTN from N13 dominant. Other noise sources included distant lawnmowing and birdsong.
	26/04/2024 11:34	15:00	56.0	56.2	48.5			
	26/04/2024 12:36	15:00	56.3	48.0	47.8			
S2 D4	26/04/2024 10:10	15:00	58.6	61.6	51.4	61	62	RTN from N13 dominant. Other noise sources included birdsong.
	26/04/2024 11:15	15:00	59.4	62.2	53.5			
	26/04/2024 12:25	15:00	59.8	54.2	54.2			
S3 A1	12/06/2024 10:00	15:00	51.2	53.9	42.1	54	56	Moderate RTN from N14 primary source. Other sources: birdsong, occasional vehicles on local road, farming activity in a surrounding field and local activity at the property. During round 3, road works on the local road began, giving rise to elevated levels.
	12/06/2024 11:00	15:00	50.4	52.8	42.3			
	12/06/2024 12:01	15:00	56.8	59.5	51.4			
S3 A2	12/06/2024 10:19	15:00	72.8	77.9	47.0	77	76	Proxy location the same distance to N14 as original location. N14 RTN dominant with some breaks in traffic. Other sources: birdsong, children playing at a local school, intermittent sounds from livestock and occasional vehicle passbys at the junction.
	12/06/2024 11:20	15:00	73.4	78.8	45.0			
	12/06/2024 12:21	15:00	73.2	78.4	49.3			
S3 A3	12/06/2024 10:39	15:00	51.0	53.1	41.8	51	54	

Location	Date and Time	Duration	Measured Noise Levels (dB)			Derived L _{A10,18hour}	Derived L _{den}	Notes
			L _{Aeq}	L _{AF10}	L _{AF90}			
	12/06/2024 11:38	15:00	49.5	53.3	41.1			Moderate RTN from N14 and birdsong main noise sources. Other noise sources included occasional vehicles passing on local road and some intermittent sounds from livestock.
	12/06/2024 12:39	15:00	48.2	51.0	42.5			
S3 A4	12/06/2024 14:00	15:00	47.0	48.1	40.6	47	50	Birdsong primary source due to many large trees and birdboxes in the surrounding garden. Notably less louder birds in garden during round 2. Other sources: moderate RTN from N14, light vegetation rustle and children playing on local road.
	12/06/2024 15:01	15:00	44.7	47.2	40.6			
	12/06/2024 16:02	15:00	48.2	49.6	41.8			
S3 B1	12/06/2024 14:40	15:00	43.0	43.2	32.8	43	47	Proxy location on access path along local road off the N14. Birdsong primary source. Other sources: distant RTN, local farming activity, occasional vehicle passbys on the local road, intermittent sounds from livestock and distant noise from nearby furniture fitting facility.
	12/06/2024 15:22	15:00	42.1	44.5	36.7			
	12/06/2024 16:39	15:00	42.3	43.8	36.5			
S3 B2	09/05/2024 14:03	15:00	52.2	55.0	41.2	56	58	SLM in line with façade facing N14. RTN from N14 dominant but not continuous and there were frequent breaks in traffic. Other noise sources included occasional traffic on local road, birdsong and distant tractor noise.
	09/05/2024 15:05	15:00	55.2	57.9	40.1			
	09/05/2024 16:06	15:00	56.4	59.3	41.3			
S3 B3	09/05/2024 14:24	15:00	50.4	54.0	41.4	54	56	SLM in line with façade facing N14. RTN from N14 dominant but not continuous and there were frequent breaks in traffic. Other noise sources included occasional traffic on local road, birdsong and intermittent noise from a tractor working in a surrounding field.
	09/05/2024 15:26	15:00	52.5	55.8	44.9			
	09/05/2024 16:26	15:00	51.9	55.2	44.3			
S3 C1	09/05/2024 10:42	15:00	46.4	46.8	33.8	48	51	Birdsong dominant source with several loud birds perched in surrounding trees and on nearby power lines. Other sources: occasional vehicle passbys on the local road, distant RTN, some sounds from cows in an adjacent field, local activity at the adjacent farmyard and a distant airplane flyover.
	09/05/2024 11:59	15:00	50.7	53.1	33.2			
	09/05/2024 12:45	15:00	45.0	47.0	30.1			
S3 C2	09/05/2024 10:20	15:00	44.9	43.1	32.9	43	47	Proxy location in green patch area. Same distance to local road and N14 as property opposite. Birdsong dominant source with occasional vehicle passbys on local road. Other
	09/05/2024 11:20	15:00	45.7	47.5	33.3			

