

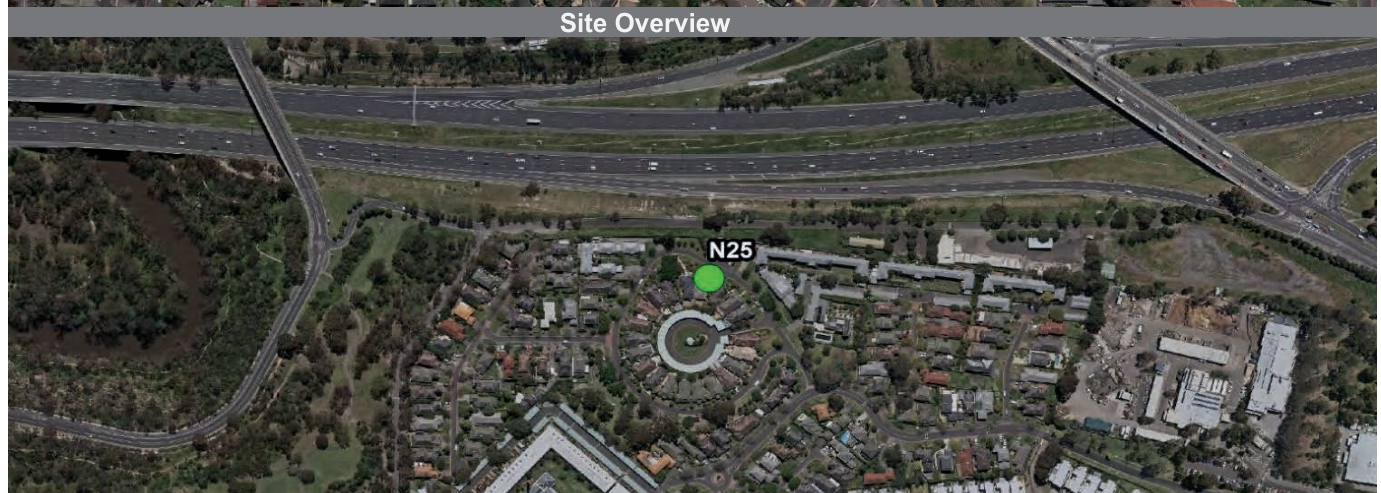
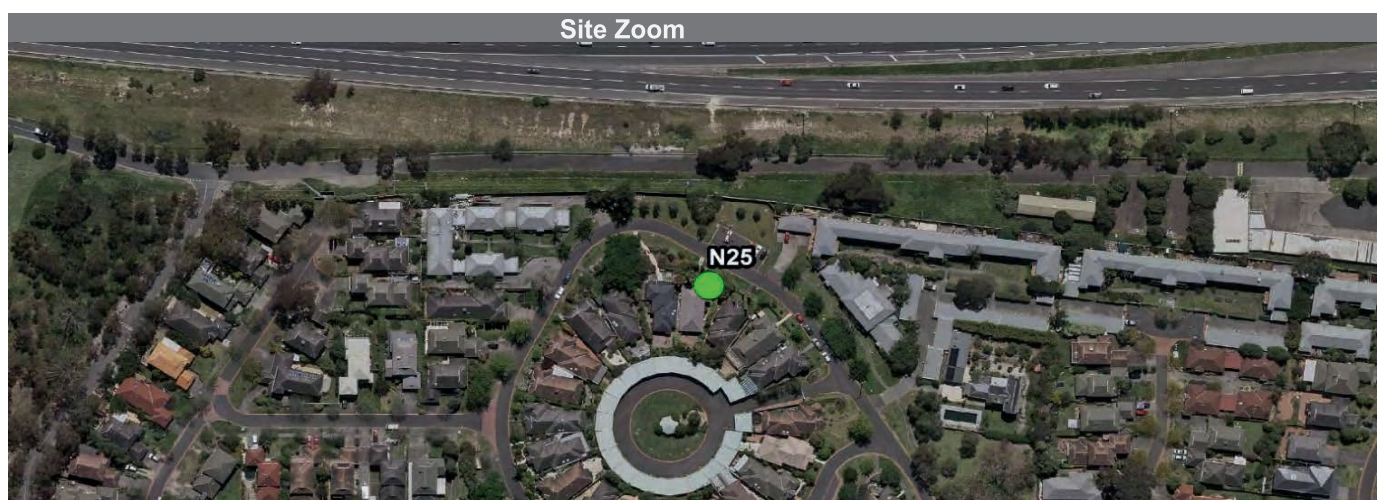
Noise Monitoring Data Sheet

10 Vaughan Cr, Kew

SITE ID
25

Dominant Road	Eastern Freeway	From	21/04/2018	Address	10 Vaughan Cr
18-hr Traffic Flow	-	To	29/04/2018	Suburb	Kew
Road Surface	Stone Seal	Mic. Height (m)	2.2	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 1'27.61"E
Distance to Road (m)	85	Inst. Serial #	1273093	Latitude	37°47'32.89"S
% of H.V.	-	Operator	MV	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	21/04	22/04	23/04	24/04	26/04	27/04	28/04
L _{10,18hr} , Arith Av, 6-24h	57	57 dBA	55 dBA	60 dBA	59 dBA	56 dBA	56 dBA	57 dBA
L _{eq,15hr} , Log Av, 7-22h	57	55 dBA	54 dBA	59 dBA	59 dBA	55 dBA	56 dBA	56 dBA
L _{eq,16hr} , Log Av, 6-22h	57	55 dBA	54 dBA	59 dBA	59 dBA	56 dBA	56 dBA	56 dBA
L _{eq,8hr} , Log Av, 22-6h	53	52 dBA	53 dBA	51 dBA	56 dBA	53 dBA	52 dBA	51 dBA
L _{eq,9hr} , Log Av, 22-7h	54	53 dBA	53 dBA	53 dBA	57 dBA	54 dBA	53 dBA	52 dBA

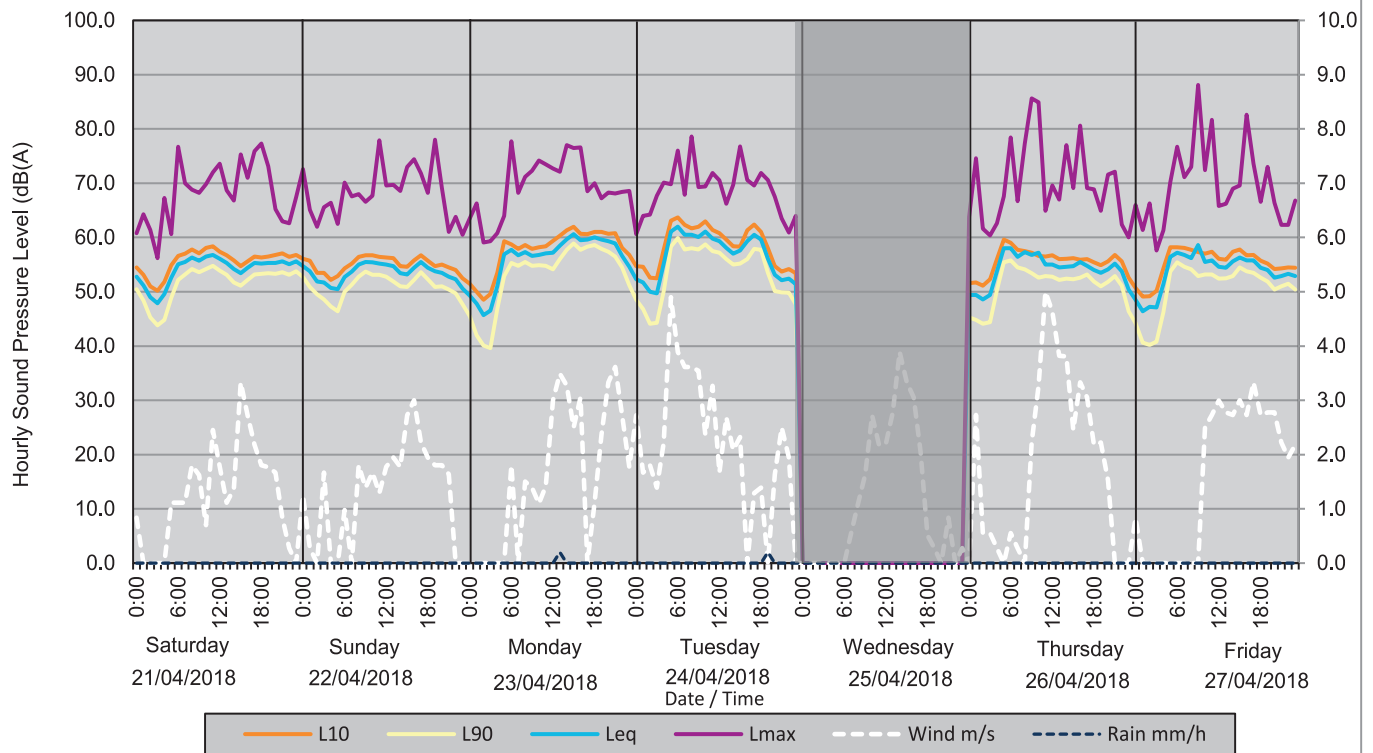


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Saturday 21/04/2018							Sunday 22/04/2018							Monday 23/04/2018							Tuesday 24/04/2018							Wednesday 25/04/2018							Thursday 26/04/2018							Friday 27/04/2018						
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	55	51	53	61	WSW	0.8	0.0	56	53	55	73	W	1.3	0.0	52	46	49	64	N	0.0	0.0	55	49	52	61	ENE	2.7	0.0				N	0.0	0.0	52	45	49	64	N	0.0	0.0	51	44	49	66	SSW	0.8	0.0	
1:00	53	48	51	64	N	0.0	0.0	56	51	54	65	W	0.3	0.0	50	42	48	66	N	0.0	0.0	55	47	52	64	NE	1.7	0.0				N	0.0	0.0	52	45	49	75	WNW	2.7	0.0	49	41	46	61	N	0.0	0.0	
2:00	51	45	49	61	N	0.0	0.0	54	50	52	62	N	0.0	0.0	49	40	46	59	N	0.0	0.0	53	44	50	64	NNE	1.8	0.0				N	0.0	0.0	51	44	49	62	NW	0.6	0.0	49	40	47	66	N	0.0	0.0	
3:00	50	44	48	56	N	0.0	0.0	54	49	52	66	W	1.7	0.0	50	40	47	59	N	0.0	0.0	53	44	50	68	NE	1.4	0.0				N	0.0	0.0	52	44	49	60	NW	0.6	0.0	50	41	47	58	N	0.0	0.0	
4:00	52	45	50	67	N	0.0	0.0	52	47	51	66	N	0.0	0.0	54	47	51	61	N	0.0	0.0	58	50	55	70	NE	2.2	0.0				N	0.0	0.0	56	50	54	63	NW	0.3	0.0	54	46	51	61	N	0.0	0.0	
5:00	55	49	53	61	WSW	1.1	0.0	53	46	51	63	N	0.0	0.0	59	53	57	64	N	0.0	0.0	63	58	61	70	NNE	4.9	0.0				N	0.0	0.0	60	55	58	68	N	0.0	0.0	58	54	56	70	N	0.0	0.0	
6:00	57	52	55	77	WSW	1.1	0.0	54	50	53	70	NNE	1.0	0.0	59	55	58	78	NW	1.8	0.0	64	60	62	76	N	3.9	0.0				N	0.0	0.0	59	56	58	78	NNW	0.6	0.0	58	55	57	77	N	0.0	0.0	
7:00	57	53	56	70	WSW	1.1	0.0	55	51	54	68	N	0.0	0.0	58	55	57	68	N	0.0	0.0	62	58	61	68	NNE	3.6	0.0				WSW	0.6	0.0	58	55	56	67	NW	0.3	0.0	58	55	57	71	N	0.0	0.0	
8:00	58	54	56	69	WSW	1.8	0.0	56	53	55	68	ENE	1.8	0.0	59	56	57	71	S	1.5	0.0	62	58	61	79	NNE	3.6	0.0				SW	1.1	0.0	58	54	57	77	N	0.0	0.0	58	54	56	73	N	0.0	0.0	
9:00	57	54	56	68	W	1.6	0.0	57	54	56	67	ENE	1.4	0.0	58	55	57	72	SE	1.4	0.0	62	58	60	69	NNE	3.5	0.0				SW	1.6	0.0	57	53	57	86	WSW	2.2	0.0	57	53	59	88	N	0.0	0.0	
10:00	58	54	57	70	NNE	0.7	0.0	57	53	55	68	ENE	1.7	0.0	58	55	57	74	SE	1.1	0.0	63	59	61	69	NNE	2.4	0.0				WSW	2.7	0.0	57	53	57	85	WSW	3.3	0.0	57	53	56	72	SSE	2.5	0.0	
11:00	58	55	57	72	NE	2.5	0.0	56	53	55	78	SE	1.3	0.0	58	55	57	74	E	1.4	0.0	61	58	60	72	NNE	3.3	0.0				WSW	2.2	0.0	57	53	55	65	SW	5.0	0.0	57	53	56	82	S	2.7	0.0	
12:00	57	54	56	74	NNE	1.8	0.0	56	53	55	70	ESE	1.8	0.0	59	54	57	73	NNE	3.0	0.0	61	57	59	71	NNE	1.7	0.0				SW	2.2	0.0	57	53	55	70	SW	4.6	0.0	56	52	55	66	SSE	3.0	0.0	
13:00	57	53	55	69	NE	1.1	0.0	56	52	55	70	SSW	1.9	0.0	60	56	59	72	N	3.5	0.2	60	56	58	66	N	2.7	0.0				SW	2.8	0.0	56	52	55	67	SSW	3.8	0.0	56	53	54	66	SSE	2.8	0.0	
14:00	56	52	54	67	S	1.4	0.0	55	51	53	69	SW	1.8	0.0	61	58	60	77	NNW	3.3	0.0	58	55	57	70	WNW	2.1	0.0				SSW	3.9	0.0	56	52	55	77	SSW	3.8	0.0	57	53	56	69	S	2.7	0.0	
15:00	55	51	53	75	SW	3.3	0.0	55	51	53	73	SSW	2.7	0.0	62	59	61	77	N	2.5	0.0	58	55	58	77	WSW	2.3	0.0				SW	3.3	0.0	56	52	55	69	SSW	2.5	0.0	58	55	56	70	S	3.0	0.0	
16:00	56	52	54	71	WSW	2.7	0.0	56	52	54	74	SSW	3.0	0.0	61	58	60	77	N	3.1	0.0	61	56	59	71	N	0.0	0.0				SW	3.1	0.0	56	53	56	81	S	3.3	0.0	57	54	56	83	S	2.7	0.0	
17:00	57	53	55	76	SW	2.2	0.0	57	54	56	72	SW	2.2	0.0	61	58	60	69	N	0.0	0.0	62	58	61	70	NE	1.3	0.0				SSW	2.0	0.0	56	53	55	69	S	3.1	0.0	57	54	56	74	S	3.3	0.0	
18:00	56	53	55	77	SW	1.8	0.0	56	52	54	68	SW	1.9	0.0	61	59	60	70	NE	1.1	0.0	61	58	60	72	NE	1.4	0.0				S	0.5	0.0	55	52	54	69	SSW	2.2	0.0	56	53	54	67	S	2.7	0.0	
19:00	57	53	55	73	WSW	1.8	0.0	55	51	54	78	WSW	1.8	0.0	61	58	60	67	ENE	2.4	0.0	58	54	56	71	N	0.0	0.2				SE	0.3	0.0	55	51	54	65	S	2.2	0.0	55	52	54	73	S	2.8	0.0	
20:00	57	53	55	65	W	1.7	0.0	55	51	54	69	WSW	1.8	0.0	61	57	59	68	ENE	3.3	0.0	55	50	53	68	SW	1.6	0.0				N	0.0	0.0	56	52	54	72	S	1.5	0.0	54	50	53	66	S	2.8	0.0	
21:00	57	54	56	63	W	0.8	0.0	55	50	53	61	W	1.6	0.0	61	57	59	68	ENE	3.6	0.0	54	50	52	64	SW	2.5	0.0				ESE	0.8	0.0	57	53	55	72	N	0.0	0.0	54	51	53	62	S	2.2	0.0	
22:00	56	53	55	63	W	0.3	0.0	54	50	52	64	N	0.0	0.0	58	55	57	68	ENE	2.7	0.0	54	50	52	61	WSW	1.9	0.0				N	0.0	0.0	56	51	54	62	N	0.0	0.0	55	52	53	62	SW	1.9	0.0	
23:00	57	54	56	67	N	0.0	0.0	53	48	51	61	N	0.0	0.0	57	51	55	69	NE	1.8	0.0	53	48	51	64	N	0.0	0.0				ESE	0.3	0.0	53	46	50	60	N	0.0	0.0	54	50	53	67	SSW	2.2	0.0	
L ₁₀ , 18hr, 6-24h	57							55							60																																		
L _{eq} , 15hr, 7-22h		55							54							59								59																									
L _{eq} , 9hr, 22-7h		53							53							53								57																									
L _{eq} , 16hr, 6-22h		55							54							59								59																									
L _{eq} , 8hr, 22-6h		52							53							51								56																									
L _{max} , 24h			77							78							78								79																								
Adverse Weather Count	0							0							0							0							24							0							0						

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

32 Kilby Road, Kew East

SITE ID
27

Dominant Road	Eastern Freeway	From	18/04/2018	Address	32 Kilby Road
18-hr Traffic Flow	-	To	26/04/2018	Suburb	Kew East
Road Surface	Stone Seal	Mic. Height (m)	2.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 2'42.75"E
Distance to Road (m)	60	Inst. Serial #	865769	Latitude	37°47'29.47"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	18/04	19/04	20/04	21/04	22/04	23/04	24/04
L _{10,18hr} , Arith Av, 6-24h	64	64 dBA	64 dBA	64 dBA	64 dBA	63 dBA	64 dBA	66 dBA
L _{eq,15hr} , Log Av, 7-22h	63	63 dBA	63 dBA	62 dBA	62 dBA	61 dBA	63 dBA	65 dBA
L _{eq,16hr} , Log Av, 6-22h	63	63 dBA	63 dBA	62 dBA	62 dBA	61 dBA	63 dBA	65 dBA
L _{eq,8hr} , Log Av, 22-6h	58	58 dBA	57 dBA	58 dBA	59 dBA	58 dBA	56 dBA	59 dBA
L _{eq,9hr} , Log Av, 22-7h	59	59 dBA	59 dBA	59 dBA	59 dBA	58 dBA	58 dBA	60 dBA

Site Zoom



Site Overview

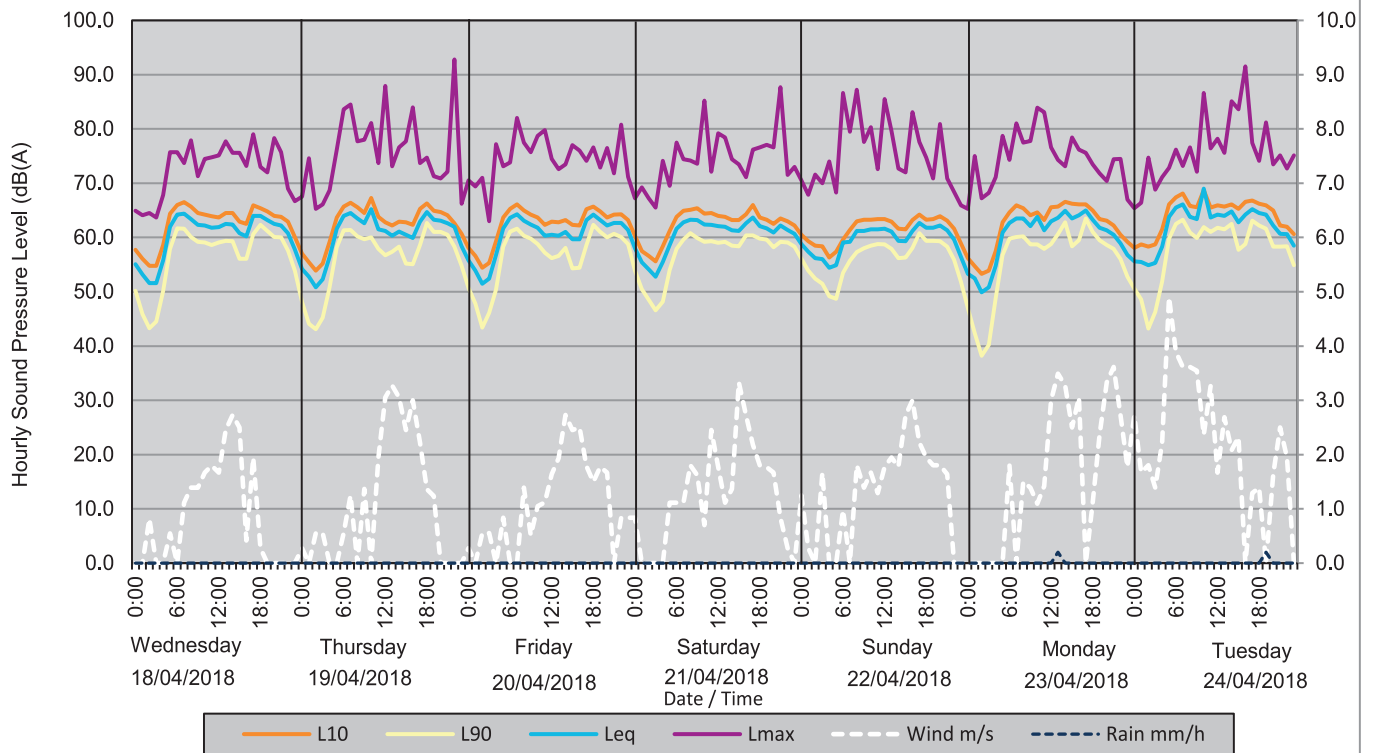


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Wednesday 18/04/2018							Thursday 19/04/2018							Friday 20/04/2018							Saturday 21/04/2018							Sunday 22/04/2018							Monday 23/04/2018							Tuesday 24/04/2018						
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	58	50	55	65	N	0.0	0.0	57	48	54	68	W	0.3	0.0	58	51	56	71	N	0.3	0.0	60	54	58	67	WSW	0.8	0.0	61	56	59	71	W	1.3	0.0	56	47	53	65	N	0.0	0.0	58	51	56	65	ENE	2.7	0.0
1:00	56	46	53	64	N	0.0	0.0	55	44	53	75	N	0.0	0.0	57	48	54	69	N	0.0	0.0	58	51	55	69	N	0.0	0.0	59	54	57	68	W	0.3	0.0	55	42	53	75	N	0.0	0.0	59	49	56	66	NE	1.7	0.0
2:00	55	43	52	65	S	0.8	0.0	54	43	51	65	W	0.6	0.0	54	43	52	71	N	0.6	0.0	57	49	54	67	N	0.0	0.0	59	52	56	72	N	0.0	0.0	53	38	50	67	N	0.0	0.0	58	43	55	75	NNE	1.8	0.0
3:00	55	45	52	64	N	0.0	0.0	55	45	52	66	W	0.6	0.0	55	46	52	63	NNE	0.6	0.0	56	47	53	66	N	0.0	0.0	58	52	56	70	W	1.7	0.0	54	40	51	68	N	0.0	0.0	59	46	55	69	NE	1.4	0.0
4:00	59	50	56	68	N	0.0	0.0	59	51	56	69	N	0.0	0.0	59	50	57	77	N	0.0	0.0	58	48	56	74	N	0.0	0.0	56	49	54	74	N	0.0	0.0	58	49	55	71	N	0.0	0.0	62	52	58	71	NE	2.2	0.0
5:00	64	58	62	76	S	0.5	0.0	64	58	62	76	N	0.0	0.0	64	58	62	73	N	0.8	0.0	61	54	59	70	WSW	1.1	0.0	57	49	55	68	N	0.0	0.0	63	57	61	79	N	0.0	0.0	66	60	64	73	NNE	4.9	0.0
6:00	66	62	64	76	N	0.0	0.0	66	61	64	84	W	0.6	0.0	65	61	64	74	N	0.0	0.0	64	58	62	78	WSW	1.1	0.0	60	54	59	87	NNE	1.0	0.0	65	60	63	74	NW	1.8	0.0	67	63	66	76	N	3.9	0.0
7:00	67	62	64	74	SSE	1.1	0.0	66	61	65	85	W	1.3	0.0	66	62	64	82	N	0.0	0.0	65	60	63	74	WSW	1.1	0.0	61	56	59	80	N	0.0	0.0	66	60	64	81	N	0.0	0.0	68	63	66	73	NNE	3.6	0.0
8:00	66	60	63	78	SSE	1.4	0.0	66	60	64	78	N	0.0	0.0	65	60	63	78	NE	1.4	0.0	65	61	63	74	WSW	1.8	0.0	63	57	61	87	ENE	1.8	0.0	65	60	64	78	S	1.5	0.0	66	61	64	77	NNE	3.6	0.0
9:00	65	59	62	71	SE	1.4	0.0	65	60	63	78	SSW	1.4	0.0	64	60	62	76	NE	0.5	0.0	65	60	63	74	W	1.6	0.0	63	58	61	78	ENE	1.4	0.0	64	59	62	78	SE	1.4	0.0	66	60	63	72	NNE	3.5	0.0
10:00	64	59	62	75	SE	1.7	0.0	67	60	65	81	N	0.0	0.0	64	59	62	79	NW	1.0	0.0	64	59	62	85	NNE	0.7	0.0	63	59	62	80	ENE	1.7	0.0	65	59	64	84	SE	1.1	0.0	69	62	69	87	NNE	2.4	0.0
11:00	64	59	62	75	ESE	1.8	0.0	64	58	62	74	SW	1.9	0.0	62	57	60	80	S	1.1	0.0	65	59	62	72	NE	2.5	0.0	63	59	62	73	SE	1.3	0.0	63	58	61	83	E	1.4	0.0	66	61	64	76	NNE	3.3	0.0
12:00	64	59	62	75	E	1.7	0.0	63	57	61	88	SSW	3.1	0.0	63	56	61	75	SW	1.6	0.0	64	59	62	79	NNE	1.8	0.0	63	59	62	86	ESE	1.8	0.0	66	59	63	77	NNE	3.0	0.0	66	62	64	78	NNE	1.7	0.0
13:00	65	59	63	78	NNE	2.4	0.0	62	57	60	73	SSW	3.3	0.0	63	57	60	73	SSW	1.9	0.0	64	59	62	78	NE	1.1	0.0	63	58	61	80	SSW	1.9	0.0	66	61	64	74	N	3.5	0.2	66	62	64	76	N	2.7	0.0
14:00	65	59	62	76	N	2.7	0.0	63	58	61	77	SW	3.1	0.0	63	58	61	74	SSW	2.7	0.0	63	59	61	74	S	1.4	0.0	62	56	59	73	SW	1.8	0.0	67	63	65	73	NNW	3.3	0.0	66	63	65	85	WNNW	2.1	0.0
15:00	63	56	61	76	N	2.5	0.0	63	55	61	78	SW	2.5	0.0	62	54	60	77	S	2.4	0.0	63	58	61	74	SW	3.3	0.0	62	56	59	72	SSW	2.7	0.0	66	58	64	78	N	2.5	0.0	65	58	63	84	WSW	2.3	0.0
16:00	63	56	60	73	SSW	0.4	0.0	62	55	60	84	SW	3.0	0.0	62	54	60	76	S	2.5	0.0	64	60	63	71	WSW	2.7	0.0	63	58	61	83	SSW	3.0	0.0	66	60	64	76	N	3.1	0.0	67	59	64	92	N	0.0	0.0
17:00	66	61	64	79	WSW	1.9	0.0	65	59	63	74	SSW	2.2	0.0	65	59	63	74	S	1.8	0.0	66	60	64	76	SW	2.2	0.0	64	61	63	78	SW	2.2	0.0	66	64	65	76	N	0.0	0.0	67	63	65	77	NE	1.3	0.0
18:00	65	62	64	73	W	0.3	0.0	66	63	65	75	SSW	1.4	0.0	66	62	64	77	SSW	1.5	0.0	64	60	62	77	SW	1.8	0.0	63	59	62	75	SW	1.9	0.0	65	61	63	74	NE	1.1	0.0	66	62	65	74	NE	1.4	0.0
19:00	65	61	63	72	N	0.0	0.0	65	61	63	71	SW	1.2	0.0	65	61	63	73	SW	1.8	0.0	63	60	62	77	WSW	1.8	0.0	63	59	62	71	WSW	1.8	0.0	63	60	62	72	ENE	2.4	0.0	66	62	64	81	N	0.0	0.2
20:00	64	60	63	78	N	0.0	0.0	65	61	63	71	N	0.0	0.0	64	60	62	77	SW	1.7	0.0	63	58	61	77	W	1.7	0.0	64	59	62	81	WSW	1.8	0.0	63	59	61	70	ENE	3.3	0.0	65	58	62	74	SW	1.6	0.0
21:00	64	60	62	76	N	0.0	0.0	64	61	63	72	N	0.0	0.0	64	61	63	72	N	0.0	0.0	64	59	62	88	W	0.8	0.0	63	58	61	71	W	1.6	0.0	62	58	61	74	ENE	3.6	0.0	62	58	61	75	SW	2.5	0.0
22:00	63	58	61	69	N	0.0	0.0	63	58	62	93	N	0.0	0.0	64	60	63	81	SW	0.8	0.0	63	59	61	72	W	0.3	0.0	62	56	60	68	N	0.0	0.0	61	56	59	75	ENE	2.7	0.0	62	58	61	73	WSW	1.9	0.0
23:00	60	54	58	67	N	0.0	0.0	61	55	58	66	N	0.0	0.0	63	59	61	71	WSW	0.8	0.0	62	58	61	73	N	0.0	0.0	59	52	56	66	N	0.0	0.0	59	53	57	67	NE	1.8	0.0	61	55	59	75	N	0.0	0.0
L ₁₀ , 18hr, 6-24h	64							64							64														63																				
L _{eq} , 15hr, 7-22h		63							63							62														61																			
L _{eq} , 9hr, 22-7h		59							59							59														58																			
L _{eq} , 16hr, 6-22h		63							63							62														61																			
L _{eq} , 8hr, 22-6h		58							57							58														59																			
L _{max} , 24h			79							93							82														88																		
Adverse Weather Count	0							0							0							0							0							0													

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

20 Willow Gr, Kew East

SITE ID

28

Dominant Road	Eastern Freeway	From	18/04/2018	Address	20 Willow Gr
18-hr Traffic Flow	-	To	26/04/2018	Suburb	Kew East
Road Surface	Stone Seal	Mic. Height (m)	1.8	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 2'45.80"E
Distance to Road (m)	60	Inst. Serial #	465445	Latitude	37°47'24.31"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	18/04	19/04	20/04	21/04	22/04	23/04	24/04
L _{10,18hr} , Arith Av, 6-24h	62	63 dBA	63 dBA	63 dBA	63 dBA	62 dBA	61 dBA	62 dBA
L _{eq,15hr} , Log Av, 7-22h	61	62 dBA	62 dBA	61 dBA	61 dBA	61 dBA	60 dBA	61 dBA
L _{eq,16hr} , Log Av, 6-22h	61	62 dBA	62 dBA	61 dBA	61 dBA	61 dBA	60 dBA	61 dBA
L _{eq,8hr} , Log Av, 22-6h	57	57 dBA	57 dBA	58 dBA	58 dBA	58 dBA	56 dBA	56 dBA
L _{eq,9hr} , Log Av, 22-7h	58	58 dBA	58 dBA	59 dBA	58 dBA	58 dBA	56 dBA	57 dBA

Site Zoom



Site Overview

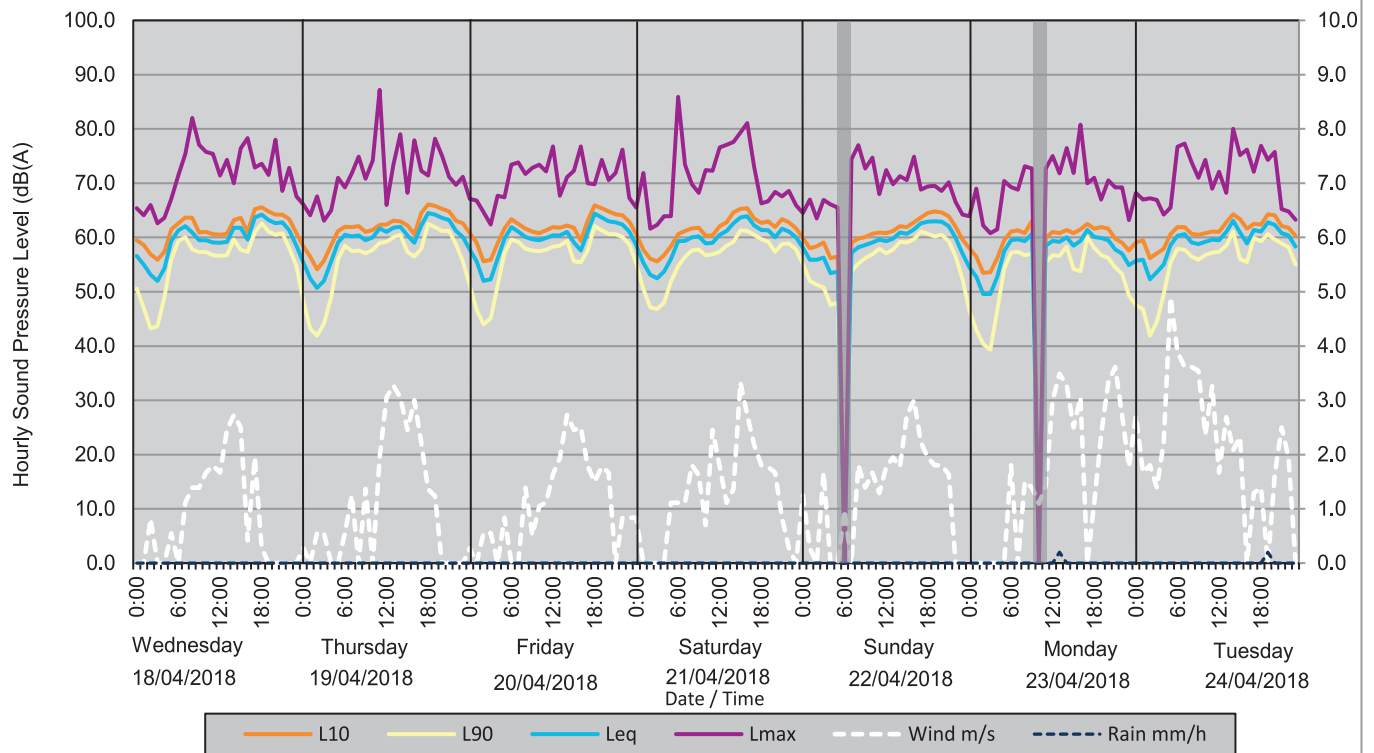


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Wednesday 18/04/2018							Thursday 19/04/2018							Friday 20/04/2018							Saturday 21/04/2018							Sunday 22/04/2018							Monday 23/04/2018							Tuesday 24/04/2018						
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	60	51	57	65	N	0.0	0.0	58	48	55	66	W	0.3	0.0	61	51	58	67	N	0.3	0.0	61	55	59	66	WSW	0.8	0.0	60	55	58	65	W	1.3	0.0	58	47	55	64	N	0.0	0.0	59	48	56	68	ENE	2.7	0.0
1:00	59	47	55	64	N	0.0	0.0	57	43	53	64	N	0.0	0.0	59	47	56	67	N	0.0	0.0	58	51	55	72	N	0.0	0.0	58	52	56	67	W	0.3	0.0	57	43	53	69	N	0.0	0.0	60	47	56	67	NE	1.7	0.0
2:00	57	43	53	66	S	0.8	0.0	54	42	51	68	W	0.6	0.0	56	44	52	65	N	0.6	0.0	56	47	53	62	N	0.0	0.0	58	51	56	64	N	0.0	0.0	54	40	50	62	N	0.0	0.0	56	42	52	67	NNE	1.8	0.0
3:00	56	44	52	63	N	0.0	0.0	56	44	52	63	W	0.6	0.0	56	45	52	62	NNE	0.6	0.0	56	47	53	62	N	0.0	0.0	59	51	56	67	W	1.7	0.0	54	39	50	61	N	0.0	0.0	57	44	54	67	NE	1.4	0.0
4:00	57	49	54	64	N	0.0	0.0	59	49	56	65	N	0.0	0.0	59	51	56	68	N	0.0	0.0	57	48	54	64	N	0.0	0.0	56	48	53	66	N	0.0	0.0	56	47	53	62	N	0.0	0.0	58	50	55	64	NE	2.2	0.0
5:00	62	56	59	67	S	0.5	0.0	61	56	59	71	N	0.0	0.0	62	57	60	67	N	0.8	0.0	58	52	56	64	WSW	1.1	0.0	57	48	54	66	N	0.0	0.0	60	54	58	70	N	0.0	0.0	61	55	59	66	NNE	4.9	0.0
6:00	63	59	61	72	N	0.0	0.0	62	59	61	69	W	0.6	0.0	63	60	62	73	N	0.0	0.0	61	55	59	86	WSW	1.1	0.0					NNE	1.0	0.0	61	57	60	69	NW	1.8	0.0	62	58	60	77	N	3.9	0.0
7:00	64	60	62	75	SSE	1.1	0.0	62	58	60	72	W	1.3	0.0	63	59	61	74	N	0.0	0.0	61	56	59	73	WSW	1.1	0.0	59	54	57	74	N	0.0	0.0	61	57	60	69	N	0.0	0.0	62	58	61	77	NNE	3.6	0.0
8:00	64	58	61	82	SSE	1.4	0.0	62	58	60	75	N	0.0	0.0	62	58	60	72	NE	1.4	0.0	62	58	60	70	WSW	1.8	0.0	60	55	58	77	ENE	1.8	0.0	61	57	59	73	S	1.5	0.0	61	57	59	74	NNE	3.6	0.0
9:00	61	57	60	77	SE	1.4	0.0	61	57	60	71	SSW	1.4	0.0	61	58	60	73	NE	0.5	0.0	62	58	60	68	W	1.6	0.0	60	56	59	73	ENE	1.4	0.0	63	57	61	73	SE	1.4	0.0	61	56	59	71	NNE	3.5	0.0
10:00	61	57	60	76	SE	1.7	0.0	61	58	60	74	N	0.0	0.0	61	58	60	73	NW	1.0	0.0	60	57	59	72	NNE	0.7	0.0	61	57	59	75	ENE	1.7	0.0					SE	1.1	0.0	61	57	59	74	NNE	2.4	0.0
11:00	61	57	59	75	ESE	1.8	0.0	62	59	62	87	SW	1.9	0.0	61	58	60	72	S	1.1	0.0	60	57	59	72	NE	2.5	0.0	61	58	60	68	SE	1.3	0.0	60	55	59	73	E	1.4	0.0	61	57	60	69	NNE	3.3	0.0
12:00	61	57	59	71	E	1.7	0.0	62	59	61	66	SSW	3.1	0.0	62	58	60	77	SW	1.6	0.0	62	57	61	77	NNE	1.8	0.0	61	57	59	72	ESE	1.8	0.0	61	57	59	75	NNE	3.0	0.0	61	57	60	72	NNE	1.7	0.0
13:00	61	57	59	74	NNE	2.4	0.0	63	60	62	73	SSW	3.3	0.0	62	59	60	68	SSW	1.9	0.0	63	59	61	77	NE	1.1	0.0	61	58	60	70	SSW	1.9	0.0	61	57	59	72	N	3.5	0.2	63	59	61	68	N	2.7	0.0
14:00	63	60	62	70	N	2.7	0.0	63	61	62	79	SW	3.1	0.0	62	59	61	71	SSW	2.7	0.0	65	59	63	78	S	1.4	0.0	62	59	61	71	SW	1.8	0.0	61	58	60	77	NNW	3.3	0.0	64	61	63	80	WNW	2.1	0.0
15:00	64	58	62	76	N	2.5	0.0	62	57	60	68	SW	2.5	0.0	62	56	59	72	S	2.4	0.0	65	61	64	79	SW	3.3	0.0	62	59	61	71	SSW	2.7	0.0	61	54	59	72	N	2.5	0.0	63	56	61	75	WSW	2.3	0.0
16:00	61	57	60	78	SSW	0.4	0.0	61	57	59	78	SW	3.0	0.0	59	55	58	77	S	2.5	0.0	65	61	64	81	WSW	2.7	0.0	63	60	62	75	SSW	3.0	0.0	62	54	59	81	N	3.1	0.0	62	56	59	76	N	0.0	0.0
17:00	65	61	64	73	WSW	1.9	0.0	65	58	62	72	SSW	2.2	0.0	63	58	61	70	S	1.8	0.0	64	61	62	73	SW	2.2	0.0	64	61	63	69	SW	2.2	0.0	63	60	61	70	N	0.0	0.0	63	60	61	72	NE	1.3	0.0
18:00	66	63	64	74	W	0.3	0.0	66	63	65	71	SSW	1.4	0.0	66	62	64	70	SSW	1.5	0.0	63	60	61	66	SW	1.8	0.0	65	61	63	69	SW	1.9	0.0	62	58	60	71	NE	1.1	0.0	62	59	61	77	NE	1.4	0.0
19:00	65	61	63	72	N	0.0	0.0	66	62	64	78	SW	1.2	0.0	65	61	64	74	SW	1.8	0.0	63	59	61	67	WSW	1.8	0.0	65	60	63	70	WSW	1.8	0.0	62	57	60	67	ENE	2.4	0.0	64	61	63	74	N	0.0	0.2
20:00	64	61	63	78	N	0.0	0.0	65	61	64	75	N	0.0	0.0	65	61	63	71	SW	1.7	0.0	62	57	60	68	W	1.7	0.0	65	61	63	69	WSW	1.8	0.0	62	56	60	71	ENE	3.3	0.0	64	60	62	76	SW	1.6	0.0
21:00	64	61	63	69	N	0.0	0.0	65	61	63	71	N	0.0	0.0	64	61	63	72	N	0.0	0.0	63	59	62	68	W	0.8	0.0	64	59	62	70	W	1.6	0.0	60	55	58	69	ENE	3.6	0.0	62	59	61	65	SW	2.5	0.0
22:00	63	58	61	73	N	0.0	0.0	63	59	61	70	N	0.0	0.0	64	60	62	76	SW	0.8	0.0	63	59	61	69	W	0.3	0.0	62	57	60	67	N	0.0	0.0	59	53	57	69	ENE	2.7	0.0	62	58	60	65	WSW	1.9	0.0
23:00	61	55	59	68	N	0.0	0.0	63	56	60	71	N	0.0	0.0	63	59	61	67	WSW	0.8	0.0	62	58	60	66	N	0.0	0.0	60	52	57	64	N	0.0	0.0	58	49	55	63	NE	1.8	0.0	60	55	58	63	N	0.0	0.0
L ₁₀ , 18hr, 6-24h	63							63							63														62																				
L _{eq} , 15hr, 7-22h			62							62							61														61																		
L _{eq} , 9hr, 22-7h			58							58							59														58																		
L _{eq} , 16hr, 6-22h			62							62							61															61																	
L _{eq} , 8hr, 22-6h			57							57							58															58																	
L _{max} , 24h			82							87							77															86																	
Adverse Weather Count	0							0							0							0							1							1							0						

