
Appendix 9.3

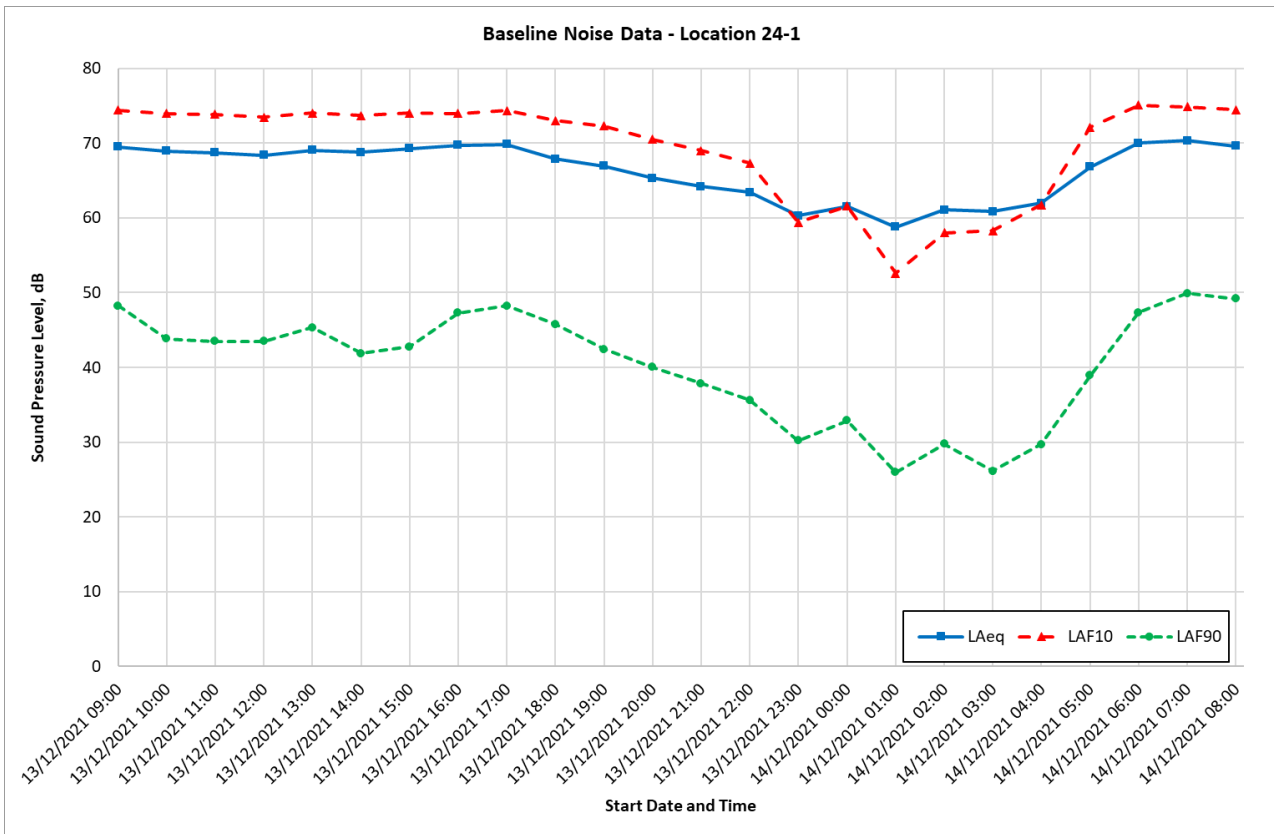
Baseline Noise Survey Data

VOL. 4 APPENDIX 9

Baseline Noise Data – Location 24-1

Start Date and Time	Measured Noise Levels		
	L _{Aeq}	L _{A10}	L _{A90}
13/12/2021 09:00	69.5	74.4	48.2
13/12/2021 10:00	69.0	74.0	43.9
13/12/2021 11:00	68.7	73.8	43.5
13/12/2021 12:00	68.4	73.4	43.5
13/12/2021 13:00	69.1	74.0	45.3
13/12/2021 14:00	68.8	73.7	41.9
13/12/2021 15:00	69.3	74.0	42.7
13/12/2021 16:00	69.7	74.0	47.3
13/12/2021 17:00	69.9	74.4	48.2
13/12/2021 18:00	67.9	73.0	45.8
13/12/2021 19:00	66.9	72.3	42.4
13/12/2021 20:00	65.3	70.5	40.0
13/12/2021 21:00	64.2	69.0	37.9
13/12/2021 22:00	63.4	67.3	35.6
13/12/2021 23:00	60.3	59.4	30.2
14/12/2021 00:00	61.5	61.5	32.9
14/12/2021 01:00	58.8	52.6	26.0
14/12/2021 02:00	61.1	58.0	29.8
14/12/2021 03:00	60.9	58.3	26.2
14/12/2021 04:00	61.9	61.7	29.7
14/12/2021 05:00	66.8	72.1	38.9
14/12/2021 06:00	70.0	75.1	47.3
14/12/2021 07:00	70.3	74.9	49.9
14/12/2021 08:00	69.6	74.5	49.2
L_{A10,18hour}	72		
L_{den}	73		

