

Appendix E

Traffic figures

Appendix E Traffic figures

Road Section	Daytime			Night-time			AADT	
	Light Vehicles	Heavy Vehicles	HV %	Light Vehicles	Heavy Vehicles	HV %	Total	HV%
Year 2013 Existing – Northbound / Eastbound								
M1 North of Pacific Highway	30278	2816	9%	3083	946	23%	37123	10%
PHR south of Pacific Highway	10463	732	7%	1453	146	9%	12794	7%
PHR north of Pacific Highway	14597	783	5%	1858	136	7%	17374	5%
M2 west of Pennant Hills Road	29146	3574	11%	5090	1246	20%	39056	12%
M2 east of Pennant Hills Road	25564	2096	8%	4814	638	12%	33112	8%
PHR north of M2	29332	3706	11%	4490	1096	20%	38623	12%
PHR south of M2	17674	1423	7%	2988	433	13%	22518	8%
Year 2013 Existing – Southbound / Westbound								
M1 North of Pacific Highway	27845	2629	9%	5770	1057	15%	37301	10%
PHR south of Pacific Highway	10801	760	7%	1354	94	6%	13009	7%
PHR north of Pacific Highway	15231	876	5%	2024	144	7%	18275	6%
M2 west of Pennant Hills Road	31960	4225	12%	3700	679	16%	40564	12%
M2 east of Pennant Hills Road	28714	2745	9%	3562	234	6%	35255	8%
PHR north of M2	28921	3531	11%	5244	1132	18%	38828	12%
PHR south of M2	18408	1606	8%	3319	536	14%	23869	9%
Year 2029 No Build – Northbound / Eastbound								
M1 North of Pacific Highway	37,782	4,162	10%	6,151	1,539	20%	49,634	11%
PHR south of Pacific Highway	12,658	958	7%	2,061	355	15%	16,032	8%
PHR north of Pacific Highway	17,566	1,016	5%	2,860	376	12%	21,818	6%

M2 west of Pennant Hills Road	41,806	5,089	11%	6,806	1,882	22%	55,583	13%
M2 east of Pennant Hills Road	38,180	3,607	9%	5,669	1,334	19%	48,790	10%
PHR north of M2	33,451	5,220	13%	5,446	1,930	26%	46,047	16%
PHR south of M2	25,097	2,344	9%	4,016	867	18%	32,324	10%

Year 2029 No Build – Southbound / Westbound

M1 North of Pacific Highway	38,832	5,044	11%	6,332	1,866	23%	52,074	13%
PHR south of Pacific Highway	14,000	1,300	8%	2,279	481	17%	16,060	10%
PHR north of Pacific Highway	17,769	1,239	7%	2,893	458	14%	22,359	8%
M2 west of Pennant Hills Road	38,928	5,567	13%	6,337	2,059	25%	52,891	14%
M2 east of Pennant Hills Road	36,301	4,521	11%	5,909	1,673	22%	48,404	13%
PHR north of M2	36,356	5,245	13%	5,919	1,940	25%	49,460	15%
PHR south of M2	29,889	2,919	9%	4,866	1,080	18%	38,754	10%