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

7 Fairway Dr, Kew East

SITE ID

29

Dominant Road	Eastern Freeway	From	5/05/2018	Address	7 Fairway Dr
18-hr Traffic Flow	-	To	15/05/2018	Suburb	Kew East
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 3'6.08"E
Distance to Road (m)	50	Inst. Serial #	354110	Latitude	37°47'28.12"S
% of H.V.	-	Operator	MV	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	5/05	6/05	8/05	9/05	13/05
L _{10,18hr} , Arith Av, 6-24h	59	60 dBA	58 dBA	58 dBA	62 dBA	56 dBA
L _{eq,15hr} , Log Av, 7-22h	58	58 dBA	58 dBA	57 dBA	61 dBA	55 dBA
L _{eq,16hr} , Log Av, 6-22h	58	58 dBA	58 dBA	57 dBA	61 dBA	56 dBA
L _{eq,8hr} , Log Av, 22-6h	54	56 dBA	56 dBA	51 dBA	53 dBA	53 dBA
L _{eq,9hr} , Log Av, 22-7h	55	56 dBA	56 dBA	53 dBA	54 dBA	53 dBA

Site Zoom



Site Overview

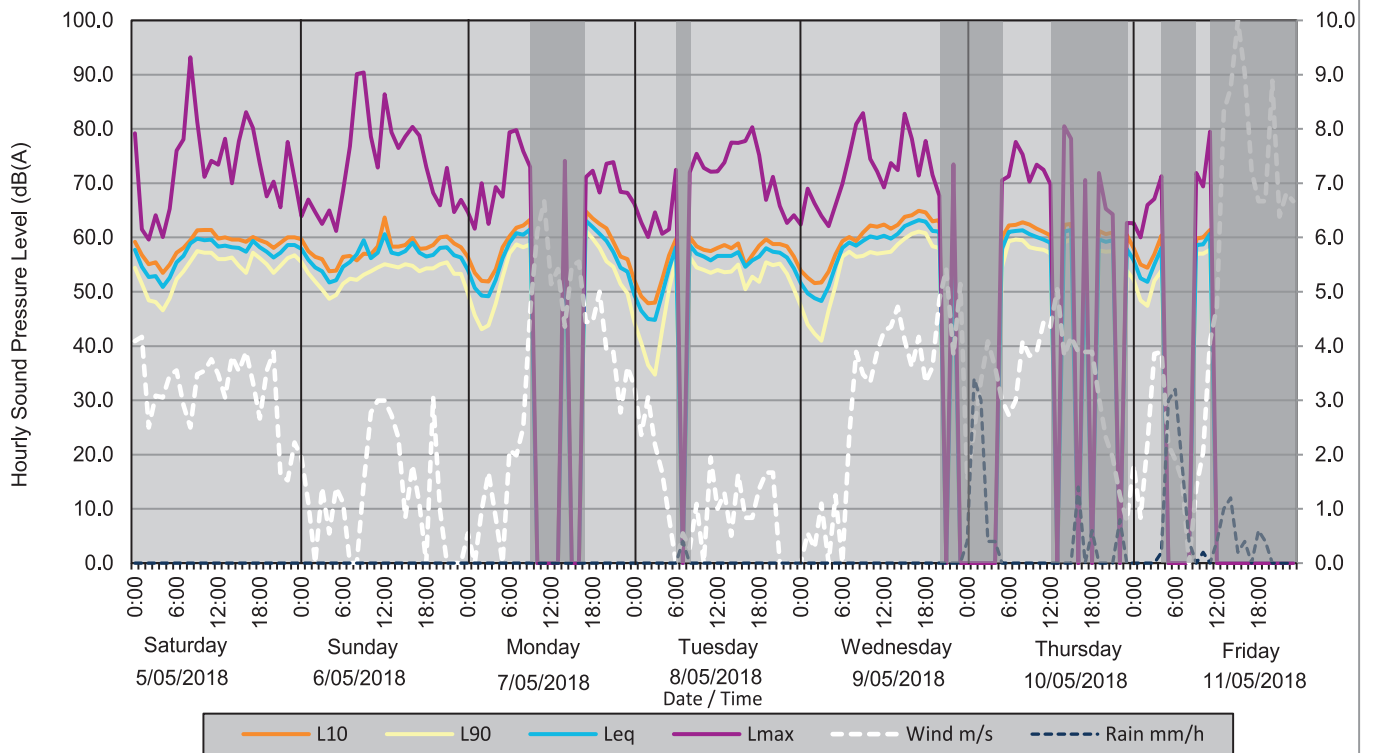


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Saturday 05/05/2018							Sunday 06/05/2018							Monday 07/05/2018							Tuesday 08/05/2018							Wednesday 09/05/2018							Thursday 10/05/2018							Friday 11/05/2018						
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	59	54	58	79	N	4.1	0.0	60	56	58	64	NNE	1.9	0.0	56	50	54	65	NE	0.5	0.0	52	44	49	66	NNW	3.3	0.0	54	47	52	62	N	0.0	0.0				NNW	1.5	0.4	58	52	56	63	NW	1.8	0.0	
1:00	57	52	55	62	N	4.2	0.0	58	53	56	67	NNE	1.1	0.0	54	46	51	62	N	0.0	0.0	49	41	47	63	W	2.4	0.0	53	44	50	69	ESE	0.6	0.0				NNE	2.4	3.4	55	48	53	60	WNW	0.8	0.0	
2:00	55	48	53	60	N	2.5	0.0	56	52	55	65	N	0.0	0.0	52	43	49	70	NE	1.0	0.0	48	37	45	60	WSW	3.1	0.0	52	42	49	66	ESE	0.3	0.0				WNW	3.4	3.0	54	47	52	66	NW	2.2	0.0	
3:00	55	48	53	64	N	3.1	0.0	56	50	54	63	NE	1.4	0.0	52	44	49	63	NE	1.7	0.0	48	35	45	65	W	2.2	0.0	52	41	48	64	ENE	1.1	0.0				W	4.1	0.4	57	52	55	67	WNW	3.9	0.0	
4:00	54	47	51	60	NNW	3.1	0.0	54	49	52	65	NE	0.5	0.0	54	48	52	69	NE	0.8	0.0	52	43	50	61	W	1.7	0.0	54	47	51	62	N	0.0	0.0				WNW	3.6	0.4	60	54	58	71	NW	3.9	0.2	
5:00	55	49	53	65	N	3.5	0.0	54	49	52	61	NE	1.4	0.0	58	53	56	68	N	0.0	0.0	57	51	54	62	W	0.8	0.0	57	51	55	66	ENE	1.3	0.0	60	55	58	71	NW	3.0	0.0				NW	2.2	3.0	
6:00	57	52	55	76	NNW	3.5	0.0	56	52	55	69	NE	1.1	0.0	60	57	59	79	NNE	2.1	0.0	60	56	58	73	N	0.0	0.0	59	57	58	70	N	0.0	0.0	62	59	61	71	NW	2.7	0.0				W	1.9	3.2	
7:00	58	54	57	78	N	2.9	0.0	57	52	56	77	N	0.0	0.0	62	59	61	80	N	2.0	0.0					W	0.5	0.4	60	57	59	75	NNE	2.3	0.0	62	60	61	78	NW	3.0	0.0				W	1.5	1.8	
8:00	60	56	59	93	NE	2.5	0.0	56	52	57	90	N	0.0	0.0	62	58	61	76	NNE	2.5	0.0	60	56	59	72	W	0.3	0.0	59	56	59	81	N	3.9	0.0	63	60	61	75	NW	4.1	0.0				N	0.0	0.4	
9:00	61	58	60	81	N	3.5	0.0	57	53	60	90	NNW	1.5	0.0	63	59	62	73	N	4.6	0.0	58	55	57	75	W	1.1	0.0	61	57	59	83	N	3.5	0.0	62	58	61	70	WNW	3.8	0.0	60	57	59	72	SW	1.4	0.0
10:00	61	57	60	71	N	3.5	0.0	57	54	56	79	WNW	2.8	0.0					N	6.1	0.0	58	54	57	73	N	0.0	0.0	62	57	60	75	NNW	3.3	0.0	62	58	60	73	WNW	3.9	0.0	60	57	59	69	SW	2.0	0.2
11:00	61	57	60	74	N	3.8	0.0	58	55	57	73	NNW	3.0	0.0					N	6.7	0.0	58	54	56	72	SW	1.9	0.0	62	57	60	72	N	3.9	0.0	61	58	60	73	WNW	4.4	0.0	61	58	61	80	SSW	4.1	0.0
12:00	60	56	58	73	N	3.5	0.0	64	55	61	86	NW	3.0	0.0					N	5.1	0.0	58	54	57	72	S	1.0	0.0	62	57	60	69	N	4.3	0.0	60	57	59	70	WNW	4.4	0.0				SW	4.7	0.4	
13:00	60	56	59	78	WNW	3.1	0.0	58	55	57	79	NNW	2.7	0.0					N	5.4	0.0	59	54	57	74	ESE	1.3	0.0	62	57	60	74	NW	4.4	0.0				W	5.0	0.0				SW	8.3	1.0		
14:00	60	56	58	70	W	3.8	0.0	58	55	57	77	WNW	2.3	0.0	65	61	63	74	N	4.4	0.0	58	54	57	78	N	0.5	0.0	62	59	61	72	NW	4.7	0.0	62	59	61	81	WSW	3.8	0.0				SW	8.8	1.2	
15:00	60	55	58	78	W	3.5	0.0	59	55	58	79	WNW	0.8	0.0					N	5.5	0.0	59	55	57	77	SE	1.6	0.0	64	60	62	83	NNW	4.1	0.0	63	60	61	78	W	4.2	0.0				SSW	###	0.2	
16:00	59	54	57	83	WNW	3.9	0.0	60	55	59	80	N	1.8	0.0					NNW	5.6	0.0	55	51	55	78	SE	0.8	0.0	64	61	63	78	N	3.6	0.0				WSW	3.9	1.4				SW	9.0	0.4		
17:00	60	57	59	80	WNW	3.3	0.0	58	54	57	79	N	1.1	0.0	65	61	63	71	N	4.4	0.0	57	53	56	80	SE	0.8	0.0	65	61	63	71	N	4.2	0.0	60	57	59	71	W	3.9	0.0				SW	7.2	0.0	
18:00	60	56	58	74	N	2.7	0.0	58	54	57	73	N	0.0	0.0	64	60	62	72	N	4.4	0.0	59	52	57	75	SE	1.4	0.0	65	61	63	78	N	3.3	0.0				W	3.9	0.6				SW	6.7	0.6		
19:00	59	55	57	68	N	3.5	0.0	59	54	57	68	NNW	3.1	0.0	63	58	61	68	N	5.0	0.0	60	55	58	67	ESE	1.7	0.0	63	58	61	72	N	3.6	0.0	61	58	60	72	W	3.1	0.0				SW	6.7	0.4	
20:00	58	54	56	70	N	3.9	0.0	60	55	58	66	NNW	1.0	0.0	62	56	59	74	N	3.9	0.0	59	55	57	71	E	1.7	0.0	63	58	61	68	N	4.9	0.0	61	57	59	65	W	2.3	0.0				SSW	8.9	0.0	
21:00	59	55	57	66	ENE	1.6	0.0	60	55	58	73	N	0.0	0.0	59	55	57	74	NNW	3.9	0.0	59	55	57	66	N	0.0	0.0				N	5.4	0.0	61	58	60	64	WNW	1.9	0.0				SSW	6.4	0.0		
22:00	60	56	59	78	N	1.5	0.0	59	53	57	65	N	0.0	0.0	57	51	54	68	NNW	2.8	0.0	58	53	56	63	N	0.0	0.0	63	58	61	74	N	3.8	0.0				W	1.3	0.8				SSW	6.8	0.0		
23:00	60	57	59	71	NNW	2.2	0.0	58	53	56	67	N	0.0	0.0	56	50	54	68	NNW	3.6	0.0	57	51	54	64	N	0.0	0.0				W	5.1	0.0	61	54	58	63	NW	0.8	0.0				SSW	6.7	0.0		
L ₁₀ , 18hr, 6-24h	60							58														58							62																				
L _{eq} , 15hr, 7-22h			58							58														57						61																			
L _{eq} , 9hr, 22-7h			56							56														53						54																			
L _{eq} , 16hr, 6-22h			58							58														57						61																			
L _{eq} , 8hr, 22-6h			56							56														51						53																			
L _{max} , 24h			93							90														80						83																			
Adverse Weather Count	0							0							6							1							2							9							16						

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

1549B Old Burke Road, Kew East

SITE ID
30

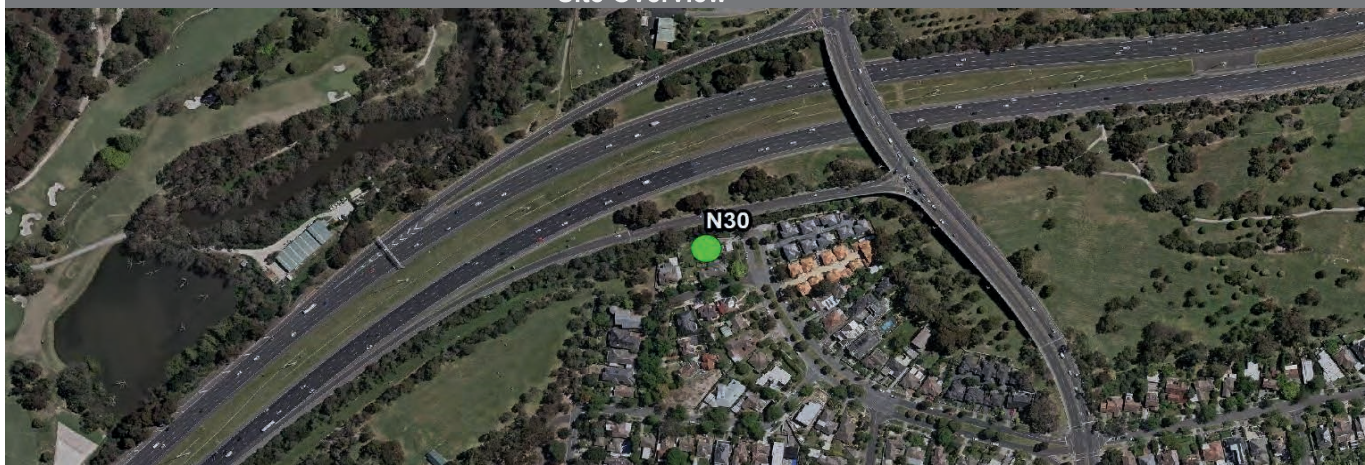
Dominant Road	Eastern Freeway	From	21/04/2018	Address	1549B Old Burke Road
18-hr Traffic Flow	-	To	1/05/2018	Suburb	Kew East
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 3'41.53"E
Distance to Road (m)	63	Inst. Serial #	15-299-453	Latitude	37°47'8.90"S
% of H.V.	-	Operator	LE	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	21/04	22/04	23/04	24/04	26/04	27/04	28/04	29/04	30/04
L _{10,18hr} , Arith Av, 6-24h	62	62 dBA	61 dBA	61 dBA	62 dBA	63 dBA	61 dBA	61 dBA	61 dBA	62 dBA
L _{eq,15hr} , Log Av, 7-22h	61	60 dBA	59 dBA	60 dBA	61 dBA	62 dBA	60 dBA	60 dBA	60 dBA	61 dBA
L _{eq,16hr} , Log Av, 6-22h	60	60 dBA	59 dBA	60 dBA	61 dBA	62 dBA	60 dBA	60 dBA	60 dBA	61 dBA
L _{eq,8hr} , Log Av, 22-6h	56	57 dBA	57 dBA	55 dBA	56 dBA	53 dBA	55 dBA	57 dBA	57 dBA	55 dBA
L _{eq,9hr} , Log Av, 22-7h	56	57 dBA	57 dBA	56 dBA	56 dBA	55 dBA	56 dBA	57 dBA	56 dBA	55 dBA

Site Zoom



Site Overview

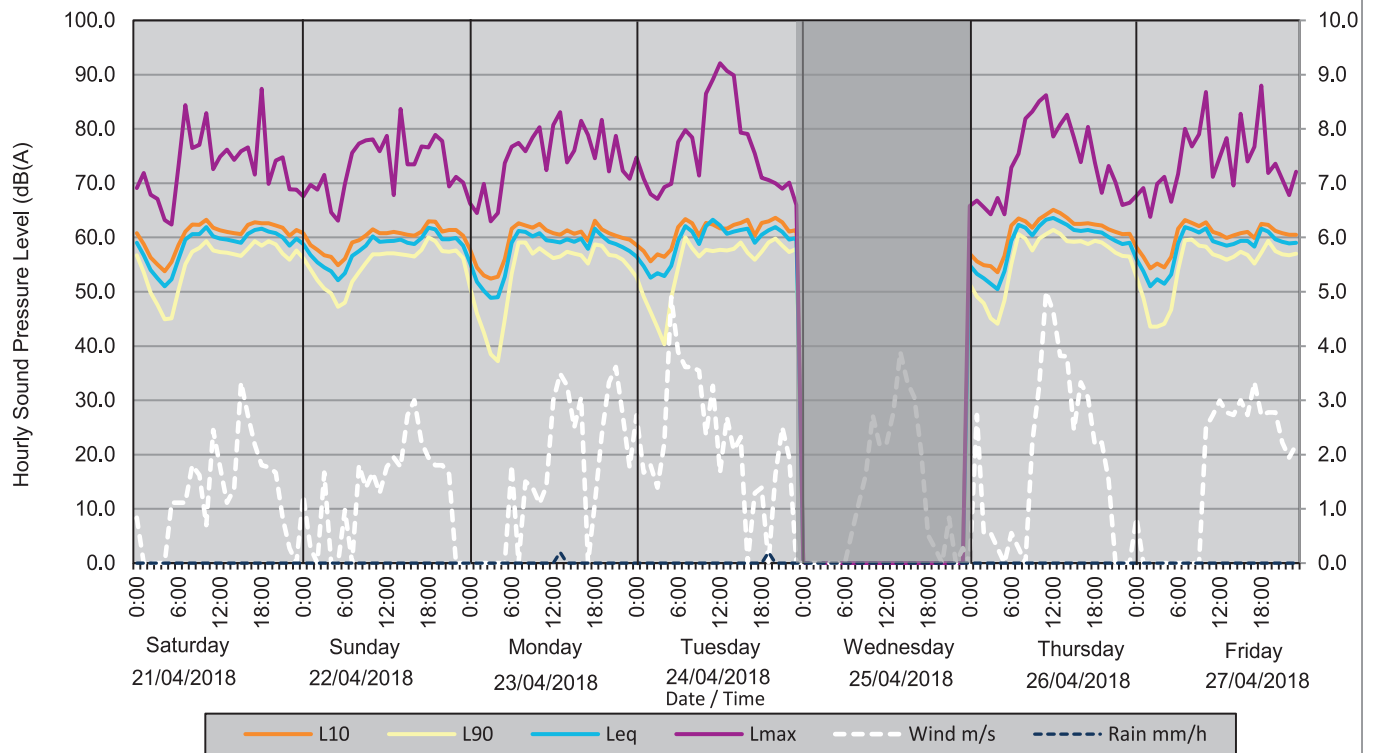


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Saturday 21/04/2018							Sunday 22/04/2018							Monday 23/04/2018							Tuesday 24/04/2018							Wednesday 25/04/2018							Thursday 26/04/2018							Friday 27/04/2018						
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	61	57	59	69	WSW	0.8	0.0	61	56	59	68	W	1.3	0.0	58	51	55	66	N	0.0	0.0	59	53	57	75	ENE	2.7	0.0					N	0.0	0.0	57	51	55	66	N	0.0	0.0	58	53	56	68	SSW	0.8	0.0
1:00	59	54	57	72	N	0.0	0.0	59	54	57	70	W	0.3	0.0	55	46	52	65	N	0.0	0.0	58	49	55	71	NE	1.7	0.0					N	0.0	0.0	56	49	53	67	WNW	2.7	0.0	56	49	54	69	N	0.0	0.0
2:00	56	50	54	68	N	0.0	0.0	58	52	55	69	N	0.0	0.0	53	43	50	70	N	0.0	0.0	56	46	53	68	NNE	1.8	0.0					N	0.0	0.0	55	48	53	66	NW	0.6	0.0	54	44	51	64	N	0.0	0.0
3:00	55	48	53	67	N	0.0	0.0	57	51	55	72	W	1.7	0.0	52	39	49	63	N	0.0	0.0	57	43	53	67	NE	1.4	0.0					N	0.0	0.0	55	45	52	64	NW	0.6	0.0	55	44	52	70	N	0.0	0.0
4:00	54	45	51	63	N	0.0	0.0	56	50	54	65	N	0.0	0.0	53	37	49	65	N	0.0	0.0	56	40	53	69	NE	2.2	0.0					N	0.0	0.0	54	44	51	67	NW	0.3	0.0	55	44	52	71	N	0.0	0.0
5:00	56	45	52	62	WSW	1.1	0.0	55	47	52	63	N	0.0	0.0	56	45	53	74	N	0.0	0.0	58	49	55	70	NNE	4.9	0.0					N	0.0	0.0	57	48	54	64	N	0.0	0.0	56	47	53	67	N	0.0	0.0
6:00	59	50	56	73	WSW	1.1	0.0	56	48	53	70	NNE	1.0	0.0	62	53	59	77	NW	1.8	0.0	62	54	59	78	N	3.9	0.0					N	0.0	0.0	62	55	59	73	NNW	0.6	0.0	62	54	59	72	N	0.0	0.0
7:00	61	55	60	84	WSW	1.1	0.0	59	52	57	76	N	0.0	0.0	63	59	61	77	N	0.0	0.0	63	60	62	80	NNE	3.6	0.0					WSW	0.6	0.0	64	61	62	75	NW	0.3	0.0	63	60	62	80	N	0.0	0.0
8:00	62	57	61	77	WSW	1.8	0.0	60	54	58	77	ENE	1.8	0.0	62	59	61	76	S	1.5	0.0	63	58	61	78	NNE	3.6	0.0					SW	1.1	0.0	63	60	62	82	N	0.0	0.0	63	60	62	77	N	0.0	0.0
9:00	62	58	61	77	W	1.6	0.0	60	55	59	78	ENE	1.4	0.0	62	57	60	78	SE	1.4	0.0	60	57	59	71	NNE	3.5	0.0					SW	1.6	0.0	62	58	60	83	WSW	2.2	0.0	62	59	61	79	N	0.0	0.0
10:00	63	59	62	83	NNE	0.7	0.0	62	57	60	78	ENE	1.7	0.0	63	58	61	80	SE	1.1	0.0	63	58	62	87	NNE	2.4	0.0					WSW	2.7	0.0	63	60	62	85	WSW	3.3	0.0	63	58	62	87	SSE	2.5	0.0
11:00	62	58	60	73	NE	2.5	0.0	61	57	59	76	SE	1.3	0.0	61	57	60	72	E	1.4	0.0	62	58	63	89	NNE	3.3	0.0					WSW	2.2	0.0	64	61	63	86	SW	5.0	0.0	61	57	59	71	S	2.7	0.0
12:00	61	57	60	75	NNE	1.8	0.0	61	57	59	79	ESE	1.8	0.0	61	56	59	81	NNE	3.0	0.0	62	58	62	92	NNE	1.7	0.0					SW	2.2	0.0	65	61	64	79	SW	4.6	0.0	61	57	59	75	SSE	3.0	0.0
13:00	61	57	60	76	NE	1.1	0.0	61	57	59	68	SSW	1.9	0.0	61	57	59	83	N	3.5	0.2	62	58	61	91	N	2.7	0.0					SW	2.8	0.0	65	61	63	81	SSW	3.8	0.0	60	56	59	78	SSE	2.8	0.0
14:00	61	57	59	74	S	1.4	0.0	61	57	60	84	SW	1.8	0.0	61	57	60	74	NNW	3.3	0.0	62	58	61	90	WNW	2.1	0.0					SSW	3.9	0.0	64	59	62	83	SSW	3.8	0.0	60	56	59	70	S	2.7	0.0
15:00	61	57	59	76	SW	3.3	0.0	61	57	59	74	SSW	2.7	0.0	61	57	59	76	N	2.5	0.0	63	59	61	79	WSW	2.3	0.0					SW	3.3	0.0	63	59	61	78	SSW	2.5	0.0	61	57	59	83	S	3.0	0.0
16:00	62	58	61	77	WSW	2.7	0.0	60	57	59	74	SSW	3.0	0.0	61	57	60	82	N	3.1	0.0	63	57	62	79	N	0.0	0.0					SW	3.1	0.0	63	59	61	74	S	3.3	0.0	61	57	59	74	S	2.7	0.0
17:00	63	59	61	72	SW	2.2	0.0	61	58	60	77	SW	2.2	0.0	59	55	58	79	N	0.0	0.0	60	56	59	76	NE	1.3	0.0					SSW	2.0	0.0	63	59	61	80	S	3.1	0.0	60	55	58	77	S	3.3	0.0
18:00	63	59	62	87	SW	1.8	0.0	63	60	62	77	SW	1.9	0.0	63	59	62	75	NE	1.1	0.0	63	57	61	71	NE	1.4	0.0					S	0.5	0.0	62	59	61	74	SSW	2.2	0.0	63	57	62	88	S	2.7	0.0
19:00	63	59	61	70	WSW	1.8	0.0	63	59	62	79	WSW	1.8	0.0	62	59	60	82	ENE	2.4	0.0	63	59	61	71	N	0.0	0.2					SE	0.3	0.0	62	59	61	68	S	2.2	0.0	62	59	61	72	S	2.8	0.0
20:00	62	59	61	74	W	1.7	0.0	61	58	60	78	WSW	1.8	0.0	61	57	59	72	ENE	3.3	0.0	64	60	62	70	SW	1.6	0.0					N	0.0	0.0	62	58	60	73	S	1.5	0.0	61	58	60	74	S	2.8	0.0
21:00	62	57	60	75	W	0.8	0.0	61	57	60	69	W	1.6	0.0	60	57	59	79	ENE	3.6	0.0	63	59	61	69	SW	2.5	0.0					ESE	0.8	0.0	61	57	59	70	N	0.0	0.0	61	57	59	71	S	2.2	0.0
22:00	60	56	59	69	W	0.3	0.0	61	58	60	71	N	0.0	0.0	60	56	58	72	ENE	2.7	0.0	61	57	60	70	WSW	1.9	0.0					N	0.0	0.0	61	57	59	66	N	0.0	0.0	61	57	59	68	SW	1.9	0.0
23:00	61	58	60	69	N	0.0	0.0	60	56	59	70	N	0.0	0.0	60	54	58	71	NE	1.8	0.0	61	58	60	66	N	0.0	0.0					ESE	0.3	0.0	61	57	59	66	N	0.0	0.0	61	57	59	72	SSW	2.2	0.0
L ₁₀ , 18hr, 6-24h	62							61							61							62												63							61								
L _{eq} , 15hr, 7-22h		60							59							60							61												62							60							
L _{eq} , 9hr, 22-7h		57							57							56							56												55							56							
L _{eq} , 16hr, 6-22h		60							59							60							61												62							60							
L _{eq} , 8hr, 22-6h		57							57							55							56												53							55							
L _{max} , 24h				87								84							83							92											86							88					
Adverse Weather Count	0							0							0							0							24							0							0						

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

21 Orion Street, Balwyn North

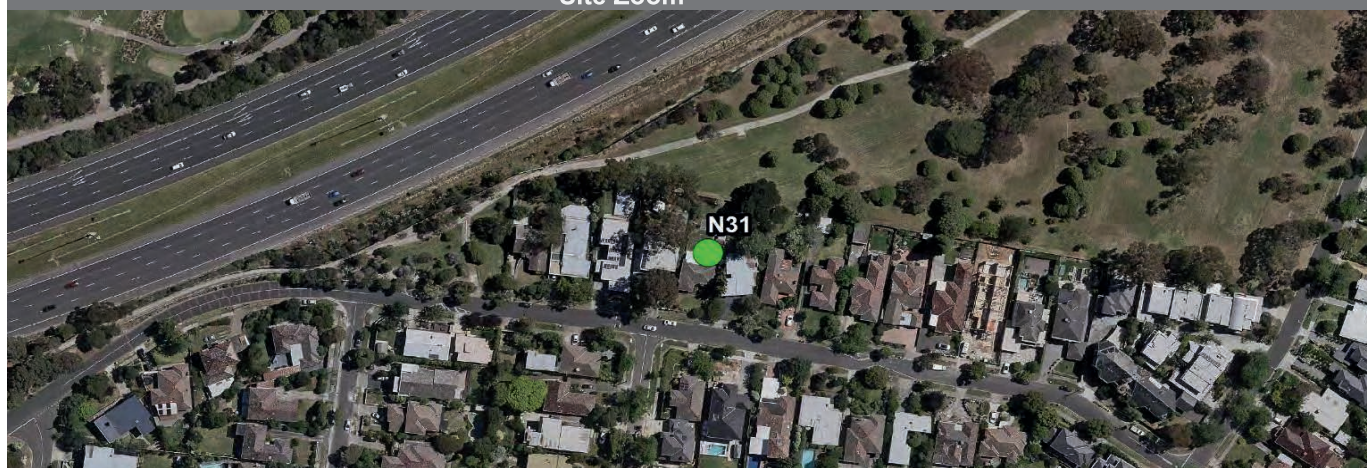
SITE ID

31

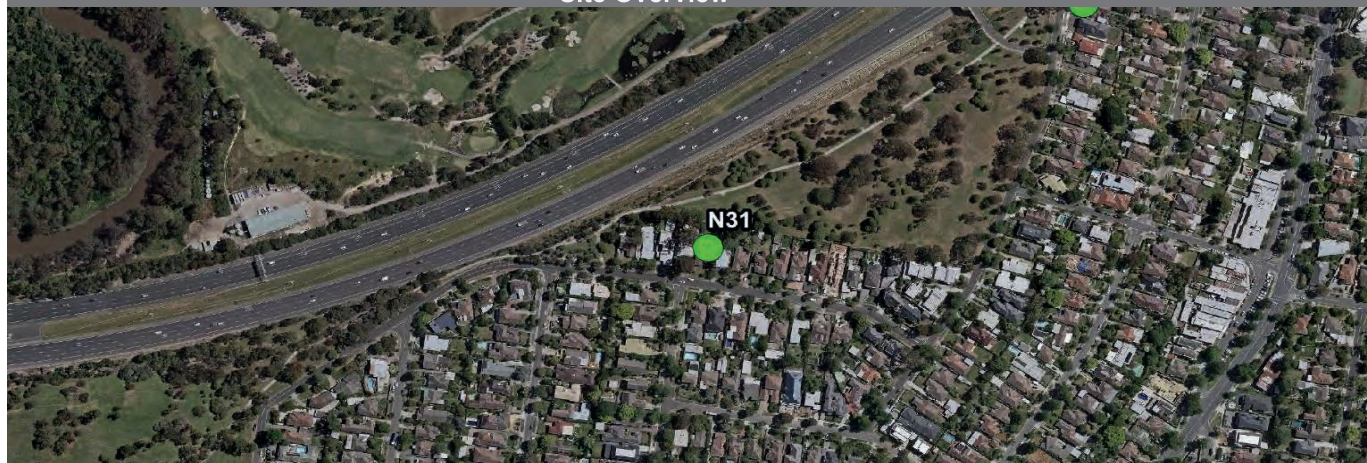
Dominant Road	Eastern Freeway	From	25/04/2018	Address	21 Orion Street
18-hr Traffic Flow	-	To	28/04/2018	Suburb	Balwyn North
Road Surface	Stone Seal	Mic. Height (m)	2.2	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 4'21.77"E
Distance to Road (m)	80	Inst. Serial #	164394	Latitude	37°47'1.85"S
% of H.V.	-	Operator	MV	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	26/04	27/04	28/04
L _{10,18hr} , Arith Av, 6-24h	57	57 dBA	56 dBA	57 dBA
L _{eq,15hr} , Log Av, 7-22h	56	56 dBA	55 dBA	56 dBA
L _{eq,16hr} , Log Av, 6-22h	56	56 dBA	55 dBA	56 dBA
L _{eq,8hr} , Log Av, 22-6h	51	52 dBA	51 dBA	51 dBA
L _{eq,9hr} , Log Av, 22-7h	52	54 dBA	52 dBA	51 dBA

Site Zoom



Site Overview

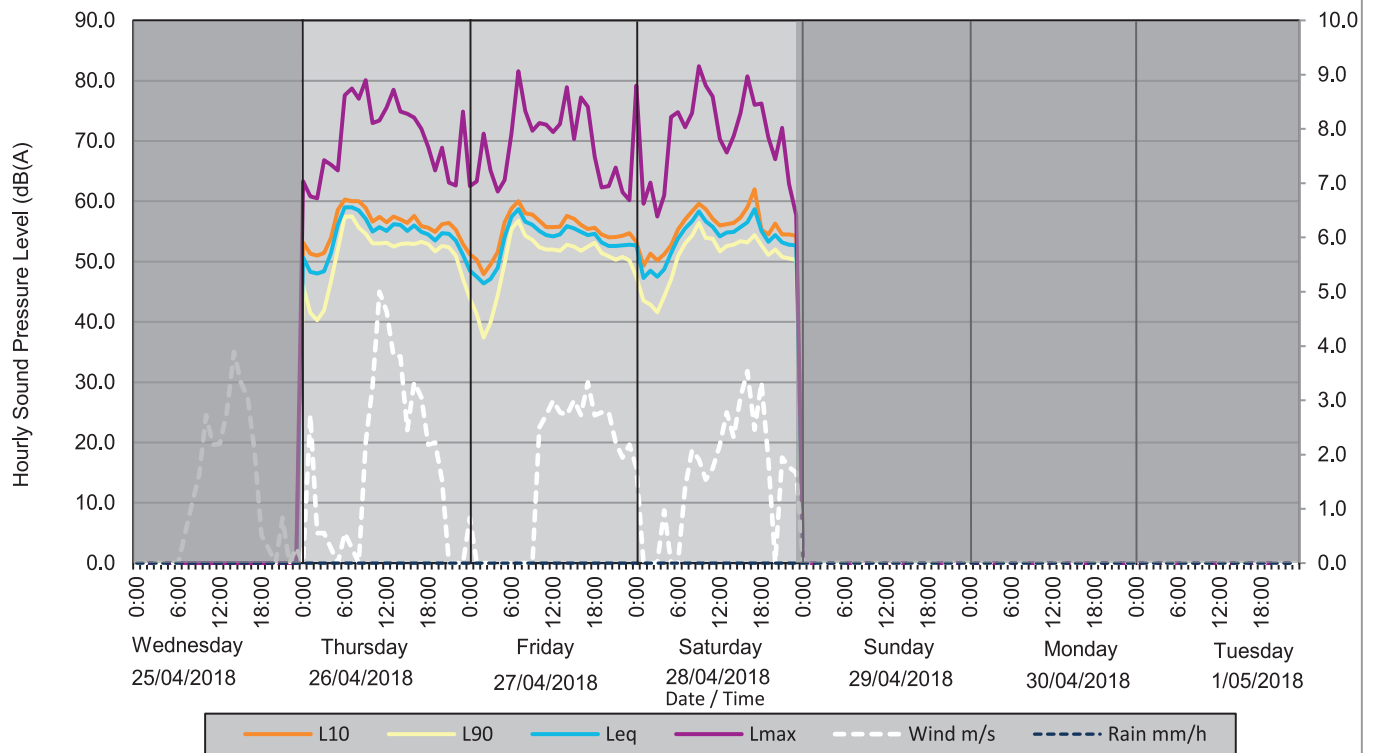


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Wednesday 25/04/2018						Thursday 26/04/2018						Friday 27/04/2018						Saturday 28/04/2018						Sunday 29/04/2018						Monday 30/04/2018						Tuesday 01/05/2018												
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00					N	0.0	0.0	53	46	51	63	N	0.0	0.0	51	44	49	63	SSW	0.8	0.0	53	48	53	79	WSW	1.8	0.0							0.0												0.0		
1:00					N	0.0	0.0	51	42	48	61	WNW	2.7	0.0	50	41	48	63	N	0.0	0.0	49	44	47	60	N	0.0	0.0							0.0													0.0	
2:00					N	0.0	0.0	51	40	48	61	NW	0.6	0.0	48	37	46	71	N	0.0	0.0	51	43	49	63	N	0.0	0.0							0.0													0.0	
3:00					N	0.0	0.0	51	42	48	67	NW	0.6	0.0	50	40	47	65	N	0.0	0.0	50	42	48	58	N	0.0	0.0							0.0													0.0	
4:00					N	0.0	0.0	54	47	51	66	NW	0.3	0.0	52	44	49	62	N	0.0	0.0	51	44	49	61	WSW	1.0	0.0							0.0													0.0	
5:00					N	0.0	0.0	59	52	56	65	N	0.0	0.0	57	50	54	64	N	0.0	0.0	53	47	51	74	N	0.0	0.0							0.0													0.0	
6:00					N	0.0	0.0	60	57	59	78	NNW	0.6	0.0	59	55	57	71	N	0.0	0.0	55	51	54	75	N	0.0	0.0							0.0													0.0	
7:00					WSW	0.6	0.0	60	58	59	79	NW	0.3	0.0	60	57	59	82	N	0.0	0.0	57	53	56	72	SSE	1.4	0.0							0.0													0.0	
8:00					SW	1.1	0.0	60	56	59	77	N	0.0	0.0	58	54	57	75	N	0.0	0.0	58	54	57	75	SSE	2.1	0.0							0.0													0.0	
9:00					SW	1.6	0.0	59	55	57	80	WSW	2.2	0.0	58	54	56	72	N	0.0	0.0	60	56	58	82	NE	1.9	0.0							0.0													0.0	
10:00					WSW	2.7	0.0	57	53	55	73	WSW	3.3	0.0	57	52	55	73	SSE	2.5	0.0	59	54	57	79	ENE	1.5	0.0							0.0														0.0
11:00					WSW	2.2	0.0	57	53	56	73	SW	5.0	0.0	56	52	54	73	S	2.7	0.0	57	54	56	77	N	1.7	0.0							0.0													0.0	
12:00					SW	2.2	0.0	57	53	55	76	SW	4.6	0.0	56	52	54	72	SSE	3.0	0.0	56	52	54	70	WNW	2.2	0.0							0.0													0.0	
13:00					SW	2.8	0.0	58	53	56	79	SSW	3.8	0.0	56	52	55	73	SSE	2.8	0.0	56	53	55	68	W	2.8	0.0							0.0													0.0	
14:00					SSW	3.9	0.0	57	53	56	75	SSW	3.8	0.0	58	53	56	79	S	2.7	0.0	56	53	55	71	SW	2.3	0.0							0.0													0.0	
15:00					SW	3.3	0.0	56	53	55	75	SSW	2.5	0.0	57	53	56	70	S	3.0	0.0	57	53	56	75	WSW	3.1	0.0							0.0													0.0	
16:00					SW	3.1	0.0	58	53	56	74	S	3.3	0.0	56	52	55	77	S	2.7	0.0	59	53	57	81	SW	3.5	0.0							0.0													0.0	
17:00					SSW	2.0	0.0	56	53	55	72	S	3.1	0.0	55	53	54	76	S	3.3	0.0	62	54	59	76	SSW	2.5	0.0							0.0													0.0	
18:00					S	0.5	0.0	56	53	55	69	SSW	2.2	0.0	56	53	55	67	S	2.7	0.0	55	53	55	76	S	3.3	0.0							0.0													0.0	
19:00					SE	0.3	0.0	55	52	54	65	S	2.2	0.0	55	51	53	62	S	2.8	0.0	55	51	53	71	S	1.9	0.0							0.0												0.0		
20:00					N	0.0	0.0	56	53	55	69	S	1.5	0.0	54	51	53	63	S	2.8	0.0	56	52	54	67	N	0.0	0.0							0.0												0.0		
21:00					ESE	0.8	0.0	56	52	55	63	N	0.0	0.0	54	50	53	66	S	2.2	0.0	55	51	53	72	SW	1.9	0.0							0.0												0.0		
22:00					N	0.0	0.0	55	51	54	63	N	0.0	0.0	54	51	53	62	SW	1.9	0.0	55	51	53	63	SW	1.8	0.0							0.0												0.0		
23:00					ESE	0.3	0.0	53	47	51	75	N	0.0	0.0	55	50	53	60	SSW	2.2	0.0	54	50	53	58	SW	1.7	0.0							0.0												0.0		
L ₁₀ , 18hr, 6-24h								57							56							57																											
L _{eq} , 15hr, 7-22h									56							55							56																										
L _{eq} , 9hr, 22-7h									54							52							51																										
L _{eq} , 16hr, 6-22h									56							55							56																										
L _{eq} , 8hr, 22-6h									52							51							51																										
L _{max} , 24h											80							82						82																									
Adverse Weather Count	24						0						0						0						24						24						24												

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

52 Columba St, Balwyn North

SITE ID

32

Dominant Road	Eastern Freeway	From	24/04/2018	Address	52 Columba St
18-hr Traffic Flow	-	To	4/05/2018	Suburb	Balwyn North
Road Surface	Stone Seal	Mic. Height (m)	2	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 4'34.30"E
Distance to Road (m)	55	Inst. Serial #	164393	Latitude	37°46'55.19"S
% of H.V.	-	Operator	MV	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	26/04	27/04	28/04	29/04	30/04	1/05	2/05
L _{10,18hr} , Arith Av, 6-24h	56	57 dBA	55 dBA	55 dBA	55 dBA	55 dBA	55 dBA	55 dBA
L _{eq,15hr} , Log Av, 7-22h	55	56 dBA	54 dBA	55 dBA	54 dBA	54 dBA	54 dBA	54 dBA
L _{eq,16hr} , Log Av, 6-22h	55	56 dBA	54 dBA	54 dBA	54 dBA	54 dBA	55 dBA	55 dBA
L _{eq,8hr} , Log Av, 22-6h	49	49 dBA	49 dBA	49 dBA	48 dBA	48 dBA	48 dBA	50 dBA
L _{eq,9hr} , Log Av, 22-7h	50	52 dBA	50 dBA	49 dBA	48 dBA	50 dBA	50 dBA	52 dBA