VOL. 4 APPENDIX 9



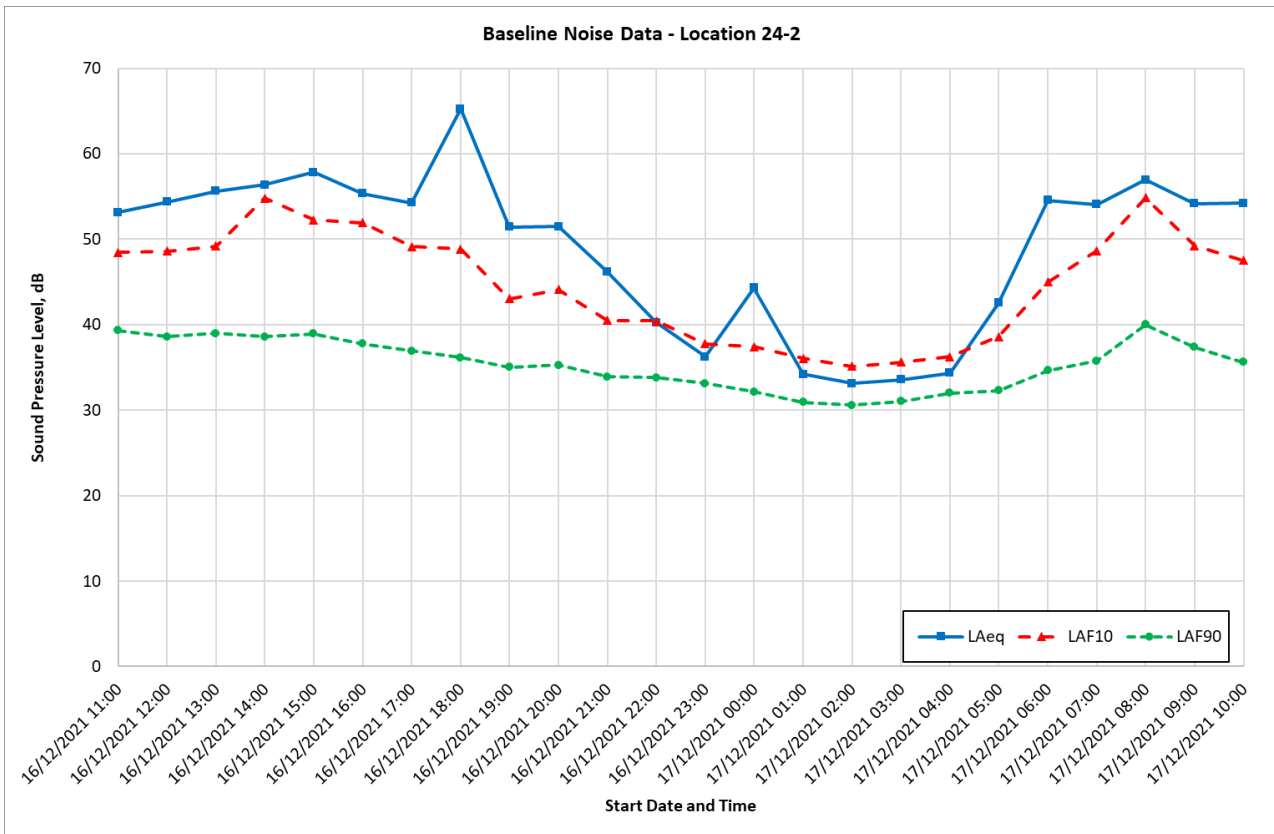
Baseline Noise Data – Location 24-1

VOL. 4 APPENDIX 9

Baseline Noise Data – Location 24-2

Start Date and Time	Measured Noise Levels		
	L_{Aeq}	L_{A10}	L_{A90}
16/12/2021 11:00	53.2	48.4	39.3
16/12/2021 12:00	54.4	48.6	38.6
16/12/2021 13:00	55.6	49.2	39.0
16/12/2021 14:00	56.4	54.8	38.6
16/12/2021 15:00	57.9	52.3	38.9
16/12/2021 16:00	55.3	51.9	37.8
16/12/2021 17:00	54.3	49.2	36.9
16/12/2021 18:00	65.2	48.8	36.2
16/12/2021 19:00	51.4	43.0	35.0
16/12/2021 20:00	51.5	44.1	35.3
16/12/2021 21:00	46.1	40.5	33.9
16/12/2021 22:00	40.2	40.5	33.8
16/12/2021 23:00	36.3	37.8	33.1
17/12/2021 00:00	44.3	37.4	32.2
17/12/2021 01:00	34.2	36.0	31.0
17/12/2021 02:00	33.1	35.1	30.6
17/12/2021 03:00	33.6	35.6	31.0
17/12/2021 04:00	34.3	36.3	32.0
17/12/2021 05:00	42.6	38.6	32.3
17/12/2021 06:00	54.5	45.0	34.6
17/12/2021 07:00	54.1	48.7	35.8
17/12/2021 08:00	56.9	54.9	40.0
17/12/2021 09:00	54.2	49.2	37.4
17/12/2021 10:00	54.2	47.5	35.6
$L_{A10,18hour}$	47		
L_{den}	58		

