



Appendix 12.5 Noise Monitoring Results

Monitoring Location 1 – North of the site, adjacent to properties on Schooner Drive, approximately 175m from the A4234 and 95m from Schooner Way						
Time	L _{Aeq} (dB)	L _{A min} (dB)	L _{A max} (dB)	L _{A90} (dB)	L _{A10} (dB)	Comments
19/07/2021 – Daytime						
1800-1900	52.6	49.1	75.0	50.6	53.2	Distant traffic noise from A4234 and surrounding road network. Birdsong
1900-2000	52.1	49.3	67.0	50.4	52.7	
2000-2100	52.7	49.5	68.0	50.4	53.2	
2100-2200	51.8	49.5	60.8	50.3	52.7	
2200-2300	51.5	49.6	65.3	50.2	52.2	
19-20/07/2021 – Night-time						
2300-2315	50.9	49.4	55.1	50.0	51.7	Distant traffic noise from the A4234 and surrounding road network
2315-2330	51.3	49.6	59.9	50.2	52.1	
2330-2345	51.0	49.8	53.4	50.1	51.8	
2345-0000	51.2	49.5	59.1	50.1	51.9	
0000-0015	50.8	49.6	54.6	50.0	51.4	
0015-0030	50.9	49.5	59.2	50.1	51.4	
0030-0045	50.7	49.6	53.4	50.0	51.2	
0045-0100	50.9	49.9	55.9	50.2	51.3	
0100-0115	50.5	49.7	55.2	49.9	51.0	
0115-0130	50.6	49.4	59.8	49.8	51.2	
0130-0145	50.2	49.3	52.1	49.6	50.6	
0145-0200	50.5	49.6	54.3	49.9	50.9	
0200-0215	50.9	49.7	54.7	50.1	51.4	
0215-0230	50.8	49.6	52.8	50.1	51.3	
0230-0245	50.7	49.9	52.5	50.1	51.1	
0245-0300	50.5	49.5	52.6	49.9	50.9	
0300-0315	50.3	49.3	57.0	49.8	50.6	
0315-0330	50.8	49.4	58.4	50.0	51.0	
0330-0345	51.1	50.1	57.8	50.3	51.7	
0345-0400	50.8	49.8	57.5	50.1	51.1	
0400-0415	50.8	49.6	61.0	50.0	51.2	
0415-0430	51.0	50.0	57.4	50.4	51.5	
0430-0445	51.7	50.4	59.2	50.7	52.7	
0445-0500	51.7	50.5	58.1	50.8	52.3	
0500-0515	51.9	50.0	60.4	50.6	52.4	
0515-0530	52.9	50.1	64.0	50.4	53.5	
0530-0545	51.4	50.2	58.0	50.5	52.2	
0545-0600	51.6	49.9	55.4	50.5	52.6	
0600-0615	51.6	50.1	60.0	50.4	52.5	



0615-0630	51.9	50.3	56.1	50.7	52.8	
0645-0645	52.6	50.4	55.8	51.0	53.7	
0645-0700	53.4	50.9	64.1	51.7	54.2	
20/07/2021 – Daytime						
0700-0800	57.6	50.6	81.7	51.8	54.8	Distant traffic noise from A4234 and surrounding road network. Birdsong
0800-0900	54.2	50.4	65.7	52.4	55.1	
0900-1000	54.1	51.1	71.4	52.6	55	
1000-1100	53.7	50.3	65.7	52.2	54.4	
1100-1200	53.6	50.5	68.3	51.9	54.1	
1200-1300	52.6	49.8	66.5	51.1	53.4	
1300-1400	52.4	49.7	62.2	50.8	53.6	
1400-1500	54.5	49.2	78.1	50.8	53.5	

Monitoring Location 2 – West of the site, adjacent to properties on Schooner Way/Lloyd George Avenue, approximately 10m from Schooner Way