Site Zoom



Site Overview

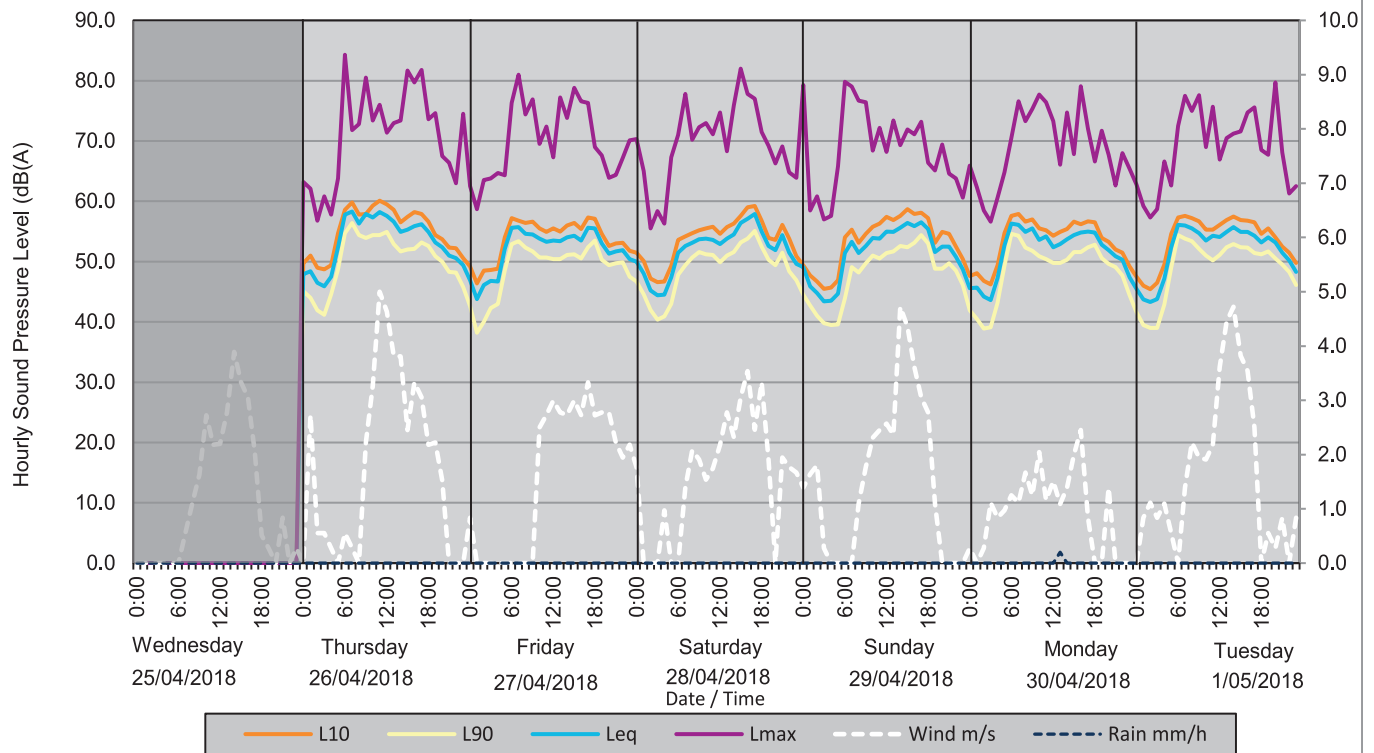


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Wednesday 25/04/2018						Thursday 26/04/2018						Friday 27/04/2018						Saturday 28/04/2018						Sunday 29/04/2018						Monday 30/04/2018						Tuesday 01/05/2018													
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h								
0:00					N	0.0	0.0	50	45	48	63	N	0.0	0.0	49	43	47	63	SSW	0.8	0.0	52	47	50	70	WSW	1.8	0.0	49	45	49	79	SSW	1.4	0.0	48	42	46	66	SSE	0.3	0.0	48	42	46	63	N	0.0	0.0	
1:00					N	0.0	0.0	51	44	48	62	WNW	2.7	0.0	46	38	44	59	N	0.0	0.0	50	45	48	65	N	0.0	0.0	48	43	46	59	SW	1.6	0.0	48	41	46	62	N	0.0	0.0	46	40	44	59	N	0.8	0.0	
2:00					N	0.0	0.0	49	42	47	57	NW	0.6	0.0	49	40	46	64	N	0.0	0.0	47	42	45	56	N	0.0	0.0	47	41	45	61	SSW	1.8	0.0	47	39	44	59	WNW	0.3	0.0	45	39	43	57	N	1.1	0.0	
3:00					N	0.0	0.0	49	41	46	61	NW	0.6	0.0	49	42	47	64	N	0.0	0.0	47	40	44	58	N	0.0	0.0	46	40	43	57	SSE	0.3	0.0	46	39	44	57	WNW	1.1	0.0	47	39	44	59	NNE	0.8	0.0	
4:00					N	0.0	0.0	49	45	48	58	NW	0.3	0.0	49	43	47	65	N	0.0	0.0	47	41	45	56	WSW	1.0	0.0	46	40	44	58	N	0.0	0.0	49	43	47	61	WNW	0.8	0.0	50	43	47	67	ENE	1.1	0.0	
5:00					N	0.0	0.0	55	49	52	64	N	0.0	0.0	54	49	52	64	N	0.0	0.0	49	43	47	67	N	0.0	0.0	47	40	45	66	N	0.0	0.0	55	49	53	65	WNW	1.0	0.0	55	49	52	63	NE	0.6	0.0	
6:00					N	0.0	0.0	59	55	58	84	NNW	0.6	0.0	57	53	56	76	N	0.0	0.0	54	48	52	71	N	0.0	0.0	54	44	51	80	N	0.0	0.0	58	55	56	71	WNW	1.3	0.0	57	54	56	73	N	0.0	0.0	
7:00				WSW	0.6	0.0	60	56	58	72	NW	0.3	0.0	57	53	56	81	N	0.0	0.0	54	49	53	78	SSE	1.4	0.0	55	49	53	79	N	0.0	0.0	58	54	56	77	WNW	1.1	0.0	58	54	56	78	ENE	1.4	0.0		
8:00				SW	1.1	0.0	58	54	56	73	N	0.0	0.0	56	52	55	74	N	0.0	0.0	55	51	53	70	SSE	2.1	0.0	53	48	51	77	SSW	1.1	0.0	57	52	55	73	WNW	1.7	0.0	57	53	56	75	ENE	2.2	0.0		
9:00				SW	1.6	0.0	58	54	58	81	WSW	2.2	0.0	57	52	55	77	N	0.0	0.0	55	52	54	72	NE	1.9	0.0	55	50	53	76	S	1.8	0.0	57	52	56	75	ENE	1.3	0.0	57	52	55	78	ENE	1.9	0.0		
10:00				WSW	2.7	0.0	59	54	57	73	WSW	3.3	0.0	56	51	54	70	SSE	2.5	0.0	56	51	54	73	ENE	1.5	0.0	56	51	54	68	SSE	2.3	0.0	56	51	54	78	ENE	2.0	0.0	55	51	54	69	E	1.9	0.0		
11:00				WSW	2.2	0.0	60	54	58	76	SW	5.0	0.0	55	51	53	72	S	2.7	0.0	56	51	54	71	N	1.7	0.0	56	51	54	72	SSE	2.4	0.0	55	50	54	76	N	1.2	0.0	55	50	54	76	NNE	2.2	0.0		
12:00				SW	2.2	0.0	60	55	58	71	SW	4.6	0.0	56	50	54	67	SSE	3.0	0.0	55	50	53	75	WNW	2.2	0.0	57	51	55	68	SSW	2.6	0.0	54	50	52	73	S	1.5	0.0	56	51	54	67	N	3.6	0.0		
13:00				SW	2.8	0.0	59	53	57	73	SSW	3.8	0.0	55	50	53	77	SSE	2.8	0.0	56	51	54	68	W	2.8	0.0	57	52	55	73	SSW	2.4	0.0	55	50	53	66	SSE	1.1	0.2	57	52	55	71	NNW	4.4	0.0		
14:00				SSW	3.9	0.0	57	52	55	73	SSW	3.8	0.0	56	51	54	74	S	2.7	0.0	56	52	55	76	SW	2.3	0.0	58	53	56	69	SW	4.7	0.0	55	50	54	75	SSE	1.4	0.0	58	53	56	71	N	4.7	0.0		
15:00				SW	3.3	0.0	57	52	55	82	SSW	2.5	0.0	56	51	54	79	S	3.0	0.0	58	53	56	82	WSW	3.1	0.0	59	52	56	72	S	4.4	0.0	57	52	54	68	SW	2.0	0.0	57	52	55	72	NNW	3.8	0.0		
16:00				SW	3.1	0.0	58	52	56	80	S	3.3	0.0	55	51	54	77	S	2.7	0.0	59	54	57	78	SW	3.5	0.0	58	53	56	71	SSW	3.6	0.0	56	52	55	79	S	2.4	0.0	57	52	55	75	N	3.5	0.0		
17:00				SSW	2.0	0.0	58	53	56	82	S	3.1	0.0	57	52	56	76	S	3.3	0.0	59	55	58	77	SSW	2.5	0.0	58	54	57	73	SSW	3.1	0.0	57	52	55	72	S	0.8	0.0	57	51	54	76	N	2.5	0.0		
18:00				S	0.5	0.0	57	53	55	74	SSW	2.2	0.0	57	54	56	69	S	2.7	0.0	57	53	55	72	S	3.3	0.0	57	53	55	66	SSW	2.8	0.0	57	53	55	67	N	0.0	0.0	55	51	53	69	N	0.0	0.0		
19:00				SE	0.3	0.0	54	51	53	75	S	2.2	0.0	55	50	53	68	S	2.8	0.0	54	50	53	69	S	1.9	0.0	53	49	52	65	S	1.1	0.0	54	51	53	72	N	0.0	0.0	56	52	54	68	NNE	0.6	0.0		
20:00				N	0.0	0.0	54	50	52	68	S	1.5	0.0	53	49	51	64	S	2.8	0.0	54	49	52	66	N	0.0	0.0	55	49	53	69	N	0.0	0.0	53	50	52	68	S	1.4	0.0	54	51	53	80	NE	0.3	0.0		
21:00				ESE	0.8	0.0	52	48	51	66	N	0.0	0.0	53	50	52	64	SSW	2.2	0.0	56	52	54	69	SW	1.9	0.0	55	50	53	65	N	0.0	0.0	52	49	51	63	N	0.0	0.0	53	50	52	68	NE	0.8	0.0		
22:00				N	0.0	0.0	52	48	51	63	N	0.0	0.0	53	50	52	67	SW	1.9	0.0	54	48	52	65	SW	1.8	0.0	53	49	51	64	N	0.0	0.0	52	48	50	68	N	0.0	0.0	52	48	50	61	N	0.0	0.0		
23:00				ESE	0.3	0.0	51	46	49	75	N	0.0	0.0	52	48	50	70	SSW	2.2	0.0	51	47	50	64	SW	1.7	0.0	50	46	49	61	N	0.0	0.0	49	44	47	65	N	0.0	0.0	50	46	48	63	NE	0.8	0.0		
L ₁₀ , 18hr, 6-24h								57							55													55							55															
L _{eq} , 15hr, 7-22h								56							54													54							54															
L _{eq} , 9hr, 22-7h								52							50													48							50															
L _{eq} , 16hr, 6-22h								56							54													54							54															
L _{eq} , 8hr, 22-6h								49							49													49							48															
L _{max} , 24h								84							81													82							80															
Adverse Weather Count	24						0						0						0						0						0						0													

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

150 Mountain View Road,
Balwyn North

SITE ID
33

Dominant Road	Eastern Freeway	From	25/04/2018	Address	150 Mountain View Road
18-hr Traffic Flow	-	To	4/05/2018	Suburb	Balwyn North
Road Surface	Stone Seal	Mic. Height (m)	1.6	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 4'56.70"E
Distance to Road (m)	50	Inst. Serial #	164396	Latitude	37°46'49.52"S
% of H.V.	-	Operator	MV	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	26/04	27/04	28/04	29/04	30/04	1/05	2/05
L _{10,18hr} , Arith Av, 6-24h	59	59 dBA	59 dBA	58 dBA	58 dBA	60 dBA	60 dBA	61 dBA
L _{eq,15hr} , Log Av, 7-22h	58	58 dBA	58 dBA	57 dBA	56 dBA	58 dBA	59 dBA	59 dBA
L _{eq,16hr} , Log Av, 6-22h	58	58 dBA	58 dBA	57 dBA	56 dBA	59 dBA	59 dBA	59 dBA
L _{eq,8hr} , Log Av, 22-6h	53	53 dBA	53 dBA	53 dBA	52 dBA	53 dBA	54 dBA	55 dBA
L _{eq,9hr} , Log Av, 22-7h	54	55 dBA	54 dBA	53 dBA	53 dBA	54 dBA	55 dBA	56 dBA

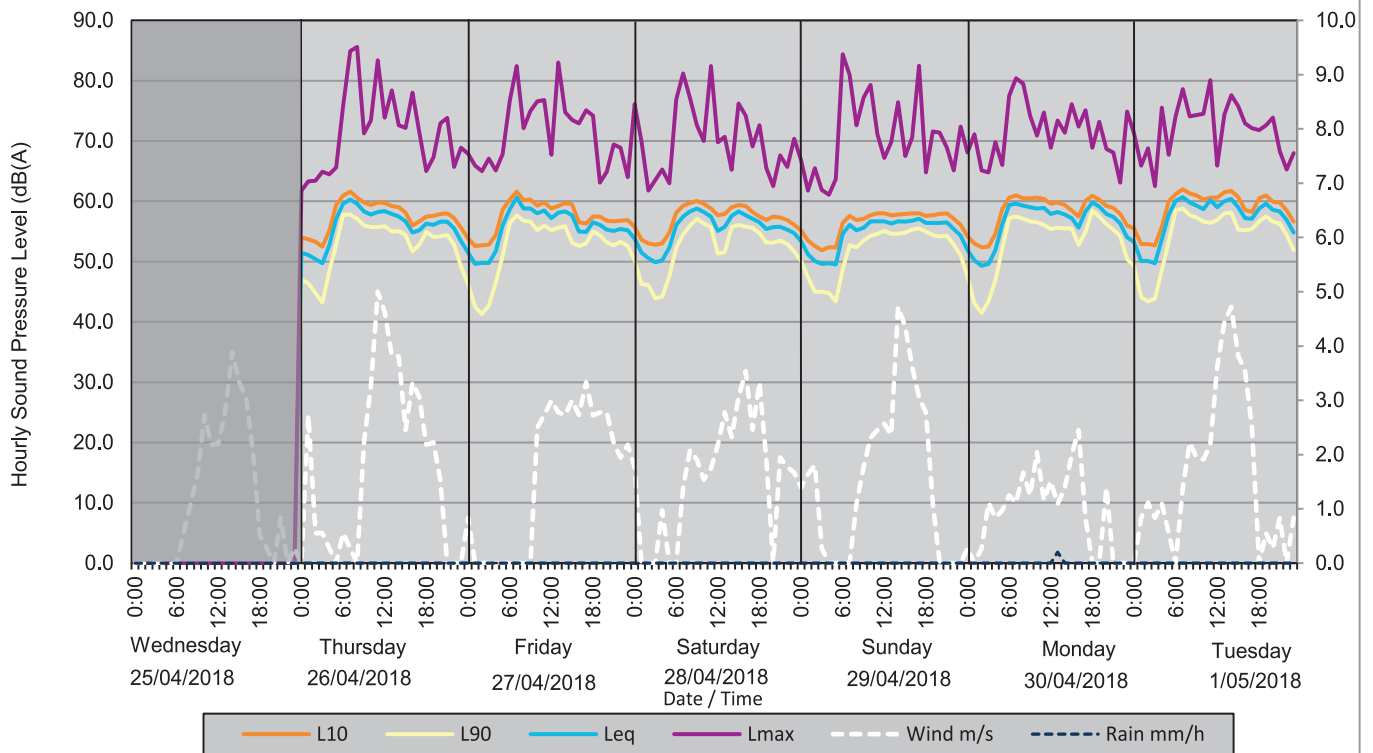


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Wednesday 25/04/2018						Thursday 26/04/2018						Friday 27/04/2018						Saturday 28/04/2018						Sunday 29/04/2018						Monday 30/04/2018						Tuesday 01/05/2018																
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h											
0:00					N	0.0	0.0	54	47	52	62	N	0.0	0.0	54	46	52	68	SSW	0.8	0.0	56	50	54	76	WSW	1.8	0.0	55	50	53	67	SSW	1.4	0.0	54	48	52	68	SSE	0.3	0.0	56	49	53	71	N	0.0	0.0				
1:00					N	0.0	0.0	54	46	51	63	WNW	2.7	0.0	53	43	50	66	N	0.0	0.0	54	46	52	70	N	0.0	0.0	54	47	51	62	SW	1.6	0.0	53	43	50	71	N	0.0	0.0	53	44	50	66	N	0.8	0.0				
2:00					N	0.0	0.0	53	45	50	63	NW	0.6	0.0	53	41	50	65	N	0.0	0.0	53	46	51	62	N	0.0	0.0	53	45	50	66	SSW	1.8	0.0	52	42	49	65	WNW	0.3	0.0	53	43	50	69	N	1.1	0.0				
3:00					N	0.0	0.0	53	43	50	65	NW	0.6	0.0	53	43	50	67	N	0.0	0.0	53	44	50	64	N	0.0	0.0	52	45	50	62	SSE	0.3	0.0	53	43	50	65	WNW	1.1	0.0	53	44	50	63	NNE	0.8	0.0				
4:00					N	0.0	0.0	55	48	53	65	NW	0.3	0.0	54	47	52	65	N	0.0	0.0	53	44	50	65	WSW	1.0	0.0	52	45	50	61	N	0.0	0.0	55	47	52	70	WNW	0.8	0.0	56	49	54	76	ENE	1.1	0.0				
5:00					N	0.0	0.0	59	53	57	66	N	0.0	0.0	59	51	56	68	N	0.0	0.0	55	48	52	63	N	0.0	0.0	52	43	50	64	N	0.0	0.0	59	52	56	66	WNW	1.0	0.0	60	53	58	68	NE	0.6	0.0				
6:00					N	0.0	0.0	61	58	60	76	NNW	0.6	0.0	60	56	59	77	N	0.0	0.0	58	52	56	77	N	0.0	0.0	56	49	55	84	N	0.0	0.0	61	57	59	78	WNW	1.3	0.0	61	59	60	74	N	0.0	0.0				
7:00					WSW	0.6	0.0	62	58	60	85	NW	0.3	0.0	62	58	61	82	N	0.0	0.0	59	55	58	81	SSE	1.4	0.0	58	53	56	81	N	0.0	0.0	61	58	60	80	WNW	1.1	0.0	62	59	61	79	ENE	1.4	0.0				
8:00					SW	1.1	0.0	61	57	60	86	N	0.0	0.0	60	57	59	72	N	0.0	0.0	60	56	58	77	SSE	2.1	0.0	57	52	55	73	SSW	1.1	0.0	61	57	59	80	WNW	1.7	0.0	61	58	60	74	ENE	2.2	0.0				
9:00					SW	1.6	0.0	60	56	58	71	WSW	2.2	0.0	60	57	59	75	N	0.0	0.0	60	57	59	73	NE	1.9	0.0	57	54	56	77	S	1.8	0.0	61	57	59	74	ENE	1.3	0.0	61	57	59	74	ENE	1.9	0.0				
10:00					WSW	2.7	0.0	59	56	58	73	WSW	3.3	0.0	59	55	58	77	SSE	2.5	0.0	60	56	58	70	ENE	1.5	0.0	58	54	57	79	SSE	2.3	0.0	61	57	59	71	ENE	2.0	0.0	60	57	59	75	E	1.9	0.0				
11:00					WSW	2.2	0.0	60	56	58	83	SW	5.0	0.0	60	56	59	77	S	2.7	0.0	59	56	58	82	N	1.7	0.0	58	55	57	71	SSE	2.4	0.0	60	56	59	75	N	1.2	0.0	61	56	60	80	NNE	2.2	0.0				
12:00					SW	2.2	0.0	60	56	58	74	SW	4.6	0.0	59	55	57	68	SSE	3.0	0.0	58	51	55	70	WNW	2.2	0.0	58	55	57	67	SSW	2.6	0.0	60	55	58	69	S	1.5	0.0	61	57	59	66	N	3.6	0.0				
13:00					SW	2.8	0.0	59	55	58	78	SSW	3.8	0.0	59	56	58	83	SSE	2.8	0.0	58	52	56	71	W	2.8	0.0	58	55	56	70	SSW	2.4	0.0	60	56	58	73	SSE	1.1	0.2	62	58	60	74	NNW	4.4	0.0				
14:00					SSW	3.9	0.0	59	55	58	73	SSW	3.8	0.0	60	56	58	75	S	2.7	0.0	59	56	58	65	SW	2.3	0.0	58	55	57	76	SW	4.7	0.0	59	56	58	71	SSE	1.4	0.0	62	58	60	78	N	4.7	0.0				
15:00					SW	3.3	0.0	58	54	57	72	SSW	2.5	0.0	60	53	58	74	S	3.0	0.0	59	56	58	76	WSW	3.1	0.0	58	55	57	68	S	4.4	0.0	59	56	57	76	SW	2.0	0.0	61	55	59	76	NNW	3.8	0.0				
16:00					SW	3.1	0.0	56	52	55	78	S	3.3	0.0	57	53	55	73	S	2.7	0.0	59	56	58	74	SW	3.5	0.0	58	55	57	71	SSW	3.6	0.0	58	53	56	72	S	2.4	0.0	59	55	57	73	N	3.5	0.0				
17:00					SSW	2.0	0.0	57	53	55	71	S	3.1	0.0	56	53	55	75	S	3.3	0.0	58	56	57	69	SSW	2.5	0.0	58	56	57	83	SSW	3.1	0.0	60	55	58	75	S	0.8	0.0	58	55	57	72	N	2.5	0.0				
18:00					S	0.5	0.0	58	55	56	65	SSW	2.2	0.0	58	55	57	74	S	2.7	0.0	58	55	57	73	S	3.3	0.0	58	55	56	65	SSW	2.8	0.0	61	59	60	69	N	0.0	0.0	61	57	59	72	N	0.0	0.0				
19:00					SE	0.3	0.0	58	54	56	67	S	2.2	0.0	58	54	56	63	S	2.8	0.0	57	53	55	66	S	1.9	0.0	58	54	56	72	S	1.1	0.0	60	58	59	73	N	0.0	0.0	61	58	60	73	NNE	0.6	0.0				
20:00					N	0.0	0.0	58	54	57	73	S	1.5	0.0	57	53	55	65	S	2.8	0.0	58	53	56	63	N	0.0	0.0	58	54	56	71	N	0.0	0.0	59	56	58	69	S	1.4	0.0	60	57	59	74	NE	0.3	0.0				
21:00					ESE	0.8	0.0	58	54	57	74	N	0.0	0.0	57	53	55	69	SSW	2.2	0.0	57	54	56	68	SW	1.9	0.0	58	54	57	69	N	0.0	0.0	59	55	57	68	N	0.0	0.0	60	56	58	68	NE	0.8	0.0				
22:00					N	0.0	0.0	57	53	56	66	N	0.0	0.0	57	53	55	69	SW	1.9	0.0	57	53	55	66	SW	1.8	0.0	57	53	55	65	N	0.0	0.0	58	54	56	63	N	0.0	0.0	59	54	57	65	N	0.0	0.0				
23:00					ESE	0.3	0.0	56	49	53	69	N	0.0	0.0	57	53	55	64	SSW	2.2	0.0	56	52	55	70	SW	1.7	0.0	56	51	54	72	N	0.0	0.0	56	50	54	75	N	0.0	0.0	57	52	55	68	NE	0.8	0.0				
L ₁₀ , 18hr, 6-24h								59							59							58							58						60						60												
L _{eq} , 15hr, 7-22h										58								58						57							56								58						59								
L _{eq} , 9hr, 22-7h										55								54						53								53								54						55							
L _{eq} , 16hr, 6-22h										58								58						57								56								59						59							
L _{eq} , 8hr, 22-6h										53								53						53								52								53						54							
L _{max} , 24h											86								83						82								84								80						80						
Adverse Weather Count	24						0						0						0						0						0						0																

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

7 Kampman St, Bulleen

SITE ID

34

Dominant Road	Eastern Freeway	From	23/03/2018	Address	7 Kampman St
18-hr Traffic Flow	-	To	3/04/2018	Suburb	Bulleen
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 5'9.58"E
Distance to Road (m)	80	Inst. Serial #	164393	Latitude	37°46'44.85"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	23/03	27/03	29/03	30/03	31/03	1/04	2/04
L _{10,18hr} , Arith Av, 6-24h	57	58 dBA	58 dBA	58 dBA	57 dBA	57 dBA	56 dBA	57 dBA
L _{eq,15hr} , Log Av, 7-22h	56	56 dBA	57 dBA	57 dBA	56 dBA	56 dBA	54 dBA	56 dBA
L _{eq,16hr} , Log Av, 6-22h	56	57 dBA	57 dBA	57 dBA	56 dBA	56 dBA	54 dBA	56 dBA
L _{eq,8hr} , Log Av, 22-6h	53	54 dBA	52 dBA	53 dBA	53 dBA	52 dBA	52 dBA	52 dBA
L _{eq,9hr} , Log Av, 22-7h	53	55 dBA	54 dBA	54 dBA	53 dBA	52 dBA	51 dBA	52 dBA

Site Zoom



Site Overview



Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

7 Kampman St, Bulleen

SITE ID

34

Dominant Road	Eastern Freeway	From	23/03/2018	Address	7 Kampman St
18-hr Traffic Flow	-	To	3/04/2018	Suburb	Bulleen
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 5'9.58"E
Distance to Road (m)	80	Inst. Serial #	164393	Latitude	37°46'44.85"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	23/03	27/03	29/03	30/03	31/03	1/04	2/04
L _{10,18hr} , Arith Av, 6-24h	57	58 dBA	58 dBA	58 dBA	57 dBA	57 dBA	56 dBA	57 dBA
L _{eq,15hr} , Log Av, 7-22h	56	56 dBA	57 dBA	57 dBA	56 dBA	56 dBA	54 dBA	56 dBA
L _{eq,16hr} , Log Av, 6-22h	56	57 dBA	57 dBA	57 dBA	56 dBA	56 dBA	54 dBA	56 dBA
L _{eq,8hr} , Log Av, 22-6h	53	54 dBA	52 dBA	53 dBA	53 dBA	52 dBA	52 dBA	52 dBA
L _{eq,9hr} , Log Av, 22-7h	53	55 dBA	54 dBA	54 dBA	53 dBA	52 dBA	51 dBA	52 dBA

Site Zoom



Site Overview

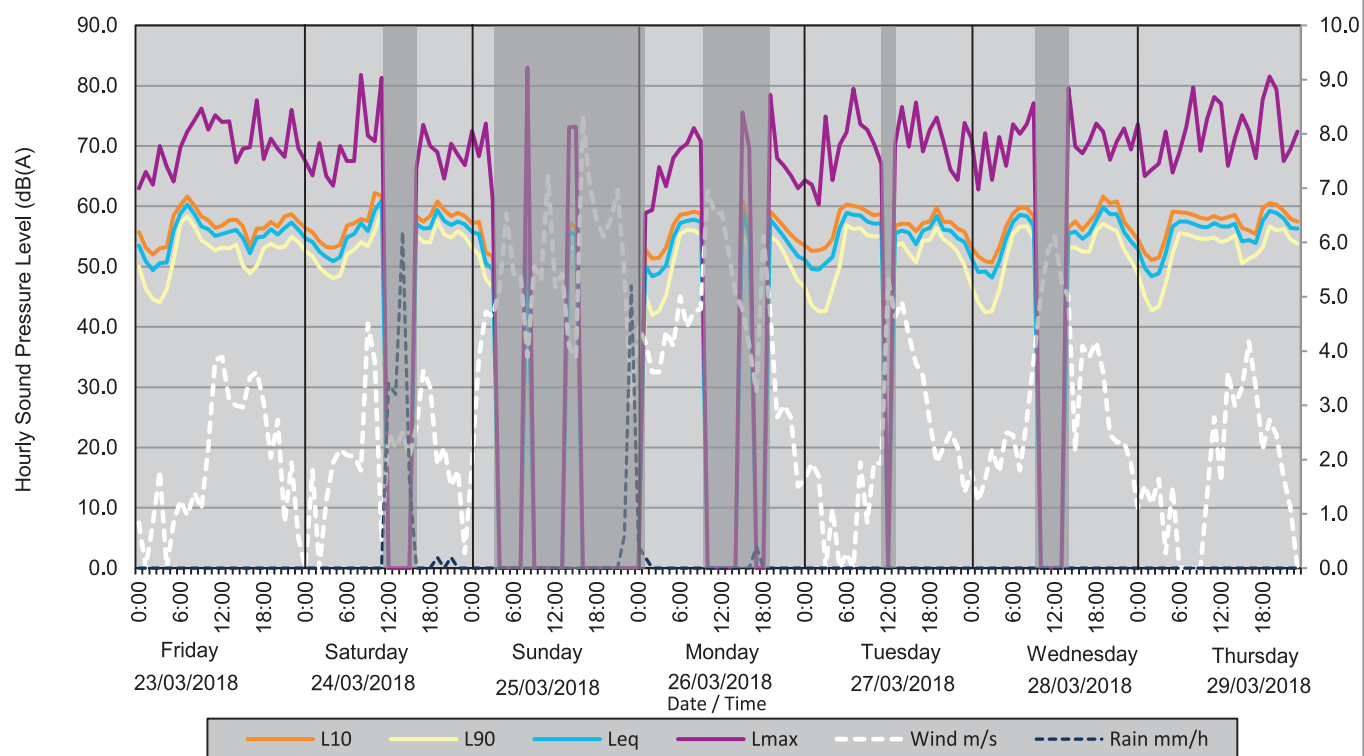


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Friday 23/03/2018							Saturday 24/03/2018							Sunday 25/03/2018							Monday 26/03/2018							Tuesday 27/03/2018							Wednesday 28/03/2018							Thursday 29/03/2018							
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h								
0:00	56	50	54	63	ENE	0.8	0.0	56	53	55	68	N	0.0	0.0	57	53	56	73	ENE	1.9	0.0					W	4.4	0.4	54	47	51	64	NW	1.6	0.0	53	47	51	71	NE	1.8	0.0	55	49	53	74	S	1.1	0.0	
1:00	53	46	51	66	N	0.0	0.0	56	52	54	65	E	1.8	0.0	57	52	55	68	NNE	3.9	0.0	53	45	50	59	WNW	4.2	0.2	53	44	50	64	N	1.9	0.0	52	44	49	63	ENE	1.2	0.0	52	45	50	65	SE	1.5	0.0	
2:00	52	45	49	64	NE	0.8	0.0	54	50	53	71	N	0.0	0.0	52	48	51	74	NNE	4.7	0.0	51	42	48	59	WNW	3.6	0.0	53	43	50	60	NNE	1.7	0.0	51	42	49	72	ENE	1.6	0.0	51	43	48	66	SSW	1.2	0.0	
3:00	53	44	51	70	NE	1.8	0.0	53	49	52	65	ENE	1.3	0.0	52	47	50	61	NNE	4.6	0.0	52	43	49	67	WNW	3.6	0.0	53	43	51	75	N	0.0	0.0	51	43	48	64	NE	2.2	0.0	52	43	49	67	SW	1.6	0.0	
4:00	53	46	51	67	N	0.0	0.0	53	48	51	63	ENE	1.9	0.0					NNE	5.1	0.0	53	45	50	63	WNW	4.4	0.0	55	46	52	64	NNE	1.1	0.0	53	46	51	72	ENE	1.8	0.0	55	47	52	72	SSW	0.3	0.0	
5:00	59	51	56	64	NE	0.8	0.0	54	49	52	70	E	2.2	0.0					NNE	6.5	0.0	57	51	55	68	NW	4.1	0.0	59	50	56	70	N	0.0	0.0	57	51	55	67	NE	2.5	0.0	59	52	57	66	SE	1.5	0.0	
6:00	60	57	59	70	NE	1.3	0.0	57	52	55	68	E	2.1	0.0					NNW	5.4	0.0	59	55	57	70	NW	5.0	0.0	60	57	59	72	ENE	0.3	0.0	59	55	57	74	NE	2.5	0.0	59	56	58	69	N	0.0	0.0	
7:00	62	58	60	72	NE	1.0	0.0	57	53	55	68	E	2.1	0.0					NNW	5.4	0.0	59	56	58	70	NW	4.4	0.0	60	56	59	80	N	0.0	0.0	60	57	59	72	NE	1.8	0.0	59	55	58	73	N	0.0	0.0	
8:00	60	57	59	74	NE	1.4	0.0	58	54	57	82	NE	1.8	0.0	56	50	54	83	NNW	3.9	0.0	59	56	58	73	NW	4.7	0.0	60	56	59	74	ENE	1.9	0.0	60	57	58	74	NE	2.7	0.0	59	55	57	80	N	0.0	0.0	
9:00	58	54	57	76	ENE	1.1	0.0	58	53	56	72	WNW	4.5	0.0					NNW	5.6	0.0	59	55	57	71	WNW	4.8	0.0	59	55	58	73	ENE	0.8	0.0	58	55	57	77	NNE	3.8	0.0	58	55	57	69	N	0.0	0.0	
10:00	58	54	56	73	NE	2.2	0.0	62	56	59	71	SW	3.8	0.0					NW	5.3	0.0					W	6.9	0.0	59	55	57	70	E	1.9	0.0				N	5.0	0.0	58	55	57	75	S	1.4	0.0		
11:00	56	53	55	75	N	3.8	0.0	62	59	61	81	ESE	0.5	0.0					WNW	7.2	0.0					W	6.5	0.0	59	55	57	67	N	1.9	0.0				N	5.8	0.0	58	55	57	78	SSW	2.8	0.0		
12:00	57	53	55	74	NNE	3.9	0.0					E	2.5	3.4					W	5.2	0.0					W	6.5	0.0				N	5.3	0.0				N	6.1	0.0	58	54	57	77	SSW	1.6	0.0			
13:00	58	53	56	74	NE	3.1	0.0					E	2.2	3.2					WSW	5.4	0.0					W	5.8	0.0	57	54	56	70	NNW	4.6	0.0				N	5.3	0.0	58	54	57	67	SW	3.6	0.0		
14:00	58	54	56	67	ENE	3.0	0.0					E	2.5	6.2	57	53	56	73	W	4.1	0.0					W	5.0	0.0	57	54	56	77	N	4.9	0.0	57	53	56	80	NNW	5.0	0.0	59	55	57	71	SSW	3.0	0.0	
15:00	57	50	55	70	N	3.0	0.0					ENE	2.1	1.6	57	53	55	73	NW	3.9	0.0	61	55	59	76	SW	4.8	0.0	57	52	56	70	N	4.3	0.0	58	53	56	70	W	2.2	0.0	56	51	54	75	SSW	3.3	0.0	
16:00	53	49	52	70	N	3.5	0.0	58	55	57	66	NE	2.6	0.0					NNW	8.3	0.0	56	53	55	70	WSW	4.1	0.0	56	51	54	77	N	3.8	0.0	56	53	55	69	SW	4.1	0.0	56	51	54	73	SW	4.2	0.0	
17:00	56	50	55	78	N	3.6	0.0	58	54	56	74	N	3.6	0.0					NW	7.1	0.0					WSW	3.2	0.4	57	54	56	69	N	3.5	0.0	57	53	56	71	SSW	3.9	0.0	55	52	54	68	SW	3.3	0.0	
18:00	56	53	55	68	N	3.1	0.0	58	54	56	70	ENE	3.3	0.0					NW	6.4	0.0					W	6.1	0.0	58	54	56	73	N	2.7	0.0	59	56	58	74	SSW	4.2	0.0	60	53	58	78	S	2.2	0.0	
19:00	57	54	56	71	N	2.0	0.0	61	58	59	69	ESE	1.9	0.2					NNW	6.1	0.0	59	55	58	79	W	4.7	0.0	60	56	58	75	NE	1.9	0.0	62	57	60	72	SW	3.6	0.0	61	57	59	82	SSW	2.7	0.0	
20:00	57	53	55	70	NNW	2.7	0.0	59	55	58	65	E	2.2	0.0					W	6.4	0.0	58	54	56	68	WSW	2.8	0.0	57	55	56	71	NE	2.2	0.0	61	56	59	68	S	2.5	0.0	60	56	59	79	SSW	2.5	0.0	
21:00	58	53	56	68	N	0.8	0.0	58	55	57	70	E	1.5	0.2					WSW	7.0	0.0	57	52	55	67	WSW	3.0	0.0	57	54	56	66	NE	2.5	0.0	61	56	59	71	SSW	2.3	0.0	59	56	58	68	S	1.7	0.0	
22:00	59	55	57	76	NNE	1.9	0.0	59	56	58	69	E	1.8	0.0					W	5.4	0.6	55	50	53	65	W	2.8	0.0	56	52	55	64	NE	2.2	0.0	57	53	56	73	SW	2.3	0.0	58	55	56	70	SW	1.1	0.0	
23:00	58	54	56	70	NE	0.5	0.0	58	55	57	67	E	0.3	0.0					WNW	3.1	5.2	54	48	52	63	NW	1.5	0.0	56	50	54	74	NE	1.4	0.0	56	51	54	69	SSW	1.9	0.0	58	54	56	72	N	0.0	0.0	
L ₁₀ , 18hr, 6-24h	58																											58																						
L _{eq} , 15hr, 7-22h		56																											57																					
L _{eq} , 9hr, 22-7h		55																											54																					
L _{eq} , 16hr, 6-22h		57																											57																					
L _{eq} , 8hr, 22-6h		54																											52																					
L _{max} , 24h			78																											80																				
Adverse Weather Count	0							4							17							8							1							4							0							

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

4 Carron Street, Balwyn North

SITE ID

35

Dominant Road	Eastern Freeway	From	1/05/2018	Address	4 Carron Street
18-hr Traffic Flow	-	To	9/05/2018	Suburb	Balwyn North
Road Surface	Stone Seal	Mic. Height (m)	2	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 5'21.63"E
Distance to Road (m)	185	Inst. Serial #	465445	Latitude	37°46'54.07"S
% of H.V.	-	Operator	MV	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	2/05	5/05	6/05	8/05
L _{10,18hr} , Arith Av, 6-24h	64	64 dBA	64 dBA	64 dBA	63 dBA
L _{eq,15hr} , Log Av, 7-22h	63	63 dBA	64 dBA	63 dBA	62 dBA
L _{eq,16hr} , Log Av, 6-22h	63	63 dBA	63 dBA	63 dBA	62 dBA
L _{eq,8hr} , Log Av, 22-6h	60	60 dBA	60 dBA	61 dBA	57 dBA
L _{eq,9hr} , Log Av, 22-7h	60	61 dBA	60 dBA	61 dBA	58 dBA

Site Zoom



Site Overview

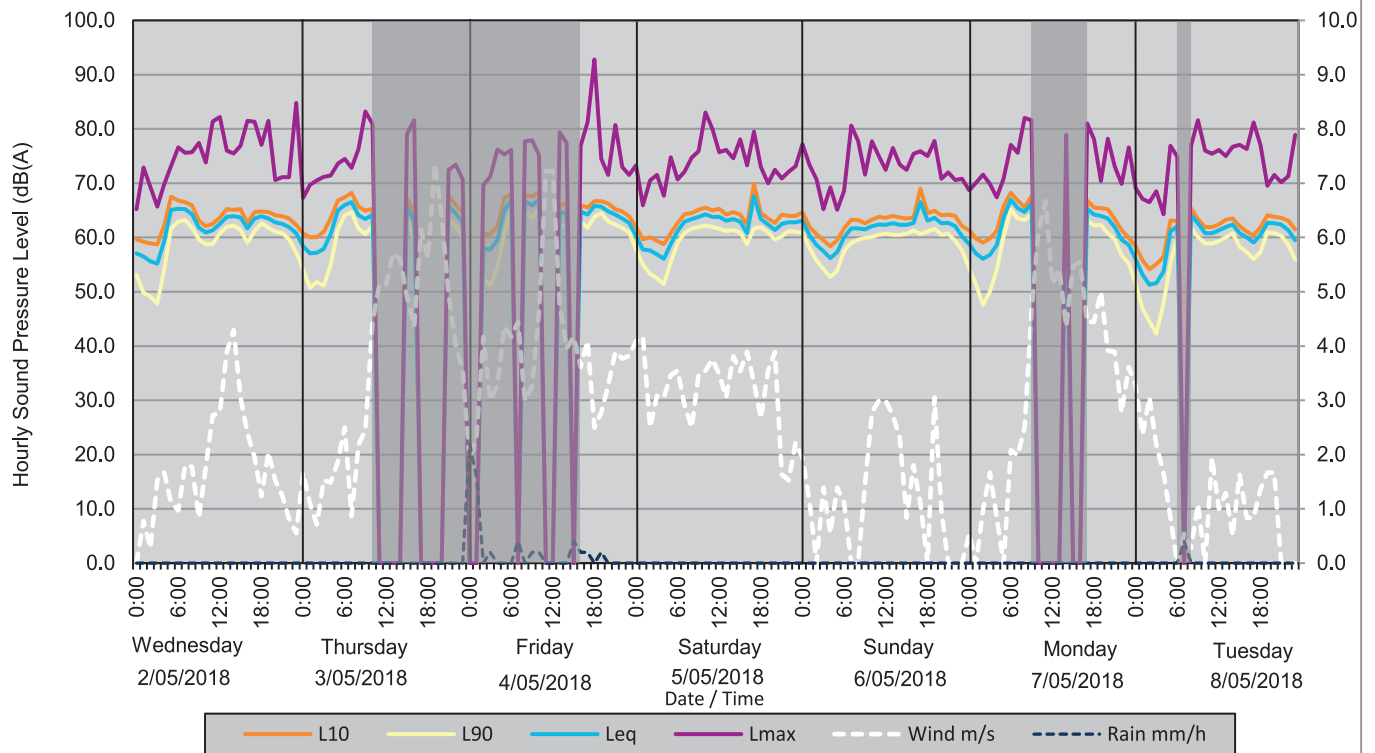


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Noise Monitoring Data Sheet

33 Estelle St, Bulleen

SITE ID

36

Dominant Road	Eastern Freeway	From	1/05/2018	Address	33 Estelle St
18-hr Traffic Flow	-	To	9/05/2018	Suburb	Bulleen
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 5'31.09"E
Distance to Road (m)	65	Inst. Serial #	865769	Latitude	37°46'44.62"S
% of H.V.	-	Operator	MV	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	2/05	5/05	6/05	8/05
L _{10,18hr} , Arith Av, 6-24h	63	63 dBA	63 dBA	62 dBA	64 dBA
L _{eq,15hr} , Log Av, 7-22h	62	62 dBA	62 dBA	61 dBA	63 dBA
L _{eq,16hr} , Log Av, 6-22h	62	62 dBA	62 dBA	61 dBA	63 dBA
L _{eq,8hr} , Log Av, 22-6h	58	58 dBA	58 dBA	59 dBA	57 dBA
L _{eq,9hr} , Log Av, 22-7h	59	60 dBA	58 dBA	59 dBA	58 dBA