Year 2029 Build – Northbound / Eastbound

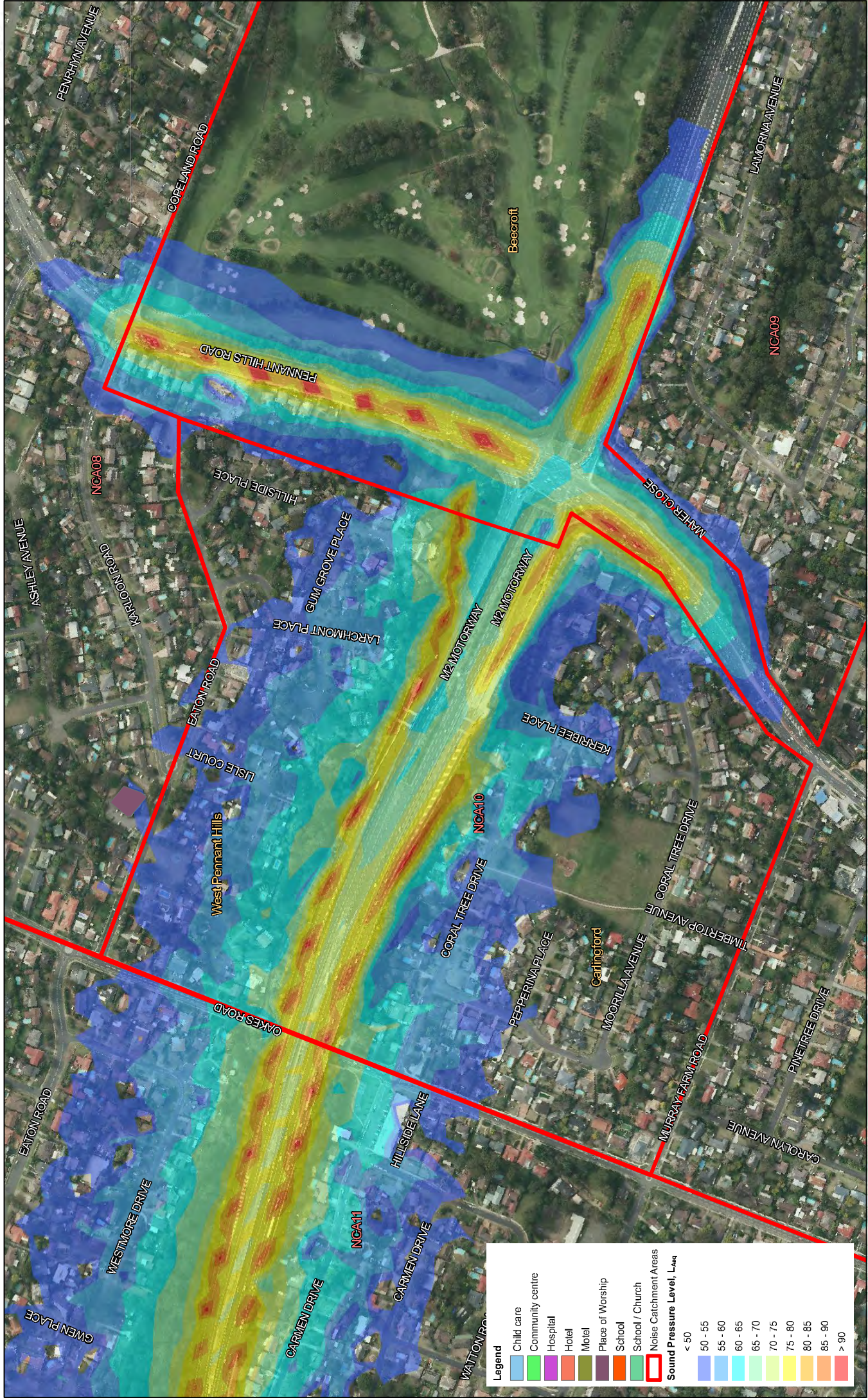
M1 North of Edgeworth David	45293	5615	11%	7454	2076	22%	60438	13%
M1 North of Pacific Highway	36388	2523	6%	6004	933	13%	45848	8%
M1 North of Southern Portals	15672	1104	7%	2551	409	14%	19736	8%
M1 East of PHR	19071	1367	7%	3104	506	14%	24048	8%
NorthConnex Northern Portals	8905	3092	26%	1450	1143	44%	14590	29%
NorthConnex Southern Portals	3399	263	7%	553	97	15%	4312	8%
M2 west of Pennant Hills Road	52429	4698	8%	8535	1738	17%	67400	10%
M2 east of Pennant Hills Road	41848	2216	5%	6812	820	11%	51696	6%
PHR north of M2	34615	3859	10%	5635	1427	20%	45536	12%

PHR south of M2	25953	2288	8%	4225	846	17%	33313	9%
Year 2029 Build – Southbound / Westbound								
M1 North of Edgeworth David	41861	5391	11%	6814	1993	23%	56059	13%
M1 North of Pacific Highway	32410	2024	6%	5275	747	12%	40456	7%
M1 North of Southern Portals	14167	728	5%	2306	269	10%	17470	6%
M1 East of PHR	18060	1175	6%	2940	435	13%	22610	7%
NorthConnex Northern Portals	9451	3367	26%	1539	1246	45%	15603	30%
NorthConnex Southern Portals	3893	447	10%	634	166	21%	5140	12%
M2 west of Pennant Hills Road	50437	4129	8%	8211	1527	16%	64304	9%
M2 east of Pennant Hills Road	42615	2217	5%	6937	820	11%	52590	6%
PHR north of M2	37541	4585	11%	6111	1696	22%	49933	13%
PHR south of M2	31164	3037	9%	5073	1123	18%	40398	10%

Appendix F

Construction Airborne Noise L_{Aeq} Maps

Appendix F Construction Airborne Noise L_{Aeq} Maps



Legend

- Child care
- Community centre
- Hospital
- Hotel
- Motel
- Places of Worship
- School
- School / Church
- Noise Catchment Areas