VOL. 4 APPENDIX 9



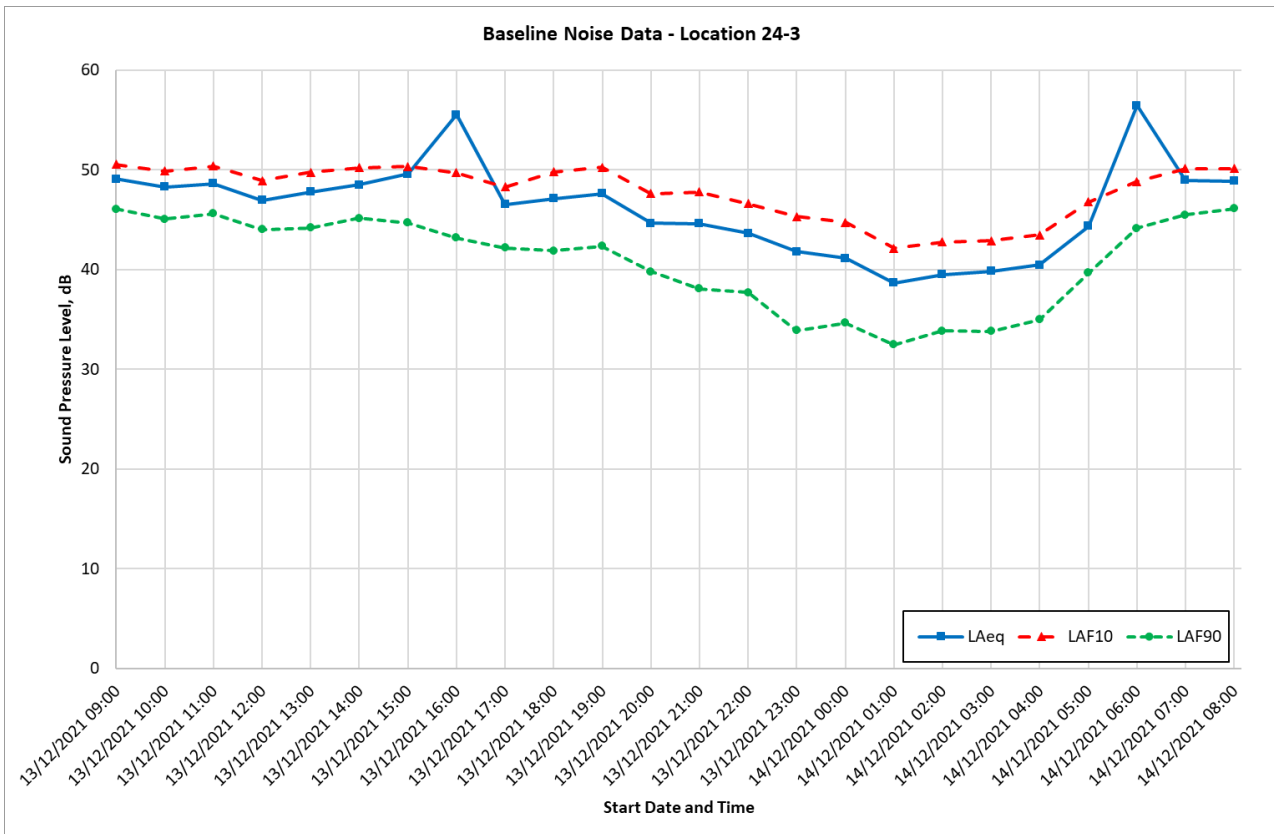
Baseline Noise Data – Location 24-2

VOL. 4 APPENDIX 9

Baseline Noise Data – Location 24-3

Start Date and Time	Measured Noise Levels		
	L _{Aeq}	L _{A10}	L _{A90}
13/12/2021 09:00	49.1	50.5	46.1
13/12/2021 10:00	48.3	49.9	45.1
13/12/2021 11:00	48.6	50.4	45.6
13/12/2021 12:00	46.9	48.9	44.0
13/12/2021 13:00	47.8	49.7	44.2
13/12/2021 14:00	48.5	50.2	45.2
13/12/2021 15:00	49.6	50.3	44.7
13/12/2021 16:00	55.5	49.7	43.2
13/12/2021 17:00	46.5	48.3	42.2
13/12/2021 18:00	47.1	49.8	41.9
13/12/2021 19:00	47.6	50.3	42.3
13/12/2021 20:00	44.7	47.6	39.8
13/12/2021 21:00	44.6	47.8	38.1
13/12/2021 22:00	43.6	46.6	37.7
13/12/2021 23:00	41.8	45.3	33.9
14/12/2021 00:00	41.1	44.7	34.6
14/12/2021 01:00	38.7	42.1	32.5
14/12/2021 02:00	39.5	42.7	33.8
14/12/2021 03:00	39.8	42.9	33.8
14/12/2021 04:00	40.5	43.5	35.0
14/12/2021 05:00	44.3	46.8	39.7
14/12/2021 06:00	56.4	48.8	44.1
14/12/2021 07:00	48.9	50.1	45.5
14/12/2021 08:00	48.9	50.1	46.1
L_{A10,18hour}	49		
L_{den}	55		

