

Appendix G

Construction ground-borne noise L_{Aeq} maps

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— Tunnel Alignment

Sound Pressure Level, L_{Aeq} dB(A)

NorthConnex
Groundborne Noise - Tunneling Works

JUN 2014
60300684

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Fig.



— Tunnel Alignment

Sound Pressure Level, L_{Aeq} dB(A)

> 45
40 - 45
35 - 40
< 35

NorthConnex

Groundborne Noise - Tunneling Works

JUN 2014

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Fig. 2

0 50 100 200 400 m



Tunnel Alignment

Sound Pressure Level, L_{Aeq} dB(A)

- > 45
- 40 - 45
- 35 - 40
- < 35

NorthConnex

Groundborne Noise - Tunneling Works

JUN 2014

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Fig. 3

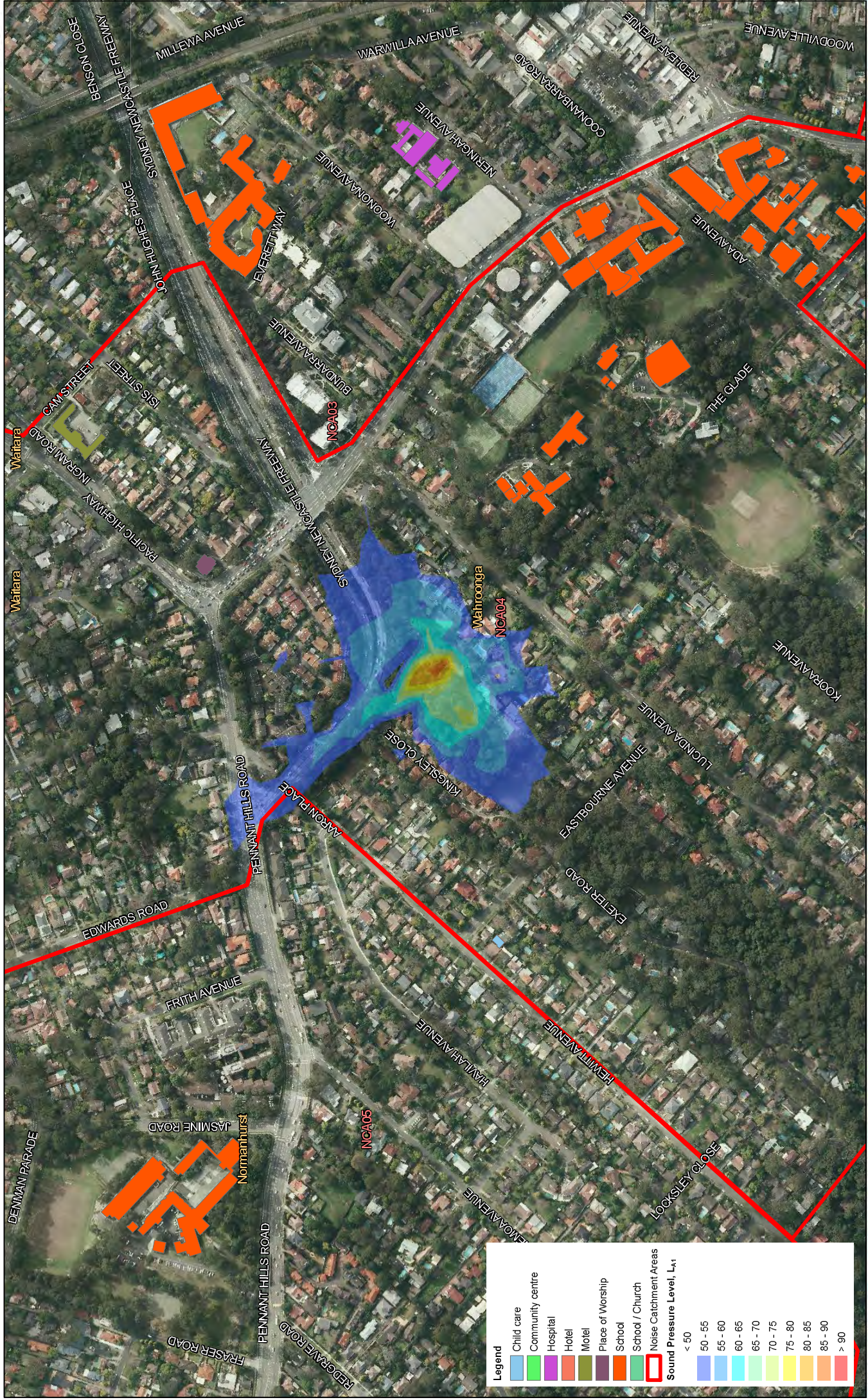
0 50 100 200 400 m



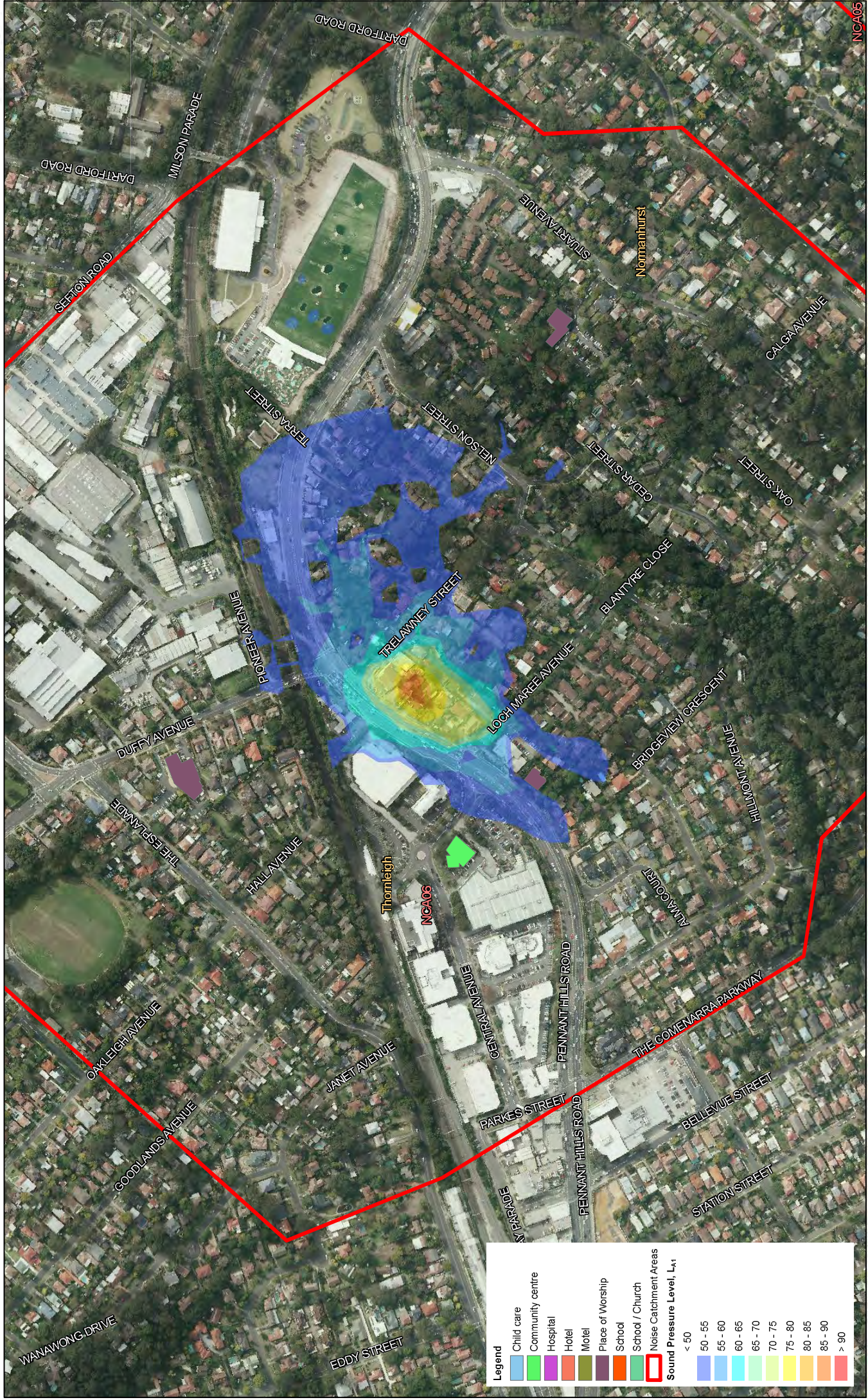
Appendix H

Construction noise $L_{A1(1min)}$ maps

Appendix H Construction noise $L_{A1(1min)}$ maps



Time		Sound Pressure Level, L_{Aeq} dB(A)																
		NCA01	NCA02	NCA03	NCA04	NCA05	NCA06	NCA07	NCA08	NCA09	NCA10	NCA11	NCA12	NCA13	NCA14	NCA15		
Day	Background	56	56	53	51	51	47	41	44	48	44	51	39	49	53	53	NorthConnex	Tunnel Support - Northern Interchange Compound
	NM	66	66	63	61	61	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	NorthConnex	Tunnel Support - Northern Interchange Compound
	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	NorthConnex	Tunnel Support - Northern Interchange Compound
	NM	50	48	46	46	40	44	35	44	49	41	42	38	38	40	43		



Time		Sound Pressure Level, L _{eq} dB(A)															NCA05	
Day		NCA01	NCA02	NCA03	NCA04	NCA05	NCA06	NCA07	NCA08	NCA09	NCA10	NCA11	NCA12	NCA13	NCA14	NCA15		
Background		56	56	53	51	41	41	41	44	48	44	51	39	49	53	53		
NML		66	66	63	61	51	57	61	64	68	54	61	49	59	63	63		
Background		52	54	50	47	40	47	38	46	48	40	46	39	44	47	48		
NML		57	59	55	52	45	52	43	51	53	45	51	44	49	52	53		
Background		45	43	41	41	35	39	30	39	44	36	37	33	33	35	38		
NML		50	48	46	46	40	44	35	44	49	41	42	38	38	40	43		