Time	L _{Aeq} (dB)	L _{A min} (dB)	L _{A max} (dB)	L _{A90} (dB)	L _{A10} (dB)	Comments
20/07/2021 – Daytime						
1600-1700	50.4	43.4	66.9	45.6	52.4	Intermittent traffic noise from Schooner Way and the surrounding road network. Birdsong
1700-1800	49.4	43.8	59.3	45.7	52.0	
1800-1900	53.8	42.8	82.8	45.4	52.9	
1900-2000	50.9	42.5	80.0	44.5	51.3	
2000-2100	48.6	41.7	60.1	44.1	51.4	
2100-2200	49.1	41.3	70.3	43.4	50.8	
2200-2300	49.3	41.1	73.9	42.5	49.5	
20-21/07/2021 – Night-time						
2300-2315	47.1	42.7	58.6	44.3	49.3	Intermittent traffic noise from Schooner Way and the surrounding road network. Birdsong
2315-2330	45.1	39.9	55.8	41.1	48.1	
2330-2345	50.9	39.3	74.5	40.7	49.1	
2345-0000	44.9	40.5	55.6	41.3	47.4	
0000-0015	44.3	39.8	57.7	40.9	47.0	
0015-0030	44.3	39.0	55.7	39.9	47.1	
0030-0045	48.8	39.0	72.3	40.0	48.2	
0045-0100	43.1	39.1	53.0	40.0	45.0	
0100-0115	43.9	38.9	57.3	39.8	46.5	
0115-0130	42.6	39.0	55.2	39.5	44.2	
0130-0145	42.3	39.5	55.3	39.9	42.8	
0145-0200	41.5	38.6	53.9	39.2	42.7	
0200-0215	41.5	38.2	53.4	38.7	42.8	
0215-0230	42.5	38.1	53.9	39.3	44.7	
0230-0245	41.3	38.5	51.3	39.1	42.2	



0245-0300	40.6	38.5	49.6	39.1	42.0	
0300-0315	41.8	39.1	49.9	39.9	43.3	
0315-0330	41.4	39.2	51.7	39.6	42.2	
0330-0345	41.8	39.2	53.2	39.7	42.4	
0345-0400	40.6	39.1	46.9	39.5	41.5	
0400-0415	44.1	41.4	52.3	42.0	45.4	
0415-0430	44.5	42.0	54.6	42.5	45.4	
0430-0445	47.1	42.3	60.4	43.1	49.0	
0445-0500	46.8	41.4	59.4	42.8	48.6	
0500-0515	46.1	42.6	56.5	43.3	48.0	
0515-0530	45.8	42.9	55.7	43.3	47.1	
0530-0545	45.9	42.7	55.8	43.3	47.8	
0545-0600	46.8	43.0	55.4	43.9	49.1	
0600-0615	46.2	42.4	56.8	43.4	48.0	
0615-0630	47.0	43.1	57.1	44.1	49.5	
0645-0645	48.6	43.8	60.1	44.6	51.4	
0645-0700	48.6	43.4	59.3	45.0	51.4	
21/07/2021 – Daytime						
0700-0800	51.6	44.2	66.4	46.0	54.8	Intermittent traffic noise from Schooner Way and the surrounding road network. Birdsong
0800-0900	52.6	48.2	68.6	49.6	54.3	
0900-1000	53.1	46.4	63.5	49.4	55.4	
1000-1100	52.0	45.5	70.6	47.9	54.1	
1100-1200	52.2	44.6	63.1	47.8	55.2	
1200-1300	51.0	44.1	67.7	47.4	53.1	
1300-1400	51.0	44.9	65.3	47.6	52.9	

Monitoring Location 3 – East of the site, adjacent to properties on Galleon Way, approximately 140m from the A4234						
Time	L_{Aeq} (dB)	L_{A min} (dB)	L_{A max} (dB)	L_{A90} (dB)	L_{A10} (dB)	Comments
19/07/2021 – Daytime						
1800-1900	59.4	55.5	65.4	57.6	60.6	Distant traffic noise from the A4232 and surrounding road network. Birdsong
1900-2000	59.3	55.5	77.5	57.3	60.2	
2000-2100	59.4	55.4	75.1	57.1	60.5	
2100-2200	59.1	54.8	72.0	57.1	60.3	
2200-2300	58.1	55.5	68.7	56.8	59.0	
19-20/07/2021 – Night-time						
2300-2315	57.5	55.4	62.2	56.2	58.5	Distant traffic noise from the A4232 and surrounding road network.
2315-2330	58.4	56.3	68.1	57	59.3	
2330-2345	58.0	56.1	60.6	56.8	59.1	
2345-0000	58.1	55.6	66.1	56.5	59.4	