VOL. 4 APPENDIX 9



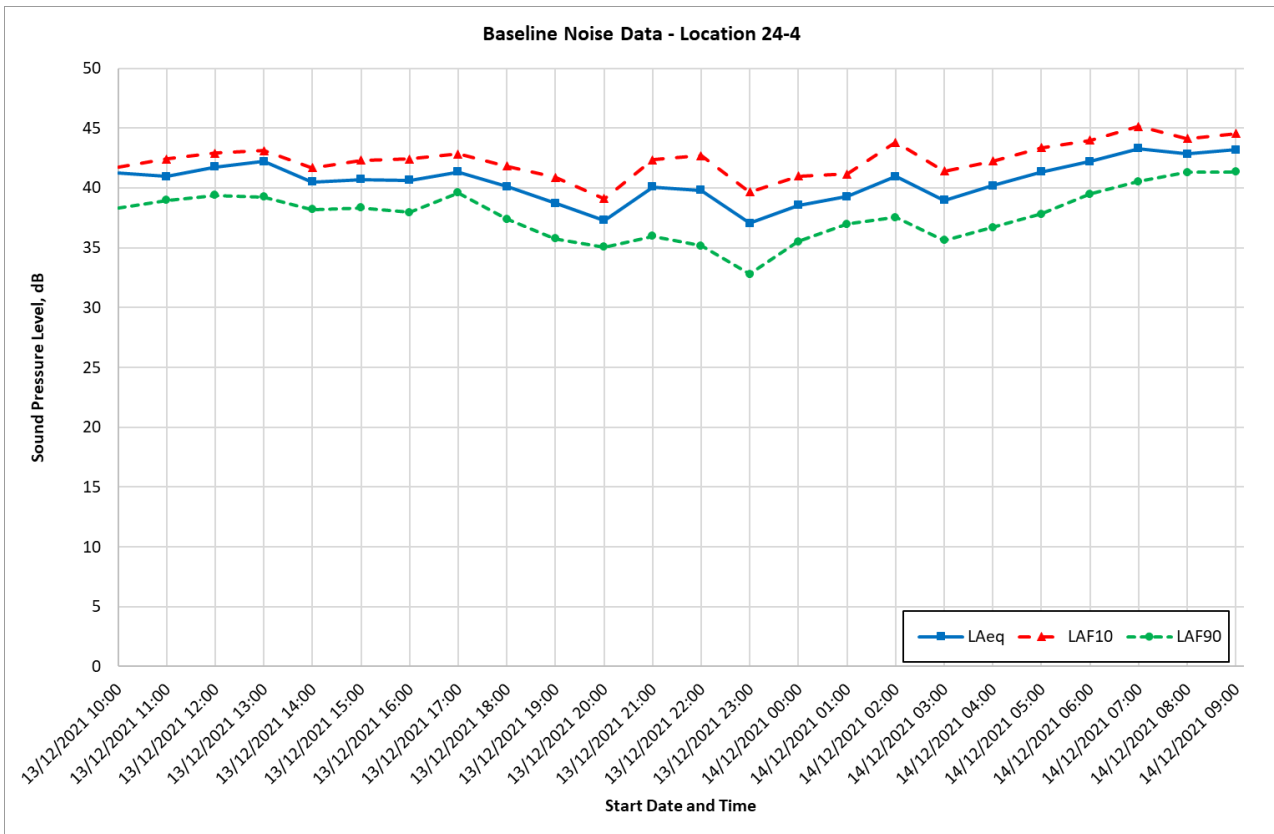
Baseline Noise Data – Location 24-3

VOL. 4 APPENDIX 9

Baseline Noise Data – Location 24-4

Start Date and Time	Measured Noise Levels		
	L_{Aeq}	L_{A10}	L_{A90}
13/12/2021 10:00	41.2	41.7	38.3
13/12/2021 11:00	41.0	42.4	39.0
13/12/2021 12:00	41.8	42.9	39.4
13/12/2021 13:00	42.2	43.1	39.3
13/12/2021 14:00	40.5	41.7	38.2
13/12/2021 15:00	40.7	42.3	38.4
13/12/2021 16:00	40.6	42.4	38.0
13/12/2021 17:00	41.3	42.8	39.6
13/12/2021 18:00	40.1	41.8	37.4
13/12/2021 19:00	38.7	40.9	35.8
13/12/2021 20:00	37.3	39.1	35.1
13/12/2021 21:00	40.1	42.4	36.0
13/12/2021 22:00	39.8	42.7	35.2
13/12/2021 23:00	37.1	39.7	32.8
14/12/2021 00:00	38.6	41.0	35.5
14/12/2021 01:00	39.3	41.2	37.0
14/12/2021 02:00	41.0	43.8	37.5
14/12/2021 03:00	39.0	41.4	35.6
14/12/2021 04:00	40.2	42.2	36.7
14/12/2021 05:00	41.3	43.4	37.8
14/12/2021 06:00	42.2	44.0	39.5
14/12/2021 07:00	43.3	45.2	40.5
14/12/2021 08:00	42.9	44.1	41.3
14/12/2021 09:00	43.2	44.5	41.3
$L_{A10,18hour}$	42		
L_{den}	47		