Sound Pressure Level, L_{Aeq}

< 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75

75 - 80

80 - 85

85 - 90

> 90

Time	Descriptor	NCA01	NCA02	NCA03	NCA04	NCA05	NCA06	NCA07	NCA08	NCA09	NCA10	NCA11	NCA12	NCA13	NCA14	NCA15
Day	Background	56	56	53	51	41	47	41	44	48	44	51	39	49	53	53
	NM	66	66	63	61	57	57	61	54	58	54	61	49	59	63	63
Evening	Background	52	54	50	47	40	47	38	46	48	40	46	39	44	47	48
	NM	57	59	55	52	45	52	43	51	53	45	51	44	49	52	53
Night	Background	45	43	41	41	35	39	30	39	44	35	37	33	33	35	38
	NM	50	48	46	46	40	44	35	44	49	41	42	38	38	40	43

NorthConnex

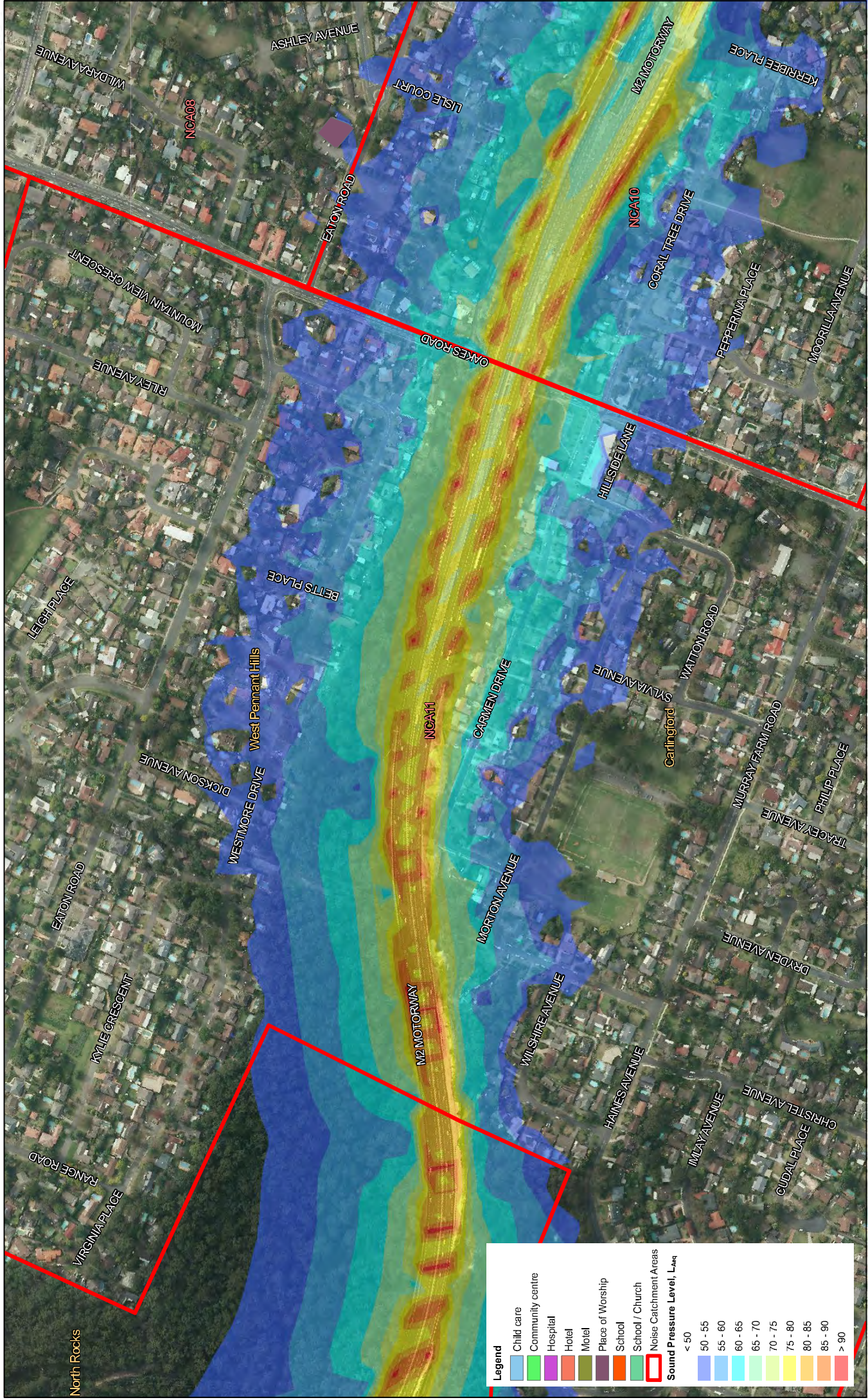
Traffic Management - M2 Tie-In

0 50 100 200 m