0000-0015	57.7	55.9	64.3	56.5	58.7		
0015-0030	57.5	56.2	60.5	56.6	58.4		
0030-0045	57.4	55.9	59.8	56.5	58.1		
0045-0100	57.6	56.0	62.8	56.6	58.3		
0100-0115	57.3	55.5	65.5	56.2	58.2		
0115-0130	57.4	55.5	63.0	56.2	58.5		
0130-0145	57.1	55.6	61.7	56.0	57.9		
0145-0200	57.2	55.7	62.9	56.2	58.0		
0200-0215	57.1	55.4	59.8	56.2	57.8		
0215-0230	56.9	55.7	59.2	56.2	57.4		
0230-0245	57.1	55.8	59.1	56.4	57.6		
0245-0300	56.9	55.6	59.5	56.2	57.5		
0300-0315	57.0	55.5	60.6	56.2	57.6		
0315-0330	57.1	55.6	66.5	56.2	57.6		
0330-0345	57.5	56.3	61.0	56.7	58.1		
0345-0400	57.3	56.1	65.7	56.5	57.8		
0400-0415	57.1	55.6	59.2	56.3	57.8		
0415-0430	57.8	56.2	63.1	56.9	58.3		
0430-0445	58.4	56.4	63.1	57.4	59.1		
0445-0500	58.3	56.6	66.7	57.0	59.1		
0500-0515	58.9	56.0	74.1	56.9	59.2		
0515-0530	58.2	56.2	64.9	56.9	59.3		
0530-0545	58.5	56.5	63.9	57.3	59.9		
0545-0600	59.2	56.8	70.1	57.6	60.2		
0600-0615	58.4	56.2	63.1	56.8	59.6		
0615-0630	59.4	56.9	65.8	57.6	60.9		
0645-0645	60.1	56.8	64.6	57.9	61.7		
0645-0700	60.9	57.6	69.4	59.0	62.1		
20/07/2021 – Daytime							
0700-0800	61.3	57.1	66.9	59.1	62.7		Distant traffic noise from the A4232 and surrounding road network. Birdsong
0800-0900	61.6	57.5	68.5	59.6	62.9		
0900-1000	60.8	56.7	69.0	58.9	62.0		
1000-1100	60.4	56.0	68.5	58.5	61.6		
1100-1200	59.9	56.7	70.7	58.3	61.1		
1200-1300	60.3	56.9	68.0	58.6	61.3		
1300-1400	59.6	55.8	67.1	57.8	60.8		
1400-1500	59.7	56.3	71.6	57.9	60.8		



Monitoring Location 4 – Adjacent to proposed dwellings in the south of the site. Approximately 20m from the A4232						
Time	L_{Aeq} (dB)	L_{A min} (dB)	L_{A max} (dB)	L_{A90} (dB)	L_{A10} (dB)	Comments
21/07/2021 – Daytime						
1500-1600	77.2	65.1	105.8	71.8	77.1	Traffic noise from the A4232
1600-1700	75.7	65.2	85.9	72.8	77.2	
1700-1800	75.9	66.9	81.2	72.9	77.6	
1800-1900	75.3	64.0	81.8	71.6	77.3	
1900-2000	74.3	62.7	83.0	69.7	76.8	
2000-2100	72.3	62.0	79.7	67.8	74.7	
2100-2200	71.7	57.4	85.8	66.1	74.3	
2200-2300	71.5	54.3	86.6	64.8	74.4	
21-22/07/2021 – Night-time						
2300-2315	69.4	52.7	76.7	61.4	72.7	Traffic noise from the A4232
2315-2330	69.4	48.1	81.5	57.9	72.6	
2330-2345	69.2	47.2	83.9	58.6	72.2	
2345-0000	68.2	44.8	78.5	52.6	72.1	
0000-0015	67.5	49.9	77.1	58.1	71.4	
0015-0030	66.7	45.1	76.4	48.4	70.9	
0030-0045	65.8	46.2	78.2	49.1	70.0	
0045-0100	64.3	45.8	76.9	48.2	68.4	
0100-0115	64.0	46.8	74.6	49.5	68.4	
0115-0130	64.8	46.4	76.7	48.7	69.1	
0130-0145	63.8	46.1	76.3	47.5	68.4	
0145-0200	60.5	44.7	74.0	46.8	65.1	
0200-0215	62.2	44.8	74.3	46.7	66.9	
0215-0230	62.5	44.8	74.0	46.6	67.5	
0230-0245	63.6	44.7	73.4	46.4	68.2	
0245-0300	64.9	46.2	77.0	48.4	69.3	
0300-0315	62.6	45.2	76.8	46.7	67.3	
0315-0330	61.9	44.2	75.2	46.5	66.3	
0330-0345	63.6	45.2	74.9	48.0	67.7	
0345-0400	62.7	44.9	74.0	46.7	67.6	
0400-0415	64.0	45.0	76.0	46.6	69.1	
0415-0430	66.4	46.0	83.3	48.3	70.2	
0430-0445	66.5	46.5	75.2	51.5	70.6	
0445-0500	67.0	48.4	76.3	54.8	71.0	
0500-0515	68.1	48.0	77.1	54.8	71.9	
0515-0530	69.8	53.1	77.7	59.4	73.4	
0530-0545	71.1	51.0	78.7	59.8	74.3	