Site Zoom



Site Overview

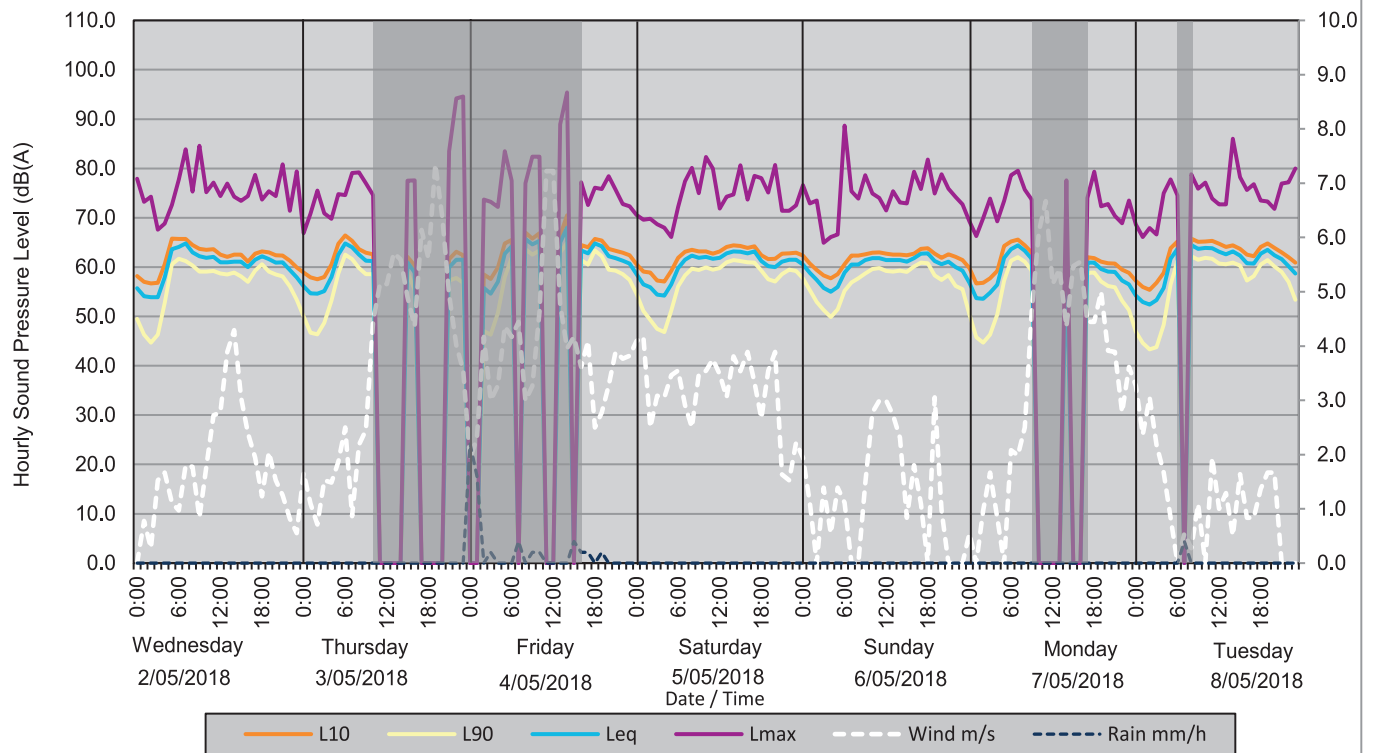


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Wednesday 02/05/2018							Thursday 03/05/2018							Friday 04/05/2018							Saturday 05/05/2018							Sunday 06/05/2018							Monday 07/05/2018							Tuesday 08/05/2018										
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h											
0:00	58	50	56	78	N	0.0	0.0	59	50	56	67	NE	1.7	0.0					E	1.9	2.2	61	55	59	71	N	4.1	0.0	62	58	61	77	NNE	1.9	0.0	60	50	57	69	NE	0.5	0.0	57	47	54	69	NNW	3.3	0.0				
1:00	57	46	54	73	N	0.8	0.0	58	47	55	71	NE	1.1	0.0					NE	2.3	1.6	59	51	57	70	N	4.2	0.0	61	55	59	73	NNE	1.1	0.0	57	46	54	66	N	0.0	0.0	56	45	53	66	W	2.4	0.0				
2:00	57	45	54	74	N	0.3	0.0	58	46	55	76	N	0.7	0.0	59	47	56	74	N	4.2	0.0	59	49	56	70	N	2.5	0.0	59	53	57	74	N	0.0	0.0	57	45	54	70	NE	1.0	0.0	55	43	52	68	WSW	3.1	0.0				
3:00	57	46	54	68	N	1.5	0.0	58	49	55	71	N	1.5	0.0	58	46	55	73	NNE	3.0	0.2	57	48	54	69	N	3.1	0.0	58	51	56	65	NE	1.4	0.0	58	46	55	74	NE	1.7	0.0	57	44	53	67	W	2.2	0.0				
4:00	61	53	58	69	N	1.7	0.0	61	53	58	70	N	1.5	0.0	60	51	57	72	NE	3.3	0.0	57	47	54	68	NNW	3.1	0.0	58	50	55	66	NE	0.5	0.0	59	50	56	69	NE	0.8	0.0	59	48	56	75	W	1.7	0.0				
5:00	66	61	64	73	N	1.1	0.0	65	59	63	75	N	1.9	0.0	65	58	63	84	NNW	4.4	0.0	59	51	57	66	N	3.5	0.0	59	51	56	67	NE	1.4	0.0	64	57	62	73	N	0.0	0.0	64	56	62	78	W	0.8	0.0				
6:00	66	62	64	78	NNW	1.0	0.0	66	63	65	75	N	2.5	0.0	66	62	64	78	NNW	4.2	0.0	62	56	60	72	NNW	3.5	0.0	61	55	59	89	NE	1.1	0.0	65	61	64	79	NNE	2.1	0.0	65	61	64	75	N	0.0	0.0				
7:00	66	61	65	84	NNW	1.8	0.0	65	62	64	79	N	0.9	0.0					NW	4.4	0.4	63	58	62	77	N	2.9	0.0	62	57	61	75	N	0.0	0.0	66	62	64	80	N	2.0	0.0					W	0.5	0.4				
8:00	65	60	63	75	N	1.8	0.0	64	60	63	79	NNE	2.2	0.0	67	64	66	77	NW	3.0	0.0	64	60	62	80	NE	2.5	0.0	62	58	61	74	N	0.0	0.0	64	61	63	76	NNE	2.5	0.0	66	62	65	79	W	0.3	0.0				
9:00	64	59	62	85	NNE	0.8	0.0	63	59	61	77	N	2.5	0.0	66	63	65	82	NNW	3.3	0.2	63	59	62	75	N	3.5	0.0	63	59	61	79	NNW	1.5	0.0	63	59	62	74	N	4.6	0.0	65	62	64	76	W	1.1	0.0				
10:00	64	59	62	75	N	1.8	0.0	63	59	61	75	NNE	4.4	0.0	67	63	65	82	WNW	4.6	0.2	63	60	62	82	N	3.5	0.0	63	60	62	75	WNW	2.8	0.0					N	6.1	0.0	65	62	64	77	N	0.0	0.0				
11:00	64	59	62	77	N	2.7	0.0					N	5.1	0.0					WNW	7.2	0.0	63	60	62	80	N	3.8	0.0	63	60	62	74	NNW	3.0	0.0					N	6.7	0.0	65	62	64	74	SW	1.9	0.0				
12:00	63	59	61	74	N	2.8	0.0					N	5.1	0.0					WNW	7.2	0.0	63	60	62	72	N	3.5	0.0	63	59	61	72	NW	3.0	0.0					N	5.1	0.0	65	61	63	73	S	1.0	0.0				
13:00	62	59	61	77	N	3.9	0.0					N	5.7	0.0	66	63	65	89	W	4.8	0.0	64	61	63	74	WNW	3.1	0.0	63	59	61	75	NNW	2.7	0.0					N	5.4	0.0	64	61	63	73	ESE	1.3	0.0				
14:00	63	59	61	74	N	4.3	0.0					NNE	5.6	0.0	71	65	68	95	WNW	4.0	0.0	64	61	63	75	W	3.8	0.0	63	59	61	73	WNW	2.3	0.0	63	60	62	78	N	4.4	0.0	64	61	63	86	N	0.5	0.0				
15:00	63	58	61	73	N	3.1	0.0	62	59	61	78	NNE	4.9	0.0					WNW	4.2	0.4	64	61	63	81	W	3.5	0.0	62	59	61	73	WNW	0.8	0.0					N	5.5	0.0	64	60	62	78	SE	1.6	0.0				
16:00	61	57	60	74	N	2.4	0.0	60	55	59	78	NNE	4.4	0.0	65	61	63	77	WNW	3.6	0.2	64	61	63	74	WNW	3.9	0.0	63	60	62	79	N	1.8	0.0					NNW	5.6	0.0	63	57	61	76	SE	0.8	0.0				
17:00	63	59	62	79	NE	1.9	0.0					N	6.1	0.0	64	61	63	73	WNW	4.1	0.2	64	61	63	79	WNW	3.3	0.0	64	61	63	76	N	1.1	0.0	62	59	61	74	N	4.4	0.0	62	58	61	77	SE	0.8	0.0				
18:00	63	61	62	74	NE	1.2	0.0					N	5.6	0.0	66	63	65	76	NW	2.5	0.0	62	59	61	78	N	2.7	0.0	64	61	63	82	N	0.0	0.0	62	59	61	79	N	4.4	0.0	64	61	63	74	SE	1.4	0.0				
19:00	63	59	62	75	ENE	2.0	0.0					NNE	7.4	0.0	65	62	64	76	NNW	2.8	0.2	62	58	60	75	N	3.5	0.0	63	58	61	75	NNW	3.1	0.0	61	57	60	72	N	5.0	0.0	65	61	64	73	ESE	1.7	0.0				
20:00	62	59	61	74	NE	1.5	0.0					N	6.4	0.0	64	60	62	78	NNE	3.3	0.0	62	57	60	81	N	3.9	0.0	62	57	61	79	NNW	1.0	0.0	61	56	59	73	N	3.9	0.0	64	60	62	72	E	1.7	0.0				
21:00	62	58	61	81	NE	1.3	0.0	62	57	60	84	N	5.0	0.0	63	59	62	76	N	3.9	0.0	63	59	61	71	ENE	1.6	0.0	63	58	61	76	N	0.0	0.0	61	56	59	70	NNW	3.9	0.0	63	59	62	77	N	0.0	0.0				
22:00	61	56	59	71	NNE	0.8	0.0	63	58	62	94	N	4.0	0.0	63	59	61	73	N	3.8	0.0	63	60	62	71	N	1.5	0.0	62	56	60	74	N	0.0	0.0	60	53	57	69	NNW	2.8	0.0	62	57	60	77	N	0.0	0.0				
23:00	60	53	58	79	NE	0.6	0.0	62	57	62	95	NNW	3.5	0.0	62	57	61	72	NNW	3.8	0.0	63	59	62	73	NNW	2.2	0.0	61	56	59	73	N	0.0	0.0	59	51	57	74	NNW	3.6	0.0	61	53	59	80	N	0.0	0.0				
L ₁₀ , 18hr, 6-24h	63																				63																																
L _{eq} , 15hr, 7-22h			62																					62																													
L _{eq} , 9hr, 22-7h			60																					58																													
L _{eq} , 16hr, 6-22h			62																					62																													
L _{eq} , 8hr, 22-6h			58																						58																												
L _{max} , 24h			85																						82																												
Adverse Weather Count	0							8							6							0							0							6							1										

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

117 Willow Bend, Bulleen

SITE ID

37

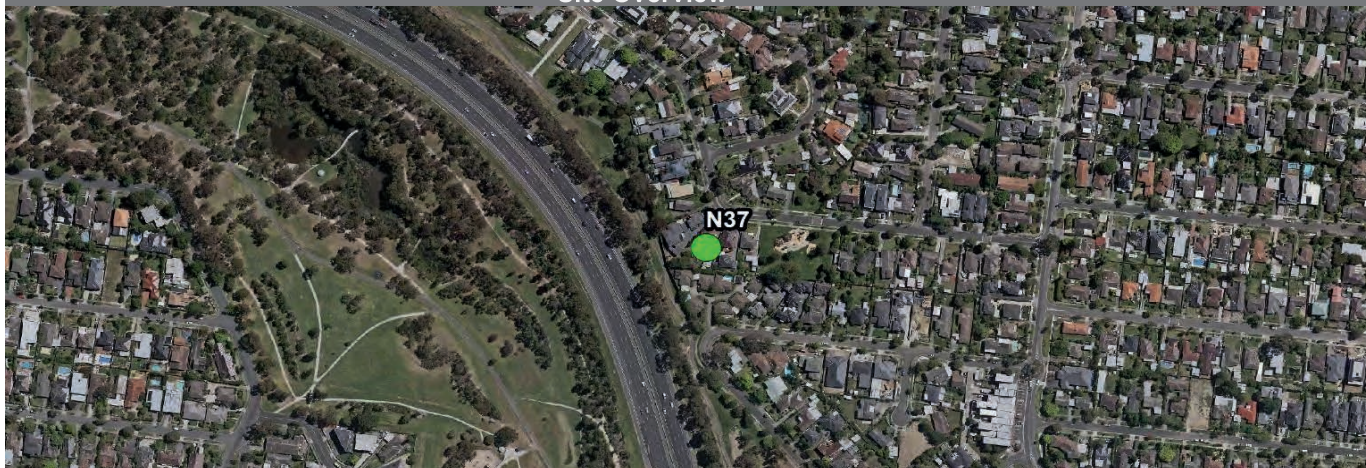
Dominant Road	Eastern Freeway	From	23/03/2018	Address	117 Willow Bend
18-hr Traffic Flow	-	To	3/04/2018	Suburb	Bulleen
Road Surface	Stone Seal	Mic. Height (m)	2.2	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 6'0.23"E
Distance to Road (m)	65	Inst. Serial #	865769	Latitude	37°46'55.71"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	23/03	27/03	29/03	30/03	31/03	1/04	2/04
L _{10,18hr} , Arith Av, 6-24h	62	61 dBA	61 dBA	64 dBA	63 dBA	62 dBA	61 dBA	64 dBA
L _{eq,15hr} , Log Av, 7-22h	62	60 dBA	60 dBA	63 dBA	62 dBA	61 dBA	60 dBA	63 dBA
L _{eq,16hr} , Log Av, 6-22h	61	60 dBA	60 dBA	63 dBA	62 dBA	61 dBA	59 dBA	63 dBA
L _{eq,8hr} , Log Av, 22-6h	58	59 dBA	58 dBA	59 dBA	57 dBA	57 dBA	56 dBA	57 dBA
L _{eq,9hr} , Log Av, 22-7h	58	60 dBA	59 dBA	59 dBA	57 dBA	57 dBA	55 dBA	57 dBA

Site Zoom



Site Overview

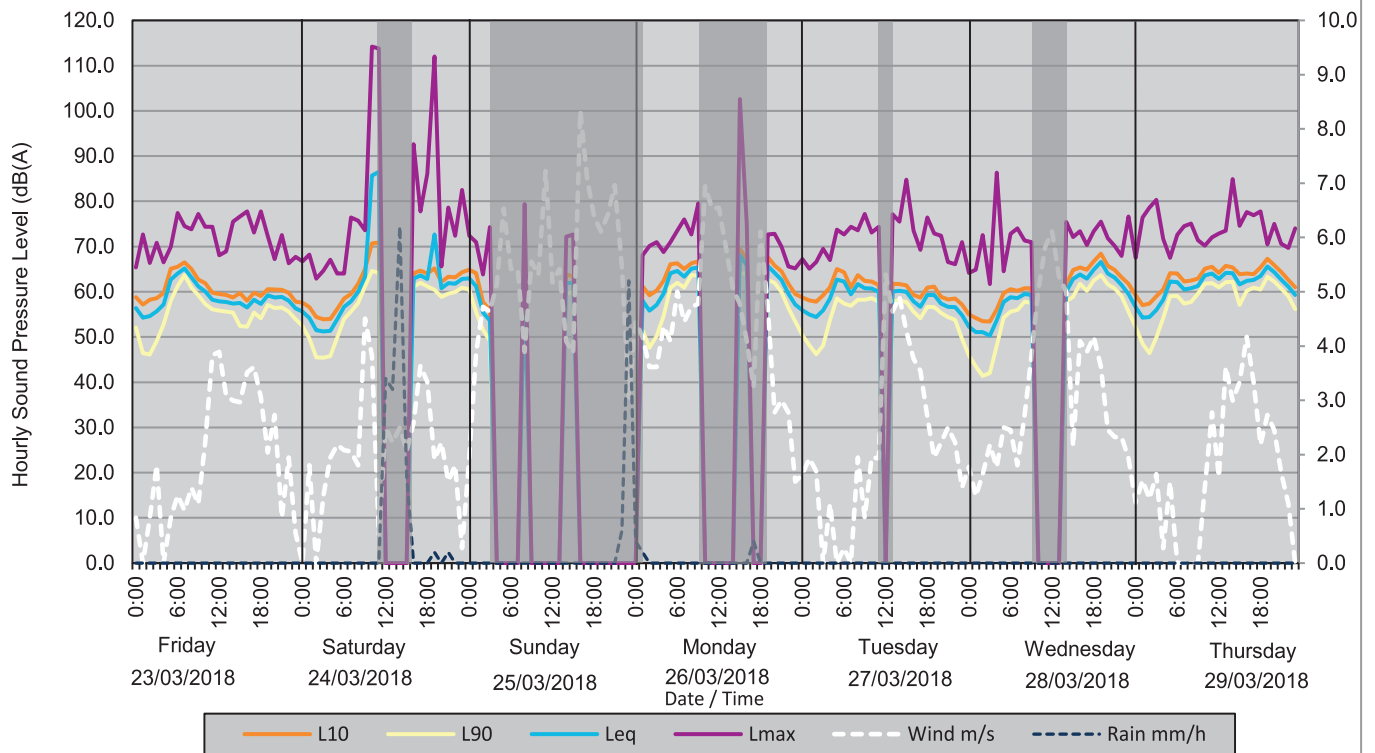


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Noise Monitoring Data Sheet

49 Gardenia Rd, Balwyn North

SITE ID

38

Dominant Road	Eastern Freeway	From	2/05/2018	Address	49 Gardenia Rd
18-hr Traffic Flow	-	To	9/05/2018	Suburb	Balwyn North
Road Surface	Stone Seal	Mic. Height (m)	1.6	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 5'55.77"E
Distance to Road (m)	85	Inst. Serial #	175537	Latitude	37°47'5.31"S
% of H.V.	-	Operator	MV	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	2/05	5/05	6/05	8/05
L _{10,18hr} , Arith Av, 6-24h	61	61 dBA	62 dBA	61 dBA	61 dBA
L _{eq,15hr} , Log Av, 7-22h	60	60 dBA	60 dBA	60 dBA	60 dBA
L _{eq,16hr} , Log Av, 6-22h	60	61 dBA	60 dBA	60 dBA	60 dBA
L _{eq,8hr} , Log Av, 22-6h	57	59 dBA	56 dBA	57 dBA	54 dBA
L _{eq,9hr} , Log Av, 22-7h	58	60 dBA	57 dBA	57 dBA	55 dBA

Site Zoom



Site Overview

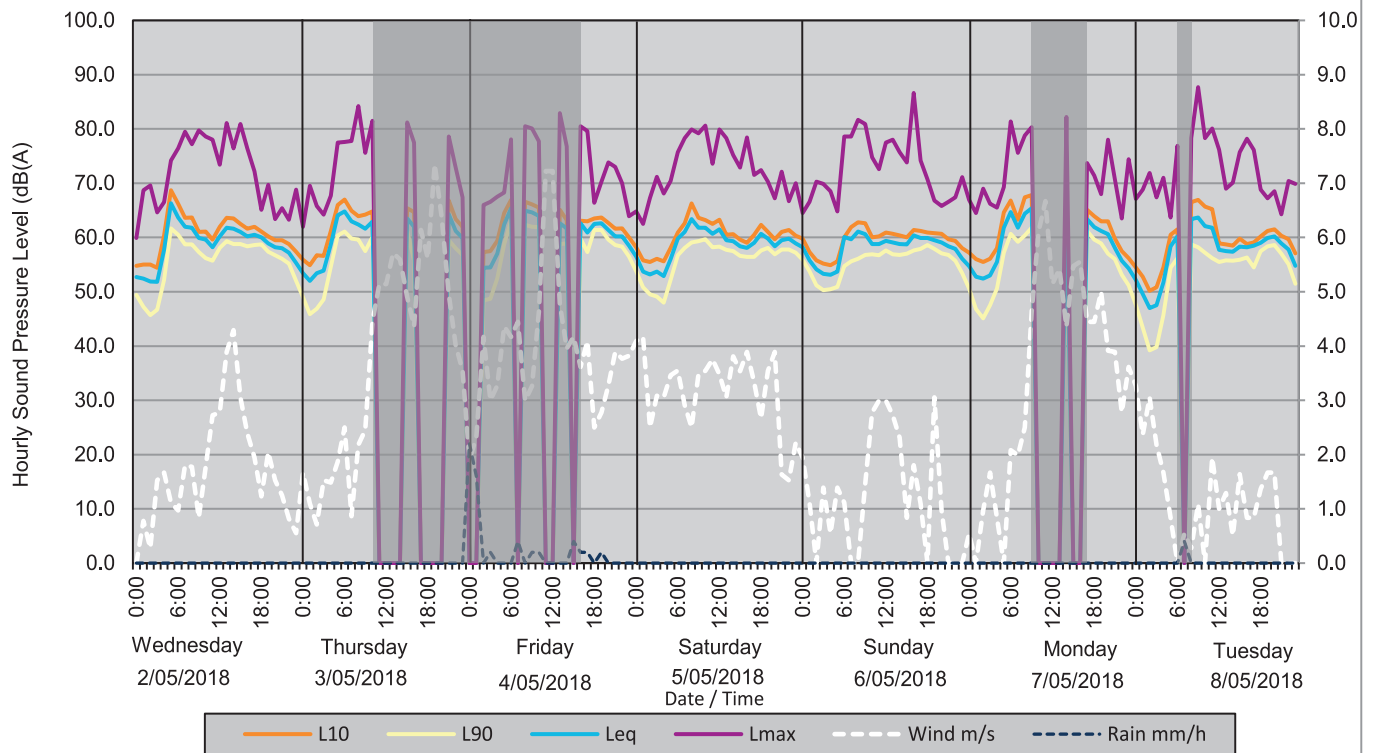


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Wednesday 02/05/2018						Thursday 03/05/2018						Friday 04/05/2018						Saturday 05/05/2018						Sunday 06/05/2018						Monday 07/05/2018						Tuesday 08/05/2018																
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h											
0:00	55	49	53	60	N	0.0	0.0	56	49	53	62	NE	1.7	0.0					E	1.9	2.2	58	54	57	65	N	4.1	0.0	60	56	58	65	NNE	1.9	0.0	57	51	55	67	NE	0.5	0.0	55	48	52	67	NNW	3.3	0.0				
1:00	55	47	52	69	N	0.8	0.0	55	46	52	70	NE	1.1	0.0					NE	2.3	1.6	56	51	54	63	N	4.2	0.0	57	54	56	67	NNE	1.1	0.0	56	47	53	65	N	0.0	0.0	53	43	50	69	W	2.4	0.0				
2:00	55	46	52	70	N	0.3	0.0	57	47	53	66	N	0.7	0.0	57	48	54	66	N	4.2	0.0	56	50	53	67	N	2.5	0.0	56	51	54	70	N	0.0	0.0	56	45	52	69	NE	1.0	0.0	50	39	47	72	WSW	3.1	0.0				
3:00	54	47	52	65	N	1.5	0.0	57	49	54	64	N	1.5	0.0	58	49	55	67	NNE	3.0	0.2	56	49	54	71	N	3.1	0.0	55	50	53	70	NE	1.4	0.0	56	48	53	66	NE	1.7	0.0	51	40	48	67	W	2.2	0.0				
4:00	60	52	58	67	N	1.7	0.0	61	55	59	68	N	1.5	0.0	59	53	57	68	NE	3.3	0.0	56	48	53	68	NNW	3.1	0.0	55	51	53	69	NE	0.5	0.0	58	51	56	66	NE	0.8	0.0	55	46	52	71	W	1.7	0.0				
5:00	69	62	66	74	N	1.1	0.0	66	60	64	78	N	1.9	0.0	65	59	62	68	NNW	4.4	0.0	58	52	56	70	N	3.5	0.0	56	51	54	65	NE	1.4	0.0	65	57	62	69	N	0.0	0.0	61	54	58	64	W	0.8	0.0				
6:00	66	61	64	76	NNW	1.0	0.0	67	61	65	78	N	2.5	0.0	67	63	65	78	NNW	4.2	0.0	61	57	60	76	NNW	3.5	0.0	60	55	60	79	NE	1.1	0.0	67	61	65	81	NNE	2.1	0.0	62	56	60	77	N	0.0	0.0				
7:00	64	59	62	80	NNW	1.8	0.0	65	60	63	78	N	0.9	0.0					NW	4.4	0.4	63	58	61	78	N	2.9	0.0	62	56	60	79	N	0.0	0.0	63	59	62	76	N	2.0	0.0					W	0.5	0.4				
8:00	64	59	62	77	N	1.8	0.0	64	60	62	84	NNE	2.2	0.0	67	62	65	81	NW	3.0	0.0	66	59	63	80	NE	2.5	0.0	63	56	61	82	N	0.0	0.0	67	60	64	79	NNE	2.5	0.0	67	59	63	78	W	0.3	0.0				
9:00	61	57	60	80	NNE	0.8	0.0	64	58	62	76	N	2.5	0.0	66	62	65	80	NNW	3.3	0.2	64	59	62	79	N	3.5	0.0	63	57	61	81	NNW	1.5	0.0	68	62	65	80	N	4.6	0.0	67	58	64	88	W	1.1	0.0				
10:00	61	56	60	79	N	1.8	0.0	65	60	63	82	NNE	4.4	0.0	66	62	64	78	WNW	4.6	0.2	63	60	62	81	N	3.5	0.0	60	57	59	75	WNW	2.8	0.0					N	6.1	0.0	66	57	62	78	N	0.0	0.0				
11:00	60	56	58	78	N	2.7	0.0					N	5.1	0.0					WNW	7.2	0.0	63	58	61	74	N	3.8	0.0	60	57	59	73	NNW	3.0	0.0					N	6.7	0.0	65	56	62	80	SW	1.9	0.0				
12:00	62	58	60	73	N	2.8	0.0					N	5.1	0.0					WNW	7.2	0.0	63	58	62	80	N	3.5	0.0	61	58	59	78	NW	3.0	0.0					N	5.1	0.0	59	56	58	76	S	1.0	0.0				
13:00	64	59	62	81	N	3.9	0.0					N	5.7	0.0	65	59	63	83	W	4.8	0.0	61	58	60	78	WNW	3.1	0.0	61	57	59	78	NNW	2.7	0.0					N	5.4	0.0	59	56	58	69	ESE	1.3	0.0				
14:00	64	59	62	76	N	4.3	0.0					NNE	5.6	0.0	63	59	62	77	WNW	4.0	0.0	61	58	59	75	W	3.8	0.0	60	57	59	76	WNW	2.3	0.0	67	62	65	82	N	4.4	0.0	59	56	57	70	N	0.5	0.0				
15:00	63	59	61	81	N	3.1	0.0	65	61	64	81	NNE	4.9	0.0					WNW	4.2	0.4	60	57	58	73	W	3.5	0.0	60	57	59	74	WNW	0.8	0.0					N	5.5	0.0	60	56	58	76	SE	1.6	0.0				
16:00	62	58	60	76	N	2.4	0.0	65	56	62	78	NNE	4.4	0.0	63	60	63	81	WNW	3.6	0.2	59	56	58	78	WNW	3.9	0.0	61	58	60	87	N	1.8	0.0					NNW	5.6	0.0	59	56	58	78	SE	0.8	0.0				
17:00	62	59	61	72	NE	1.9	0.0					N	6.1	0.0	63	57	61	80	WNW	4.1	0.2	61	56	59	72	WNW	3.3	0.0	61	58	60	74	N	1.1	0.0	65	61	63	74	N	4.4	0.0	59	55	59	76	SE	0.8	0.0				
18:00	61	59	60	65	NE	1.2	0.0					N	5.6	0.0	64	61	63	66	NW	2.5	0.0	62	58	61	72	N	2.7	0.0	61	59	60	71	N	0.0	0.0	64	60	62	71	N	4.4	0.0	60	58	59	69	SE	1.4	0.0				
19:00	60	57	59	70	ENE	2.0	0.0					NNE	7.4	0.0	64	61	63	70	NNW	2.8	0.2	61	58	60	70	N	3.5	0.0	61	58	60	67	NNW	3.1	0.0	63	59	61	68	N	5.0	0.0	61	58	60	67	ESE	1.7	0.0				
20:00	60	57	58	63	NE	1.5	0.0					N	6.4	0.0	63	60	61	74	NNE	3.3	0.0	60	57	58	67	N	3.9	0.0	61	57	59	66	NNW	1.0	0.0	63	57	61	78	N	3.9	0.0	62	59	60	69	E	1.7	0.0				
21:00	60	56	58	65	NE	1.3	0.0	67	60	64	79	N	5.0	0.0	62	59	60	73	N	3.9	0.0	61	58	60	72	ENE	1.6	0.0	60	57	58	67	N	0.0	0.0	60	56	58	71	NNW	3.9	0.0	60	57	59	64	N	0.0	0.0				
22:00	59	55	57	63	NNE	0.8	0.0	63	58	61	73	N	4.0	0.0	62	58	60	70	N	3.8	0.0	61	58	60	67	N	1.5	0.0	59	56	58	67	N	0.0	0.0	58	53	56	64	NNW	2.8	0.0	60	55	58	70	N	0.0	0.0				
23:00	57	52	55	69	NE	0.6	0.0	62	57	60	67	NNW	3.5	0.0	60	57	59	64	NNW	3.8	0.0	60	57	59	70	NNW	2.2	0.0	58	53	56	71	N	0.0	0.0	56	51	54	74	NNW	3.6	0.0	57	52	55	70	N	0.0	0.0				
L ₁₀ , 18hr, 6-24h	61																					62																															
L _{eq} , 15hr, 7-22h		60																					60																														
L _{eq} , 9hr, 22-7h		60																					57																														
L _{eq} , 16hr, 6-22h		61																					60																														
L _{eq} , 8hr, 22-6h		59																					56																														
L _{max} , 24h			81																					81																													
Adverse Weather Count	0						8						6						0						0						6						1																

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

3/69 Sweyn St, Balwyn North

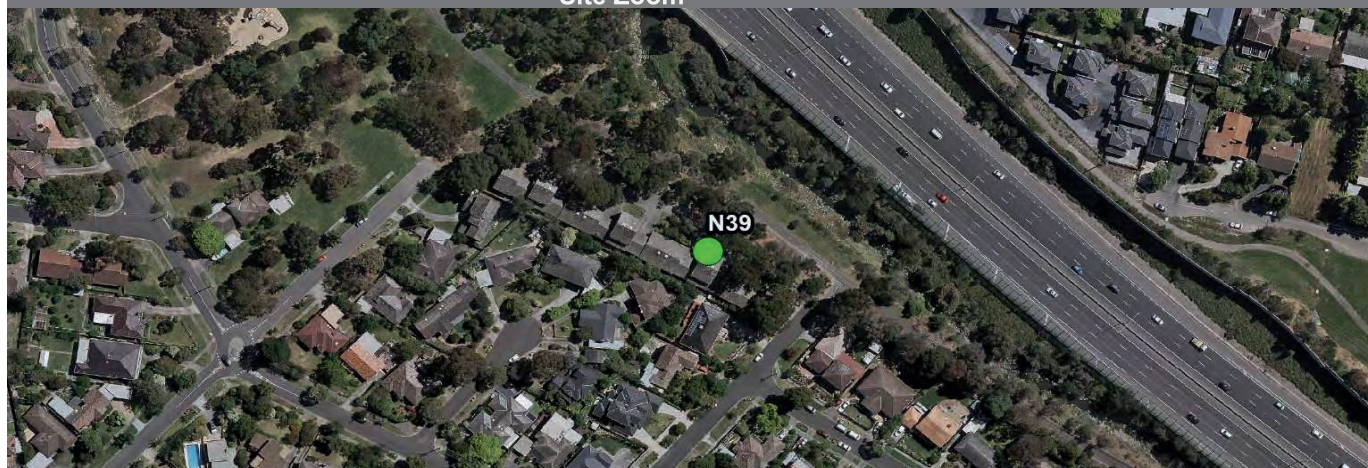
SITE ID

39

Dominant Road	Eastern Freeway	From	21/04/2018	Address	3/69 Sweyn St
18-hr Traffic Flow	-	To	1/05/2018	Suburb	Balwyn North
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 6'21.10"E
Distance to Road (m)	70	Inst. Serial #	354110	Latitude	37°47'32.38"S
% of H.V.	-	Operator	MV	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	21/04	22/04	23/04	24/04	26/04	27/04	28/04	29/04	30/04
L _{10,18hr} , Arith Av, 6-24h	57	57 dBA	56 dBA	59 dBA	59 dBA	57 dBA	57 dBA	57 dBA	56 dBA	58 dBA
L _{eq,15hr} , Log Av, 7-22h	57	56 dBA	56 dBA	59 dBA	59 dBA	56 dBA	57 dBA	56 dBA	55 dBA	57 dBA
L _{eq,16hr} , Log Av, 6-22h	57	56 dBA	56 dBA	59 dBA	59 dBA	56 dBA	57 dBA	56 dBA	55 dBA	57 dBA
L _{eq,8hr} , Log Av, 22-6h	52	53 dBA	52 dBA	51 dBA	54 dBA	53 dBA	52 dBA	51 dBA	50 dBA	52 dBA
L _{eq,9hr} , Log Av, 22-7h	53	53 dBA	52 dBA	53 dBA	56 dBA	54 dBA	53 dBA	52 dBA	51 dBA	53 dBA

Site Zoom



Site Overview

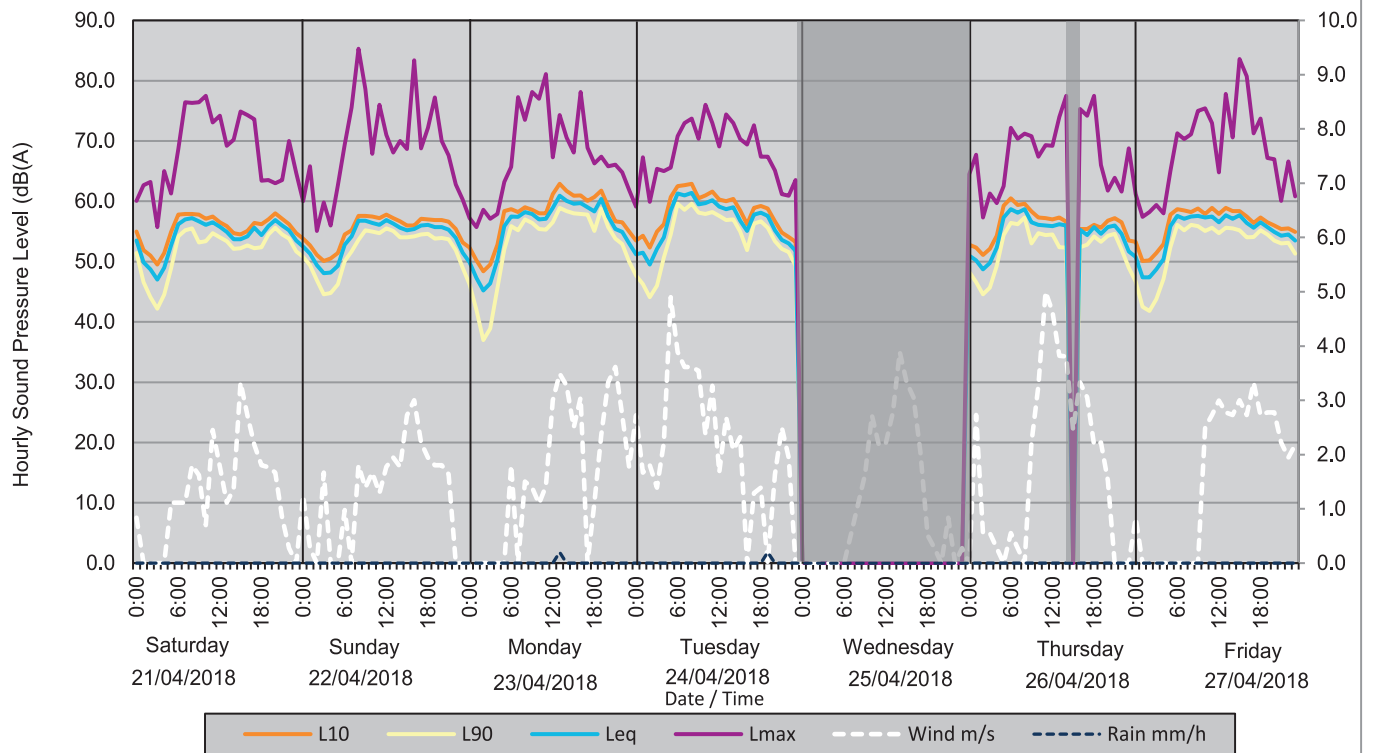


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Saturday 21/04/2018							Sunday 22/04/2018							Monday 23/04/2018							Tuesday 24/04/2018							Wednesday 25/04/2018							Thursday 26/04/2018							Friday 27/04/2018						
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	55	51	54	60	WSW	0.8	0.0	54	51	53	60	W	1.3	0.0	52	46	50	57	N	0.0	0.0	54	48	51	59	ENE	2.7	0.0				N	0.0	0.0	53	48	51	65	N	0.0	0.0	53	47	51	61	SSW	0.8	0.0	
1:00	52	47	50	63	N	0.0	0.0	53	49	51	66	W	0.3	0.0	50	42	47	56	N	0.0	0.0	54	46	52	67	NE	1.7	0.0				N	0.0	0.0	52	47	50	68	WNW	2.7	0.0	50	43	47	57	N	0.0	0.0	
2:00	51	44	49	63	N	0.0	0.0	51	47	49	55	N	0.0	0.0	48	37	45	59	N	0.0	0.0	52	44	50	60	NNE	1.8	0.0				N	0.0	0.0	51	45	49	57	NW	0.6	0.0	50	42	47	58	N	0.0	0.0	
3:00	50	42	47	56	N	0.0	0.0	50	45	48	60	W	1.7	0.0	50	39	46	57	N	0.0	0.0	55	46	52	65	NE	1.4	0.0				N	0.0	0.0	52	46	50	61	NW	0.6	0.0	51	44	49	59	N	0.0	0.0	
4:00	51	45	49	65	N	0.0	0.0	51	45	48	56	N	0.0	0.0	53	46	50	58	N	0.0	0.0	56	51	54	65	NE	2.2	0.0				N	0.0	0.0	54	49	52	60	NW	0.3	0.0	53	47	50	58	N	0.0	0.0	
5:00	55	49	53	61	WSW	1.1	0.0	51	46	49	63	N	0.0	0.0	58	52	56	63	N	0.0	0.0	61	55	59	66	NNE	4.9	0.0				N	0.0	0.0	59	54	57	63	N	0.0	0.0	58	52	56	65	N	0.0	0.0	
6:00	58	54	56	69	WSW	1.1	0.0	55	50	53	69	NNE	1.0	0.0	59	56	58	66	NW	1.8	0.0	63	60	61	71	N	3.9	0.0				N	0.0	0.0	61	56	59	72	NNW	0.6	0.0	59	56	58	71	N	0.0	0.0	
7:00	58	55	57	76	WSW	1.1	0.0	55	52	54	76	N	0.0	0.0	58	55	57	77	N	0.0	0.0	63	59	61	73	NNE	3.6	0.0				WSW	0.6	0.0	59	56	58	70	NW	0.3	0.0	59	55	57	70	N	0.0	0.0	
8:00	58	56	57	76	WSW	1.8	0.0	58	54	57	85	ENE	1.8	0.0	59	57	58	74	S	1.5	0.0	63	60	61	74	NNE	3.6	0.0				SW	1.1	0.0	60	57	59	71	N	0.0	0.0	58	56	58	71	N	0.0	0.0	
9:00	58	53	57	76	W	1.6	0.0	58	55	57	79	ENE	1.4	0.0	59	56	58	78	SE	1.4	0.0	61	58	60	70	NNE	3.5	0.0				SW	1.6	0.0	58	53	57	71	WSW	2.2	0.0	59	56	58	75	N	0.0	0.0	
10:00	57	53	56	78	NNE	0.7	0.0	58	55	56	68	ENE	1.7	0.0	58	55	57	77	SE	1.1	0.0	61	58	60	76	NNE	2.4	0.0				WSW	2.7	0.0	57	55	56	67	WSW	3.3	0.0	58	55	57	75	SSE	2.5	0.0	
11:00	58	55	57	73	NE	2.5	0.0	57	55	56	76	SE	1.3	0.0	58	55	57	81	E	1.4	0.0	62	58	60	73	NNE	3.3	0.0				WSW	2.2	0.0	57	54	56	69	SW	5.0	0.0	59	56	58	73	S	2.7	0.0	
12:00	57	54	56	74	NNE	1.8	0.0	58	56	57	71	ESE	1.8	0.0	61	57	59	67	NNE	3.0	0.0	60	58	59	69	NNE	1.7	0.0				SW	2.2	0.0	57	55	56	69	SW	4.6	0.0	58	55	57	65	SSE	3.0	0.0	
13:00	56	53	55	69	NE	1.1	0.0	57	55	56	68	SSW	1.9	0.0	63	59	61	74	N	3.5	0.2	60	57	59	74	N	2.7	0.0				SW	2.8	0.0	57	52	56	74	SSW	3.8	0.0	59	56	58	78	SSE	2.8	0.0	
14:00	55	52	54	70	S	1.4	0.0	57	54	56	70	SW	1.8	0.0	62	58	60	71	NNW	3.3	0.0	60	57	59	73	WNW	2.1	0.0				SSW	3.9	0.0	57	52	56	78	SSW	3.8	0.0	58	56	57	71	S	2.7	0.0	
15:00	55	52	54	75	SW	3.3	0.0	56	54	55	69	SSW	2.7	0.0	61	58	60	68	N	2.5	0.0	59	55	57	70	WSW	2.3	0.0				SW	3.3	0.0				SSW	2.5	0.0	58	55	58	84	S	3.0	0.0		
16:00	55	53	54	74	WSW	2.7	0.0	56	54	55	83	SSW	3.0	0.0	61	58	60	78	N	3.1	0.0	56	52	55	69	N	0.0	0.0				SW	3.1	0.0	55	52	55	75	S	3.3	0.0	58	54	56	81	S	2.7	0.0	
17:00	56	52	56	74	SW	2.2	0.0	57	55	56	69	SW	2.2	0.0	60	58	59	69	N	0.0	0.0	59	56	58	73	NE	1.3	0.0				SSW	2.0	0.0	55	53	54	74	S	3.1	0.0	56	54	56	71	S	3.3	0.0	
18:00	56	52	54	63	SW	1.8	0.0	57	55	56	72	SW	1.9	0.0	61	55	58	66	NE	1.1	0.0	59	57	58	67	NE	1.4	0.0				S	0.5	0.0	56	54	56	78	SSW	2.2	0.0	57	55	57	74	S	2.7	0.0	
19:00	57	55	56	64	WSW	1.8	0.0	57	54	56	77	WSW	1.8	0.0	62	59	60	67	ENE	2.4	0.0	59	56	58	67	N	0.0	0.2				SE	0.3	0.0	56	53	55	66	S	2.2	0.0	57	55	56	67	S	2.8	0.0	
20:00	58	56	57	63	W	1.7	0.0	57	54	56	70	WSW	1.8	0.0	59	56	58	66	ENE	3.3	0.0	57	53	55	65	SW	1.6	0.0				N	0.0	0.0	57	54	56	62	S	1.5	0.0	56	54	55	67	S	2.8	0.0	
21:00	57	55	56	64	W	0.8	0.0	57	54	55	68	W	1.6	0.0	57	54	55	66	ENE	3.6	0.0	55	52	54	61	SW	2.5	0.0				ESE	0.8	0.0	57	55	56	64	N	0.0	0.0	55	53	54	60	S	2.2	0.0	
22:00	56	54	55	70	W	0.3	0.0	55	52	54	63	N	0.0	0.0	57	53	55	65	ENE	2.7	0.0	54	52	53	61	WSW	1.9	0.0				N	0.0	0.0	57	52	55	62	N	0.0	0.0	56	53	55	67	SW	1.9	0.0	
23:00	55	52	54	65	N	0.0	0.0	53	49	52	60	N	0.0	0.0	55	50	53	62	NE	1.8	0.0	53	49	52	64	N	0.0	0.0				ESE	0.3	0.0	54	49	52	69	N	0.0	0.0	55	51	54	61	SSW	2.2	0.0	
L ₁₀ , 18hr, 6-24h	57							56							59																																		
L _{eq} , 15hr, 7-22h		56							56							59																																	
L _{eq} , 9hr, 22-7h		53							52							53																																	
L _{eq} , 16hr, 6-22h		56							56							59																																	
L _{eq} , 8hr, 22-6h		53							52							51																																	
L _{max} , 24h				78							85							81								76																							
Adverse Weather Count	0							0							0							0							24							1							0						