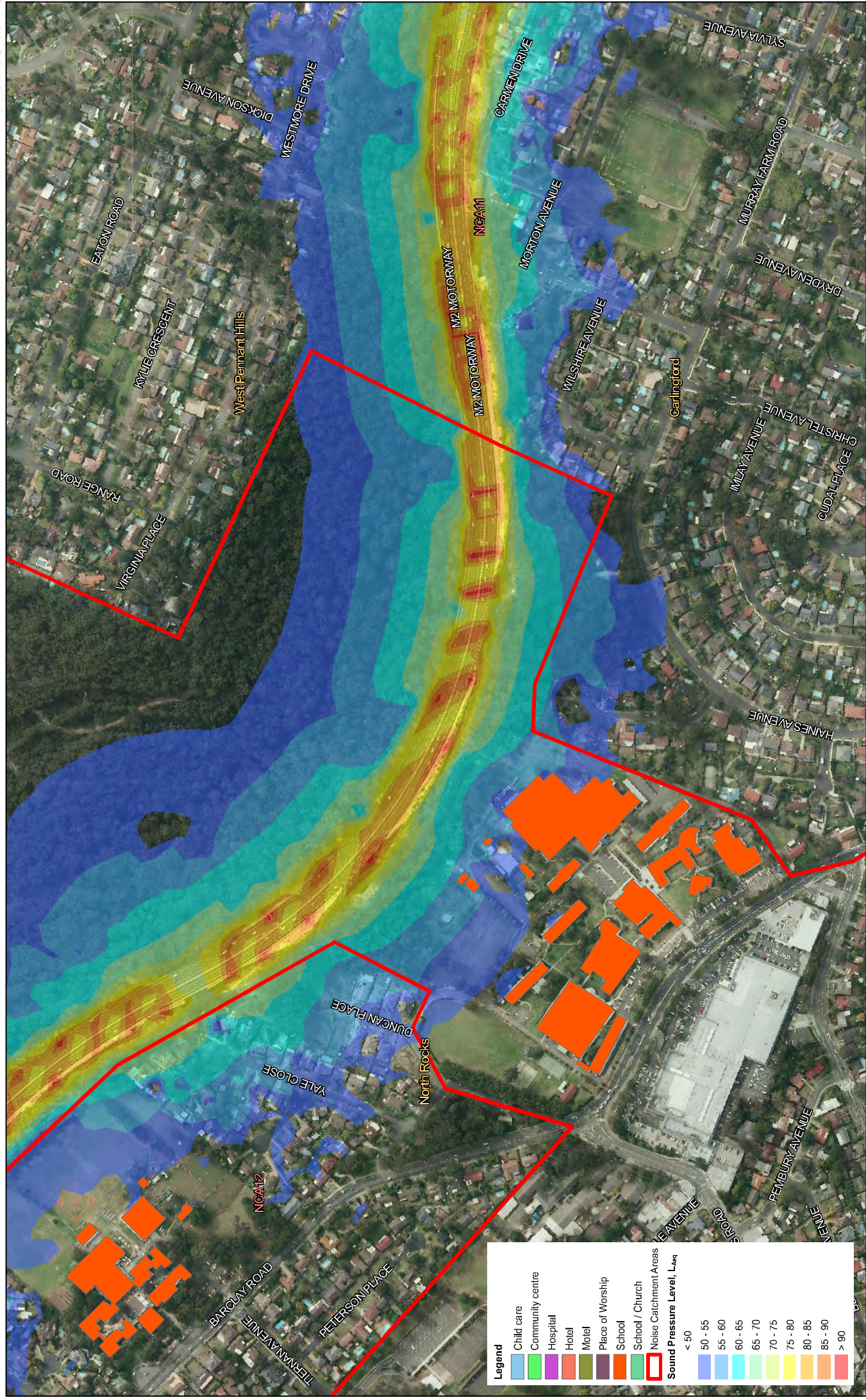
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Time		Sound Pressure Level L ₉₀ dB(A)															NorthConnex	
		NCA01	NCA02	NCA03	NCA04	NCA05	NCA06	NCA07	NCA08	NCA09	NCA10	NCA11	NCA12	NCA13	NCA14	NCA15	Traffic Management - M2 Tie-In	
Day	Background	56	56	53	51	41	47	41	44	48	44	51	39	49	53	53	NorthConnex	60300684
	NM	66	66	63	61	51	57	61	54	58	54	61	49	59	63	63		
Evening	Background	52	54	50	47	40	47	38	46	48	40	46	39	44	47	48		
	NM	59	59	55	52	45	52	43	51	53	45	51	44	49	52	53		
Night	Background	45	43	41	41	35	39	30	39	44	36	37	33	33	35	38	NorthConnex	60300684
	NM	50	48	46	46	40	44	35	44	49	41	42	38	38	40	43		