VOL. 4 APPENDIX 9



Baseline Noise Data – Location 24-4

VOL. 4 APPENDIX 9

Baseline Noise Data – Short-term Monitoring Results

Noise Monitoring Location (NML)	Date and Time	Measured Noise Levels			Derived $L_{A10,18hour}$	Derived L_{den}	Notes
		L_{Aeq}	L_{AF10}	L_{AF90}			
24-1-A	13/12/2021 13:01 - 13:16	60.8	65.1	44.2	65	66	Road traffic noise from N2 dominants. Bird Song audible.
	13/12/2021 14:03 - 14:18	62.2	66.8	48.7			
	13/12/2021 15:03 - 15:18	62.4	66.7	46.8			
24-2-A	13/12/2021 13:22 - 13:37	57.8	62.0	40.9	60	61	Road Traffic Noise from N2 dominants. Bird Song audible. Traffic volumes increased during the final measurement.
	13/12/2021 14:23 - 14:38	57.5	61.0	42.6			
	13/12/2021 15:22 - 15:37	57.1	60.8	45.1			
24-2-B	13/12/2021 13:42 - 13:57	55.2	51.7	36.2	53	55	Distant road traffic and bird song audible. Peak in noise levels due to occasional local road traffic noise.
	13/12/2021 14:42 - 14:57	58.1	56.4	36.4			
	13/12/2021 15:41 - 15:56	55.4	53.5	37.2			
24-2-C	13/12/2021 13:21 - 13:36	56.7	57.9	53.8	56	58	Road traffic noise from the N2 dominates. The River Boyne was audible during breaks in the traffic. Bird Song was audible.
	13/12/2021 14:21 - 14:36	56.3	57.9	53.3			
	13/12/2021 15:21 - 15:36	55.1	56.6	52.6			
24-2-D	13/12/2021 13:01 - 13:16	66.9	69.4	54.8	69	69	Constant road traffic noise from the N2 dominates. The River Boyne was audible during breaks in the traffic. Bird Song was audible.
	13/12/2021 14:00 - 14:15	66.3	70.1	54.6			
	13/12/2021 15:00 - 15:15	67.2	69.9	54.5			
24-3-A	17/12/2021 14:18 - 14:33	68.9	74.0	39.1	71	71	Intermittent road traffic noise from the N51 dominates. Bird Song audible.
	17/12/2021 15:19 - 15:34	67.2	72.4	38.6			
	17/12/2021 16:19 - 16:34	64.3	69.3	39.0			
24-3-B	17/12/2021 14:00 - 14:15	68.9	74.4	41.8	73	73	Intermittent road traffic noise from the N51 dominates. Bird Song audible.
	17/12/2021 15:02 - 15:17	68.9	74.0	45.4			
	17/12/2021 16:00 - 16:15	69.3	74.7	46.6			
24-3-C	13/12/2021 10:24 - 10:39	62.3	65.9	49.2	65	66	