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

39 Stanton Rd, Doncaster

SITE ID

40

Dominant Road	Eastern Freeway	From	24/02/2018	Address	39 Stanton Rd
18-hr Traffic Flow	-	To	6/03/2018	Suburb	Doncaster
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 6'44.26"E
Distance to Road (m)	35	Inst. Serial #	175537	Latitude	37°47'39.97"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	26/02	27/02	2/03	3/03	4/03
L _{10,18hr} , Arith Av, 6-24h	68	69 dBA	67 dBA	69 dBA	68 dBA	69 dBA
L _{eq,15hr} , Log Av, 7-22h	67	68 dBA	66 dBA	68 dBA	67 dBA	67 dBA
L _{eq,16hr} , Log Av, 6-22h	67	68 dBA	66 dBA	68 dBA	67 dBA	68 dBA
L _{eq,8hr} , Log Av, 22-6h	63	64 dBA	62 dBA	63 dBA	62 dBA	63 dBA
L _{eq,9hr} , Log Av, 22-7h	63	64 dBA	63 dBA	64 dBA	63 dBA	63 dBA

Site Zoom



Site Overview

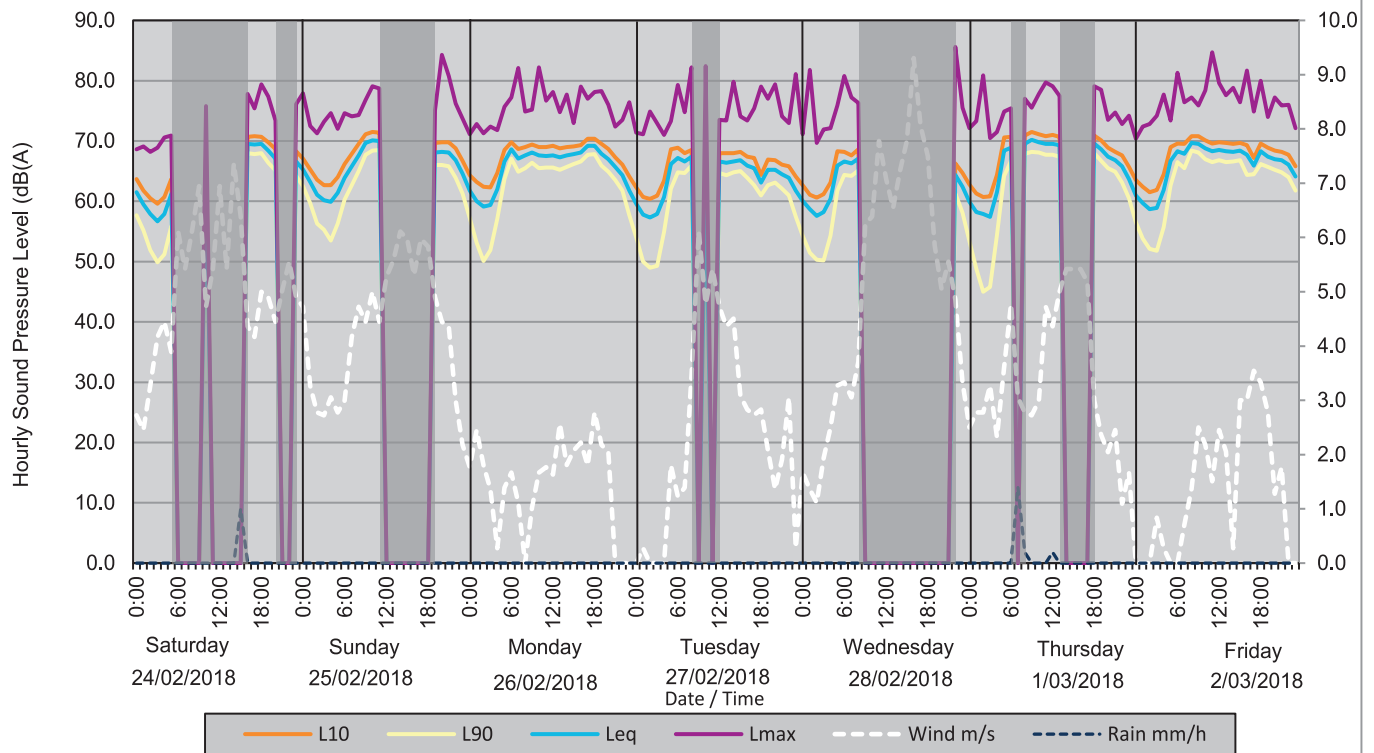


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Saturday 24/02/2018						Sunday 25/02/2018						Monday 26/02/2018						Tuesday 27/02/2018						Wednesday 28/02/2018						Thursday 01/03/2018						Friday 02/03/2018												
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	64	58	62	69	ENE	2.7	0.0	67	63	65	78	SSW	4.7	0.0	64	57	62	71	S	1.8	0.0	62	54	60	71	N	0.0	0.0	63	54	60	71	ENE	1.7	0.0	63	53	60	72	WSW	2.5	0.0	64	57	61	70	N	0.0	0.0
1:00	62	55	60	69	ENE	2.4	0.0	65	60	63	73	SSW	3.3	0.0	63	53	60	73	S	2.4	0.0	61	50	58	71	E	0.3	0.0	61	52	59	82	NE	1.4	0.0	61	49	58	73	W	2.8	0.0	62	54	60	72	N	0.0	0.0
2:00	61	52	58	68	NNE	3.3	0.0	64	56	61	71	SSW	2.8	0.0	62	50	59	71	SSE	1.8	0.0	60	49	57	75	N	0.0	0.0	61	50	58	70	E	1.1	0.0	61	45	58	81	W	2.8	0.0	62	52	59	73	N	0.0	0.0
3:00	60	50	57	69	NNE	4.2	0.0	63	55	60	73	SSW	2.7	0.0	62	52	59	72	SSW	1.4	0.0	61	49	58	73	N	0.0	0.0	61	50	58	72	NE	1.9	0.0	61	46	57	71	WSW	3.3	0.0	62	52	59	74	SE	0.8	0.0
4:00	61	51	58	71	NNE	4.4	0.0	63	54	60	75	S	3.1	0.0	65	57	62	72	S	0.3	0.0	63	55	61	71	N	0.0	0.0	63	54	60	72	ENE	2.5	0.0	64	54	62	72	WSW	2.3	0.0	65	56	62	78	SE	0.3	0.0
5:00	64	56	61	71	N	3.9	0.0	64	56	61	72	S	2.8	0.0	69	64	67	76	SSW	1.4	0.0	69	62	66	73	ENE	1.8	0.0	68	62	66	76	NE	3.3	0.0	71	64	68	75	SW	3.6	0.0	69	63	67	73	N	0.0	0.0
6:00					N	6.1	0.0	66	60	64	75	SSW	3.0	0.0	70	67	69	77	SSW	1.7	0.0	69	65	67	79	ENE	1.2	0.0	68	64	67	81	NE	3.3	0.0	71	67	69	75	SSW	4.8	0.0	70	67	68	81	N	0.0	0.0
7:00					N	5.4	0.0	68	63	66	74	SSW	4.2	0.0	69	65	67	82	SSW	1.1	0.0	68	65	67	75	ENE	1.4	0.0	68	64	66	77	ENE	3.1	0.0					SSW	3.1	1.4	70	66	68	76	S	0.7	0.0
8:00					N	6.1	0.0	70	65	68	74	SSW	4.7	0.0	69	66	68	75	N	0.0	0.0	69	66	67	82	NE	3.5	0.0	69	65	67	76	NNE	3.7	0.0	71	68	70	77	SSW	2.8	0.2	71	68	70	77	SSE	1.4	0.0
9:00					N	6.9	0.0	71	68	70	77	S	4.4	0.0	69	66	68	75	S	1.0	0.0					NNE	6.1	0.0					N	6.2	0.0	72	68	70	76	S	2.7	0.0	71	68	70	76	S	2.5	0.0
10:00	68	65	67	76	NNW	4.7	0.0	72	68	70	79	S	5.0	0.0	69	66	68	82	SSE	1.7	0.0	65	60	63	82	NNE	4.8	0.0					NNE	6.4	0.0	71	68	70	78	S	3.0	0.0	70	67	69	78	SW	2.2	0.0
11:00					NW	5.4	0.0	71	69	70	79	S	4.4	0.0	69	66	68	77	E	1.8	0.0					N	5.4	0.0					NNW	7.8	0.0	71	68	70	80	SSW	4.7	0.0	70	67	68	85	ESE	1.5	0.0
12:00					SSW	6.9	0.0					SSW	5.3	0.0	69	66	68	78	SSE	1.6	0.0	68	65	67	74	NNE	4.7	0.0					NW	7.1	0.0	71	68	70	79	SSW	4.4	0.2	70	67	69	80	S	2.4	0.0
13:00					SSW	5.4	0.0					SSW	5.6	0.0	69	65	67	75	WNW	2.6	0.0	68	64	66	73	NNE	4.4	0.0					WNW	6.5	0.0	71	67	69	78	SW	5.0	0.0	70	67	68	78	S	2.1	0.0
14:00					SW	7.4	0.0					SSW	6.1	0.0	69	66	68	78	WSW	1.8	0.0	68	65	67	80	NNE	4.5	0.0					W	7.2	0.0					SW	5.4	0.0	70	67	68	79	WSW	0.3	0.0
15:00					SW	6.4	1.0					SSW	6.0	0.0	69	66	68	73	W	2.1	0.0	68	65	67	74	ENE	3.1	0.0					W	7.8	0.0					SW	5.4	0.0	70	67	68	76	W	3.0	0.0
16:00	71	68	70	78	SW	4.4	0.0					SSW	5.3	0.0	69	67	68	79	W	2.2	0.0	67	64	66	73	NE	2.8	0.0					W	9.3	0.0					SW	5.4	0.0	69	64	68	82	W	3.0	0.0
17:00	71	68	69	75	SSW	4.2	0.0					SSW	6.0	0.0	70	68	69	77	SW	1.8	0.0	67	63	66	75	NNE	2.7	0.0					W	8.1	0.0					SW	5.2	0.0	67	65	66	75	W	3.5	0.0
18:00	71	68	70	79	SSW	5.0	0.0					SSW	5.8	0.0	70	68	69	78	SSW	2.8	0.0	64	61	63	79	NE	2.8	0.0					WSW	7.5	0.0	71	68	70	79	SSW	3.0	0.0	70	66	68	80	W	3.3	0.0
19:00	70	66	68	77	SSW	4.9	0.0	70	66	68	75	SSW	4.9	0.0	70	66	68	78	SSW	2.2	0.0	67	63	65	77	ENE	2.1	0.0					WSW	5.9	0.0	70	67	69	79	S	2.4	0.0	69	66	67	74	W	2.8	0.0
20:00	69	65	67	73	SSW	4.4	0.0	70	66	68	84	S	4.4	0.0	69	65	67	76	SSE	2.0	0.0	67	63	65	79	E	1.4	0.0					WSW	5.0	0.0	69	66	67	74	SSW	2.0	0.0	68	65	67	77	SW	1.3	0.0
21:00					SSW	5.0	0.0	70	66	68	81	SSE	4.4	0.0	67	64	66	72	N	0.0	0.0	66	62	65	74	E	1.9	0.0					W	5.6	0.0	68	65	67	75	SSW	2.5	0.0	68	65	67	76	SSW	1.8	0.0
22:00					SSW	5.6	0.0	69	64	67	76	SE	3.0	0.0	66	62	64	74	N	0.0	0.0	66	61	64	73	NNE	3.1	0.0	66	61	64	86	W	4.9	0.0	68	63	66	73	SSE	1.1	0.0	68	64	66	76	N	0.0	0.0
23:00	68	64	67	76	S	4.9	0.0	67	61	65	74	SE	2.2	0.0	64	58	62	76	N	0.0	0.0	64	58	62	81	ESE	0.3	0.0	65	58	62	76	WSW	3.3	0.0	66	61	64	74	SSW	1.7	0.0	66	62	64	72	N	0.0	0.0
L ₁₀ , 18hr, 6-24h															69																																		
L _{eq} , 15hr, 7-22h																68																																	
L _{eq} , 9hr, 22-7h																64																																	
L _{eq} , 16hr, 6-22h																68																																	
L _{eq} , 8hr, 22-6h																64																																	
L _{max} , 24h																	82																																
Adverse Weather Count	11						7						0						2						13						5						0												

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

15 Valda Ave, Mont Albert
North

SITE ID

41

Dominant Road	Eastern Freeway	From	24/02/2018	Address	15 Valda Ave
18-hr Traffic Flow	-	To	6/03/2018	Suburb	Mont Albert North
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 6'43.99"E
Distance to Road (m)	130	Inst. Serial #	164396	Latitude	37°47'46.24"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	26/02	27/02	2/03	3/03	4/03
L _{10,18hr} , Arith Av, 6-24h	58	59 dBA	60 dBA	58 dBA	58 dBA	56 dBA
L _{eq,15hr} , Log Av, 7-22h	57	58 dBA	59 dBA	57 dBA	57 dBA	55 dBA
L _{eq,16hr} , Log Av, 6-22h	57	58 dBA	59 dBA	57 dBA	57 dBA	55 dBA
L _{eq,8hr} , Log Av, 22-6h	53	54 dBA	54 dBA	53 dBA	53 dBA	51 dBA
L _{eq,9hr} , Log Av, 22-7h	54	55 dBA	55 dBA	54 dBA	54 dBA	51 dBA

Site Zoom



Site Overview

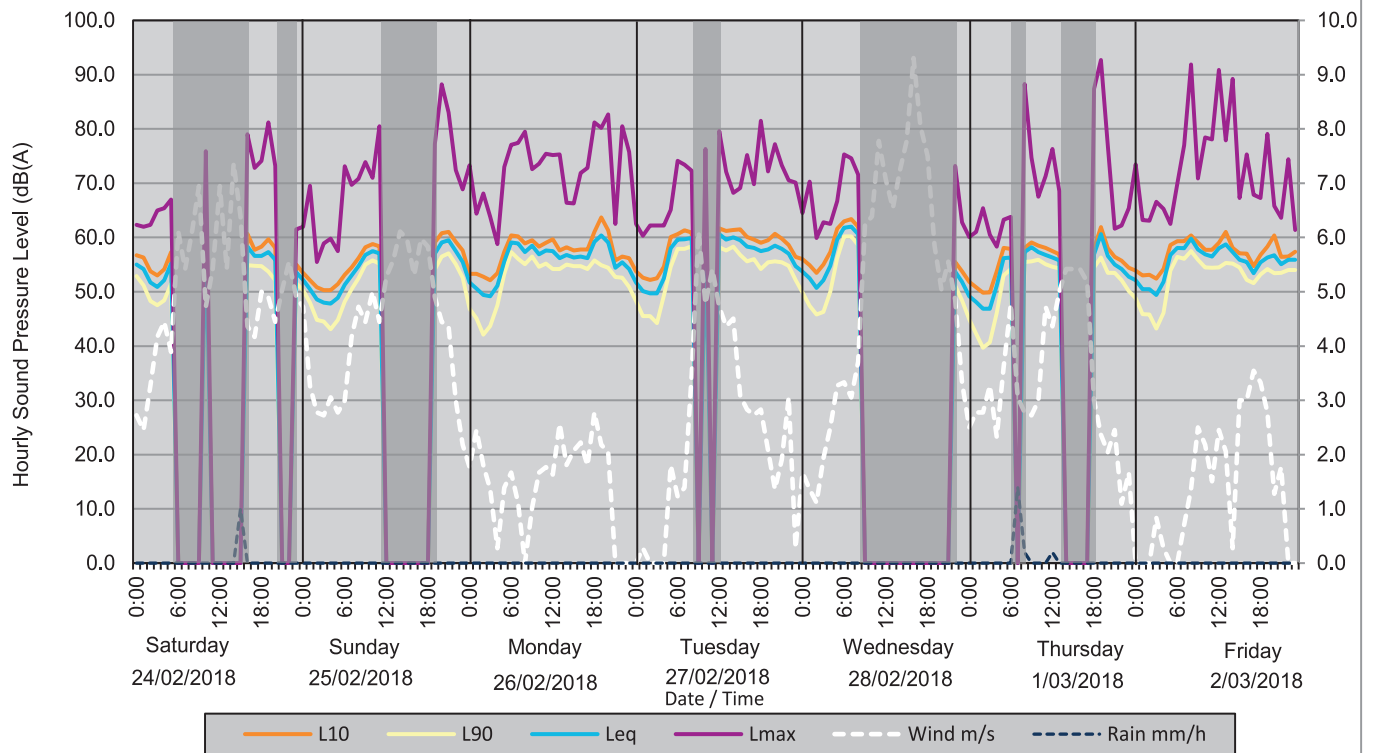


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Saturday 24/02/2018							Sunday 25/02/2018							Monday 26/02/2018							Tuesday 27/02/2018							Wednesday 28/02/2018							Thursday 01/03/2018							Friday 02/03/2018						
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	57	53	55	62	ENE	2.7	0.0	54	50	52	62	SSW	4.7	0.0	53	47	52	73	S	1.8	0.0	54	48	52	63	N	0.0	0.0	56	50	54	65	ENE	1.7	0.0	52	45	49	60	WSW	2.5	0.0	54	49	52	74	N	0.0	0.0
1:00	56	51	54	62	ENE	2.4	0.0	52	48	51	70	SSW	3.3	0.0	53	45	51	64	S	2.4	0.0	53	46	50	60	E	0.3	0.0	55	47	53	70	NE	1.4	0.0	51	42	48	61	W	2.8	0.0	53	46	51	63	N	0.0	0.0
2:00	54	48	52	62	NNE	3.3	0.0	51	45	49	56	SSW	2.8	0.0	53	42	49	68	SSE	1.8	0.0	52	46	50	62	N	0.0	0.0	54	46	51	60	E	1.1	0.0	50	40	47	65	W	2.8	0.0	53	46	51	63	N	0.0	0.0
3:00	53	48	51	65	NNE	4.2	0.0	50	45	48	59	SSW	2.7	0.0	52	44	49	64	SSW	1.4	0.0	53	44	50	62	N	0.0	0.0	55	46	52	63	NE	1.9	0.0	50	41	47	61	WSW	3.3	0.0	52	43	49	67	SE	0.8	0.0
4:00	54	48	52	65	NNE	4.4	0.0	50	43	48	60	S	3.1	0.0	53	48	51	59	S	0.3	0.0	55	49	53	62	N	0.0	0.0	57	50	55	63	ENE	2.5	0.0	54	46	51	58	WSW	2.3	0.0	54	46	52	65	SE	0.3	0.0
5:00	57	52	55	67	N	3.9	0.0	51	45	49	58	S	2.8	0.0	57	53	56	73	SSW	1.4	0.0	60	55	58	65	ENE	1.8	0.0	62	56	60	67	NE	3.3	0.0	58	53	56	63	SW	3.6	0.0	59	54	57	63	N	0.0	0.0
6:00					N	6.1	0.0	53	48	51	73	SSW	3.0	0.0	60	57	59	77	SSW	1.7	0.0	61	58	60	74	ENE	1.2	0.0	63	60	62	75	NE	3.3	0.0	58	54	56	64	SSW	4.8	0.0	59	56	58	70	N	0.0	0.0
7:00					N	5.4	0.0	55	51	53	70	SSW	4.2	0.0	60	56	59	77	SSW	1.1	0.0	61	58	60	73	ENE	1.4	0.0	63	60	62	75	ENE	3.1	0.0					SSW	3.1	1.4	59	56	58	77	S	0.7	0.0
8:00					N	6.1	0.0	56	53	55	71	SSW	4.7	0.0	59	55	57	80	N	0.0	0.0	61	58	60	72	NE	3.5	0.0	62	59	61	72	NNE	3.7	0.0	58	56	57	88	SSW	2.8	0.2	60	58	60	92	SSE	1.4	0.0
9:00					N	6.9	0.0	58	55	57	74	S	4.4	0.0	60	57	59	73	S	1.0	0.0					NNE	6.1	0.0					N	6.2	0.0	59	56	58	75	S	2.7	0.0	59	56	58	71	S	2.5	0.0
10:00	62	59	61	76	NNW	4.7	0.0	59	56	58	71	S	5.0	0.0	58	55	57	74	SSE	1.7	0.0	60	56	59	76	NNE	4.8	0.0					NNE	6.4	0.0	59	56	57	68	S	3.0	0.0	58	55	57	78	SW	2.2	0.0
11:00					NW	5.4	0.0	58	55	57	81	S	4.4	0.0	59	55	58	75	E	1.8	0.0					N	5.4	0.0					NNW	7.8	0.0	58	55	57	71	SSW	4.7	0.0	58	54	57	78	ESE	1.5	0.0
12:00					SSW	6.9	0.0					SSW	5.3	0.0	60	54	58	75	SSE	1.6	0.0	62	58	61	80	NNE	4.7	0.0					NW	7.1	0.0	58	55	56	76	SSW	4.4	0.2	59	55	58	91	S	2.4	0.0
13:00					SSW	5.4	0.0					SSW	5.6	0.0	58	54	56	75	WNW	2.6	0.0	61	58	60	72	NNE	4.4	0.0					WNW	6.5	0.0	57	54	56	69	SW	5.0	0.0	61	55	59	78	S	2.1	0.0
14:00					SW	7.4	0.0					SSW	6.1	0.0	58	55	57	66	WSW	1.8	0.0	61	58	60	68	NNE	4.5	0.0					W	7.2	0.0					SW	5.4	0.0	58	55	57	89	WSW	0.3	0.0
15:00					SW	6.4	1.0					SSW	6.0	0.0	58	55	56	66	W	2.1	0.0	62	57	60	69	ENE	3.1	0.0					W	7.8	0.0					SW	5.4	0.0	57	55	56	67	W	3.0	0.0
16:00	61	55	58	79	SW	4.4	0.0					SSW	5.3	0.0	58	55	57	72	W	2.2	0.0	60	56	58	75	NE	2.8	0.0					W	9.3	0.0					SW	5.4	0.0	57	52	56	75	W	3.0	0.0
17:00	58	55	57	73	SSW	4.2	0.0					SSW	6.0	0.0	58	54	56	73	SW	1.8	0.0	60	56	58	70	NNE	2.7	0.0					W	8.1	0.0					SW	5.2	0.0	55	52	53	68	W	3.5	0.0
18:00	58	55	57	74	SSW	5.0	0.0					SSW	5.8	0.0	61	56	59	81	SSW	2.8	0.0	59	54	58	82	NE	2.8	0.0					WSW	7.5	0.0	58	55	57	87	SSW	3.0	0.0	57	53	55	67	W	3.3	0.0
19:00	60	54	57	81	SSW	4.9	0.0	59	54	57	77	SSW	4.9	0.0	64	55	60	80	SSW	2.2	0.0	60	55	58	72	ENE	2.1	0.0					WSW	5.9	0.0	62	56	61	93	S	2.4	0.0	58	54	56	79	W	2.8	0.0
20:00	58	52	56	73	SSW	4.4	0.0	61	57	59	88	S	4.4	0.0	61	54	59	83	SSE	2.0	0.0	61	56	59	77	E	1.4	0.0					WSW	5.0	0.0	58	54	57	77	SSW	2.0	0.0	60	53	57	66	SW	1.3	0.0
21:00					SSW	5.0	0.0	61	57	60	83	SSE	4.4	0.0	56	53	54	63	N	0.0	0.0	60	55	58	73	E	1.9	0.0					W	5.6	0.0	56	54	55	62	SSW	2.5	0.0	56	54	55	64	SSW	1.8	0.0
22:00					SSW	5.6	0.0	59	55	58	72	SE	3.0	0.0	57	53	55	81	N	0.0	0.0	59	55	57	71	NNE	3.1	0.0	56	51	54	73	W	4.9	0.0	56	52	54	62	SSE	1.1	0.0	57	54	56	74	N	0.0	0.0
23:00	55	52	54	62	S	4.9	0.0	58	53	56	69	SE	2.2	0.0	56	51	54	76	N	0.0	0.0	56	52	55	70	ESE	0.3	0.0	54	48	52	63	WSW	3.3	0.0	54	50	53	65	SSW	1.7	0.0	57	54	56	61	N	0.0	0.0
L ₁₀ , 18hr, 6-24h															59							60																											
L _{eq} , 15hr, 7-22h																58							59																										
L _{eq} , 9hr, 22-7h																55							55																										
L _{eq} , 16hr, 6-22h																58							59																										
L _{eq} , 8hr, 22-6h																54							54																										
L _{max} , 24h																	83							82																									
Adverse Weather Count	11							7							0							2							13							5							0						

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

17 Sargent St, Doncaster

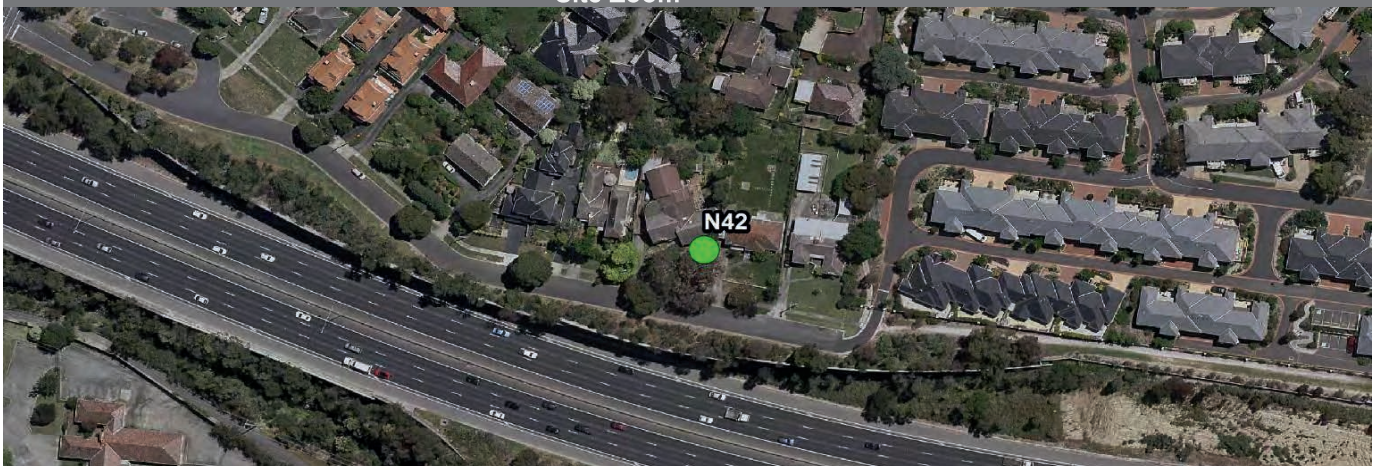
SITE ID

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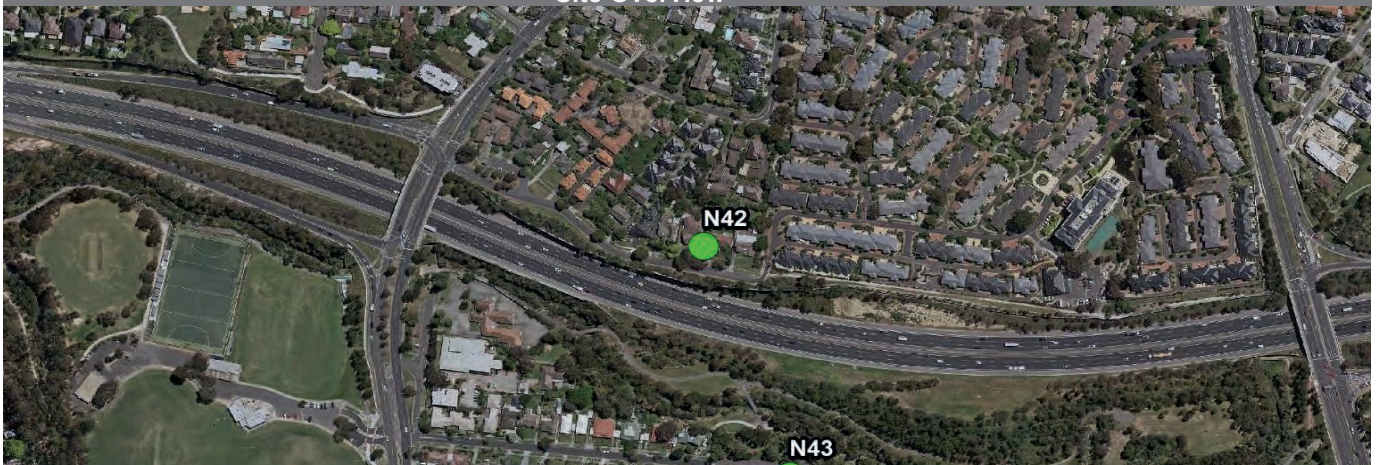
Dominant Road	Eastern Freeway	From	24/02/2018	Address	17 Sargent St
18-hr Traffic Flow	-	To	6/03/2018	Suburb	Doncaster
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 7'16.34"E
Distance to Road (m)	40	Inst. Serial #	465445	Latitude	37°47'47.56"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	26/02	27/02	2/03	3/03	4/03
L _{10,18hr} , Arith Av, 6-24h	59	59 dBA	57 dBA	59 dBA	59 dBA	59 dBA
L _{eq,15hr} , Log Av, 7-22h	58	58 dBA	56 dBA	59 dBA	58 dBA	58 dBA
L _{eq,16hr} , Log Av, 6-22h	58	58 dBA	56 dBA	59 dBA	58 dBA	59 dBA
L _{eq,8hr} , Log Av, 22-6h	52	53 dBA	51 dBA	52 dBA	52 dBA	53 dBA
L _{eq,9hr} , Log Av, 22-7h	53	54 dBA	53 dBA	53 dBA	52 dBA	53 dBA

Site Zoom



Site Overview

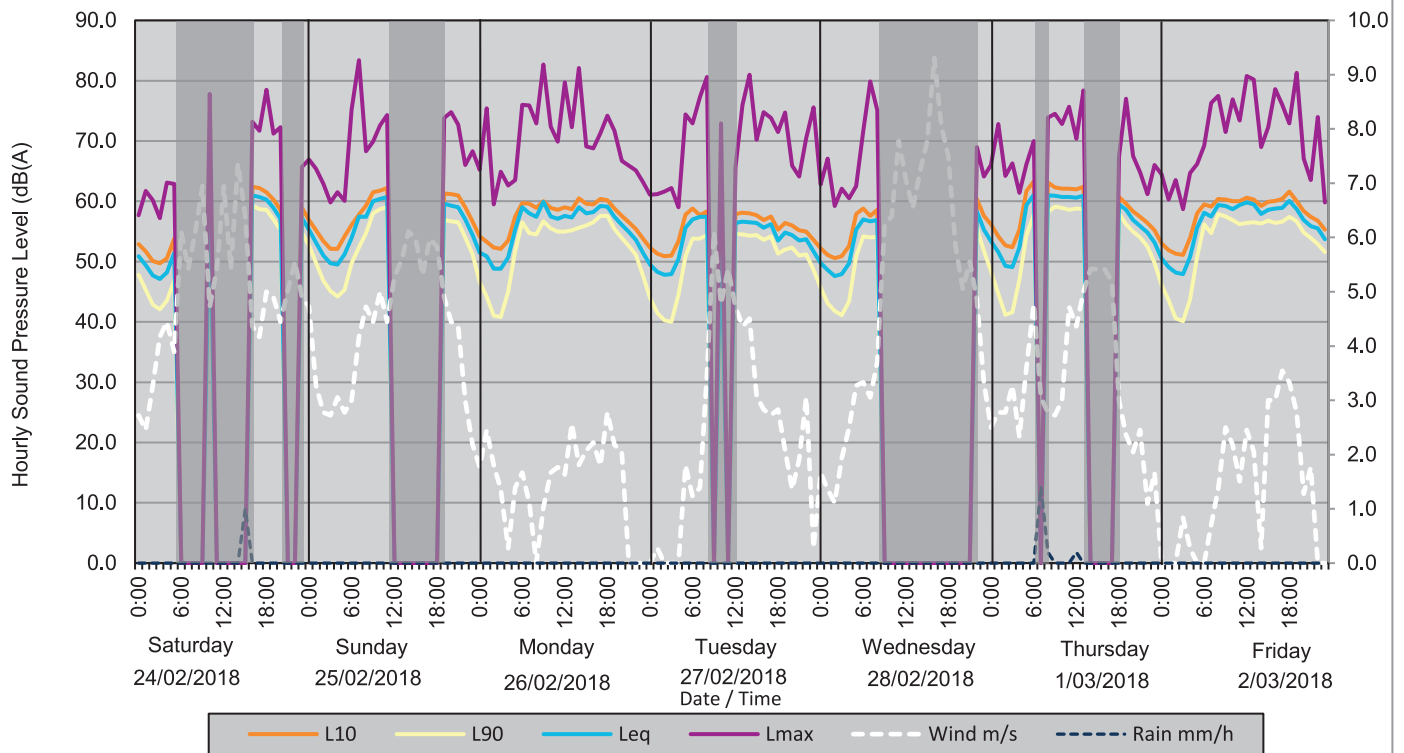


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Saturday 24/02/2018						Sunday 25/02/2018						Monday 26/02/2018						Tuesday 27/02/2018						Wednesday 28/02/2018						Thursday 01/03/2018						Friday 02/03/2018												
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	53	48	51	58	ENE	2.7	0.0	57	53	55	67	SSW	4.7	0.0	54	47	52	65	S	1.8	0.0	52	44	50	61	N	0.0	0.0	52	46	50	63	ENE	1.7	0.0	56	48	53	66	WSW	2.5	0.0	53	46	51	65	N	0.0	0.0
1:00	52	45	49	62	ENE	2.4	0.0	55	50	53	65	SSW	3.3	0.0	53	44	51	75	S	2.4	0.0	51	42	48	61	E	0.3	0.0	51	43	49	67	NE	1.4	0.0	54	45	52	73	W	2.8	0.0	52	44	49	60	N	0.0	0.0
2:00	50	43	48	60	NNE	3.3	0.0	53	47	51	63	SSW	2.8	0.0	52	41	49	60	SSE	1.8	0.0	51	40	48	62	N	0.0	0.0	51	42	48	59	E	1.1	0.0	53	41	49	64	W	2.8	0.0	51	41	48	64	N	0.0	0.0
3:00	50	42	47	57	NNE	4.2	0.0	52	45	50	60	SSW	2.7	0.0	52	41	49	65	SSW	1.4	0.0	51	40	48	62	N	0.0	0.0	51	41	48	62	NE	1.9	0.0	52	42	49	66	WSW	3.3	0.0	51	40	48	59	SE	0.8	0.0
4:00	51	44	48	63	NNE	4.4	0.0	52	44	50	62	S	3.1	0.0	54	45	51	63	S	0.3	0.0	53	45	50	59	N	0.0	0.0	53	43	50	61	ENE	2.5	0.0	55	47	52	61	WSW	2.3	0.0	54	44	51	65	SE	0.3	0.0
5:00	54	47	51	63	N	3.9	0.0	54	45	51	60	S	2.8	0.0	58	52	55	64	SSW	1.4	0.0	58	51	56	74	ENE	1.8	0.0	58	51	55	63	NE	3.3	0.0	62	54	59	66	SW	3.6	0.0	58	51	56	66	N	0.0	0.0
6:00					N	6.1	0.0	56	50	54	75	SSW	3.0	0.0	60	57	59	76	SSW	1.7	0.0	59	54	57	73	ENE	1.2	0.0	59	54	57	72	NE	3.3	0.0	63	58	61	70	SSW	4.8	0.0	60	56	58	69	N	0.0	0.0
7:00					N	5.4	0.0	58	52	58	83	SSW	4.2	0.0	60	55	58	76	SSW	1.1	0.0	58	54	57	77	ENE	1.4	0.0	58	54	57	80	ENE	3.1	0.0					SSW	3.1	1.4	59	55	58	76	S	0.7	0.0
8:00					N	6.1	0.0	59	55	57	68	SSW	4.7	0.0	59	55	57	73	N	0.0	0.0	58	54	57	81	NE	3.5	0.0	59	54	57	75	NNE	3.7	0.0	63	58	61	74	SSW	2.8	0.2	60	58	59	78	SSE	1.4	0.0
9:00					N	6.9	0.0	62	58	60	70	S	4.4	0.0	60	57	60	83	S	1.0	0.0					NNE	6.1	0.0					N	6.2	0.0	62	59	61	75	S	2.7	0.0	60	58	59	72	S	2.5	0.0
10:00	60	57	59	78	NNW	4.7	0.0	62	59	60	73	S	5.0	0.0	59	56	58	72	SSE	1.7	0.0	56	52	55	73	NNE	4.8	0.0					NNE	6.4	0.0	62	59	61	73	S	3.0	0.0	60	57	59	77	SW	2.2	0.0
11:00					NW	5.4	0.0	62	59	61	74	S	4.4	0.0	59	55	57	70	E	1.8	0.0					N	5.4	0.0					NNW	7.8	0.0	62	59	61	76	SSW	4.7	0.0	60	56	59	73	ESE	1.5	0.0
12:00					SSW	6.9	0.0					SSW	5.3	0.0	59	55	58	80	SSE	1.6	0.0	58	55	56	66	NNE	4.7	0.0					NW	7.1	0.0	62	59	61	70	SSW	4.4	0.2	61	56	60	81	S	2.4	0.0
13:00					SSW	5.4	0.0					SSW	5.6	0.0	59	55	57	72	WNW	2.6	0.0	58	55	57	76	NNE	4.4	0.0					WNW	6.5	0.0	62	59	61	78	SW	5.0	0.0	60	57	60	80	S	2.1	0.0
14:00					SW	7.4	0.0					SSW	6.1	0.0	61	56	59	82	WSW	1.8	0.0	58	54	57	81	NNE	4.5	0.0					W	7.2	0.0					SW	5.4	0.0	59	56	58	69	WSW	0.3	0.0
15:00					SW	6.4	1.0					SSW	6.0	0.0	60	56	58	69	W	2.1	0.0	58	54	56	70	ENE	3.1	0.0					W	7.8	0.0					SW	5.4	0.0	60	57	59	72	W	3.0	0.0
16:00	62	59	61	73	SW	4.4	0.0					SSW	5.3	0.0	60	57	58	69	W	2.2	0.0	57	54	56	75	NE	2.8	0.0					W	9.3	0.0					SW	5.4	0.0	60	56	59	79	W	3.0	0.0
17:00	62	59	61	72	SSW	4.2	0.0					SSW	6.0	0.0	60	58	59	71	SW	1.8	0.0	58	54	56	74	NNE	2.7	0.0					W	8.1	0.0					SW	5.2	0.0	60	57	59	76	W	3.5	0.0
18:00	62	59	60	79	SSW	5.0	0.0					SSW	5.8	0.0	60	58	59	74	SSW	2.8	0.0	55	51	54	72	NE	2.8	0.0					WSW	7.5	0.0	61	58	60	67	SSW	3.0	0.0	62	57	60	73	W	3.3	0.0
19:00	60	57	59	71	SSW	4.9	0.0	61	57	60	74	SSW	4.9	0.0	59	55	57	72	SSW	2.2	0.0	56	52	55	75	ENE	2.1	0.0					WSW	5.9	0.0	60	56	59	77	S	2.4	0.0	60	57	59	81	W	2.8	0.0
20:00	59	55	57	72	SSW	4.4	0.0	61	57	59	75	S	4.4	0.0	58	54	56	67	SSE	2.0	0.0	56	52	54	66	E	1.4	0.0					WSW	5.0	0.0	58	55	57	68	SSW	2.0	0.0	58	55	57	67	SW	1.3	0.0
21:00					SSW	5.0	0.0	61	57	59	73	SSE	4.4	0.0	57	53	55	66	N	0.0	0.0	55	51	54	64	E	1.9	0.0					W	5.6	0.0	57	54	56	65	SSW	2.5	0.0	57	54	56	64	SSW	1.8	0.0
22:00					SSW	5.6	0.0	59	54	57	66	SE	3.0	0.0	55	51	54	65	N	0.0	0.0	55	51	54	71	NNE	3.1	0.0	60	56	58	69	W	4.9	0.0	56	53	55	61	SSE	1.1	0.0	57	53	56	74	N	0.0	0.0
23:00	59	55	57	66	S	4.9	0.0	57	51	54	68	SE	2.2	0.0	54	48	52	63	N	0.0	0.0	54	49	52	76	ESE	0.3	0.0	58	52	55	64	WSW	3.3	0.0	55	50	53	66	SSW	1.7	0.0	55	52	54	60	N	0.0	0.0
L ₁₀ , 18hr, 6-24h															59																																		
L _{eq} , 15hr, 7-22h																58																																	
L _{eq} , 9hr, 22-7h																54																																	
L _{eq} , 16hr, 6-22h																58																																	
L _{eq} , 8hr, 22-6h																53																																	
L _{max} , 24h																	83																																
Adverse Weather Count	11						7						0						2						13						5						0												

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

9/19 Paul Ave, Box Hill North

SITE ID

43

Dominant Road	Eastern Freeway	From	10/03/2018	Address	9/19 Paul Ave
18-hr Traffic Flow	-	To	19/03/2018	Suburb	Box Hill North
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 7'19.01"E
Distance to Road (m)	110	Inst. Serial #	1273093	Latitude	37°47'54.08"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	10/03	11/03	14/03	15/03	16/03
L _{10,18hr} , Arith Av, 6-24h	55	57 dBA	54 dBA	55 dBA	55 dBA	56 dBA
L _{eq,15hr} , Log Av, 7-22h	55	56 dBA	54 dBA	54 dBA	55 dBA	55 dBA
L _{eq,16hr} , Log Av, 6-22h	55	56 dBA	54 dBA	55 dBA	55 dBA	56 dBA
L _{eq,8hr} , Log Av, 22-6h	52	53 dBA	54 dBA	51 dBA	50 dBA	52 dBA
L _{eq,9hr} , Log Av, 22-7h	53	54 dBA	55 dBA	52 dBA	52 dBA	53 dBA