Location	Date and Time	Duration	Measured Noise Levels (dB)			Derived L _{A10,18hour}	Derived L _{den}	Notes
			L _{Aeq}	L _{AF10}	L _{AF90}			
	09/05/2024 12:22	15:00	41.8	42.4	33.9			sources: distant RTN, distant crow scarers, tractor activity (which moved further away during round 3), distant chainsaw activity and noise from horses in an adjacent field.
S3 C3	09/05/2024 14:44	15:00	66.0	70.3	44.4	69	69	SLM in line with façade of nearby property c. 1.5 m from 1 m high wall to avoid obstructing footpath. N14 RTN dominant with frequent breaks in traffic. Other noise sources included occasional vehicles passing at the junction, birdsong, local activity at the adjacent property, distant domestic construction noise and intermittent distant dog barking.
	09/05/2024 15:45	15:00	65.6	69.7	45.6			
	09/05/2024 16:45	15:00	66.1	70.0	47.3			
S3 D1	08/05/2024 10:28	15:00	51.4	55.0	36.3	46	49	RTN from N13 continuous and dominant. Other noise sources included occasional vehicle passbys on local road, local activity at nearby property, birdsong and a dog barking during round 1.
	08/05/2024 11:47	15:00	47.1	43.1	33.3			
	08/05/2024 12:57	15:00	46.0	42.8	31.3			
S3 D2	08/05/2024 10:00	15:00	46.0	47.8	41.2	46	49	N14 RTN dominant. Other sources: sporadic vehicle passbys on local road, birdsong, light vegetation rustle, distant tractor activity, distant dog barking and distant sound of children playing at a school during round 3.
	08/05/2024 11:24	15:00	46.6	49.6	41.2			
	08/05/2024 12:33	15:00	42.7	44.8	37.4			
S3 D3	10/05/2024 10:24	15:00	42.5	45.1	37.0	44	48	Rural location. Vegetation rustle was the dominant source. Other noise sources included distant RTN, distant tractor activity, birdsong, intermittent local activity in the yard, occasional vehicle passbys on local road and some bleating from sheep and lambs in adjacent field.
	10/05/2024 11:42	15:00	41.0	43.2	30.5			
	10/05/2024 12:51	15:00	43.2	46.3	33.8			
S3 D4	10/05/2024 10:54	15:00	56.3	61.5	38.7	61	62	RTN on local road was dominant with frequent vehicle passbys. Other noise sources included birdsong and distant RTN. The sound of flowing water outside the property boundary was audible in breaks in traffic.
	10/05/2024 12:07	15:00	57.4	62.0	37.0			
	10/05/2024 13:16	15:00	57.8	62.9	37.9			
S3 D5	08/05/2024 11:04	15:00	53.2	47.7	36.9	48	51	Distant RTN dominant with sporadic vehicle passbys on local road. Other noise sources included birdsong, some sounds from cows in an adjacent field and local activity at the property.
	08/05/2024 12:12	15:00	47.3	49.6	42.8			
	08/05/2024 13:20	15:00	48.4	49.6	38.3			

Location	Date and Time	Duration	Measured Noise Levels (dB)			Derived L _{A10,18hour}	Derived L _{den}	Notes
			L _{Aeq}	L _{AF10}	L _{AF90}			
S3 E1	08/05/2024 14:00	15:00	54.1	56.7	43.7	49	52	Proxy location along local road. Distant RTN dominant source. Other sources: birdsong, occasional vehicle passbys on local road and children playing at a property during round 3. Tractor in nearby field during round 1. Moved further away during rounds 2 and 3.
	08/05/2024 15:04	15:00	53.4	44.6	40.4			
	08/05/2024 16:04	15:00	48.1	50.1	40.8			
S3 E2	08/05/2024 14:19	15:00	49.9	53.2	42.4	53	55	Location within the Glenfinn estate. RTN on Urney Road dominant but not continuous. Other noise sources included distant RTN, local activity in the estate, birdsong, light vegetation rustle and a distant chainsaw.
	08/05/2024 15:23	15:00	51.2	54.7	42.4			
	08/05/2024 16:23	15:00	51.7	54.9	44.3			
S3 E3	07/05/2024 14:43	15:00	53.0	50.1	35.8	52	55	Location within Coneyburrow Estate. Local activity primary source (gravelly surface). Other sources: distant lawnmowing, distant construction works, intermittent dogs barking, birdsong, distant RTN, an ice cream truck in estate during round 1 and nearby lawnmowing in round 2.
	07/05/2024 15:30	15:00	53.7	59.6	34.8			
	07/05/2024 16:16	15:00	49.4	50.7	38.4			
S3 E4	07/05/2024 15:09	15:00	68.3	70.5	62.0	70	70	SLM deployed on green area beside roundabout. Local RTN dominant with many HGVs using the roundabout. Other noise sources included occasional horn honking, activity in nearby car park and people chatting at the nearby bus stop.
	07/05/2024 15:55	15:00	68.6	70.5	62.7			
	07/05/2024 16:37	15:00	68.1	70.8	62.7			
S3 E5	10/05/2024 10:00	15:00	45.8	48.0	40.5	46	49	N14 RTN was dominant with occasional vehicles passing on the local and estate roads. Other sources: birdsong, local activity in the estate, dogs barking, distant lawnmowing and distant construction works.
	10/05/2024 11:17	15:00	44.9	46.4	37.6			
	10/05/2024 12:30	15:00	44.8	46.9	39.0			