VOL. 4 APPENDIX 9

Noise Monitoring Location (NML)	Date and Time	Measured Noise Levels			Derived $L_{A10,18\text{hour}}$	Derived L_{den}	Notes
		L_{Aeq}	L_{AF10}	L_{AF90}			
	13/12/2021 11:24 - 11:39	63.6	67.2	49.1			Road traffic noise from the N51 and N2 to a lesser extent dominate. This includes vehicles idling. Activity within the village, occasional dogs barking and bird song were also audible.
	13/12/2021 12:24 - 12:39	61.7	65.5	52.4			
24-3-D	17/12/2021 14:40 - 14:55	61.6	64.9	48.6	63	64	Constant Road traffic noise from the N51 dominates. Occasional local traffic travelling in and out of the housing estate results in a peak in noise levels. Bird song audible.
	17/12/2021 15:39 - 15:54	61.1	64.6	50.5			
	17/12/2021 16:39 - 16:54	60.3	63.7	48.7			
24-3-E	17/12/2021 14:00 - 14:15	47.9	50.0	44.7	49	52	Distant road traffic from the N2. Bird song audible. Dog running during the last measurement.
	17/12/2021 15:00 - 15:15	48.3	50.6	45.0			
	17/12/2021 16:00 - 16:15	48.6	50.7	45.0			
24-3-F	13/12/2021 10:00 - 10:15	55.2	58.1	46.3	57	59	Road traffic noise from the N2 dominates. Occasional noise from residents (low level) and occasional dogs barking. Noise from a distant lawnmower was audible during the first two measurements.
	13/12/2021 11:00 - 11:15	54.7	58.2	47.7			
	13/12/2021 12:00 - 12:15	56.3	59.2	48.3			
24-3-G	17/12/2021 10:00 - 10:15	73.3	77.7	51.0	79	78	Road traffic noise from the N2 dominates. Bird song audible. Single event with a jogger passing the measurement location during the second measurement.
	17/12/2021 11:00 - 11:15	76.8	82.0	53.1			
	17/12/2021 12:00 - 12:15	76.2	81.4	49.4			
24-3-H	17/12/2021 10:24 - 10:39	58.6	62.5	46.0	62	63	There were several noise sources including bird song, forest goers talking, dogs barking, vehicles parking and distant road traffic noise from the N2.
	17/12/2021 11:24 - 11:39	59.1	62.7	49.9			
	17/12/2021 12:33 - 12:48	58.8	62.6	49.6			
24-4-A	13/12/2021 10:04 - 10:19	47.6	42.9	35.4	43	47	This measurement location was quiet with low background noise levels. Distant road traffic noise from the south and bird song. During all measurements there was a single bus passing the measurement location.