Site Zoom



Site Overview

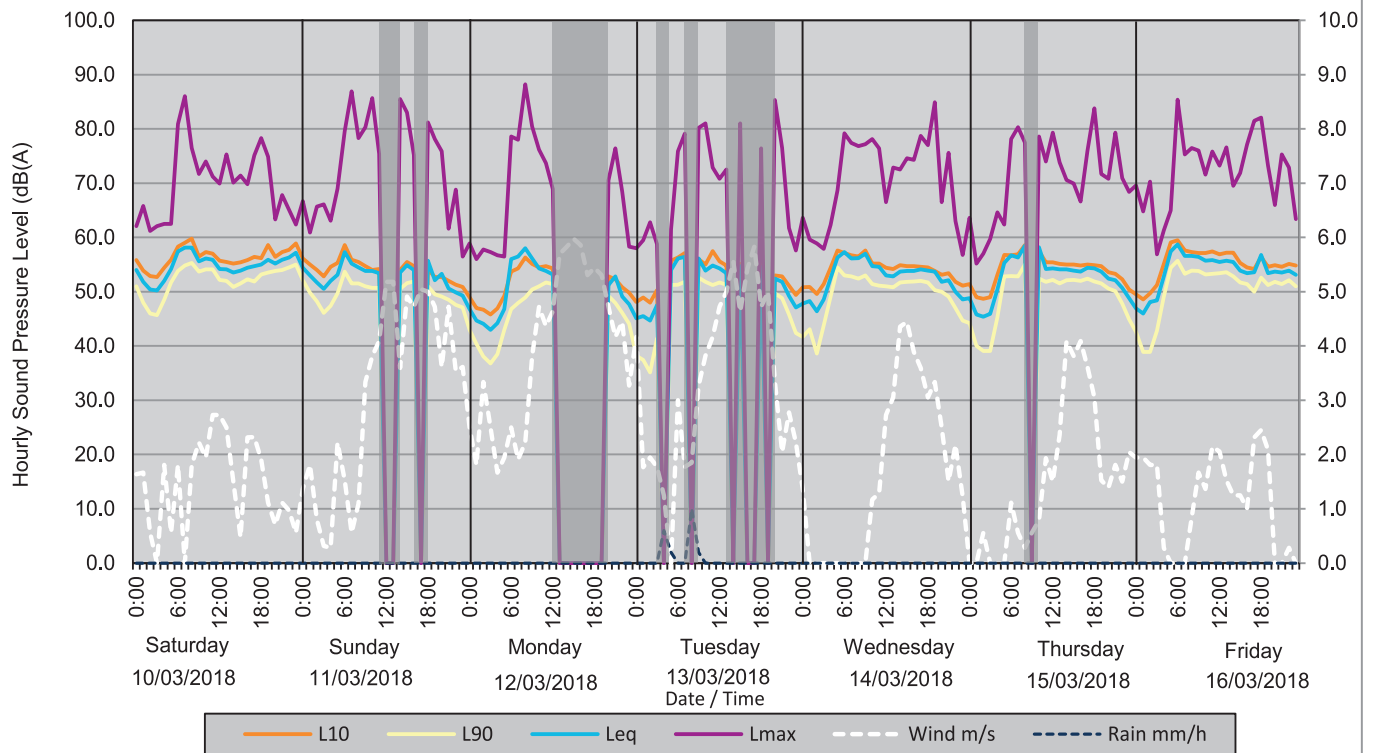


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Saturday 10/03/2018							Sunday 11/03/2018							Monday 12/03/2018							Tuesday 13/03/2018							Wednesday 14/03/2018							Thursday 15/03/2018							Friday 16/03/2018						
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	56	51	54	62	NW	1.6	0.0	56	52	54	67	ESE	1.4	0.0	49	43	47	59	s	2.5	0.0	48	38	45	58	SSW	4.2	0.0	51	42	48	64	WSW	1.4	0.0	51	44	49	64	N	0.0	0.0	50	43	47	70	SW	1.9	0.0
1:00	54	48	52	66	NNW	1.7	0.0	55	50	53	61	W	1.8	0.0	47	40	45	56	s	1.8	0.0	49	37	46	60	SSW	1.8	0.0	51	43	48	60	N	0.0	0.0	49	40	46	55	N	0.0	0.0	49	39	46	65	SW	1.9	0.0
2:00	53	46	50	61	NE	0.6	0.0	54	48	52	66	NNW	0.8	0.0	47	38	44	58	s	3.3	0.0	48	35	45	63	SW	1.9	0.0	50	39	46	59	N	0.0	0.0	49	39	45	57	s	0.6	0.0	50	39	48	70	SW	1.8	0.0
3:00	53	46	50	62	N	0.0	0.0	53	46	51	66	SSE	0.3	0.0	46	37	43	57	s	2.5	0.0	50	41	48	59	W	1.8	0.0	51	44	49	58	N	0.0	0.0	49	39	46	60	N	0.0	0.0	51	43	48	57	SW	1.8	0.0
4:00	54	49	52	63	ENE	1.8	0.0	55	47	52	63	ENE	0.3	0.0	47	39	44	57	s	1.7	0.0					W	1.3	0.6	54	49	53	62	N	0.0	0.0	53	45	50	65	N	0.0	0.0	55	49	53	61	SW	0.3	0.0
5:00	56	52	54	63	ENE	0.6	0.0	55	50	53	69	E	2.2	0.0	49	43	47	57	s	1.9	0.0	56	51	54	62	N	0.0	0.2	58	55	56	69	N	0.0	0.0	57	53	55	62	N	0.0	0.0	59	54	57	65	N	0.0	0.0
6:00	58	54	57	81	ENE	1.8	0.0	59	54	57	80	E	1.5	0.0	54	47	56	79	s	2.5	0.0	56	51	56	76	SW	3.0	0.0	57	53	57	79	N	0.0	0.0	57	53	57	78	s	1.1	0.0	60	56	59	85	N	0.0	0.0
7:00	59	55	58	86	N	0.0	0.0	56	52	55	87	N	0.6	0.0	54	48	57	78	s	1.9	0.0	57	52	56	79	WSW	1.8	0.0	57	53	56	77	N	0.0	0.0	57	53	56	80	s	0.6	0.0	58	53	57	75	N	0.0	0.0
8:00	60	55	58	77	ENE	1.8	0.0	56	52	55	78	WSW	1.1	0.0	56	49	58	88	s	2.2	0.0					SSW	1.8	1.0	57	52	56	77	N	0.0	0.0	59	55	59	78	s	0.3	0.0	57	54	57	77	SSW	0.8	0.0
9:00	57	54	56	72	E	2.2	0.0	55	51	54	80	WSW	3.3	0.0	55	50	56	80	SSW	3.8	0.0	56	53	56	80	SSW	3.3	0.2	58	53	57	77	N	0.0	0.0					s	0.6	0.0	57	54	56	76	SSW	1.7	0.0
10:00	57	54	56	74	E	1.9	0.0	54	51	54	86	SW	3.8	0.0	55	51	54	76	SSW	4.7	0.0	55	52	54	81	SSW	3.8	0.0	55	51	55	78	SSW	1.2	0.0	58	52	58	79	SE	0.8	0.0	57	53	56	72	SW	1.4	0.0
11:00	57	54	56	71	ENE	2.7	0.0	54	51	53	75	SSW	4.1	0.0	55	52	54	74	SSW	4.4	0.0	58	51	55	73	SSW	4.2	0.0	55	51	55	76	E	1.3	0.0	55	52	54	74	SW	1.9	0.0	57	53	56	76	N	2.1	0.0
12:00	56	52	54	70	NE	2.7	0.0					SW	5.2	0.0	54	51	53	69	SW	4.6	0.0	56	52	54	71	SW	4.7	0.0	54	51	53	67	WSW	2.7	0.0	55	52	54	79	SW	1.5	0.0	57	53	56	73	N	2.1	0.0
13:00	56	52	54	75	NE	2.5	0.0					SW	5.2	0.0					SSW	5.7	0.0	55	51	53	73	SSW	5.0	0.0	54	51	53	73	SW	3.1	0.0	55	52	54	74	SW	2.4	0.0	57	54	56	77	N	1.5	0.0
14:00	55	51	54	70	N	1.5	0.0	54	51	54	86	SSW	3.6	0.0					SSW	5.8	0.0					SSW	5.6	0.0	55	52	54	73	SW	4.4	0.0	55	52	54	71	SW	4.1	0.0	57	53	56	70	W	1.2	0.0
15:00	55	52	54	71	NE	0.5	0.0	56	52	55	83	SSW	4.9	0.0					SSW	6.0	0.0	55	52	55	81	SW	4.6	0.0	55	52	54	75	SW	4.4	0.0	55	52	54	70	WSW	3.8	0.0	55	52	54	72	NNE	1.3	0.0
16:00	56	52	54	70	N	2.3	0.0	55	52	54	75	SW	4.7	0.0					SSW	5.9	0.0					SSW	5.4	0.0	55	52	54	74	SW	3.9	0.0	55	52	54	67	SW	4.1	0.0	55	51	53	77	WNW	1.0	0.0
17:00	56	52	55	75	ENE	2.3	0.0					SSW	5.0	0.0					SSW	5.3	0.0					SSW	5.8	0.0	55	52	54	79	SW	3.6	0.0	55	52	54	76	s	3.6	0.0	54	50	54	82	s	2.3	0.0
18:00	56	53	55	78	E	1.9	0.0	54	51	56	81	SW	5.0	0.0					s	5.4	0.0	56	52	55	76	SSW	4.7	0.0	55	52	54	77	SSW	3.1	0.0	55	52	54	84	s	3.1	0.0	56	53	57	82	SW	2.4	0.0
19:00	59	54	56	75	E	1.1	0.0	53	50	52	78	SW	4.7	0.0					s	5.3	0.0					SSW	5.0	0.0	54	50	54	85	SSW	3.3	0.0	55	52	54	72	s	1.5	0.0	55	51	53	73	W	2.1	0.0
20:00	56	54	55	63	NE	0.7	0.0	53	49	53	76	SSW	3.6	0.0	53	49	51	71	SSW	4.7	0.0	53	50	52	85	SSW	3.3	0.0	53	50	52	67	SW	2.5	0.0	54	51	52	71	SE	1.4	0.0	55	52	54	66	N	0.0	0.0
21:00	57	54	56	68	NNE	1.1	0.0	52	49	51	62	SSW	4.7	0.0	52	48	53	76	SSW	4.2	0.0	53	49	52	77	s	2.0	0.0	53	49	52	76	SSW	1.5	0.0	53	50	52	79	s	1.8	0.0	55	51	54	75	N	0.0	0.0
22:00	58	55	56	65	SSW	1.0	0.0	51	48	50	69	s	3.5	0.0	51	46	49	68	SSW	4.4	0.0	51	46	49	62	SSW	2.8	0.0	52	47	50	63	SSW	2.2	0.0	52	48	51	71	SSW	1.5	0.0	55	52	54	73	WNW	0.3	0.0
23:00	59	55	57	62	W	0.6	0.0	51	47	49	57	SSW	3.6	0.0	50	44	48	58	SW	3.3	0.0	49	42	47	58	SW	2.2	0.0	51	45	49	57	SSW	1.2	0.0	50	45	49	68	SSW	2.0	0.0	55	51	53	63	N	0.0	0.0
L ₁₀ , 18hr, 6-24h	57							54																				55								55													
L _{eq} , 15hr, 7-22h		56							54																				54								55												
L _{eq} , 9hr, 22-7h		54							55																				52								52												
L _{eq} , 16hr, 6-22h		56							54																				55								55												
L _{eq} , 8hr, 22-6h		53							54																				51								50												
L _{max} , 24h			86							87																				85									84										
Adverse Weather Count	0							3							7							6							0							1							0						

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

24 Grange Park Ave,
Doncaster

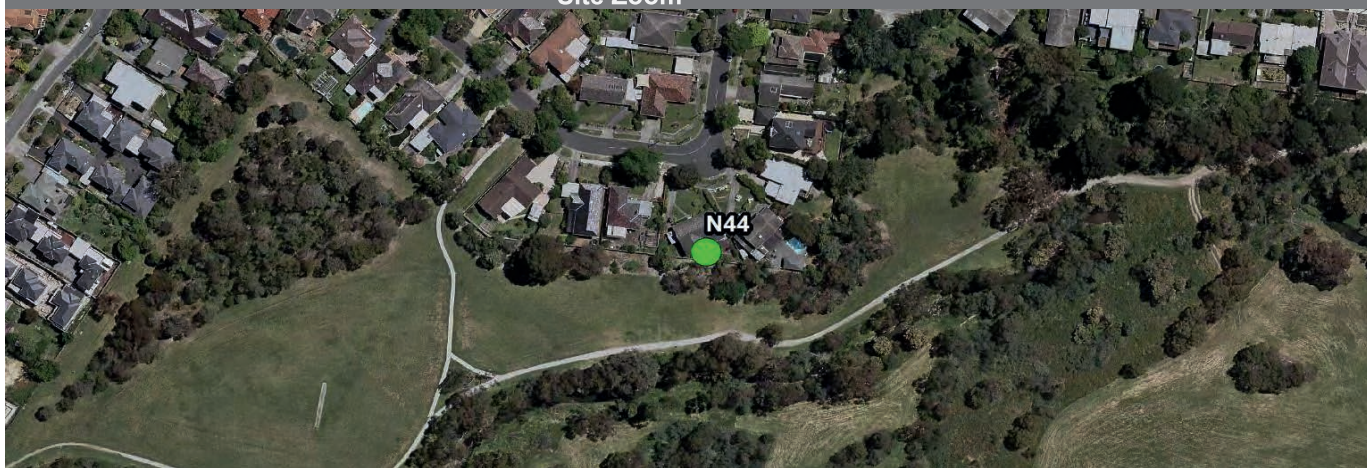
SITE ID

44

Dominant Road	Eastern Freeway	From	9/03/2018	Address	24 Grange Park Ave
18-hr Traffic Flow	-	To	18/03/2018	Suburb	Doncaster
Road Surface	Stone Seal	Mic. Height (m)	-	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 7'48.29"E
Distance to Road (m)	160	Inst. Serial #	465445	Latitude	37°47'43.83"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	9/03	10/03	11/03	14/03	15/03	16/03
L _{10,18hr} , Arith Av, 6-24h	57	57 dBA	55 dBA	59 dBA	57 dBA	57 dBA	55 dBA
L _{eq,15hr} , Log Av, 7-22h	56	55 dBA	55 dBA	58 dBA	57 dBA	57 dBA	53 dBA
L _{eq,16hr} , Log Av, 6-22h	56	56 dBA	54 dBA	58 dBA	57 dBA	57 dBA	54 dBA
L _{eq,8hr} , Log Av, 22-6h	54	55 dBA	55 dBA	55 dBA	53 dBA	50 dBA	54 dBA
L _{eq,9hr} , Log Av, 22-7h	54	55 dBA	55 dBA	55 dBA	54 dBA	51 dBA	54 dBA

Site Zoom



Site Overview

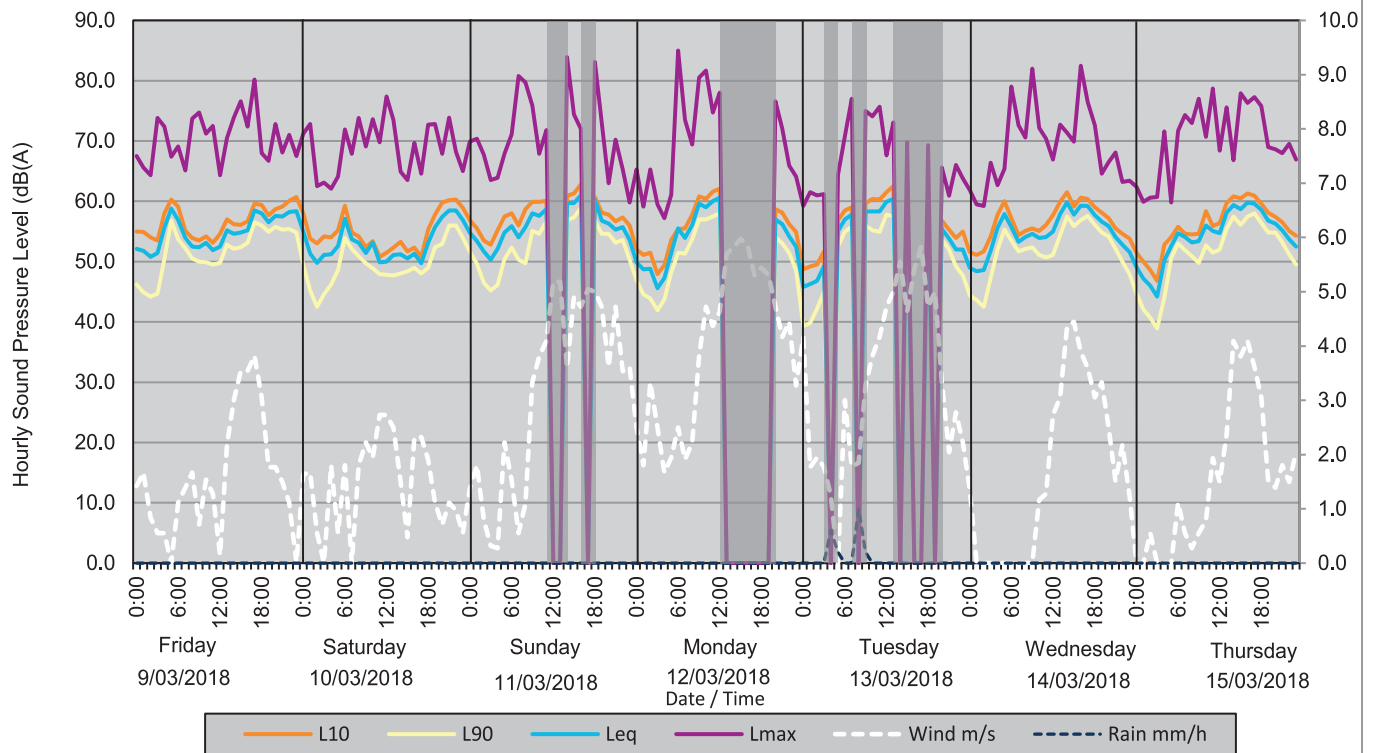


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Friday 09/03/2018							Saturday 10/03/2018							Sunday 11/03/2018							Monday 12/03/2018							Tuesday 13/03/2018							Wednesday 14/03/2018							Thursday 15/03/2018							
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h								
0:00	55	46	52	68	N	1.4	0.0	58	49	55	71	NW	1.6	0.0	57	52	55	70	ESE	1.4	0.0	52	47	50	65	S	2.5	0.0	49	39	46	59	SSW	4.2	0.0	52	44	49	62	WSW	1.4	0.0	52	45	49	62	N	0.0	0.0	
1:00	55	45	52	66	NNW	1.7	0.0	54	45	51	73	NNW	1.7	0.0	56	50	53	70	W	1.8	0.0	51	45	49	59	S	1.8	0.0	49	40	46	62	SSW	1.8	0.0	51	44	48	60	N	0.0	0.0	50	42	47	60	N	0.0	0.0	
2:00	54	44	51	64	NNW	0.8	0.0	53	43	50	63	NE	0.6	0.0	54	47	52	68	NNW	0.8	0.0	52	44	49	65	S	3.3	0.0	50	42	47	61	SW	1.9	0.0	52	43	49	59	N	0.0	0.0	49	41	46	61	S	0.6	0.0	
3:00	54	45	51	74	N	0.6	0.0	54	45	51	63	N	0.0	0.0	53	45	50	64	SSE	0.3	0.0	48	42	46	60	S	2.5	0.0	52	45	49	61	W	1.8	0.0	54	47	52	66	N	0.0	0.0	47	39	44	61	N	0.0	0.0	
4:00	58	50	56	72	N	0.6	0.0	54	46	51	62	ENE	1.8	0.0	55	46	52	64	ENE	0.3	0.0	49	44	47	57	S	1.7	0.0					W	1.3	0.6	58	52	56	63	N	0.0	0.0	53	44	50	72	N	0.0	0.0	
5:00	60	57	59	67	N	0.0	0.0	55	49	53	64	ENE	0.6	0.0	58	50	55	68	E	2.2	0.0	54	48	51	61	S	1.9	0.0	57	53	55	64	N	0.0	0.2	60	55	58	65	N	0.0	0.0	54	51	53	60	N	0.0	0.0	
6:00	59	54	57	69	NNE	1.1	0.0	59	54	57	72	ENE	1.8	0.0	58	52	56	71	E	1.5	0.0	55	52	56	85	S	2.5	0.0	59	55	57	71	SW	3.0	0.0	57	54	56	79	N	0.0	0.0	56	53	55	72	S	1.1	0.0	
7:00	55	52	54	65	NNE	1.4	0.0	55	52	54	68	N	0.0	0.0	56	50	54	81	N	0.6	0.0	56	51	54	74	S	1.9	0.0	59	56	58	77	WSW	1.8	0.0	54	52	53	73	N	0.0	0.0	55	52	54	74	S	0.6	0.0	
8:00	54	51	53	74	NNE	1.7	0.0	54	51	53	74	ENE	1.8	0.0	59	50	56	80	WSW	1.1	0.0	58	54	56	69	S	2.2	0.0					SSW	1.8	1.0	55	52	54	71	N	0.0	0.0	55	51	53	73	S	0.3	0.0	
9:00	54	50	52	75	ENE	0.7	0.0	52	50	51	69	E	2.2	0.0	60	55	58	76	WSW	3.3	0.0	61	57	60	81	SSW	3.8	0.0	60	56	58	75	SSW	3.3	0.2	56	52	55	82	N	0.0	0.0	55	50	53	77	S	0.6	0.0	
10:00	54	50	53	71	ENE	1.5	0.0	53	49	53	74	E	1.9	0.0	60	55	58	68	SW	3.8	0.0	60	57	59	82	SSW	4.7	0.0	60	55	58	74	SSW	3.8	0.0	55	51	54	72	SSW	1.2	0.0	58	53	56	71	SE	0.8	0.0	
11:00	53	50	52	73	SSE	1.3	0.0	51	48	50	70	ENE	2.7	0.0	60	57	59	72	SSW	4.1	0.0	62	58	60	75	SSW	4.4	0.0	60	55	58	76	SSW	4.2	0.0	56	51	54	70	E	1.3	0.0	56	52	55	79	SW	1.9	0.0	
12:00	55	50	53	64	ESE	0.1	0.0	52	48	50	77	NE	2.7	0.0					SW	5.2	0.0	62	58	61	78	SW	4.6	0.0	62	58	60	68	SW	4.7	0.0	58	51	55	67	WSW	2.7	0.0	56	52	55	68	SW	1.5	0.0	
13:00	57	53	55	71	SW	2.2	0.0	52	48	51	74	NE	2.5	0.0					SW	5.2	0.0					SSW	5.7	0.0	63	58	60	73	SSW	5.0	0.0	60	54	58	73	SW	3.1	0.0	60	55	58	76	SW	2.4	0.0	
14:00	56	52	55	74	SW	3.0	0.0	53	48	51	65	N	1.5	0.0	61	57	60	84	SSW	3.6	0.0					SSW	5.8	0.0					SSW	5.6	0.0	62	58	60	71	SW	4.4	0.0	61	58	59	67	SW	4.1	0.0	
15:00	56	52	55	77	SW	3.5	0.0	52	48	51	64	NE	0.5	0.0	61	57	60	74	SSW	4.9	0.0					SSW	6.0	0.0	63	59	61	70	SW	4.6	0.0	59	56	58	70	SW	4.4	0.0	61	56	59	78	WSW	3.8	0.0	
16:00	57	53	55	72	SW	3.5	0.0	52	49	51	70	N	2.3	0.0	63	59	61	72	SW	4.7	0.0					SSW	5.9	0.0					SSW	5.4	0.0	61	57	59	83	SW	3.9	0.0	61	58	60	76	SW	4.1	0.0	
17:00	60	57	59	80	SW	3.8	0.0	51	48	50	65	ENE	2.3	0.0					SSW	5.0	0.0					SSW	5.3	0.0					SSW	5.8	0.0	60	58	59	77	SW	3.6	0.0	61	58	60	77	S	3.6	0.0	
18:00	59	56	58	68	SSW	3.1	0.0	55	49	53	73	E	1.9	0.0	61	57	60	83	SW	5.0	0.0					S	5.4	0.0	61	58	60	69	SSW	4.7	0.0	59	56	58	73	SSW	3.1	0.0	60	56	59	76	S	3.1	0.0	
19:00	58	55	57	67	SSW	1.8	0.0	58	52	56	73	E	1.1	0.0	58	55	57	73	SW	4.7	0.0					S	5.3	0.0					SSW	5.0	0.0	58	55	57	65	SSW	3.3	0.0	58	55	57	69	S	1.5	0.0	
20:00	59	56	58	73	SSW	1.8	0.0	60	53	57	68	NE	0.7	0.0	58	55	56	63	SSW	3.6	0.0	59	54	57	77	SSW	4.7	0.0	57	54	55	66	SSW	3.3	0.0	57	54	56	67	SW	2.5	0.0	57	55	56	69	SE	1.4	0.0	
21:00	59	55	58	68	SW	1.5	0.0	60	56	59	74	NNE	1.1	0.0	57	53	55	70	SSW	4.7	0.0	58	53	56	72	SSW	4.2	0.0	55	52	54	61	S	2.0	0.0	56	52	54	68	SSW	1.5	0.0	57	53	55	68	S	1.8	0.0	
22:00	60	55	58	71	WSW	1.1	0.0	60	56	59	68	SSW	1.0	0.0	57	54	56	65	S	3.5	0.0	56	51	54	66	SSW	4.4	0.0	54	49	52	66	SSW	2.8	0.0	55	50	53	63	SSW	2.2	0.0	55	51	54	70	SSW	1.5	0.0	
23:00	61	55	58	68	N	0.0	0.0	59	54	57	65	W	0.6	0.0	56	50	54	60	SSW	3.6	0.0	55	49	53	64	SW	3.3	0.0	55	48	52	64	SW	2.2	0.0	54	48	52	63	SSW	1.2	0.0	54	50	53	67	SSW	2.0	0.0	
L ₁₀ , 18hr, 6-24h	57							55							59																				57															
L _{eq} , 15hr, 7-22h		55							55							58																				57														
L _{eq} , 9hr, 22-7h		55							55							55																				54														
L _{eq} , 16hr, 6-22h		56							54							58																				57														
L _{eq} , 8hr, 22-6h		55							55							55																				53														
L _{max} , 24h			80							77							84																				83													
Adverse Weather Count	0							0							3							7							6							0							0							

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

48 Eram Rd, Box Hill North

SITE ID

45

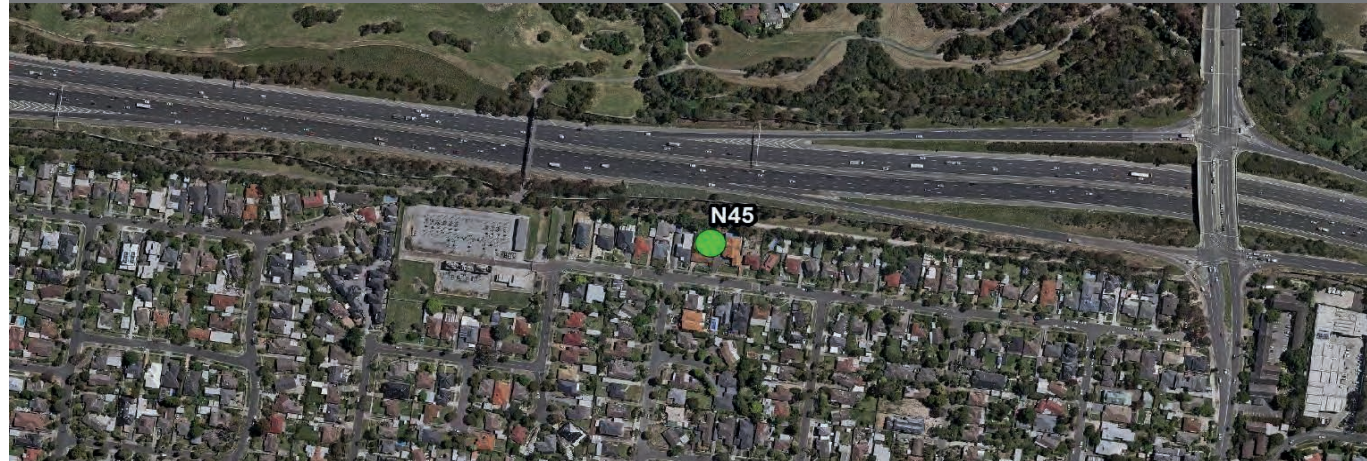
Dominant Road	Eastern Freeway	From	1/03/2018	Address	48 Eram Rd
18-hr Traffic Flow	-	To	9/03/2018	Suburb	Box Hill North
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 8'15.08"E
Distance to Road (m)	55	Inst. Serial #	409174	Latitude	37°47'54.98"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	2/03	3/03	4/03	6/03	7/03	8/03
L _{10,18hr} , Arith Av, 6-24h	55	55 dBA	56 dBA	53 dBA	55 dBA	56 dBA	55 dBA
L _{eq,15hr} , Log Av, 7-22h	54	54 dBA	55 dBA	53 dBA	54 dBA	55 dBA	55 dBA
L _{eq,16hr} , Log Av, 6-22h	54	54 dBA	55 dBA	53 dBA	54 dBA	55 dBA	55 dBA
L _{eq,8hr} , Log Av, 22-6h	50	50 dBA	50 dBA	49 dBA	49 dBA	50 dBA	50 dBA
L _{eq,9hr} , Log Av, 22-7h	51	51 dBA	50 dBA	49 dBA	50 dBA	51 dBA	52 dBA

Site Zoom



Site Overview

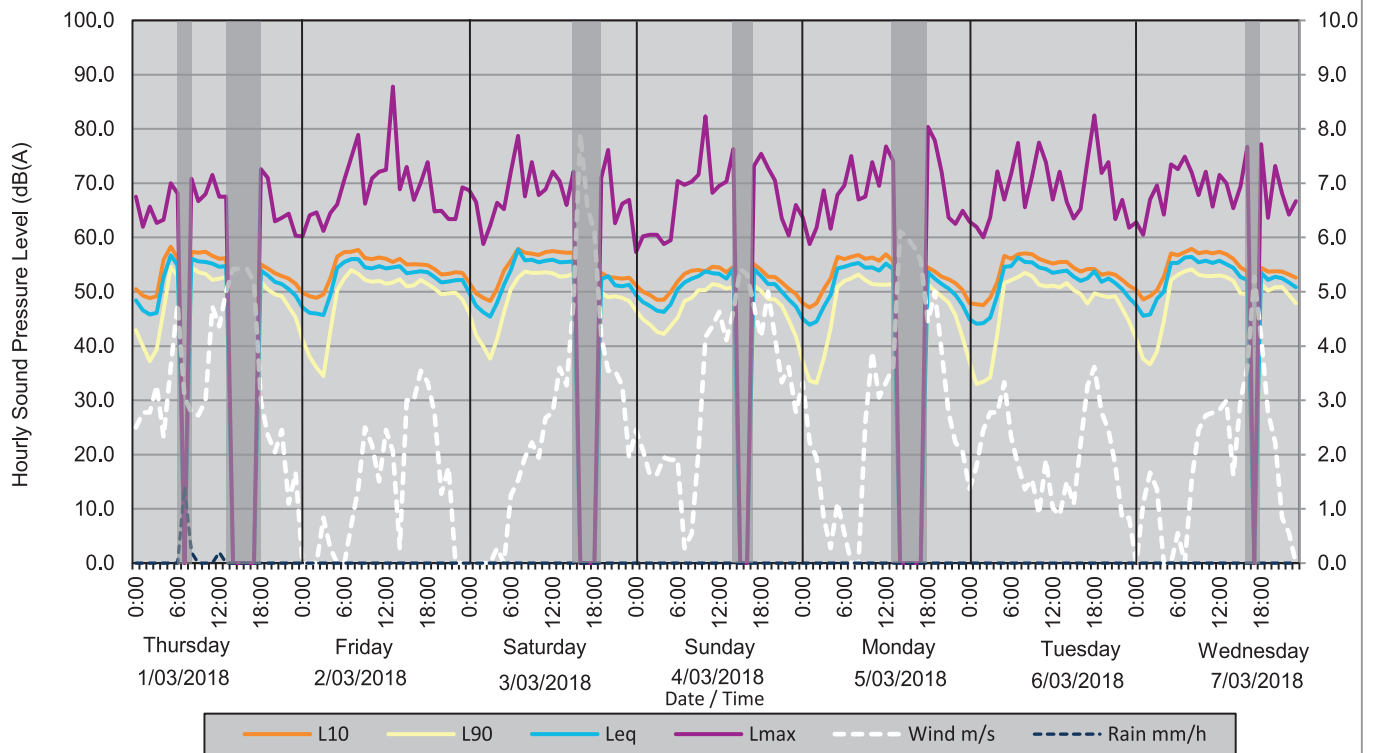


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Thursday 01/03/2018							Friday 02/03/2018							Saturday 03/03/2018							Sunday 04/03/2018							Monday 05/03/2018							Tuesday 06/03/2018							Wednesday 07/03/2018						
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	51	43	48	68	WSW	2.5	0.0	50	41	47	60	N	0.0	0.0	52	46	50	69	N	0.0	0.0	51	47	49	57	W	2.5	0.0	48	37	45	64	S	3.3	0.0	48	37	45	63	SSE	1.4	0.0	50	41	48	63	N	0.0	0.0
1:00	49	40	47	62	W	2.8	0.0	49	38	46	64	N	0.0	0.0	50	42	47	67	N	0.0	0.0	50	45	48	60	W	2.1	0.0	47	34	44	59	S	2.2	0.0	48	33	44	62	SSE	1.8	0.0	49	38	46	61	SW	1.1	0.0
2:00	49	37	46	66	W	2.8	0.0	49	36	46	65	N	0.0	0.0	49	40	46	59	N	0.0	0.0	49	44	47	61	W	1.6	0.0	48	33	45	62	S	1.9	0.0	48	33	44	60	S	2.4	0.0	49	37	46	67	N	1.7	0.0
3:00	49	39	46	63	WSW	3.3	0.0	50	35	46	61	SE	0.8	0.0	48	38	45	62	N	0.0	0.0	49	43	47	61	W	1.6	0.0	51	38	47	69	S	0.8	0.0	49	34	45	64	S	2.8	0.0	50	39	49	70	NNE	1.4	0.0
4:00	56	47	53	63	WSW	2.3	0.0	53	43	49	65	SE	0.3	0.0	51	41	48	66	NNE	0.3	0.0	49	42	46	59	W	1.9	0.0	53	43	49	62	SE	0.3	0.0	52	42	49	72	S	2.8	0.0	53	45	50	64	N	0.0	0.0
5:00	58	55	57	70	SW	3.6	0.0	57	50	54	66	N	0.0	0.0	54	46	51	65	N	0.0	0.0	50	44	48	60	W	1.9	0.0	56	51	54	68	SE	1.1	0.0	57	52	55	67	SSW	3.3	0.0	57	52	55	74	N	0.0	0.0
6:00	56	53	55	68	SSW	4.8	0.0	57	53	56	71	N	0.0	0.0	56	51	54	72	ENE	1.3	0.0	52	45	51	70	SW	1.9	0.0	56	52	55	70	SE	0.6	0.0	56	52	55	72	SSW	2.3	0.0	57	53	55	73	NE	0.6	0.0
7:00					SSW	3.1	1.4	57	54	56	75	S	0.7	0.0	58	53	58	79	ENE	1.5	0.0	53	48	52	70	SSW	0.3	0.0	56	53	55	75	N	0.0	0.0	57	53	56	77	SW	1.8	0.0	57	54	56	75	N	0.0	0.0
8:00	57	55	56	71	SSW	2.8	0.2	58	53	56	79	SSE	1.4	0.0	57	54	56	68	ENE	1.9	0.0	54	49	52	70	S	0.5	0.0	57	53	55	67	N	0.0	0.0	57	54	56	66	S	1.4	0.0	58	54	56	72	ENE	1.5	0.0
9:00	57	54	56	67	S	2.7	0.0	56	52	55	66	S	2.5	0.0	57	54	56	74	E	2.2	0.0	54	50	53	72	WSW	2.1	0.0	56	52	54	68	SSE	2.6	0.0	57	53	55	71	SSW	1.5	0.0	57	53	55	68	ESE	2.4	0.0
10:00	57	53	56	68	S	3.0	0.0	56	52	54	71	SW	2.2	0.0	57	54	55	68	ENE	1.9	0.0	54	50	54	82	WSW	4.2	0.0	56	51	55	74	S	3.9	0.0	56	51	55	78	ESE	0.9	0.0	57	53	56	72	E	2.7	0.0
11:00	57	52	55	72	SSW	4.7	0.0	56	52	55	72	ESE	1.5	0.0	57	54	56	69	N	2.7	0.0	55	51	53	68	SW	4.4	0.0	56	51	54	70	S	3.1	0.0	56	51	54	74	SSE	1.9	0.0	57	53	55	66	NNE	2.8	0.0
12:00	56	52	55	68	SSW	4.4	0.2	56	52	54	73	S	2.4	0.0	58	53	56	72	N	2.8	0.0	55	51	53	70	SW	4.6	0.0	57	51	55	77	SSE	3.3	0.0	55	51	54	67	SE	1.0	0.0	57	53	56	72	NNW	2.8	0.0
13:00	56	53	55	68	SW	5.0	0.0	56	52	55	88	S	2.1	0.0	57	53	55	70	NW	3.6	0.0	54	51	52	70	SW	4.1	0.0	56	51	54	74	S	3.6	0.0	56	51	54	72	NE	0.9	0.0	57	53	55	70	ENE	3.0	0.0
14:00					SW	5.4	0.0	56	52	55	69	WSW	0.3	0.0	57	53	56	66	NW	3.3	0.0	55	51	54	76	SW	4.6	0.0					SSW	6.1	0.0	56	52	54	67	SW	1.5	0.0	56	52	54	65	ESE	1.6	0.0
15:00					SW	5.4	0.0	55	51	53	73	W	3.0	0.0	57	53	56	72	WSW	4.8	0.0					SSW	5.4	0.0					SW	6.0	0.0	54	50	53	64	S	1.1	0.0	55	50	53	69	SSW	3.0	0.0
16:00					SW	5.4	0.0	55	51	54	67	W	3.0	0.0					SW	7.9	0.0					SW	5.3	0.0					SSW	5.8	0.0	54	50	52	65	SSW	2.2	0.0	54	50	52	77	S	3.6	0.0
17:00					SW	5.2	0.0	55	52	54	70	W	3.5	0.0					SW	6.5	0.0	55	51	54	73	SSW	4.7	0.0					SSW	5.6	0.0	54	48	53	74	SSW	3.3	0.0					S	5.3	0.0
18:00	55	52	54	73	SSW	3.0	0.0	55	51	54	74	W	3.3	0.0					SSW	6.1	0.0	54	50	53	75	SSW	4.2	0.0	55	51	54	80	S	4.4	0.0	54	50	54	83	S	3.6	0.0	54	52	54	77	S	4.2	0.0
19:00	54	50	53	71	S	2.4	0.0	54	51	53	65	W	2.8	0.0	54	50	52	71	SSW	4.2	0.0	53	49	51	73	SW	5.0	0.0	54	50	52	78	S	5.0	0.0	53	49	52	72	S	2.8	0.0	54	50	52	64	SSE	2.8	0.0
20:00	53	50	52	63	SSW	2.0	0.0	53	50	52	65	SW	1.3	0.0	53	49	53	76	SSW	3.5	0.0	53	49	51	71	S	4.2	0.0	53	49	51	72	S	3.9	0.0	53	49	53	74	S	2.4	0.0	54	51	53	73	SSE	2.2	0.0
21:00	53	49	51	64	SSW	2.5	0.0	53	50	52	63	SSW	1.8	0.0	53	49	51	63	SSW	3.5	0.0	52	47	50	64	S	3.3	0.0	52	48	51	64	S	2.8	0.0	53	49	52	63	S	1.8	0.0	54	51	53	68	SE	0.8	0.0
22:00	52	47	51	64	SSE	1.1	0.0	54	50	52	63	N	0.0	0.0	52	49	51	66	SSW	3.3	0.0	51	45	49	60	S	3.6	0.0	52	46	49	63	S	2.2	0.0	52	47	51	67	S	0.8	0.0	53	49	52	64	ESE	0.6	0.0
23:00	52	45	49	60	SSW	1.7	0.0	54	49	52	69	N	0.0	0.0	53	48	51	67	SSW	1.9	0.0	50	42	47	66	S	2.8	0.0	50	42	48	65	S	2.0	0.0	51	45	49	62	SSW	0.8	0.0	53	48	51	67	N	0.0	0.0
L ₁₀ , 18hr, 6-24h								55							56																																		
L _{eq} , 15hr, 7-22h									54							55																																	
L _{eq} , 9hr, 22-7h									51							50																																	
L _{eq} , 16hr, 6-22h									54							55																																	
L _{eq} , 8hr, 22-6h									50							50																																	
L _{max} , 24h									88							79																																	
Adverse Weather Count	5							0							3							2							4							0							1						

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

2/46 Gedye St, Doncaster

SITE ID

46

Dominant Road	Eastern Freeway	From	10/03/2018	Address	2/46 Gedye St
18-hr Traffic Flow	-	To	22/03/2018	Suburb	Doncaster
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 8'55.07"E
Distance to Road (m)	45	Inst. Serial #	164396	Latitude	37°47'57.52"S
% of H.V.	-	Operator	-	BOM Station	-
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	10/03	11/03	14/03	15/03	16/03	19/03	20/03	21/03
L _{10,18hr} , Arith Av, 6-24h	60	59 dBA	59 dBA	61 dBA	61 dBA	60 dBA	60 dBA	62 dBA	61 dBA
L _{eq,15hr} , Log Av, 7-22h	59	58 dBA	58 dBA	60 dBA	60 dBA	59 dBA	59 dBA	62 dBA	60 dBA
L _{eq,16hr} , Log Av, 6-22h	59	58 dBA	58 dBA	60 dBA	60 dBA	59 dBA	59 dBA	62 dBA	60 dBA
L _{eq,8hr} , Log Av, 22-6h	54	55 dBA	55 dBA	54 dBA	53 dBA	54 dBA	53 dBA	53 dBA	55 dBA
L _{eq,9hr} , Log Av, 22-7h	55	55 dBA	55 dBA	55 dBA	54 dBA	55 dBA	54 dBA	54 dBA	56 dBA