0545-0600	72.0	58.6	77.9	65.7	74.7	
0600-0615	71.6	55.2	79.0	64.2	74.9	
0615-0630	73.2	59.5	80.4	67.6	75.8	
0645-0645	75.1	65.2	79.4	70.9	77.4	
0645-0700	75.2	65.1	79.7	70.6	77.4	
22/07/2021 – Daytime						
0700-0800	75.9	64.1	86.3	72.2	77.9	Traffic noise from the A4232
0800-0900	76.0	65.4	85.8	72.8	77.8	
0900-1000	75.2	66.5	82.7	71.6	77.1	
1000-1100	74.8	64.7	89.6	70.8	76.7	
1100-1200	74.8	62.9	80.1	71.1	76.8	
1200-1300	75.0	66.1	85.7	71.5	76.9	

Appendix 12.5 - Noise Monitoring Results

Average L90 Data

	ML1	ML2	ML3	ML4
Start	19/07/2021 18:00	20/07/2021 16:00	19/07/2021 18:00	21/07/2021 15:00
End	19/07/2021 23:00	20/07/2021 23:00	19/07/2021 23:00	21/07/2021 22:00
LA90	50.3	44.0	57.1	69.4
Oct 63Hz	53.5	56.0	66.0	54.2
Oct 125Hz	53.3	46.9	61.5	52
Start	20/07/2021 07:00	21/07/2021 07:00	20/07/2021 07:00	20/07/2021 22:00
End	20/07/2021 15:00	21/07/2021 14:00	20/07/2021 15:00	20/07/2021 23:00
LA90	51.4	40.2	58.4	64.9
Oct 63Hz	53.1	58.9	65.5	50.8
Oct 125Hz	52.9	49.3	61.2	49.1
Daytime L90				
Start				22/07/2021 07:00
End				22/07/2021 13:00
LA90				71.6
Oct 63Hz				56.3
Oct 125Hz				53.6
Average				
LA90	50.9	42.1	57.8	68.6
Oct 63Hz	53.3	57.5	65.8	53.8
Oct 125Hz	53.1	48.1	61.4	51.6
Start	19/07/2021 23:00	20/07/2021 23:00	19/07/2021 23:00	21/07/2021 23:00
End	20/07/2021 00:00	21/07/2021 00:00	20/07/2021 00:00	22/07/2021 00:00
LA90	50.1	41.2	56.6	57.7
Oct 63Hz	53.8	54.6	66.4	47.8
Oct 125Hz	53.9	44.8	61.6	45.9
Start	20/07/2021 00:00	21/07/2021 00:00	20/07/2021 00:00	22/07/2021 00:00
End	20/07/2021 07:00	21/07/2021 07:00	20/07/2021 07:00	22/07/2021 07:00
LA90	50.1	39.7	56.4	48.1
Oct 63Hz	54.1	53.4	66.2	46.1
Oct 125Hz	54.3	44.3	61.8	44.8
Night-time L90				
Average				
LA90	50.1	40.5	56.5	52.9
Oct 63Hz	54.0	54.0	66.3	47.0
Oct 125Hz	54.1	44.6	61.7	45.4