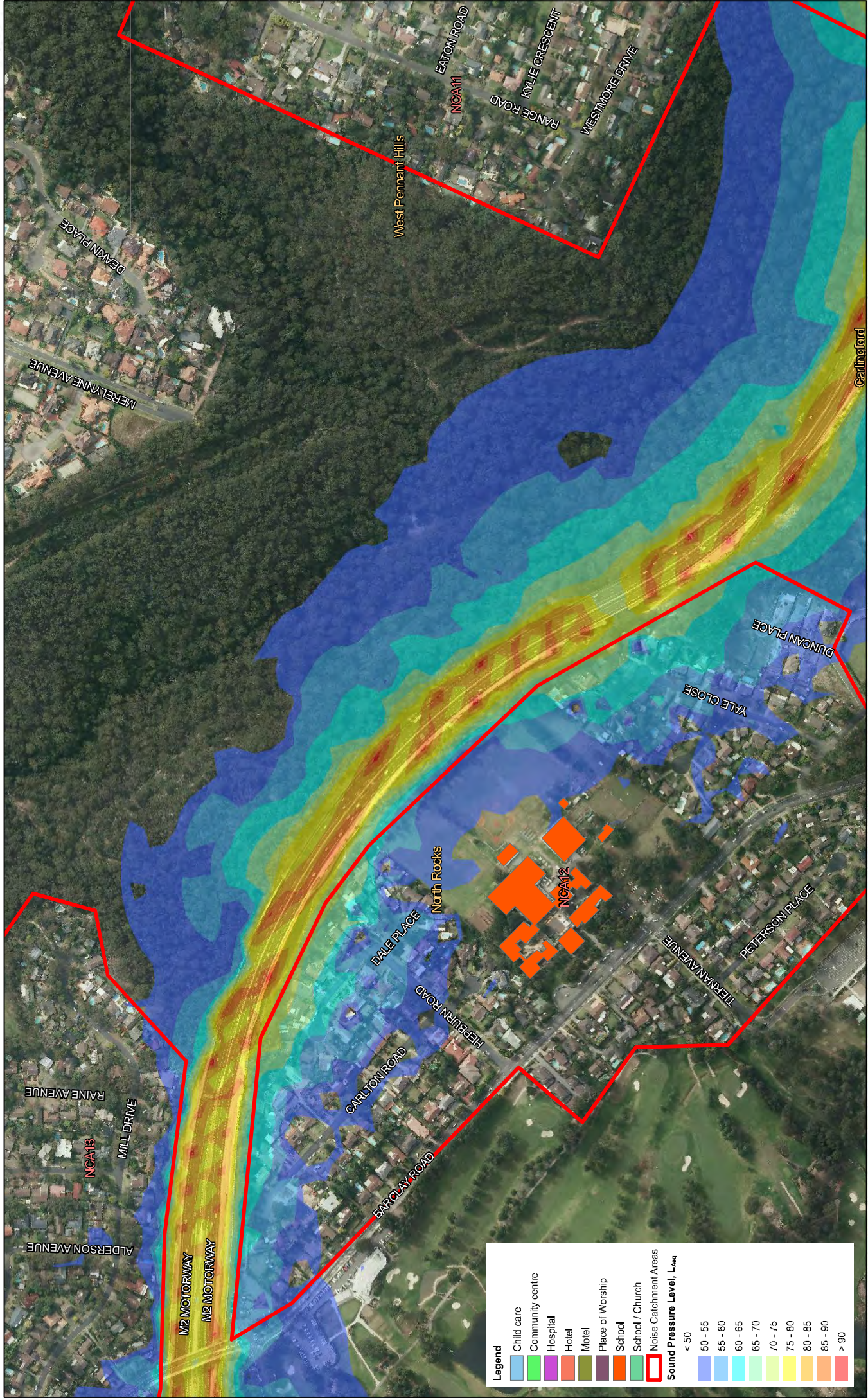
Legend

- Child care
- Community centre
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- < 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 - 90
- > 90

Time	Descriptor	NCA01	NCA02	NCA03	NCA04	NCA05	NCA06	NCA07	NCA08	NCA09	NCA10	NCA11	NCA12	NCA13	NCA14	NCA15
Day	Background	56	56	53	51	41	47	41	44	48	44	51	39	49	53	53
	NM	66	66	63	61	51	57	61	54	58	54	61	49	59	63	63
Evening	Background	52	54	50	47	40	47	43	38	46	40	46	39	44	47	48
	NM	57	59	55	52	45	52	43	51	53	45	51	44	49	52	53
Night	Background	43	41	41	41	35	39	30	39	44	36	37	33	33	35	38
	NM	50	48	46	46	40	44	35	44	49	41	42	38	38	40	43