Site Zoom



Site Overview

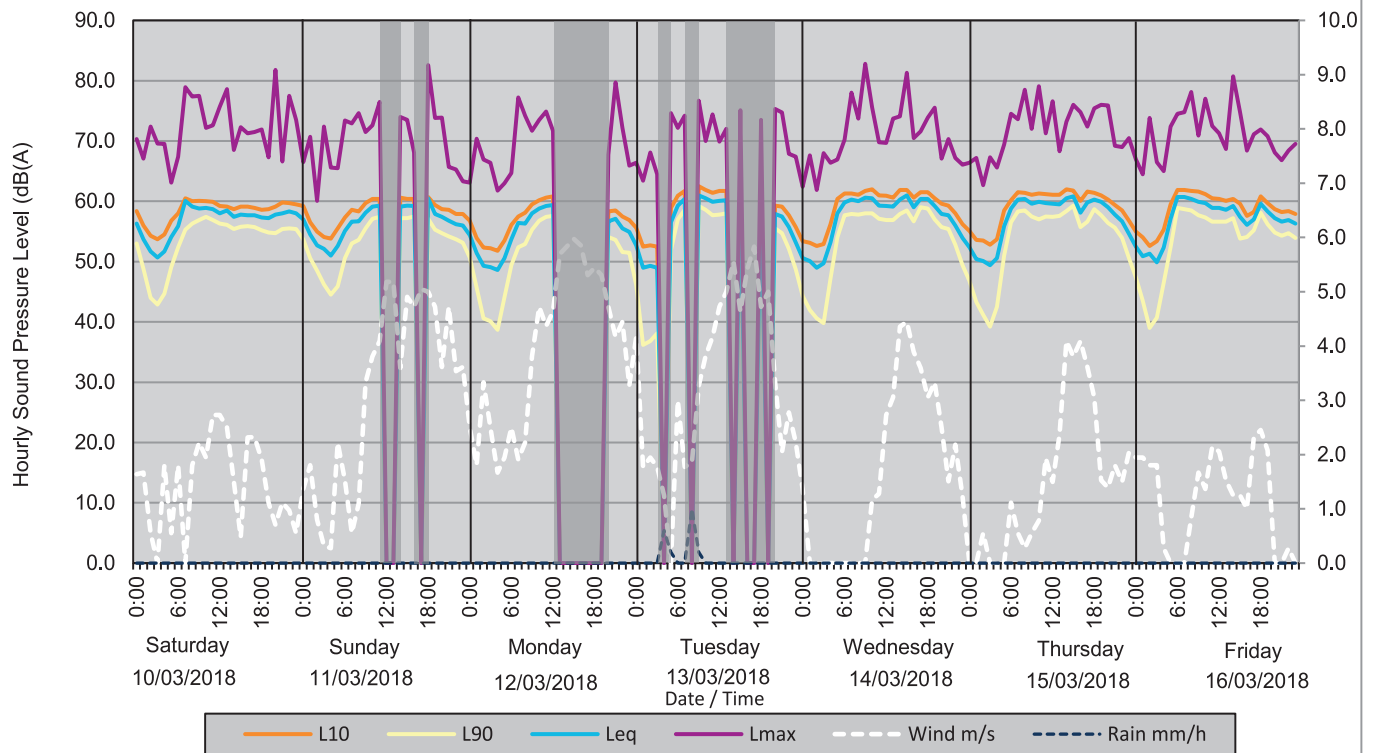


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Saturday 10/03/2018							Sunday 11/03/2018							Monday 12/03/2018							Tuesday 13/03/2018							Wednesday 14/03/2018							Thursday 15/03/2018							Friday 16/03/2018						
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	58	53	56	70	NW	1.6	0.0	59	54	57	67	ESE	1.4	0.0	57	51	54	63	s	2.5	0.0	56	46	53	66	SSW	4.2	0.0	53	44	51	62	WSW	1.4	0.0	55	47	52	66	N	0.0	0.0	55	47	53	67	SW	1.9	0.0
1:00	56	49	54	67	NNW	1.7	0.0	57	51	55	71	W	1.8	0.0	54	46	51	70	s	1.8	0.0	53	36	49	63	SSW	1.8	0.0	53	42	50	68	N	0.0	0.0	54	43	50	67	N	0.0	0.0	54	44	51	65	SW	1.9	0.0
2:00	54	44	52	72	NE	0.6	0.0	55	49	53	60	NNW	0.8	0.0	52	41	49	67	s	3.3	0.0	53	37	49	68	SW	1.9	0.0	53	41	49	62	N	0.0	0.0	54	41	50	63	s	0.6	0.0	53	39	51	74	SW	1.8	0.0
3:00	54	43	51	70	N	0.0	0.0	54	46	52	72	SSE	0.3	0.0	52	40	49	66	s	2.5	0.0	53	38	49	65	W	1.8	0.0	53	40	50	68	N	0.0	0.0	53	39	49	67	N	0.0	0.0	53	41	50	67	SW	1.8	0.0
4:00	55	45	52	70	ENE	1.8	0.0	54	45	51	66	ENE	0.3	0.0	52	39	49	62	s	1.7	0.0					W	1.3	0.6	56	47	53	66	N	0.0	0.0	54	43	51	66	N	0.0	0.0	55	47	52	65	SW	0.3	0.0
5:00	57	49	54	63	ENE	0.6	0.0	56	46	53	66	E	2.2	0.0	54	44	51	63	s	1.9	0.0	59	52	57	75	N	0.0	0.2	60	54	58	67	N	0.0	0.0	59	51	56	69	N	0.0	0.0	60	52	57	72	N	0.0	0.0
6:00	58	52	56	67	ENE	1.8	0.0	57	51	55	73	E	1.5	0.0	56	49	54	65	s	2.5	0.0	61	57	59	72	SW	3.0	0.0	61	58	60	70	N	0.0	0.0	60	57	59	75	s	1.1	0.0	62	59	61	75	N	0.0	0.0
7:00	61	55	60	79	N	0.0	0.0	59	53	57	73	N	0.6	0.0	58	52	56	77	s	1.9	0.0	62	59	60	74	WSW	1.8	0.0	61	58	60	78	N	0.0	0.0	62	58	60	74	s	0.6	0.0	62	59	61	75	N	0.0	0.0
8:00	60	56	59	77	ENE	1.8	0.0	58	54	57	75	WSW	1.1	0.0	58	53	56	74	s	2.2	0.0					SSW	1.8	1.0	61	58	60	74	N	0.0	0.0	61	59	60	79	s	0.3	0.0	62	59	60	78	SSW	0.8	0.0
9:00	60	57	59	78	E	2.2	0.0	60	56	58	72	WSW	3.3	0.0	60	55	58	72	SSW	3.8	0.0	63	59	61	77	SSW	3.3	0.2	62	58	61	83	N	0.0	0.0	61	58	60	72	s	0.6	0.0	62	58	60	71	SSW	1.7	0.0
10:00	60	57	59	72	E	1.9	0.0	60	57	59	73	SW	3.8	0.0	60	57	59	74	SSW	4.7	0.0	62	59	61	70	SSW	3.8	0.0	62	58	61	76	SSW	1.2	0.0	61	57	60	79	SE	0.8	0.0	61	57	60	77	SW	1.4	0.0
11:00	60	57	59	73	ENE	2.7	0.0	60	57	59	77	SSW	4.1	0.0	61	57	59	75	SSW	4.4	0.0	61	58	60	74	SSW	4.2	0.0	61	57	59	70	E	1.3	0.0	61	58	60	71	SW	1.9	0.0	61	57	59	73	N	2.1	0.0
12:00	59	56	58	76	NE	2.7	0.0					SW	5.2	0.0	61	58	59	72	SW	4.6	0.0	62	58	60	70	SW	4.7	0.0	61	57	59	70	WSW	2.7	0.0	61	57	60	77	SW	1.5	0.0	60	57	59	71	N	2.1	0.0
13:00	59	56	59	79	NE	2.5	0.0					SW	5.2	0.0					SSW	5.7	0.0	62	58	60	72	SSW	5.0	0.0	61	57	59	74	SW	3.1	0.0	61	58	60	68	SW	2.4	0.0	60	57	59	69	N	1.5	0.0
14:00	59	55	57	69	N	1.5	0.0	61	57	59	74	SSW	3.6	0.0					SSW	5.8	0.0					SSW	5.6	0.0	62	58	60	74	SW	4.4	0.0	62	58	61	73	SW	4.1	0.0	60	57	59	81	W	1.2	0.0
15:00	59	56	58	72	NE	0.5	0.0	60	57	59	74	SSW	4.9	0.0					SSW	6.0	0.0	62	59	61	75	SW	4.6	0.0	62	59	61	81	SW	4.4	0.0	62	59	61	76	WSW	3.8	0.0	60	54	57	75	NNE	1.3	0.0
16:00	59	56	58	71	N	2.3	0.0	60	58	59	68	SW	4.7	0.0					SSW	5.9	0.0					SSW	5.4	0.0	61	57	59	71	SW	3.9	0.0	60	56	58	75	SW	4.1	0.0	58	54	56	68	WNW	1.0	0.0
17:00	59	56	58	72	ENE	2.3	0.0					SSW	5.0	0.0					SSW	5.3	0.0					SSW	5.8	0.0	62	59	60	72	SW	3.6	0.0	62	57	60	72	s	3.6	0.0	58	55	57	71	s	2.3	0.0
18:00	59	55	57	72	E	1.9	0.0	61	57	61	83	SW	5.0	0.0					s	5.4	0.0	62	59	60	74	SSW	4.7	0.0	62	59	60	74	SSW	3.1	0.0	61	59	60	75	s	3.1	0.0	61	58	60	72	SW	2.4	0.0
19:00	59	55	57	67	E	1.1	0.0	59	55	58	74	SW	4.7	0.0					s	5.3	0.0					SSW	5.0	0.0	61	57	59	76	SSW	3.3	0.0	61	58	60	76	s	1.5	0.0	60	56	58	71	W	2.1	0.0
20:00	59	55	58	82	NE	0.7	0.0	59	55	57	74	SSW	3.6	0.0	58	54	57	68	SSW	4.7	0.0	59	56	58	75	SSW	3.3	0.0	60	56	58	67	SW	2.5	0.0	60	56	59	76	SE	1.4	0.0	59	55	57	68	N	0.0	0.0
21:00	60	55	58	67	NNE	1.1	0.0	59	54	57	66	SSW	4.7	0.0	59	54	57	80	SSW	4.2	0.0	59	55	58	75	s	2.0	0.0	59	55	58	70	SSW	1.5	0.0	59	56	58	69	s	1.8	0.0	58	54	57	67	N	0.0	0.0
22:00	60	56	58	78	SSW	1.0	0.0	58	54	56	65	s	3.5	0.0	58	52	56	72	SSW	4.4	0.0	58	52	56	68	SSW	2.8	0.0	58	53	56	67	SSW	2.2	0.0	59	54	57	69	SSW	1.5	0.0	58	55	57	68	WNW	0.3	0.0
23:00	60	55	58	74	W	0.6	0.0	58	53	56	63	SSW	3.6	0.0	57	52	55	66	SW	3.3	0.0	56	49	53	67	SW	2.2	0.0	56	49	54	66	SSW	1.2	0.0	57	51	55	71	SSW	2.0	0.0	58	54	56	70	N	0.0	0.0
L ₁₀ , 18hr, 6-24h	59							59																				61								61													
L _{eq} , 15hr, 7-22h		58							58																					60									60						59				
L _{eq} , 9hr, 22-7h		55							55																						55									54					55				
L _{eq} , 16hr, 6-22h		58							58																						60									60					59				
L _{eq} , 8hr, 22-6h		55							55																							54									53					54			
L _{max} , 24h			82								83																					83									79					81			
Adverse Weather Count	0							3							7							6							0							0							0						

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

21 Middlefield Dr, Blackburn
North

SITE ID
47

Dominant Road	Eastern Freeway	From	14/04/2018	Address	21 Middlefield Dr
18-hr Traffic Flow	-	To	24/04/2018	Suburb	Blackburn North
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 9'5.65"E
Distance to Road (m)	95	Inst. Serial #	164394	Latitude	37°48'5.04"S
% of H.V.	-	Operator	MV	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	14/04	15/04	16/04	19/04	20/04	21/04	22/04	23/04
L _{10,18hr} , Arith Av, 6-24h	58	64 dBA	61 dBA	59 dBA	57 dBA	56 dBA	57 dBA	56 dBA	58 dBA
L _{eq,15hr} , Log Av, 7-22h	59	64 dBA	60 dBA	59 dBA	56 dBA	57 dBA	57 dBA	56 dBA	57 dBA
L _{eq,16hr} , Log Av, 6-22h	59	64 dBA	60 dBA	60 dBA	56 dBA	57 dBA	57 dBA	56 dBA	57 dBA
L _{eq,8hr} , Log Av, 22-6h	53	53 dBA	56 dBA	56 dBA	51 dBA	52 dBA	51 dBA	51 dBA	50 dBA
L _{eq,9hr} , Log Av, 22-7h	54	54 dBA	56 dBA	57 dBA	53 dBA	53 dBA	52 dBA	51 dBA	51 dBA

Site Zoom



Site Overview

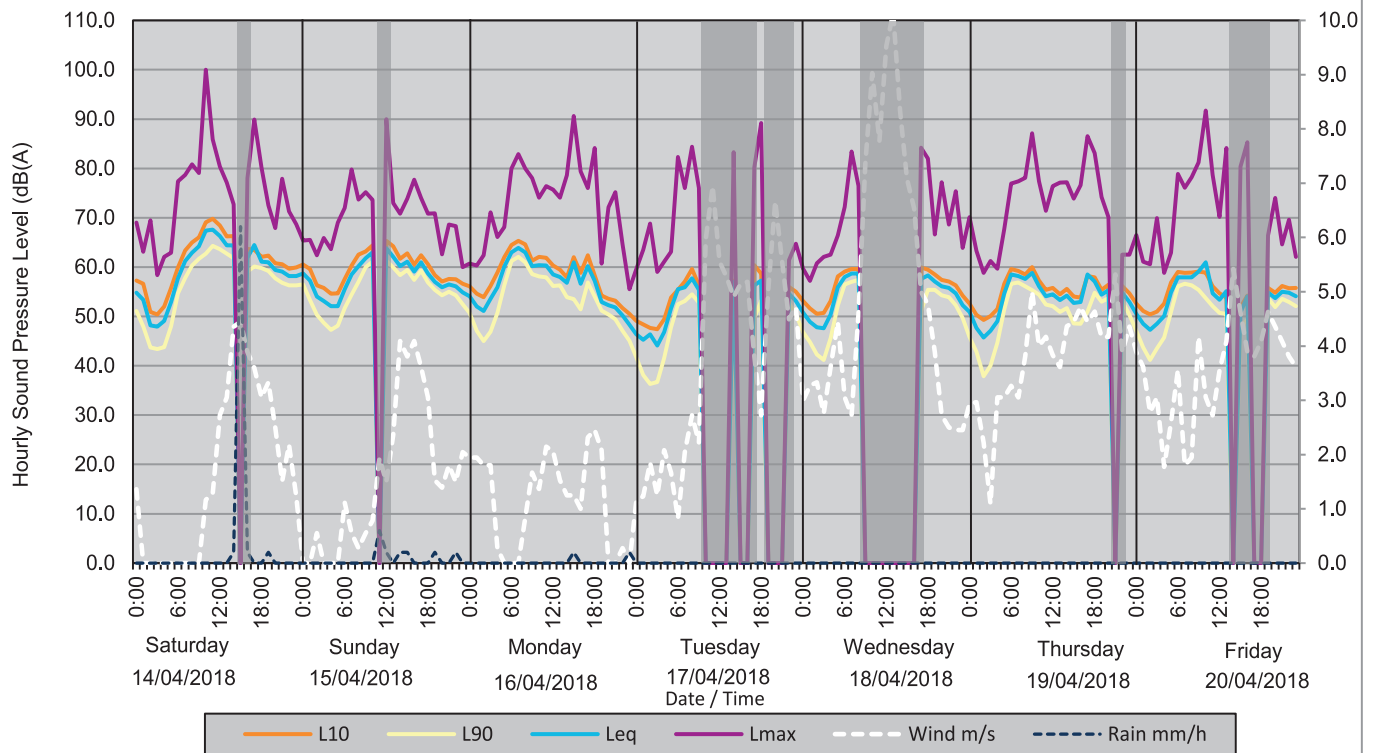


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Saturday 14/04/2018							Sunday 15/04/2018							Monday 16/04/2018							Tuesday 17/04/2018							Wednesday 18/04/2018							Thursday 19/04/2018							Friday 20/04/2018						
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	57	51	55	69	WSW	1.4	0.0	61	57	59	65	N	0.0	0.0	56	51	54	61	SW	1.9	0.0	49	42	46	60	NE	1.2	0.0	53	47	51	60	ENE	3.0	0.0	53	46	51	70	N	2.9	0.0	53	47	51	67	W	3.9	0.0
1:00	57	48	53	63	N	0.0	0.0	60	53	57	66	N	0.0	0.0	55	47	52	60	SW	1.9	0.0	48	38	45	64	E	1.2	0.0	52	45	49	57	NNE	3.3	0.0	50	43	48	63	N	3.0	0.0	51	44	49	61	W	3.6	0.0
2:00	51	44	48	70	N	0.0	0.0	56	50	54	62	S	0.6	0.0	54	45	51	62	SW	1.8	0.0	48	36	46	69	ENE	1.8	0.0	51	42	48	61	ENE	3.3	0.0	49	38	46	59	NW	2.2	0.0	50	41	47	61	W	2.8	0.0
3:00	50	43	48	58	N	0.0	0.0	56	49	53	66	N	0.0	0.0	56	47	54	71	SW	1.8	0.0	47	37	44	59	SE	1.3	0.0	51	41	48	62	N	2.8	0.0	50	40	47	61	N	1.1	0.0	51	44	49	70	W	3.1	0.0
4:00	52	44	49	62	N	0.0	0.0	55	47	52	64	N	0.0	0.0	59	51	56	66	SW	0.3	0.0	49	42	47	61	SE	2.1	0.0	53	46	50	63	NW	3.6	0.0	52	45	49	60	N	3.1	0.0	53	46	50	59	W	1.8	0.0
5:00	56	48	53	63	N	0.0	0.0	55	48	52	69	N	0.0	0.0	62	56	60	68	N	0.0	0.0	54	48	52	63	SE	1.7	0.0	58	52	56	66	NW	4.4	0.0	57	51	55	68	NNE	3.1	0.0	57	51	55	63	SW	2.6	0.0
6:00	60	55	58	77	N	0.0	0.0	58	52	56	72	S	1.1	0.0	65	61	63	80	N	0.0	0.0	55	53	56	82	ESE	0.8	0.0	59	57	58	72	NW	3.1	0.0	60	57	59	77	NNE	3.3	0.0	59	56	58	79	SW	3.6	0.0
7:00	63	58	61	79	N	0.0	0.0	60	54	59	80	S	0.6	0.0	65	62	64	83	N	0.0	0.0	57	53	56	76	ESE	2.0	0.0	60	57	59	83	NNW	2.7	0.0	59	57	58	77	NNE	3.1	0.0	59	57	58	76	SSW	1.8	0.0
8:00	65	60	63	81	N	0.0	0.0	63	57	60	74	S	0.3	0.0	65	61	63	80	SSW	0.8	0.0	60	55	58	84	SE	2.7	0.0	60	57	59	77	WNW	4.6	0.0	59	56	58	78	N	3.8	0.0	59	56	58	78	SSW	1.9	0.0
9:00	66	62	64	79	N	0.0	0.0	63	60	62	75	S	0.6	0.0	61	59	60	78	SSW	1.7	0.0	56	53	55	76	NE	2.2	0.0					WNW	7.4	0.0	60	55	59	87	N	5.0	0.0	59	55	59	81	SSW	4.2	0.0
10:00	69	63	67	##	SSW	1.2	0.0	64	61	63	74	SE	0.8	0.0	62	58	60	74	SW	1.4	0.0					N	6.0	0.0					W	9.0	0.0	57	54	56	77	N	4.0	0.0	59	54	61	92	SSW	3.1	0.0
11:00	70	64	68	86	E	1.3	0.0					SW	1.9	0.6	62	58	60	76	N	2.1	0.0					N	6.9	0.0					WNW	7.8	0.0	55	52	54	71	N	4.2	0.0	56	52	55	79	S	2.7	0.0
12:00	68	64	66	80	WSW	2.7	0.0	65	61	64	90	SW	1.5	0.2	60	56	59	76	N	2.1	0.0					N	5.6	0.0					W	9.5	0.0	56	52	55	76	N	3.8	0.0	55	51	53	70	SSE	3.5	0.0
13:00	66	63	64	77	SW	3.1	0.0	64	60	62	73	SW	2.4	0.0	60	56	58	74	N	1.5	0.0					NNE	5.3	0.0					W	###	0.0	55	51	53	77	NW	3.6	0.0	54	51	55	84	S	4.1	0.0
14:00	66	62	64	73	SW	4.4	0.2	62	58	60	71	SW	4.1	0.2	58	54	57	79	W	1.2	0.0	57	52	57	83	NNE	4.9	0.0					WNW	8.3	0.0	56	52	54	77	NW	4.4	0.0					SSW	5.4	0.0
15:00					SW	4.4	6.2	63	59	61	74	WSW	3.8	0.2	62	54	61	91	NNE	1.3	0.2					NE	5.1	0.0					W	7.1	0.0	54	49	53	74	NW	4.4	0.0	52	48	51	80	S	4.6	0.0
16:00	64	59	62	78	SW	3.9	0.2	61	57	59	78	SW	4.1	0.0	59	51	57	79	WNW	1.0	0.0					NE	5.2	0.0					W	6.5	0.0	54	49	53	77	NW	4.7	0.0	54	49	54	85	S	3.9	0.0
17:00	64	60	65	90	SW	3.6	0.0	62	59	61	74	S	3.6	0.0	62	57	60	76	S	2.3	0.0	60	50	56	80	NNE	3.8	0.0	60	51	58	84	WNW	5.0	0.0	58	51	59	87	W	4.4	0.0					SSW	3.8	0.0
18:00	62	60	61	80	SSW	3.1	0.0	61	57	59	71	S	3.1	0.0	58	54	57	84	SW	2.4	0.0	59	53	57	89	NE	2.7	0.0	60	55	58	82	W	4.8	0.0	58	55	57	83	WSW	4.6	0.0					S	4.1	0.0
19:00	62	59	61	73	SSW	3.3	0.2	58	55	57	71	S	1.5	0.2	54	51	53	61	W	2.1	0.0					NNE	5.1	0.0	59	55	57	67	W	3.9	0.0	55	53	54	74	SW	4.2	0.0	56	54	55	66	S	4.6	0.0
20:00	61	58	59	68	SW	2.5	0.0	57	54	56	63	SE	1.4	0.0	54	50	52	72	N	0.0	0.0					NNE	6.7	0.0	57	54	56	77	W	2.7	0.0	56	54	55	70	WSW	4.2	0.0	55	52	54	74	SSW	4.4	0.0
21:00	61	57	59	78	SSW	1.5	0.0	58	55	57	69	S	1.8	0.0	53	49	52	75	N	0.0	0.0					NE	5.6	0.0	57	54	56	69	NNW	2.5	0.0					SW	5.3	0.0	56	54	55	65	S	4.1	0.0
22:00	60	56	58	71	SSW	2.2	0.0	58	54	56	68	SSW	1.5	0.2	52	47	50	65	WNW	0.3	0.0	56	53	55	61	NE	4.5	0.0	56	52	55	75	NW	2.4	0.0	56	53	55	63	WSW	3.9	0.0	56	53	55	70	SSW	3.8	0.0
23:00	60	56	58	69	SSW	1.2	0.0	57	53	55	60	SSW	2.0	0.0	51	45	48	56	N	0.0	0.2	55	51	53	65	ENE	4.7	0.0	54	50	52	64	N	2.5	0.0	55	50	53	63	SW	4.4	0.0	56	52	54	62	S	3.6	0.0
L ₁₀ , 18hr, 6-24h	64							61							59																				57														
L _{eq} , 15hr, 7-22h		64							60							59																				56													
L _{eq} , 9hr, 22-7h		54							56							57																				53													
L _{eq} , 16hr, 6-22h		64							60							60																				56													
L _{eq} , 8hr, 22-6h		53							56							56																				51													
L _{max} , 24h			##						90							91																					87												
Adverse Weather Count	1							1							0							9							8							1							3						

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

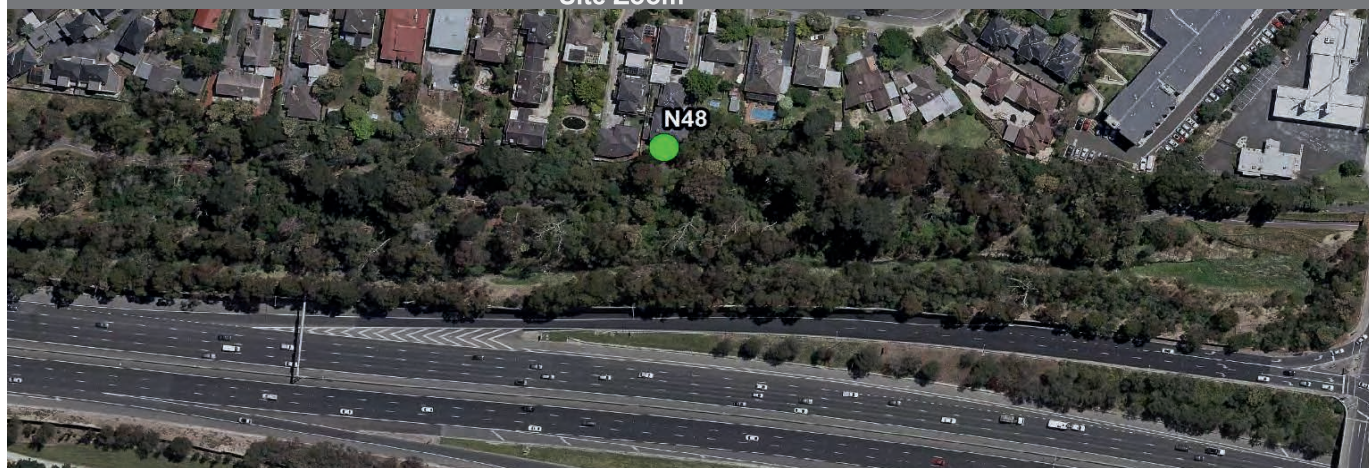
3/22 Boronia Gr, Doncaster East

SITE ID
48

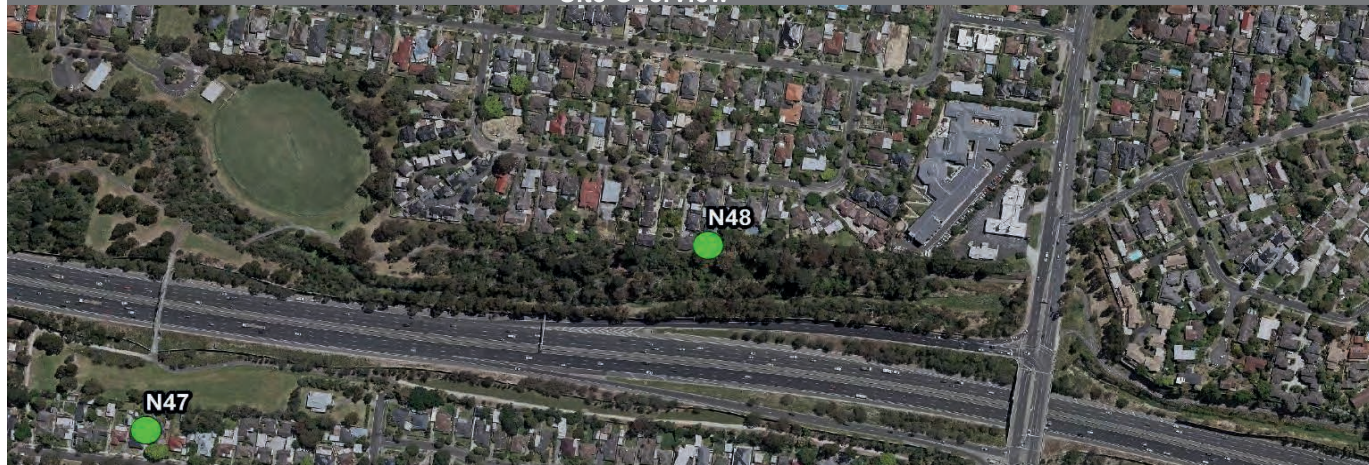
Dominant Road	Eastern Freeway	From	1/03/2018	Address	3/22 Boronia Gr
18-hr Traffic Flow	-	To	9/03/2018	Suburb	Doncaster East
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 9'24.26"E
Distance to Road (m)	70	Inst. Serial #	865769	Latitude	37°48'0.12"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	2/03	3/03	4/03	6/03	7/03	8/03
L _{10,18hr} , Arith Av, 6-24h	60	61 dBA	60 dBA	60 dBA	61 dBA	60 dBA	60 dBA
L _{eq,15hr} , Log Av, 7-22h	60	60 dBA	59 dBA	60 dBA	60 dBA	59 dBA	60 dBA
L _{eq,16hr} , Log Av, 6-22h	60	60 dBA	59 dBA	60 dBA	60 dBA	59 dBA	60 dBA
L _{eq,8hr} , Log Av, 22-6h	55	56 dBA	54 dBA	54 dBA	56 dBA	54 dBA	54 dBA
L _{eq,9hr} , Log Av, 22-7h	56	57 dBA	54 dBA	54 dBA	57 dBA	55 dBA	55 dBA

Site Zoom



Site Overview

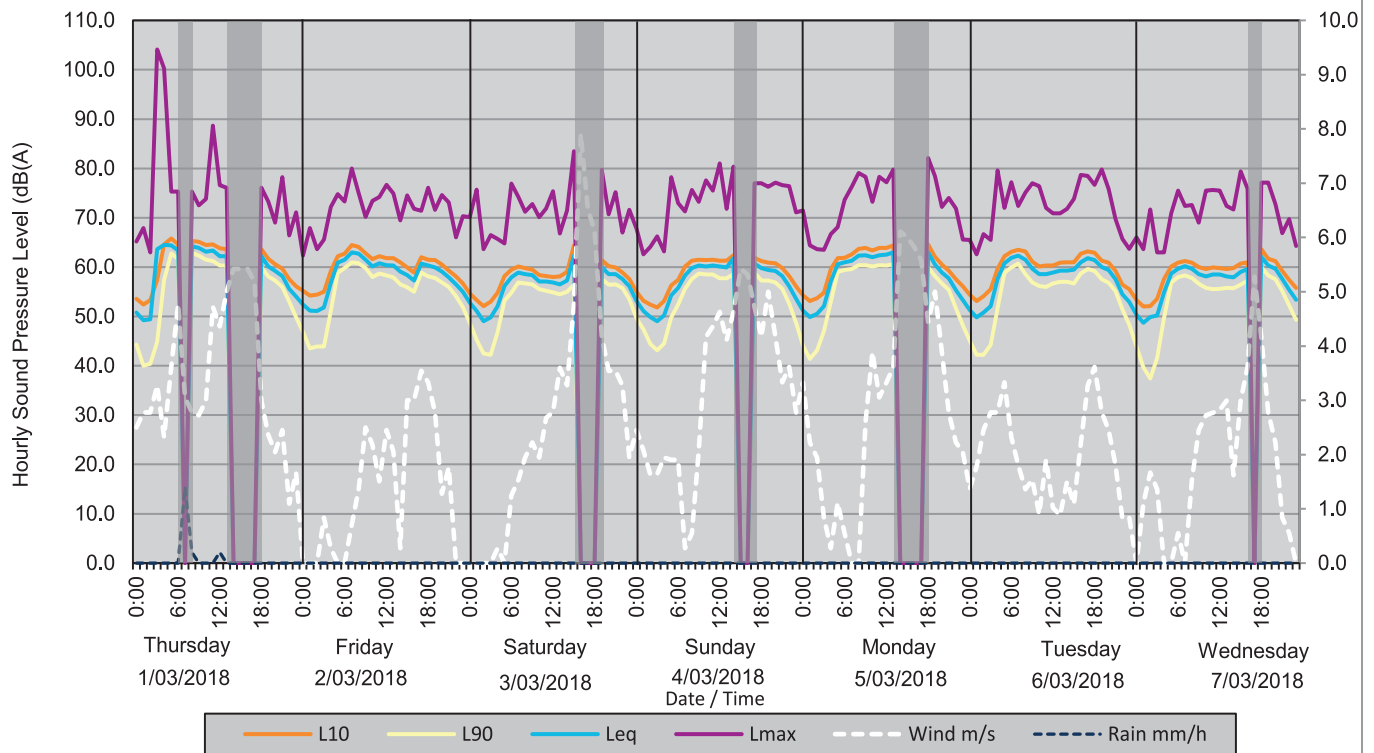


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Thursday 01/03/2018						Friday 02/03/2018						Saturday 03/03/2018						Sunday 04/03/2018						Monday 05/03/2018						Tuesday 06/03/2018						Wednesday 07/03/2018												
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	54	44	51	65	WSW	2.5	0.0	55	47	52	62	N	0.0	0.0	55	49	53	70	N	0.0	0.0	55	50	53	68	W	2.5	0.0	54	44	51	72	S	3.3	0.0	54	45	51	66	SSE	1.4	0.0	53	44	50	66	N	0.0	0.0
1:00	52	40	49	68	W	2.8	0.0	54	44	51	68	N	0.0	0.0	53	45	51	76	N	0.0	0.0	53	47	51	63	W	2.1	0.0	53	41	50	64	S	2.2	0.0	53	42	50	63	SSE	1.8	0.0	52	40	49	64	SW	1.1	0.0
2:00	53	40	49	63	W	2.8	0.0	54	44	51	64	N	0.0	0.0	52	43	49	64	N	0.0	0.0	52	44	50	64	W	1.6	0.0	54	43	51	64	S	1.9	0.0	54	42	51	67	S	2.4	0.0	52	37	50	72	N	1.7	0.0
3:00	57	45	64	##	WSW	3.3	0.0	55	44	52	66	SE	0.8	0.0	53	42	50	67	N	0.0	0.0	52	43	49	66	W	1.6	0.0	55	47	52	64	S	0.8	0.0	56	44	52	66	S	2.8	0.0	54	42	50	63	NNE	1.4	0.0
4:00	65	57	65	##	WSW	2.3	0.0	59	51	57	72	SE	0.3	0.0	55	47	52	66	NNE	0.3	0.0	53	45	50	63	W	1.9	0.0	60	53	57	67	SE	0.3	0.0	60	52	58	80	S	2.8	0.0	58	50	55	63	N	0.0	0.0
5:00	66	63	64	75	SW	3.6	0.0	62	59	61	75	N	0.0	0.0	58	53	56	65	N	0.0	0.0	56	50	54	78	W	1.9	0.0	62	59	61	68	SE	1.1	0.0	62	59	61	72	SSW	3.3	0.0	60	57	59	71	N	0.0	0.0
6:00	65	62	63	75	SSW	4.8	0.0	63	60	62	73	N	0.0	0.0	60	55	58	77	ENE	1.3	0.0	57	52	56	73	SW	1.9	0.0	62	59	61	74	SE	0.6	0.0	63	60	62	77	SSW	2.3	0.0	61	58	60	76	NE	0.6	0.0
7:00					SSW	3.1	1.4	65	61	63	80	S	0.7	0.0	60	57	59	74	ENE	1.5	0.0	60	56	58	71	SSW	0.3	0.0	63	60	61	76	N	0.0	0.0	64	61	62	72	SW	1.8	0.0	61	58	60	72	N	0.0	0.0
8:00	65	63	64	75	SSW	2.8	0.2	64	61	63	75	SSE	1.4	0.0	60	57	59	71	ENE	1.9	0.0	61	58	60	76	S	0.5	0.0	64	60	62	79	N	0.0	0.0	63	59	62	75	S	1.4	0.0	61	58	60	73	ENE	1.5	0.0
9:00	65	62	64	73	S	2.7	0.0	63	60	62	70	S	2.5	0.0	60	57	58	73	E	2.2	0.0	62	59	60	73	WSW	2.1	0.0	64	60	62	78	SSE	2.6	0.0	61	57	60	77	SSW	1.5	0.0	60	57	59	69	ESE	2.4	0.0
10:00	65	62	63	74	S	3.0	0.0	62	58	60	73	SW	2.2	0.0	58	56	57	70	ENE	1.9	0.0	61	59	60	78	WSW	4.2	0.0	63	60	62	73	S	3.9	0.0	60	56	59	76	ESE	0.9	0.0	60	56	58	76	E	2.7	0.0
11:00	65	61	63	89	SSW	4.7	0.0	62	59	61	74	ESE	1.5	0.0	58	55	57	72	N	2.7	0.0	62	59	60	76	SW	4.4	0.0	64	60	62	78	S	3.1	0.0	60	56	59	72	SSE	1.9	0.0	60	56	59	76	NNE	2.8	0.0
12:00	64	60	62	77	SSW	4.4	0.2	62	58	60	77	S	2.4	0.0	58	55	57	75	N	2.8	0.0	61	58	60	81	SW	4.6	0.0	64	60	63	77	SSE	3.3	0.0	60	57	59	71	SE	1.0	0.0	60	56	59	76	NNW	2.8	0.0
13:00	64	60	62	76	SW	5.0	0.0	62	58	60	75	S	2.1	0.0	58	55	57	67	NW	3.6	0.0	61	58	60	72	SW	4.1	0.0	64	61	63	80	S	3.6	0.0	61	57	59	71	NE	0.9	0.0	60	56	58	72	ENE	3.0	0.0
14:00					SW	5.4	0.0	61	57	59	70	WSW	0.3	0.0	59	55	57	72	NW	3.3	0.0	62	59	62	80	SW	4.6	0.0					SSW	6.1	0.0	61	57	59	72	SW	1.5	0.0	60	56	58	72	ESE	1.6	0.0
15:00					SW	5.4	0.0	60	56	58	75	W	3.0	0.0	64	56	62	84	WSW	4.8	0.0					SSW	5.4	0.0					SW	6.0	0.0	61	57	60	74	S	1.1	0.0	61	56	59	79	SSW	3.0	0.0
16:00					SW	5.4	0.0	59	55	57	72	W	3.0	0.0					SW	7.9	0.0					SW	5.3	0.0					SSW	5.8	0.0	63	59	61	79	SSW	2.2	0.0	61	57	60	76	S	3.6	0.0
17:00					SW	5.2	0.0	62	59	61	71	W	3.5	0.0					SW	6.5	0.0	62	59	61	77	SSW	4.7	0.0					SSW	5.6	0.0	63	60	62	79	SSW	3.3	0.0					S	5.3	0.0
18:00	64	60	62	76	SSW	3.0	0.0	62	58	60	76	W	3.3	0.0					SSW	6.1	0.0	61	57	60	77	SSW	4.2	0.0	65	60	63	82	S	4.4	0.0	63	59	61	77	S	3.6	0.0	64	60	62	77	S	4.2	0.0
19:00	62	58	60	73	S	2.4	0.0	61	58	60	72	W	2.8	0.0	61	58	60	80	SSW	4.2	0.0	61	57	59	76	SW	5.0	0.0	62	58	61	78	S	5.0	0.0	61	58	60	80	S	2.8	0.0	62	58	60	77	SSE	2.8	0.0
20:00	61	57	59	69	SSW	2.0	0.0	61	57	59	75	SW	1.3	0.0	60	56	59	71	SSW	3.5	0.0	61	57	59	77	S	4.2	0.0	61	57	59	72	S	3.9	0.0	61	57	59	76	S	2.4	0.0	61	58	60	73	SSE	2.2	0.0
21:00	60	56	58	78	SSW	2.5	0.0	59	56	58	73	SSW	1.8	0.0	60	57	59	75	SSW	3.5	0.0	60	56	58	77	S	3.3	0.0	59	55	58	74	S	2.8	0.0	59	55	58	70	S	1.8	0.0	59	55	58	67	SE	0.8	0.0
22:00	58	53	56	66	SSE	1.1	0.0	58	54	57	66	N	0.0	0.0	59	56	58	67	SSW	3.3	0.0	58	53	56	76	S	3.6	0.0	58	52	55	72	S	2.2	0.0	56	51	55	66	S	0.8	0.0	57	52	55	70	ESE	0.6	0.0
23:00	56	50	54	71	SSW	1.7	0.0	57	52	55	70	N	0.0	0.0	58	54	56	72	SSW	1.9	0.0	56	49	54	71	S	2.8	0.0	56	48	53	66	S	2.0	0.0	56	48	53	64	SSW	0.8	0.0	56	49	53	64	N	0.0	0.0
L ₁₀ , 18hr, 6-24h								61							60																																		
L _{eq} , 15hr, 7-22h										60																																							
L _{eq} , 9hr, 22-7h											57																																						
L _{eq} , 16hr, 6-22h												60																																					
L _{eq} , 8hr, 22-6h													56																																				
L _{max} , 24h														80																																			
Adverse Weather Count	5						0						3						2						4						0						1												

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

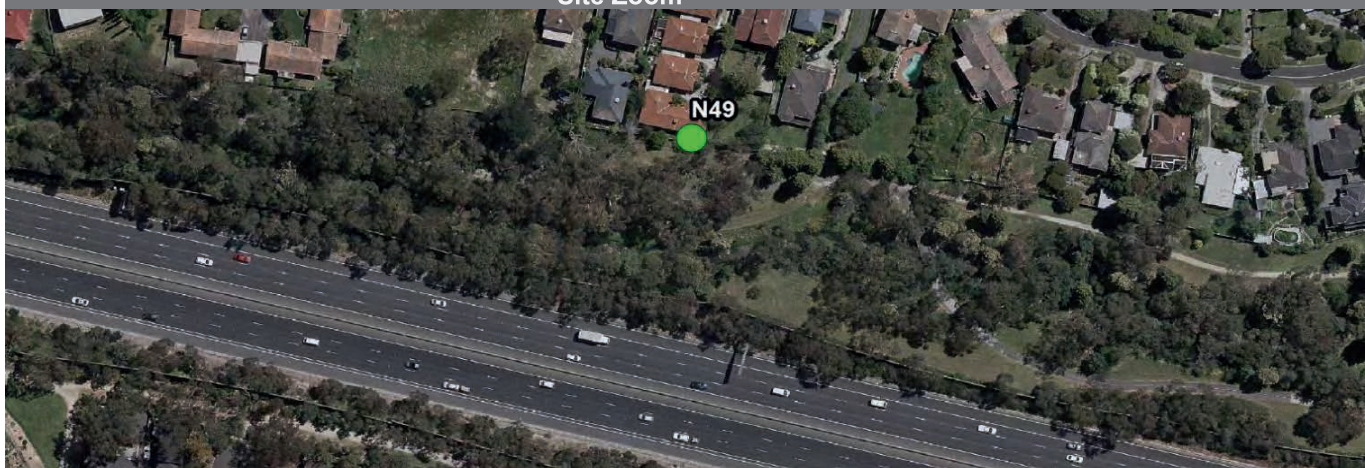
4/52 Bowen Rd, Doncaster East

SITE ID
49

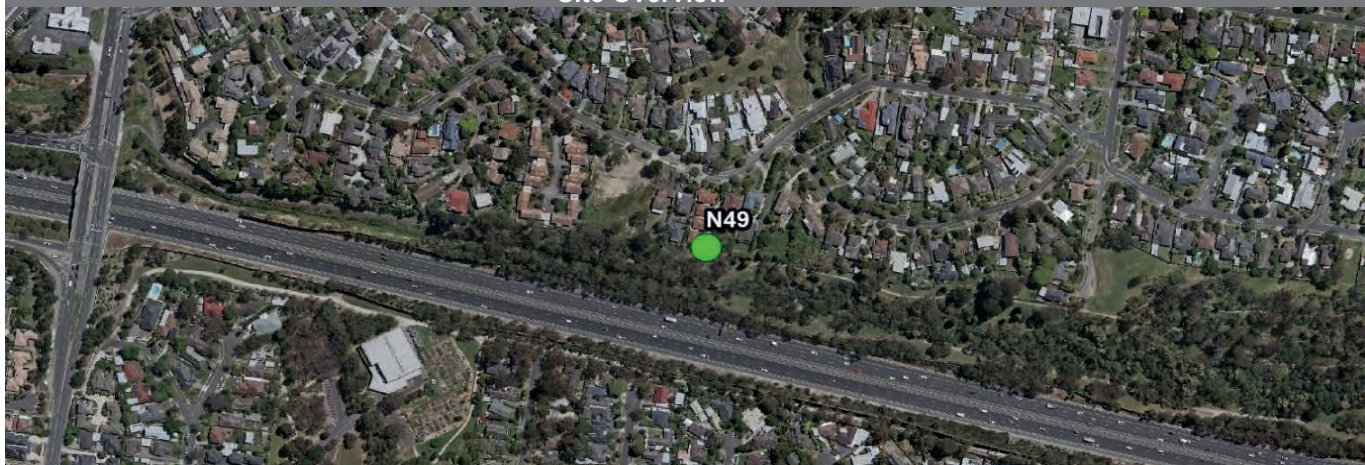
Dominant Road	Eastern Freeway	From	1/03/2018	Address	4/52 Bowen Rd
18-hr Traffic Flow	-	To	9/03/2018	Suburb	Doncaster East
Road Surface	Stone Seal	Mic. Height (m)	1.6	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145° 9'54.87"E
Distance to Road (m)	65	Inst. Serial #	164393	Latitude	37°48'6.43"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	2/03	3/03	4/03	6/03	7/03	8/03
L _{10,18hr} , Arith Av, 6-24h	58	59 dBA	58 dBA	58 dBA	59 dBA	59 dBA	57 dBA
L _{eq,15hr} , Log Av, 7-22h	58	58 dBA	57 dBA	58 dBA	58 dBA	58 dBA	58 dBA
L _{eq,16hr} , Log Av, 6-22h	58	58 dBA	57 dBA	58 dBA	58 dBA	58 dBA	58 dBA
L _{eq,8hr} , Log Av, 22-6h	52	52 dBA	53 dBA	52 dBA	52 dBA	52 dBA	53 dBA
L _{eq,9hr} , Log Av, 22-7h	53	54 dBA	53 dBA	52 dBA	53 dBA	53 dBA	54 dBA