	13/12/2021 11:00 - 11:15	47.9	42.0	33.7			
	13/12/2021 12:00 - 12:15	45.8	45.9	34.3			
24-4-B	13/12/2021 10:26 - 10:41	57.9	49.9	32.0	47	50	This measurement location was quiet with low background noise levels. N51 traffic noise audible. Occasional local road traffic. During the second measurement OPW were working at Douth. The equipment being operated sounds like a leaf blower.
	13/12/2021 11:22 - 11:37	57.3	46.4	40.6			
	13/12/2021 12:23 - 12:38	59.1	48.7	34.3			

VOL. 4 APPENDIX 9

Noise Monitoring Location (NML)	Date and Time	Measured Noise Levels			Derived $L_{A10,18\text{hour}}$	Derived L_{den}	Notes
		L_{Aeq}	L_{AF10}	L_{AF90}			
24-5-A	11/01/2022 14:00 - 14:15	56.1	58.3	42.7	58	60	Industrial noise from facility southwest of the measurement location. Peaks in noise level due to passing traffic on the Kells road. Bird song was audible and noise from a car idling nearby was audible during the first measurement.
	11/01/2022 15:00 - 15:15	56.4	59.6	39.6			
	11/01/2022 16:00 - 16:15	56.4	58.9	40.7			
24-5-B	11/01/2022 14:00 - 14:15	63.1	65.7	49.7	64	65	Road Traffic Noise from the N2 dominates. Noise from activity within the village and bird song were audible.
	11/01/2022 15:00 - 15:15	61.6	65.2	51.9			
	11/01/2022 16:00 - 16:15	60.8	64.0	52.5			
24-5-C	11/01/2022 14:28 - 14:43	53.8	56.8	45.0	54	56	Peaks in noise level due to passing traffic on the R168. Bird song, occasional activity at residences and dogs barking (intermittent) were audible.
	11/01/2022 15:28 - 15:43	50.9	54.7	44.0			
	11/01/2022 16:26 - 16:41	52.0	54.7	45.2			
24-5-D	11/01/2022 14:18 - 14:33	71.4	76.0	48.9	75	74	Road traffic noise from the N2 dominates. Bird song was audible. Noise from a nearby stream to the south was audible during breaks in the traffic.
	11/01/2022 15:19 - 15:34	72.0	76.2	51.5			
	11/01/2022 16:19 - 16:34	71.0	75.6	52.8			
24-5-E	11/01/2022 14:37 - 14:52	67.8	73.1	46.7	75	74	Road traffic noise from the N2 dominates. When noise from passing vehicles subside, distant road traffic noise was audible. As the survey progressed the traffic volumes increased from intermittent to almost constant.
	11/01/2022 15:40 - 15:55	72.3	76.8	58.5			
	11/01/2022 16:39 - 16:54	72.6	76.8	59.0			