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Time	Description	NCA01	NCA02	NCA03	NCA04	NCA05	NCA06	NCA07	NCA08	NCA09	NCA10	NCA11	NCA12	NCA13	NCA14	NCA15
Day	Background	56	56	53	51	41	47	41	44	48	44	39	39	49	53	53
	NM	66	66	63	61	51	57	61	54	58	54	61	49	59	63	63
Evening	Background	52	54	50	47	40	47	38	46	48	40	46	39	44	47	48
	NM	57	59	55	52	45	52	43	51	53	45	51	44	49	52	53
Night	Background	45	43	41	41	35	39	30	39	44	36	37	33	33	35	38
	NM	50	48	46	46	40	44	35	44	49	41	42	38	38	40	43

NorthConnex

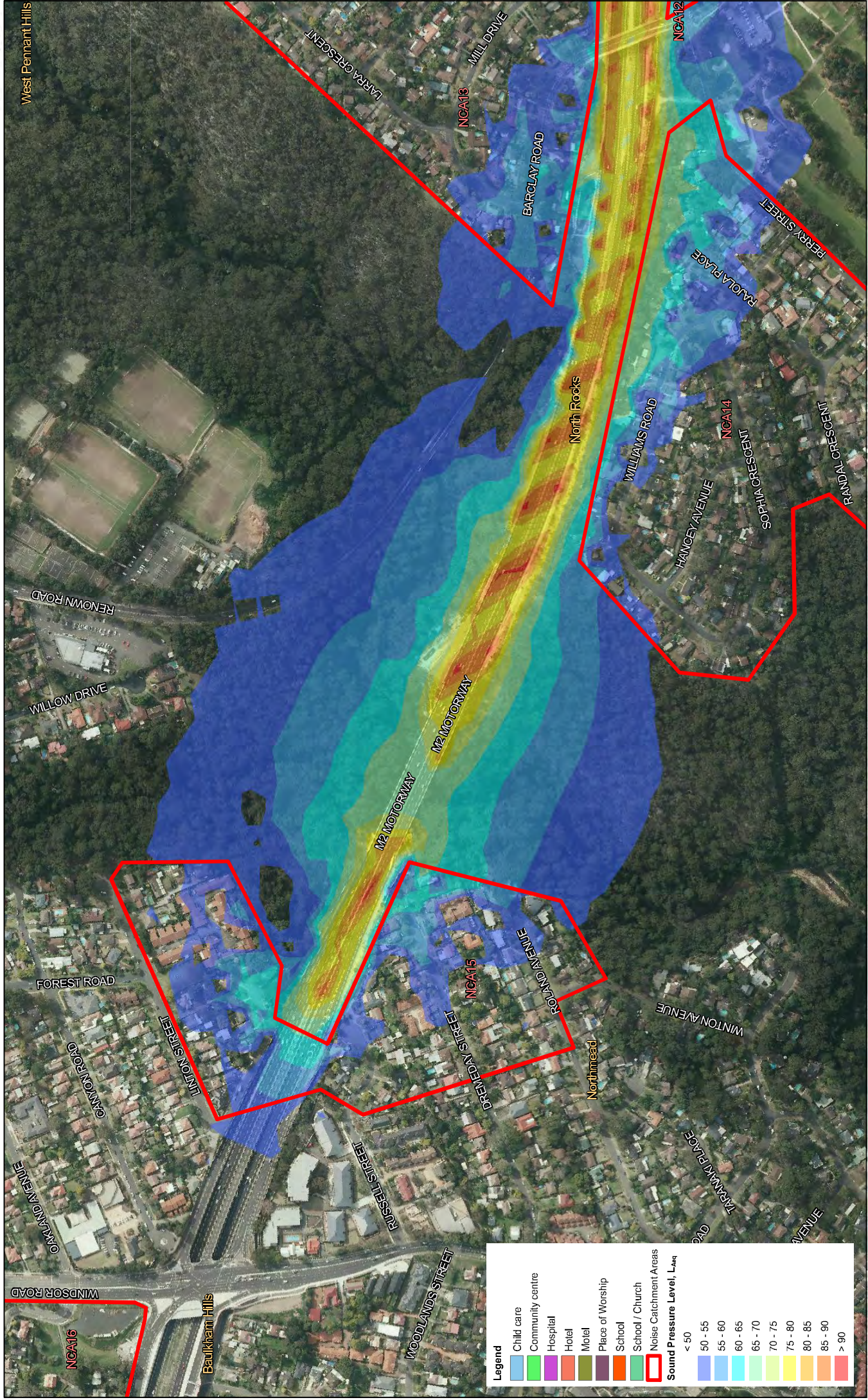
Traffic Management - M2 Tie-In

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0 50 100 200 m