Site Zoom



Site Overview

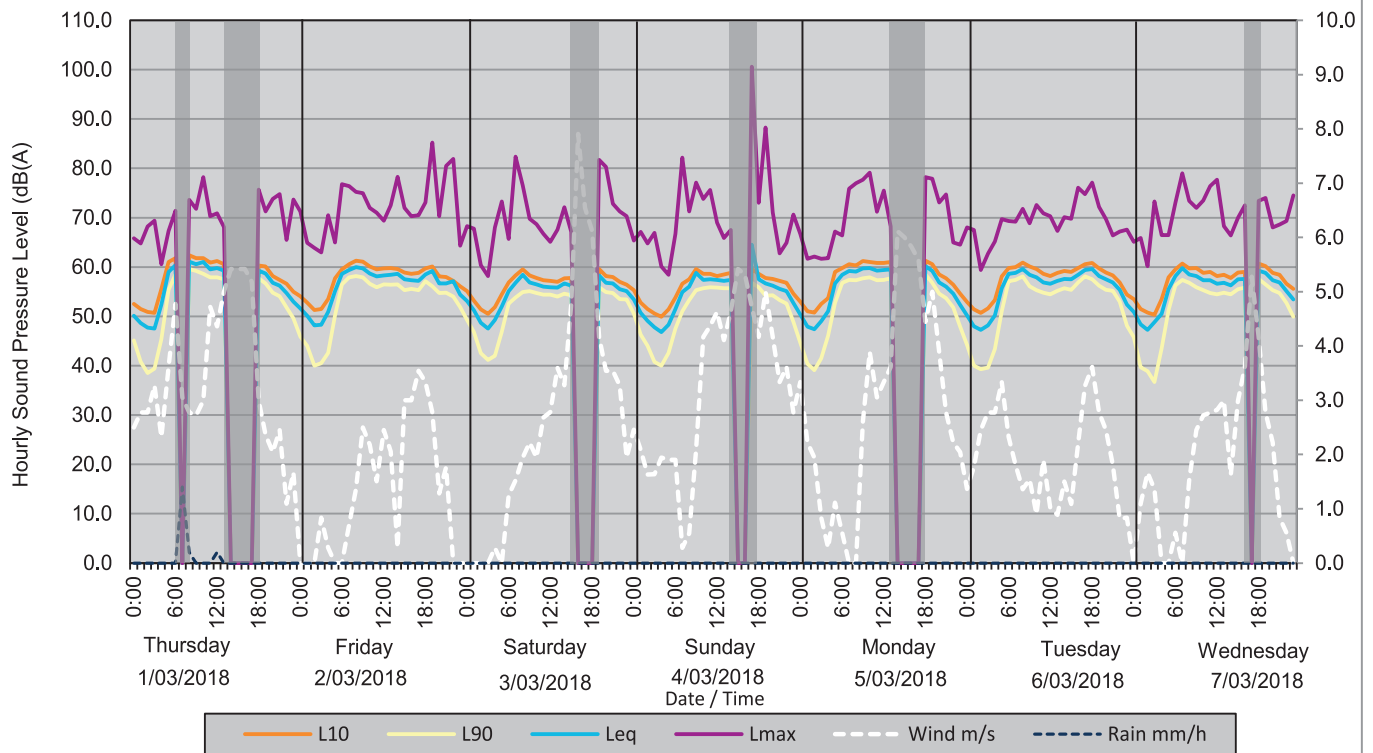


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Thursday 01/03/2018							Friday 02/03/2018							Saturday 03/03/2018							Sunday 04/03/2018							Monday 05/03/2018							Tuesday 06/03/2018							Wednesday 07/03/2018						
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	53	45	50	66	WSW	2.5	0.0	54	46	52	71	N	0.0	0.0	55	49	53	68	N	0.0	0.0	55	51	53	65	W	2.5	0.0	53	45	50	67	S	3.3	0.0	53	44	50	68	SSE	1.4	0.0	54	46	51	65	N	0.0	0.0
1:00	52	41	49	65	W	2.8	0.0	53	44	50	65	N	0.0	0.0	53	47	51	68	N	0.0	0.0	53	46	51	67	W	2.1	0.0	51	40	48	62	S	2.2	0.0	51	40	48	68	SSE	1.8	0.0	52	40	48	66	SW	1.1	0.0
2:00	51	39	48	68	W	2.8	0.0	51	40	48	64	N	0.0	0.0	51	43	49	60	N	0.0	0.0	52	44	49	65	W	1.6	0.0	51	39	47	62	S	1.9	0.0	51	39	47	59	S	2.4	0.0	51	39	47	60	N	1.7	0.0
3:00	51	39	48	69	WSW	3.3	0.0	52	41	48	63	SE	0.8	0.0	51	41	48	58	N	0.0	0.0	51	41	48	67	W	1.6	0.0	53	42	49	62	S	0.8	0.0	52	40	48	63	S	2.8	0.0	50	37	49	73	NNE	1.4	0.0
4:00	56	45	52	61	WSW	2.3	0.0	54	43	51	71	SE	0.3	0.0	52	42	49	68	NNE	0.3	0.0	50	40	47	60	W	1.9	0.0	54	46	51	62	SE	0.3	0.0	53	43	50	65	S	2.8	0.0	54	44	51	67	N	0.0	0.0
5:00	61	55	59	67	SW	3.6	0.0	58	50	55	65	N	0.0	0.0	55	47	52	73	N	0.0	0.0	51	43	48	58	W	1.9	0.0	59	53	57	67	SE	1.1	0.0	58	51	56	70	SSW	3.3	0.0	58	51	56	67	N	0.0	0.0
6:00	62	59	60	71	SSW	4.8	0.0	60	57	59	77	N	0.0	0.0	57	53	55	66	ENE	1.3	0.0	54	48	52	67	SW	1.9	0.0	60	57	58	66	SE	0.6	0.0	60	57	59	69	SSW	2.3	0.0	60	56	58	73	NE	0.6	0.0
7:00					SSW	3.1	1.4	61	58	59	76	S	0.7	0.0	58	54	57	82	ENE	1.5	0.0	57	51	55	82	SSW	0.3	0.0	61	57	59	76	N	0.0	0.0	60	57	59	69	SW	1.8	0.0	61	57	60	79	N	0.0	0.0
8:00	62	60	61	74	SSW	2.8	0.2	61	58	60	75	SSE	1.4	0.0	60	55	58	77	ENE	1.9	0.0	58	53	56	71	S	0.5	0.0	60	57	59	77	N	0.0	0.0	61	58	60	72	S	1.4	0.0	60	57	59	73	ENE	1.5	0.0
9:00	62	59	61	72	S	2.7	0.0	61	58	60	75	S	2.5	0.0	58	55	57	70	E	2.2	0.0	60	55	59	77	WSW	2.1	0.0	61	58	60	78	SSE	2.6	0.0	60	56	58	69	SSW	1.5	0.0	60	56	58	72	ESE	2.4	0.0
10:00	62	59	61	78	S	3.0	0.0	60	57	59	72	SW	2.2	0.0	58	55	57	69	ENE	1.9	0.0	59	56	57	74	WSW	4.2	0.0	61	58	60	79	S	3.9	0.0	60	55	58	73	ESE	0.9	0.0	59	55	57	74	E	2.7	0.0
11:00	61	58	60	70	SSW	4.7	0.0	60	56	58	71	ESE	1.5	0.0	57	54	56	67	N	2.7	0.0	59	56	58	76	SW	4.4	0.0	61	57	59	71	S	3.1	0.0	59	55	57	71	SSE	1.9	0.0	59	55	57	76	NNE	2.8	0.0
12:00	61	58	60	71	SSW	4.4	0.2	60	57	58	69	S	2.4	0.0	57	54	56	65	N	2.8	0.0	58	56	57	69	SW	4.6	0.0	61	57	59	76	SSE	3.3	0.0	58	55	57	70	SE	1.0	0.0	58	55	57	78	NNW	2.8	0.0
13:00	61	58	59	68	SW	5.0	0.0	60	56	58	73	S	2.1	0.0	57	54	56	68	NW	3.6	0.0	59	56	57	66	SW	4.1	0.0	61	58	60	68	S	3.6	0.0	59	55	57	67	NE	0.9	0.0	58	55	57	68	ENE	3.0	0.0
14:00					SW	5.4	0.0	60	57	59	78	WSW	0.3	0.0	58	55	57	72	NW	3.3	0.0	59	56	57	68	SW	4.6	0.0					SSW	6.1	0.0	59	56	58	70	SW	1.5	0.0	58	55	56	66	ESE	1.6	0.0
15:00					SW	5.4	0.0	59	55	58	72	W	3.0	0.0	58	54	56	67	WSW	4.8	0.0					SSW	5.4	0.0					SW	6.0	0.0	59	55	58	70	S	1.1	0.0	59	56	58	70	SSW	3.0	0.0
16:00					SW	5.4	0.0	59	56	57	70	W	3.0	0.0					SW	7.9	0.0					SW	5.3	0.0					SSW	5.8	0.0	60	57	58	76	SSW	2.2	0.0	59	56	58	73	S	3.6	0.0
17:00					SW	5.2	0.0	59	55	57	71	W	3.5	0.0					SW	6.5	0.0	60	57	65	##	SSW	4.7	0.0					SSW	5.6	0.0	61	58	59	75	SSW	3.3	0.0					S	5.3	0.0
18:00	60	58	59	76	SSW	3.0	0.0	60	57	59	73	W	3.3	0.0					SSW	6.1	0.0	59	56	58	73	SSW	4.2	0.0	61	59	60	78	S	4.4	0.0	61	58	60	77	S	3.6	0.0	61	58	59	73	S	4.2	0.0
19:00	60	57	59	71	S	2.4	0.0	60	56	59	85	W	2.8	0.0	60	56	58	82	SSW	4.2	0.0	58	54	57	88	SW	5.0	0.0	61	57	59	78	S	5.0	0.0	60	56	58	72	S	2.8	0.0	60	57	59	74	SSE	2.8	0.0
20:00	58	55	57	74	SSW	2.0	0.0	58	55	57	70	SW	1.3	0.0	58	55	57	80	SSW	3.5	0.0	58	54	56	71	S	4.2	0.0	59	55	57	73	S	3.9	0.0	59	55	58	70	S	2.4	0.0	59	55	57	68	SSE	2.2	0.0
21:00	57	54	56	75	SSW	2.5	0.0	58	55	57	81	SSW	1.8	0.0	58	55	57	73	SSW	3.5	0.0	57	53	56	63	S	3.3	0.0	58	54	56	75	S	2.8	0.0	58	55	57	66	S	1.8	0.0	58	55	57	69	SE	0.8	0.0
22:00	57	52	55	66	SSE	1.1	0.0	57	54	57	82	N	0.0	0.0	57	54	56	71	SSW	3.3	0.0	57	53	55	65	S	3.6	0.0	56	52	55	65	S	2.2	0.0	57	53	55	67	S	0.8	0.0	57	53	55	69	ESE	0.6	0.0
23:00	55	50	53	74	SSW	1.7	0.0	56	52	54	64	N	0.0	0.0	56	53	55	70	SSW	1.9	0.0	55	49	53	71	S	2.8	0.0	55	48	52	65	S	2.0	0.0	54	48	52	68	SSW	0.8	0.0	56	50	53	75	N	0.0	0.0
L ₁₀ , 18hr, 6-24h								59							58																					59													
L _{eq} , 15hr, 7-22h									58							57																					58												
L _{eq} , 9hr, 22-7h									54							53																					53												
L _{eq} , 16hr, 6-22h									58							57																					58												
L _{eq} , 8hr, 22-6h									52							53																					52												
L _{max} , 24h									85							82																					77												
Adverse Weather Count	5							0							3							2							4							0							1						

Project No. 60539390

Project: NEL noise monitoring - Residential



Noise Monitoring Data Sheet

61 Kett Street, Blackburn
North

SITE ID
50

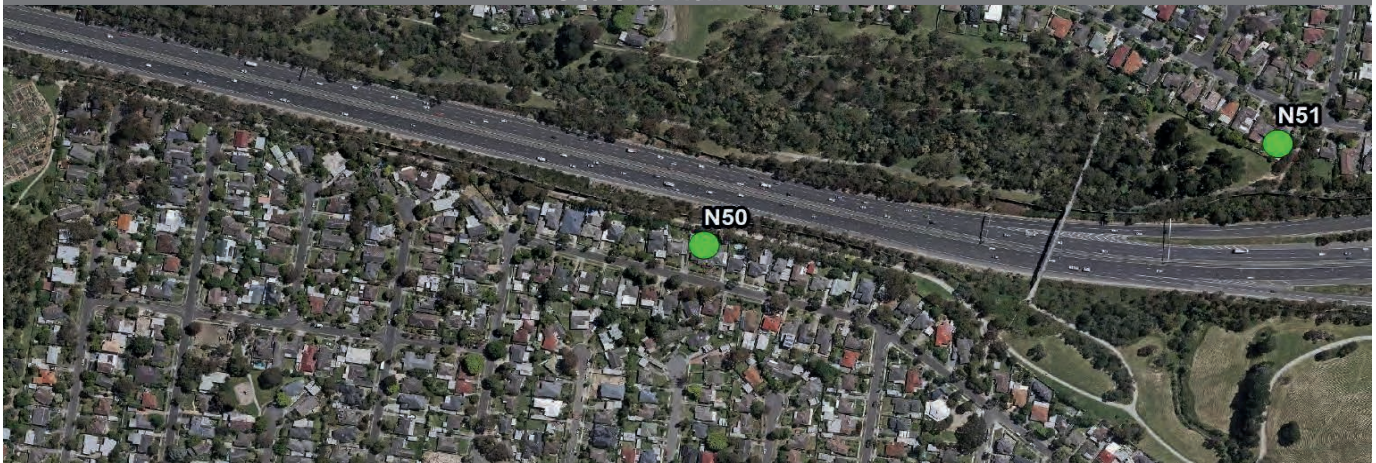
Dominant Road	Eastern Freeway	From	1/03/2018	Address	61 Kett Street
18-hr Traffic Flow	-	To	9/03/2018	Suburb	Blackburn North
Road Surface	Stone Seal	Mic. Height (m)	2.2	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145°10'8.42"E
Distance to Road (m)	45	Inst. Serial #	87815E	Latitude	37°48'13.78"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	2/03	3/03	4/03	6/03	7/03	8/03
L _{10,18hr} , Arith Av, 6-24h	58	58 dBA	58 dBA	56 dBA	58 dBA	59 dBA	59 dBA
L _{eq,15hr} , Log Av, 7-22h	57	57 dBA	58 dBA	56 dBA	57 dBA	58 dBA	58 dBA
L _{eq,16hr} , Log Av, 6-22h	57	57 dBA	57 dBA	55 dBA	57 dBA	58 dBA	58 dBA
L _{eq,8hr} , Log Av, 22-6h	52	52 dBA	53 dBA	52 dBA	51 dBA	52 dBA	53 dBA
L _{eq,9hr} , Log Av, 22-7h	53	53 dBA	53 dBA	52 dBA	52 dBA	53 dBA	54 dBA

Site Zoom



Site Overview

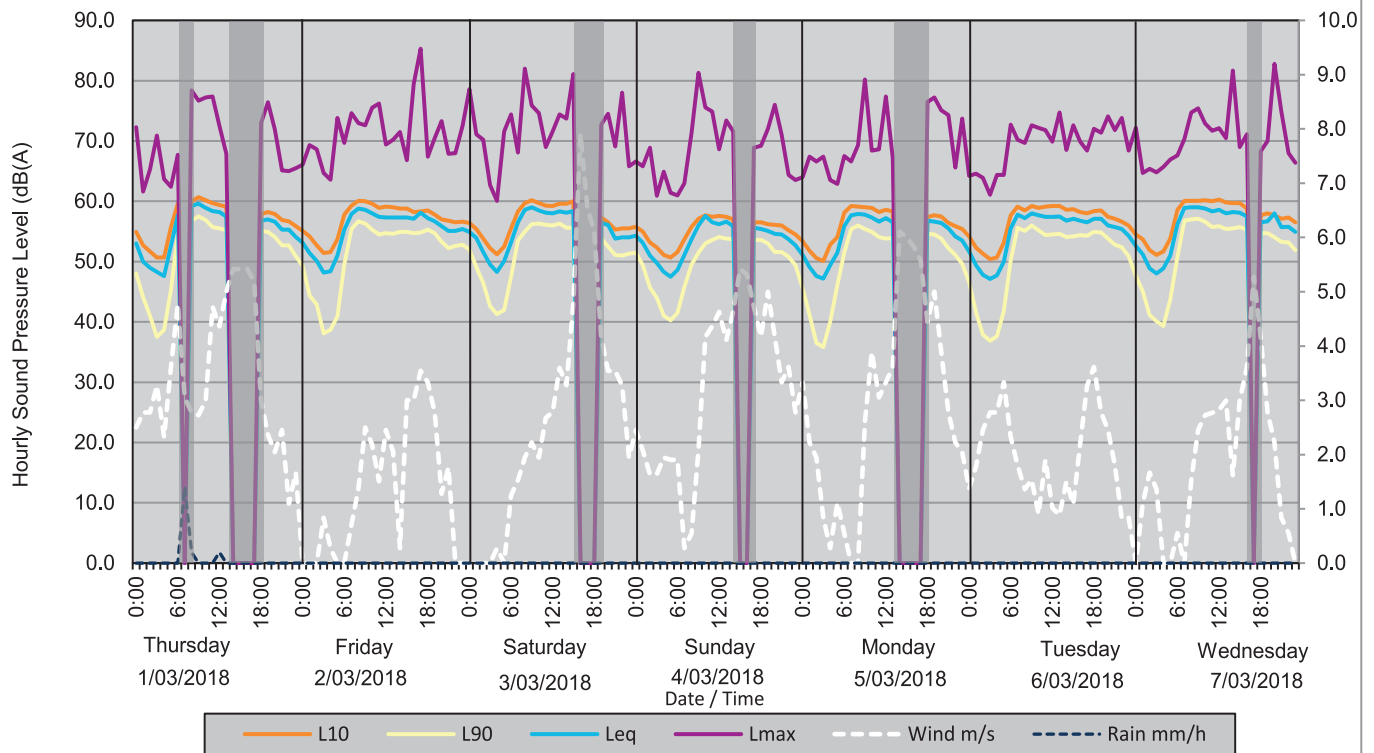


Project No. 60539390

Project: NEL noise monitoring - Residential



Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Thursday 01/03/2018							Friday 02/03/2018							Saturday 03/03/2018							Sunday 04/03/2018							Monday 05/03/2018							Tuesday 06/03/2018							Wednesday 07/03/2018						
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h							
0:00	55	48	53	72	WSW	2.5	0.0	55	49	53	66	N	0.0	0.0	56	52	55	79	N	0.0	0.0	56	52	54	67	W	2.5	0.0	53	46	51	64	S	3.3	0.0	54	47	52	64	SSE	1.4	0.0	55	48	53	72	N	0.0	0.0
1:00	53	44	50	62	W	2.8	0.0	54	44	51	69	N	0.0	0.0	55	49	54	71	N	0.0	0.0	55	49	53	66	W	2.1	0.0	52	41	49	67	S	2.2	0.0	52	42	49	65	SSE	1.8	0.0	54	45	51	65	SW	1.1	0.0
2:00	52	41	49	65	W	2.8	0.0	53	43	50	69	N	0.0	0.0	54	47	52	70	N	0.0	0.0	53	46	51	69	W	1.6	0.0	51	37	48	67	S	1.9	0.0	51	38	48	64	S	2.4	0.0	52	41	49	65	N	1.7	0.0
3:00	51	38	48	71	WSW	3.3	0.0	51	38	48	65	SE	0.8	0.0	52	43	50	63	N	0.0	0.0	52	44	50	61	W	1.6	0.0	50	36	47	67	S	0.8	0.0	50	37	47	61	S	2.8	0.0	51	40	48	65	NNE	1.4	0.0
4:00	51	39	48	64	WSW	2.3	0.0	52	39	48	64	SE	0.3	0.0	51	41	48	60	NNE	0.3	0.0	51	41	48	65	W	1.9	0.0	53	40	49	64	SE	0.3	0.0	51	38	48	64	S	2.8	0.0	52	39	49	66	N	0.0	0.0
5:00	56	45	53	62	SW	3.6	0.0	54	41	51	74	N	0.0	0.0	53	42	50	72	N	0.0	0.0	51	40	48	61	W	1.9	0.0	54	46	52	63	SE	1.1	0.0	53	42	50	64	SSW	3.3	0.0	54	44	51	67	N	0.0	0.0
6:00	60	55	58	68	SSW	4.8	0.0	58	50	55	70	N	0.0	0.0	56	48	53	74	ENE	1.3	0.0	52	42	49	61	SW	1.9	0.0	58	52	56	68	SE	0.6	0.0	58	50	56	73	SSW	2.3	0.0	59	51	56	68	NE	0.6	0.0
7:00					SSW	3.1	1.4	59	55	58	75	S	0.7	0.0	58	54	57	68	ENE	1.5	0.0	54	46	51	63	SSW	0.3	0.0	59	55	58	67	N	0.0	0.0	59	56	58	70	SW	1.8	0.0	60	57	59	70	N	0.0	0.0
8:00	60	57	59	78	SSW	2.8	0.2	60	57	59	73	SSE	1.4	0.0	60	55	59	82	ENE	1.9	0.0	56	50	54	71	S	0.5	0.0	59	56	58	69	N	0.0	0.0	59	55	57	70	S	1.4	0.0	60	57	59	75	ENE	1.5	0.0
9:00	61	58	60	77	S	2.7	0.0	60	56	59	73	S	2.5	0.0	60	56	59	76	E	2.2	0.0	57	52	56	81	WSW	2.1	0.0	59	55	58	80	SSE	2.6	0.0	59	56	58	73	SSW	1.5	0.0	60	57	59	75	ESE	2.4	0.0
10:00	60	57	59	77	S	3.0	0.0	60	55	58	76	SW	2.2	0.0	60	56	59	75	ENE	1.9	0.0	58	53	58	76	WSW	4.2	0.0	59	55	57	68	S	3.9	0.0	59	55	58	72	ESE	0.9	0.0	60	57	59	73	E	2.7	0.0
11:00	60	56	58	77	SSW	4.7	0.0	59	55	57	76	ESE	1.5	0.0	59	56	58	69	N	2.7	0.0	57	54	57	75	SW	4.4	0.0	58	54	57	69	S	3.1	0.0	59	54	57	72	SSE	1.9	0.0	60	56	58	72	NNE	2.8	0.0
12:00	59	56	58	73	SSW	4.4	0.2	59	55	57	69	S	2.4	0.0	59	56	58	72	N	2.8	0.0	58	54	56	69	SW	4.6	0.0	59	54	57	77	SSE	3.3	0.0	59	55	57	70	SE	1.0	0.0	60	56	59	72	NNW	2.8	0.0
13:00	59	55	58	68	SW	5.0	0.0	59	55	57	70	S	2.1	0.0	60	56	58	74	NW	3.6	0.0	57	54	57	73	SW	4.1	0.0	58	54	57	67	S	3.6	0.0	59	55	58	75	NE	0.9	0.0	60	55	58	71	ENE	3.0	0.0
14:00					SW	5.4	0.0	59	55	57	72	WSW	0.3	0.0	60	56	58	74	NW	3.3	0.0	57	54	56	72	SW	4.6	0.0					SSW	6.1	0.0	59	54	57	69	SW	1.5	0.0	60	56	58	82	ESE	1.6	0.0
15:00					SW	5.4	0.0	59	55	57	67	W	3.0	0.0	60	56	58	81	WSW	4.8	0.0					SSW	5.4	0.0					SW	6.0	0.0	59	54	57	73	S	1.1	0.0	60	56	58	69	SSW	3.0	0.0
16:00					SW	5.4	0.0	58	55	57	80	W	3.0	0.0					SW	7.9	0.0					SW	5.3	0.0					SSW	5.8	0.0	58	54	57	70	SSW	2.2	0.0	59	55	58	71	S	3.6	0.0
17:00					SW	5.2	0.0	58	55	58	85	W	3.5	0.0					SW	6.5	0.0	57	54	56	69	SSW	4.7	0.0					SSW	5.6	0.0	58	54	57	68	SSW	3.3	0.0					S	5.3	0.0
18:00	58	55	57	73	SSW	3.0	0.0	59	55	57	67	W	3.3	0.0					SSW	6.1	0.0	57	54	55	69	SSW	4.2	0.0	57	55	57	77	S	4.4	0.0	58	55	57	72	S	3.6	0.0	58	55	57	68	S	4.2	0.0
19:00	58	55	57	76	S	2.4	0.0	58	55	57	71	W	2.8	0.0	57	54	56	73	SSW	4.2	0.0	56	53	55	72	SW	5.0	0.0	58	55	57	77	S	5.0	0.0	59	55	57	71	S	2.8	0.0	58	55	57	70	SSE	2.8	0.0
20:00	58	54	57	72	SSW	2.0	0.0	57	53	56	73	SW	1.3	0.0	57	53	56	75	SSW	3.5	0.0	56	52	55	76	S	4.2	0.0	58	54	56	75	S	3.9	0.0	57	54	56	74	S	2.4	0.0	58	54	58	83	SSE	2.2	0.0
21:00	57	53	55	65	SSW	2.5	0.0	57	52	55	68	SSW	1.8	0.0	55	51	54	69	SSW	3.5	0.0	56	52	55	71	S	3.3	0.0	56	52	56	74	S	2.8	0.0	57	53	56	72	S	1.8	0.0	57	53	56	75	SE	0.8	0.0
22:00	57	53	55	65	SSE	1.1	0.0	57	53	55	68	N	0.0	0.0	56	51	54	78	SSW	3.3	0.0	55	51	54	64	S	3.6	0.0	56	51	54	66	S	2.2	0.0	57	52	55	74	S	0.8	0.0	57	53	56	68	ESE	0.6	0.0
23:00	56	51	54	66	SSW	1.7	0.0	57	53	55	73	N	0.0	0.0	56	51	54	66	SSW	1.9	0.0	55	49	53	64	S	2.8	0.0	55	50	54	74	S	2.0	0.0	56	51	54	68	SSW	0.8	0.0	57	52	55	66	N	0.0	0.0
L ₁₀ , 18hr, 6-24h								58							58																					58													
L _{eq} , 15hr, 7-22h										57								58																						57									
L _{eq} , 9hr, 22-7h										53								53																															
L _{eq} , 16hr, 6-22h										57								57																															
L _{eq} , 8hr, 22-6h										52								53																															
L _{max} , 24h											85								82																														
Adverse Weather Count	5							0							3							2							4							0							1						

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Noise Monitoring Data Sheet

60 Darvall St, Donvale

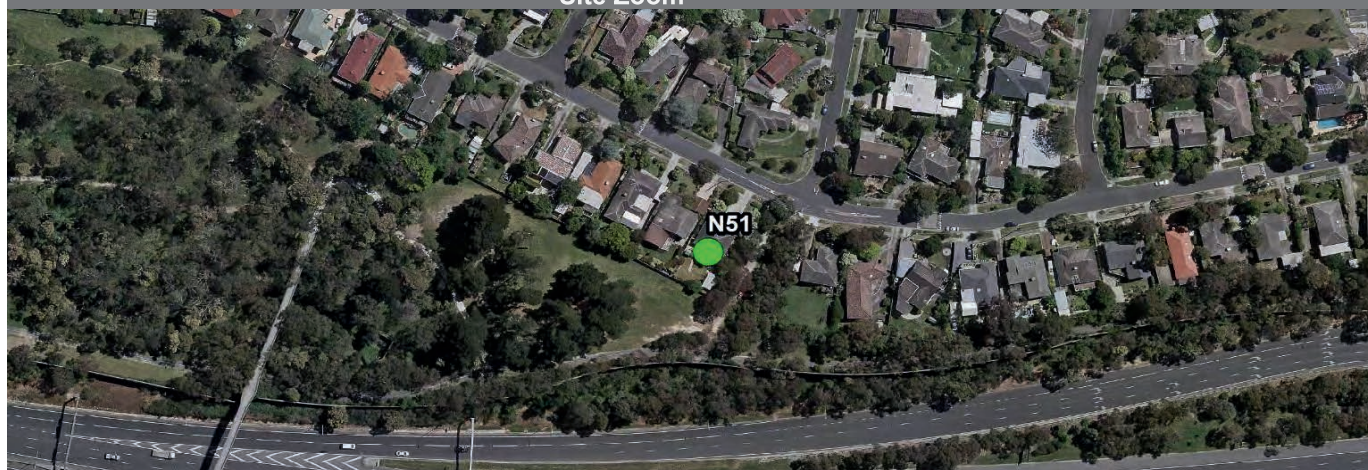
SITE ID

51

Dominant Road	Eastern Freeway	From	1/03/2018	Address	60 Darvall St
18-hr Traffic Flow	-	To	9/03/2018	Suburb	Donvale
Road Surface	Stone Seal	Mic. Height (m)	1.5	State	Victoria
Posted Speed (km/h)	100	Meas. Type	Façade	Longitude	145°10'27.36"E
Distance to Road (m)	70	Inst. Serial #	15-299-453	Latitude	37°48'11.21"S
% of H.V.	-	Operator	JC	BOM Station	Viewbank
Pre Calibration	94.0	Post Calibration	94.0	Sample Int.(min)	60

Date	Avg	2/03	3/03	4/03	6/03	8/03
L _{10,18hr} , Arith Av, 6-24h	56	56 dBA	56 dBA	55 dBA	56 dBA	55 dBA
L _{eq,15hr} , Log Av, 7-22h	55	55 dBA	55 dBA	55 dBA	55 dBA	55 dBA
L _{eq,16hr} , Log Av, 6-22h	55	55 dBA	54 dBA	54 dBA	55 dBA	54 dBA
L _{eq,8hr} , Log Av, 22-6h	51	50 dBA	50 dBA	55 dBA	50 dBA	49 dBA
L _{eq,9hr} , Log Av, 22-7h	52	50 dBA	49 dBA	55 dBA	51 dBA	50 dBA

Site Zoom



Site Overview

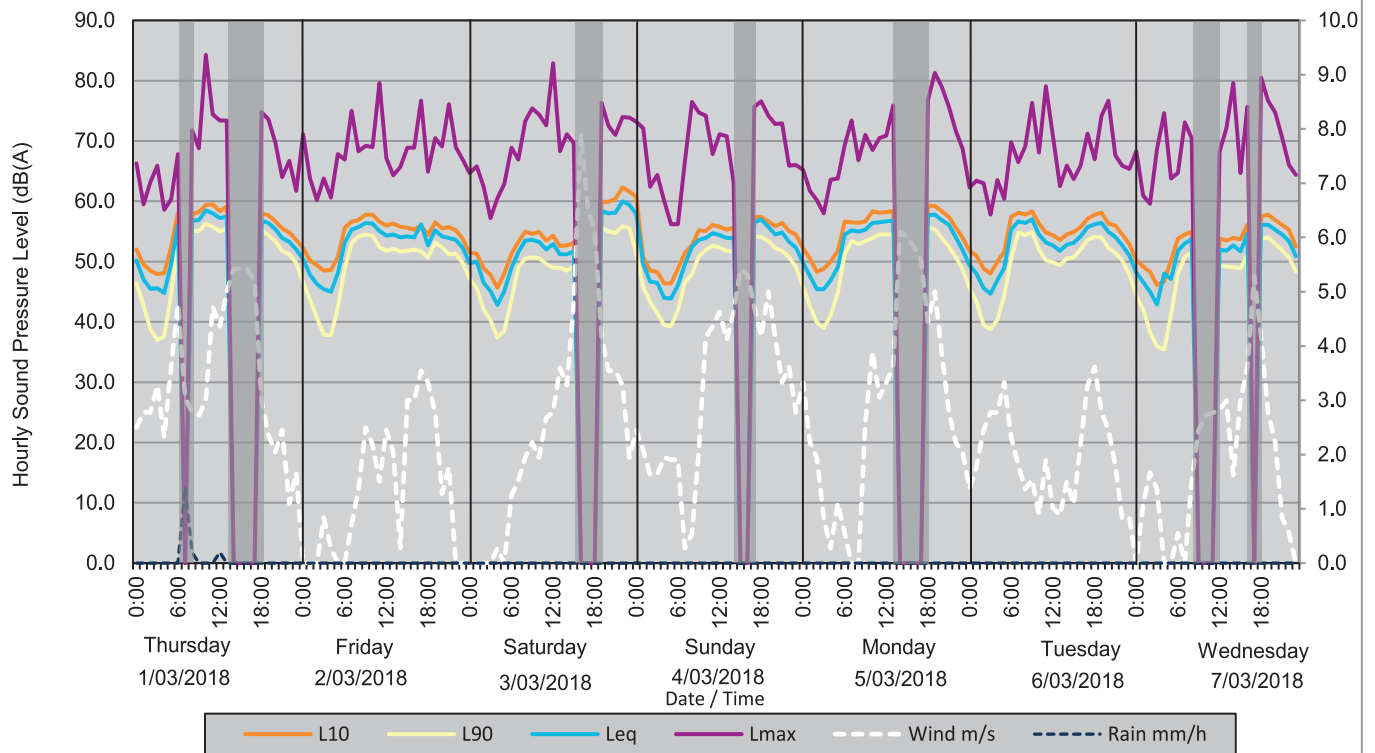


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Site Noise and Weather Graphical Analysis



Site Photograph



Hourly Measurement Results - Sound Pressure Levels, dB(A)

Start Time	Thursday 01/03/2018							Friday 02/03/2018							Saturday 03/03/2018							Sunday 04/03/2018							Monday 05/03/2018							Tuesday 06/03/2018							Wednesday 07/03/2018								
	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h	L ₁₀	L ₉₀	L _{eq}	L _{max}	Wind Dir	Wind m/s	Rain mm/h									
0:00	52	46	50	66	WSW	2.5	0.0	52	47	50	71	N	0.0	0.0	52	47	50	65	N	0.0	0.0	61	51	58	73	W	2.5	0.0	52	46	50	65	S	3.3	0.0	52	46	49	62	SSE	1.4	0.0	50	44	48	68	N	0.0	0.0		
1:00	50	43	47	60	W	2.8	0.0	50	44	48	64	N	0.0	0.0	51	46	50	66	N	0.0	0.0	51	46	50	72	W	2.1	0.0	51	43	48	62	S	2.2	0.0	51	43	48	63	SSE	1.8	0.0	49	42	47	61	SW	1.1	0.0		
2:00	49	39	46	63	W	2.8	0.0	49	41	46	60	N	0.0	0.0	49	42	47	62	N	0.0	0.0	49	43	47	62	W	1.6	0.0	48	40	45	60	S	1.9	0.0	49	40	46	63	S	2.4	0.0	48	38	45	60	N	1.7	0.0		
3:00	48	37	46	66	WSW	3.3	0.0	49	38	45	64	SE	0.8	0.0	48	40	45	57	N	0.0	0.0	48	42	47	64	W	1.6	0.0	49	39	45	58	S	0.8	0.0	48	39	45	58	S	2.8	0.0	46	36	43	69	NNE	1.4	0.0		
4:00	48	38	45	59	WSW	2.3	0.0	49	38	45	61	SE	0.3	0.0	46	37	43	61	NNE	0.3	0.0	46	40	44	60	W	1.9	0.0	50	41	47	64	SE	0.3	0.0	50	40	47	64	S	2.8	0.0	47	35	48	75	N	0.0	0.0		
5:00	52	45	50	60	SW	3.6	0.0	51	42	48	68	N	0.0	0.0	48	39	45	63	N	0.0	0.0	46	39	44	56	W	1.9	0.0	52	45	49	64	SE	1.1	0.0	52	44	49	60	SSW	3.3	0.0	50	41	47	64	N	0.0	0.0		
6:00	58	53	56	68	SSW	4.8	0.0	56	49	53	67	N	0.0	0.0	51	44	49	69	ENE	1.3	0.0	49	42	46	56	SW	1.9	0.0	57	51	55	69	SE	0.6	0.0	57	51	55	70	SSW	2.3	0.0	54	48	52	65	NE	0.6	0.0		
7:00					SSW	3.1	1.4	57	53	55	75	S	0.7	0.0	53	49	52	67	ENE	1.5	0.0	51	47	50	67	SSW	0.3	0.0	57	53	55	73	N	0.0	0.0	58	55	57	67	SW	1.8	0.0	55	51	53	73	N	0.0	0.0		
8:00	58	55	57	72	SSW	2.8	0.2	57	54	56	68	SSE	1.4	0.0	55	51	54	73	ENE	1.9	0.0	53	48	53	77	S	0.5	0.0	56	53	55	67	N	0.0	0.0	58	54	56	69	S	1.4	0.0	55	52	54	71	ENE	1.5	0.0		
9:00	58	55	57	69	S	2.7	0.0	58	55	56	69	S	2.5	0.0	55	51	54	75	E	2.2	0.0	55	51	54	75	WSW	2.1	0.0	57	53	55	71	SSE	2.6	0.0	58	55	57	76	SSW	1.5	0.0					ESE	2.4	0.0		
10:00	59	56	59	84	S	3.0	0.0	58	54	56	69	SW	2.2	0.0	55	51	53	74	ENE	1.9	0.0	55	52	54	74	WSW	4.2	0.0	58	54	56	69	S	3.9	0.0	56	52	55	68	ESE	0.9	0.0					E	2.7	0.0		
11:00	60	56	58	74	SSW	4.7	0.0	57	52	55	80	ESE	1.5	0.0	54	50	52	73	N	2.7	0.0	56	53	55	68	SW	4.4	0.0	58	55	57	71	S	3.1	0.0	55	50	53	79	SSE	1.9	0.0					NNE	2.8	0.0		
12:00	58	55	57	73	SSW	4.4	0.2	56	52	54	67	S	2.4	0.0	54	49	53	83	N	2.8	0.0	56	52	54	71	SW	4.6	0.0	58	55	57	71	SSE	3.3	0.0	54	50	53	71	SE	1.0	0.0	54	49	52	68	NNW	2.8	0.0		
13:00	59	56	58	73	SW	5.0	0.0	56	52	55	64	S	2.1	0.0	53	49	51	68	NW	3.6	0.0	55	52	54	71	SW	4.1	0.0	58	54	57	76	S	3.6	0.0	54	49	52	63	NE	0.9	0.0	54	49	52	72	ENE	3.0	0.0		
14:00					SW	5.4	0.0	56	52	54	66	WSW	0.3	0.0	53	49	51	71	NW	3.3	0.0	56	52	54	63	SW	4.6	0.0					SSW	6.1	0.0	55	51	53	66	SW	1.5	0.0	54	49	53	80	ESE	1.6	0.0		
15:00					SW	5.4	0.0	56	52	54	69	W	3.0	0.0	53	49	52	70	WSW	4.8	0.0					SSW	5.4	0.0					SW	6.0	0.0	55	51	53	64	S	1.1	0.0	54	49	52	65	SSW	3.0	0.0		
16:00					SW	5.4	0.0	55	52	54	69	W	3.0	0.0					SW	7.9	0.0					SW	5.3	0.0					SSW	5.8	0.0	56	52	54	66	SSW	2.2	0.0	56	51	55	76	S	3.6	0.0		
17:00					SW	5.2	0.0	56	52	56	77	W	3.5	0.0					SW	6.5	0.0	57	54	57	76	SSW	4.7	0.0					SSW	5.6	0.0	57	54	56	71	SSW	3.3	0.0					S	5.3	0.0		
18:00	58	55	57	75	SSW	3.0	0.0	54	51	53	65	W	3.3	0.0					SSW	6.1	0.0	57	54	57	77	SSW	4.2	0.0	59	56	58	77	S	4.4	0.0	58	54	56	67	S	3.6	0.0	58	54	56	81	S	4.2	0.0		
19:00	58	54	56	74	S	2.4	0.0	57	53	55	71	W	2.8	0.0	60	56	58	76	SSW	4.2	0.0	57	53	56	74	SW	5.0	0.0	59	55	58	81	S	5.0	0.0	58	54	56	74	S	2.8	0.0	58	54	56	77	SSE	2.8	0.0		
20:00	57	53	55	70	SSW	2.0	0.0	56	52	54	69	SW	1.3	0.0	60	55	58	73	SSW	3.5	0.0	56	52	55	73	S	4.2	0.0	58	54	57	79	S	3.9	0.0	56	52	55	77	S	2.4	0.0	57	53	55	75	SSE	2.2	0.0		
21:00	56	52	54	64	SSW	2.5	0.0	56	51	54	76	SSW	1.8	0.0	60	55	58	71	SSW	3.5	0.0	56	52	55	73	S	3.3	0.0	57	53	56	76	S	2.8	0.0	56	52	54	68	S	1.8	0.0	56	52	55	71	SE	0.8	0.0		
22:00	55	51	53	67	SSE	1.1	0.0	55	51	54	69	N	0.0	0.0	62	56	60	74	SSW	3.3	0.0	55	51	53	66	S	3.6	0.0	56	51	54	72	S	2.2	0.0	55	50	53	66	S	0.8	0.0	55	51	53	66	ESE	0.6	0.0		
23:00	54	50	52	62	SSW	1.7	0.0	54	50	52	67	N	0.0	0.0	62	56	59	74	SSW	1.9	0.0	55	49	52	66	S	2.8	0.0	54	49	52	69	S	2.0	0.0	53	48	51	65	SSW	0.8	0.0	53	48	51	64	N	0.0	0.0		
L ₁₀ , 18hr, 6-24h								56							56																					56															
L _{eq} , 15hr, 7-22h									55								55																				55														
L _{eq} , 9hr, 22-7h									50								49																				51														
L _{eq} , 16hr, 6-22h									55								54																				55														
L _{eq} , 8hr, 22-6h									50								50																				50														
L _{max} , 24h									80								83																				79														
Adverse Weather Count	5							0							3							2							4							0							4								

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