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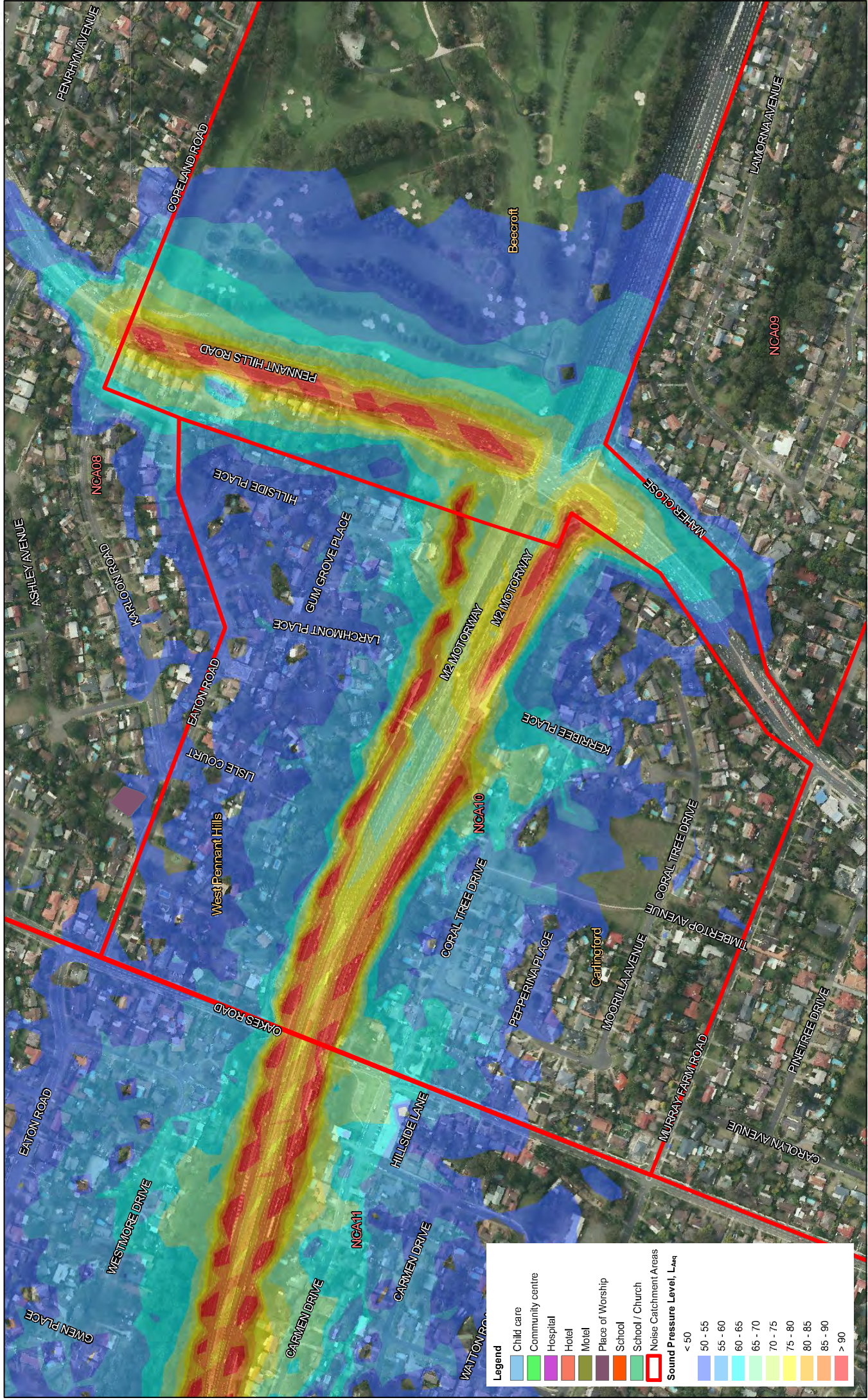
Legend

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Time	Descriptor	Sound Pressure Level L_{Aeq} dB(A)															
		NCA1	NCA2	NCA3	NCA4	NCA5	NCA6	NCA7	NCA8	NCA9	NCA10	NCA11	NCA12	NCA13	NCA14	NCA15	NCA16
Day	Background	56	56	53	51	41	47	41	44	48	44	51	39	49	53	53	
	NM	66	66	63	61	51	57	61	64	58	54	61	49	59	63	63	
Evening	Background	52	54	50	47	40	47	38	46	48	40	46	39	44	47	48	
	NM	59	59	55	52	45	52	43	51	53	45	51	44	49	52	53	
Night	Background	45	43	41	41	35	39	30	39	44	41	42	33	33	35	38	
	NM	50	48	46	46	40	44	35	44	49	41	42	38	38	40	43	



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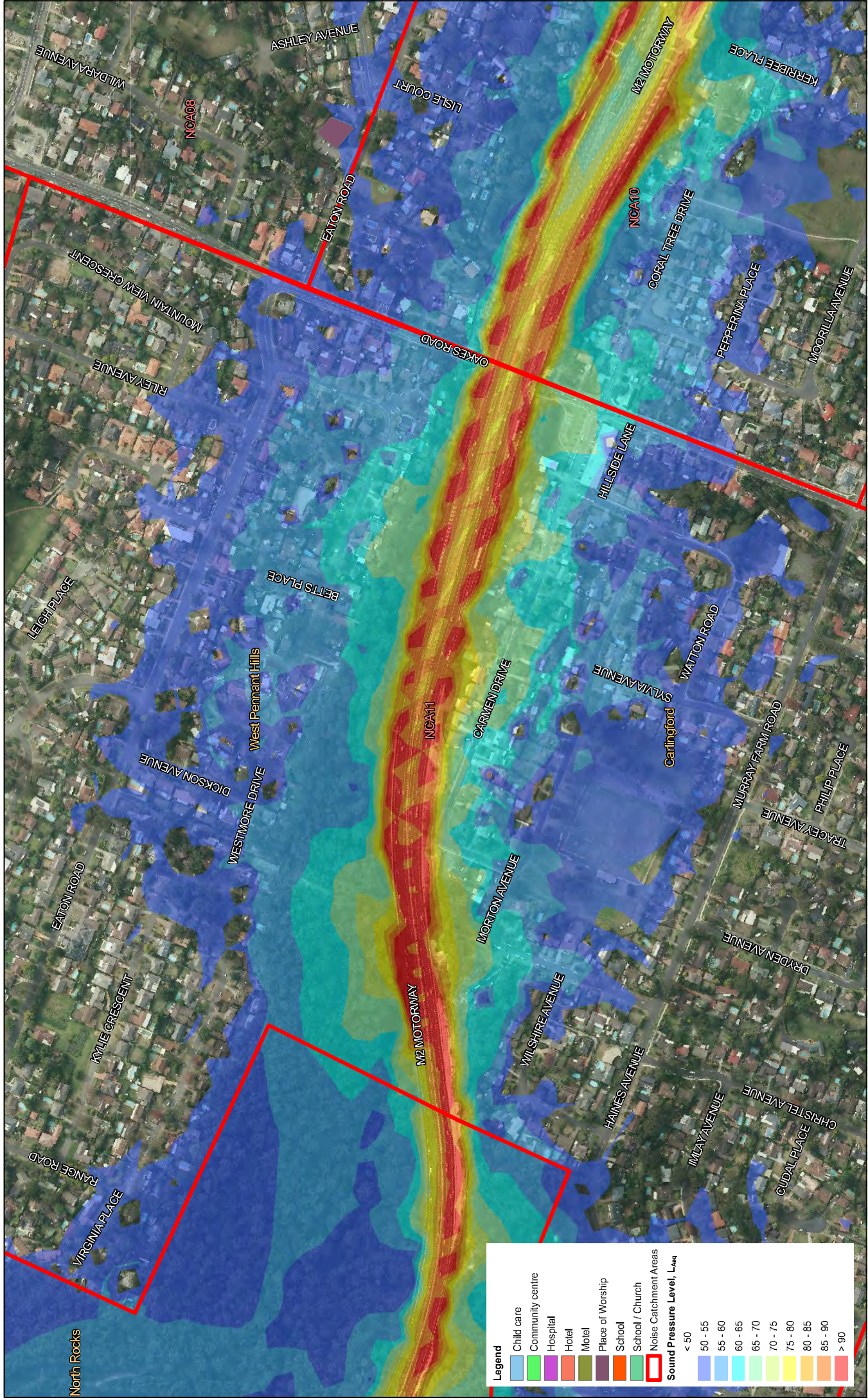
75 - 80

80 - 85

85 - 90

> 90

Time	Descriptor	NCA01	NCA02	NCA03	NCA04	NCA05	NCA06	NCA07	NCA08	NCA09	NCA10	NCA11	NCA12	NCA13	NCA14	NCA15
Day	Background	56	56	53	51	41	47	41	44	48	44	51	39	49	53	53
	NM	66	66	63	61	51	57	61	54	58	54	61	49	59	63	63
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	NM	57	59	55	52	45	52	43	51	53	45	51	44	49	52	53
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	NM	50	48	46	46	40	44	35	44	49	41	42	38	38	40	43



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Day	Background	56	56	53	51	41	47	41	44	48	44	51	39	49	53	53
	NM	66	66	63	61	51	57	61	54	58	54	61	59	59	63	63
Evening	Background	52	54	50	47	40	47	38	46	48	40	46	39	44	47	48
	NM	57	59	55	52	45	52	43	51	53	45	51	44	49	52	53
Night	Background	45	43	41	35	39	39	30	39	44	35	37	33	33	35	38
	NM	50	48	46	46	40	44	35	44	49	41	42	38	38	40	43

NorthConnex

Demolition - M2 Tie-In

MAY 2014

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0 50 100 200 m

North

2