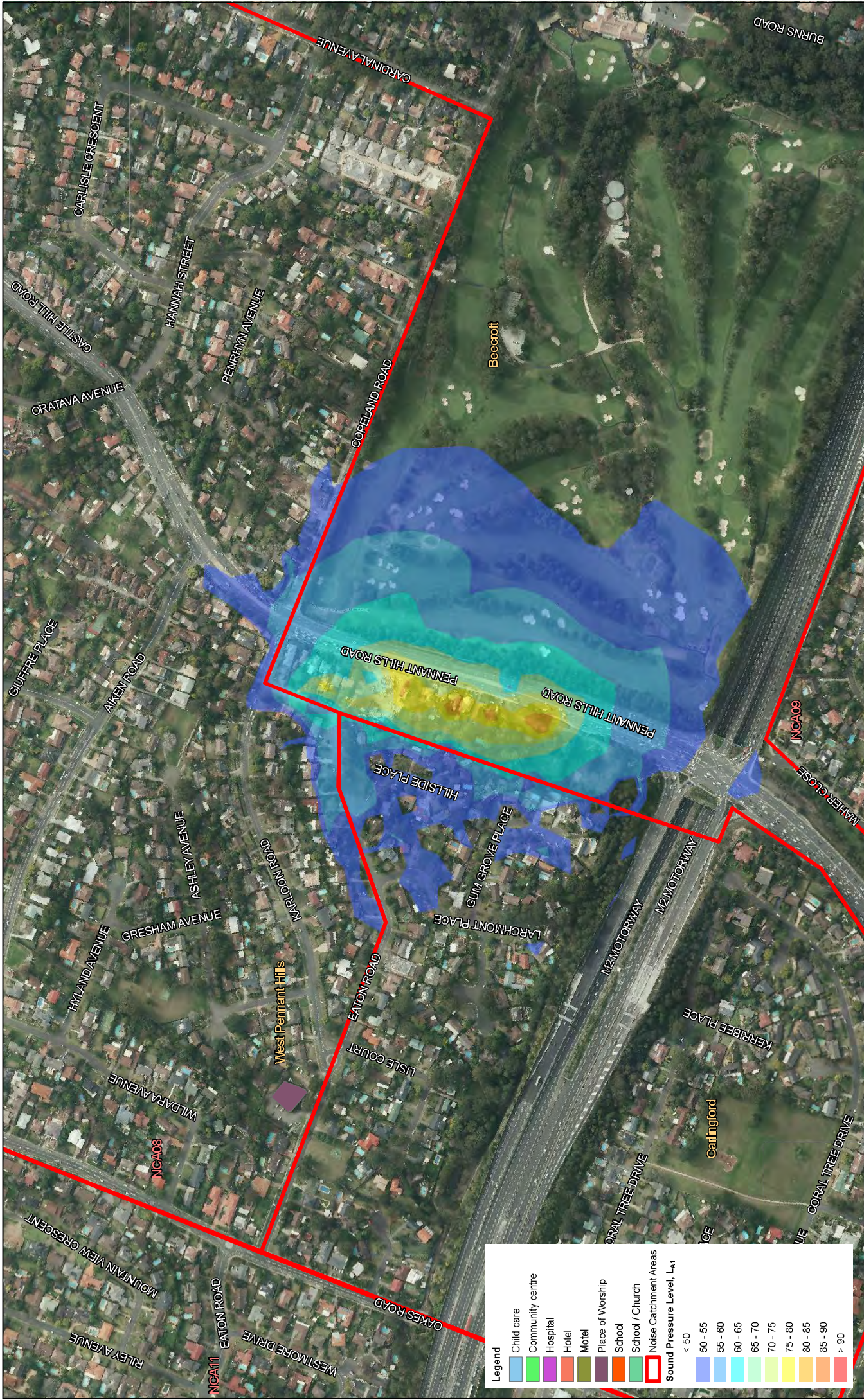
Legend

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

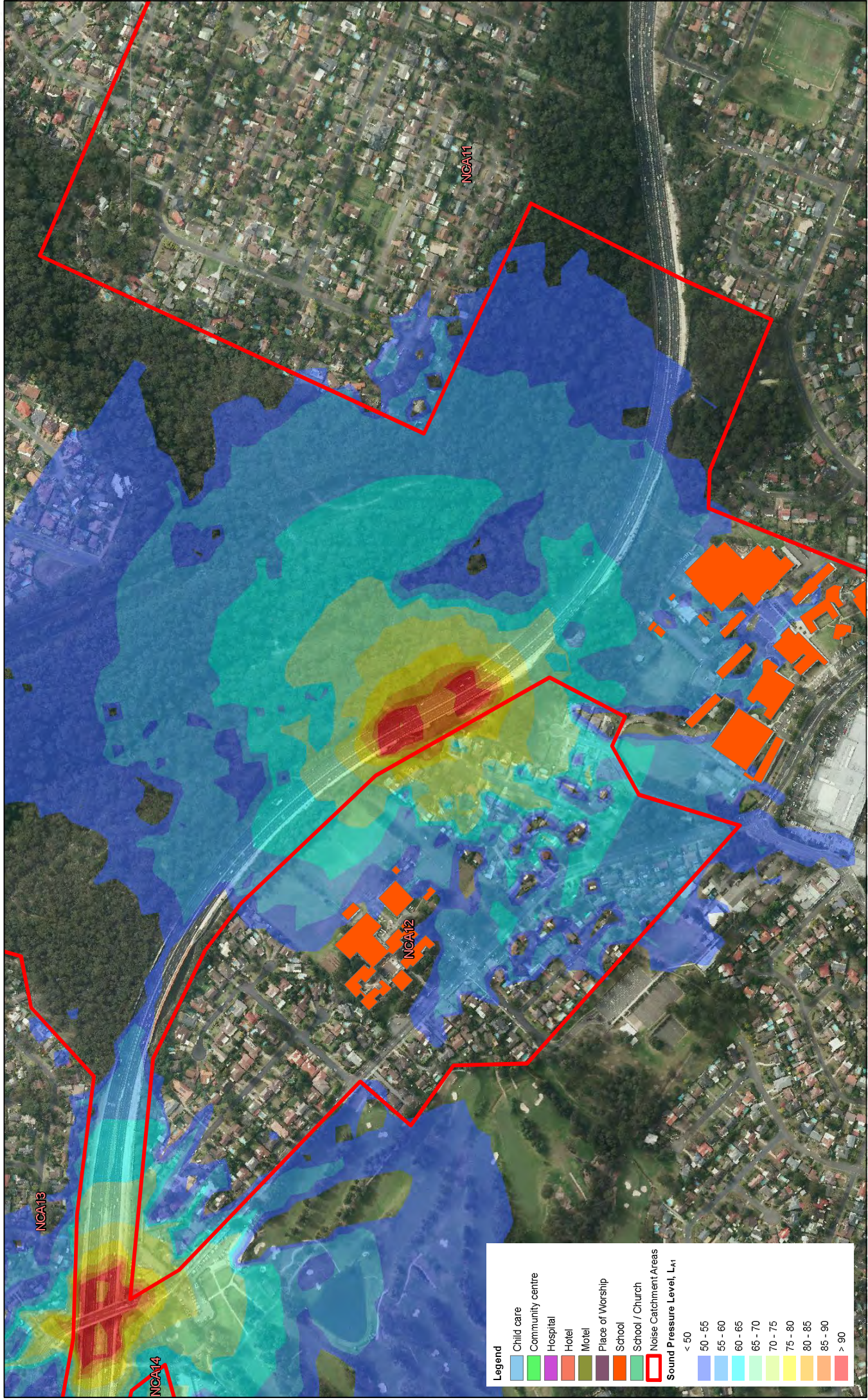
Sound Pressure Level, L_{A1}

- < 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 - 90
- > 90

Time		Sound Pressure Level, L_{A1} dB(A)																
		NCA01	NCA02	NCA03	NCA04	NCA05	NCA06	NCA07	NCA08	NCA09	NCA10	NCA11	NCA12	NCA13	NCA14	NCA15		
Day	Background	56	56	56	51	41	47	41	44	48	44	51	39	49	53	53	NorthConnex	Tunnel Support - Wilson Road Compound
	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	NorthConnex	Tunnel Support - Wilson Road Compound
	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	35	NorthConnex	Tunnel Support - Wilson Road Compound
	NM	50	48	46	46	40	44	35	44	49	41	42	38	38	40	43		



Time		Sound Pressure Level, L _{Aeq} , dB(A)																
		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	NorthConnex	Tunnel Support - Southern Interchange Compound
	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	Fig	4
	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	m	200
	NM	50	48	46	46	40	44	35	44	49	41	42	38	38	40	43		



Legend

Child care

Community centre

Hospital

Hotel

Motel

Places of Worship

School

School / Church

Noise Catchment Areas

Sound Pressure Level, L_{A1}

< 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	64	68	64	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

Yale Close Bridge Night Works - M2 Tie-In

MAY 2014

60300684

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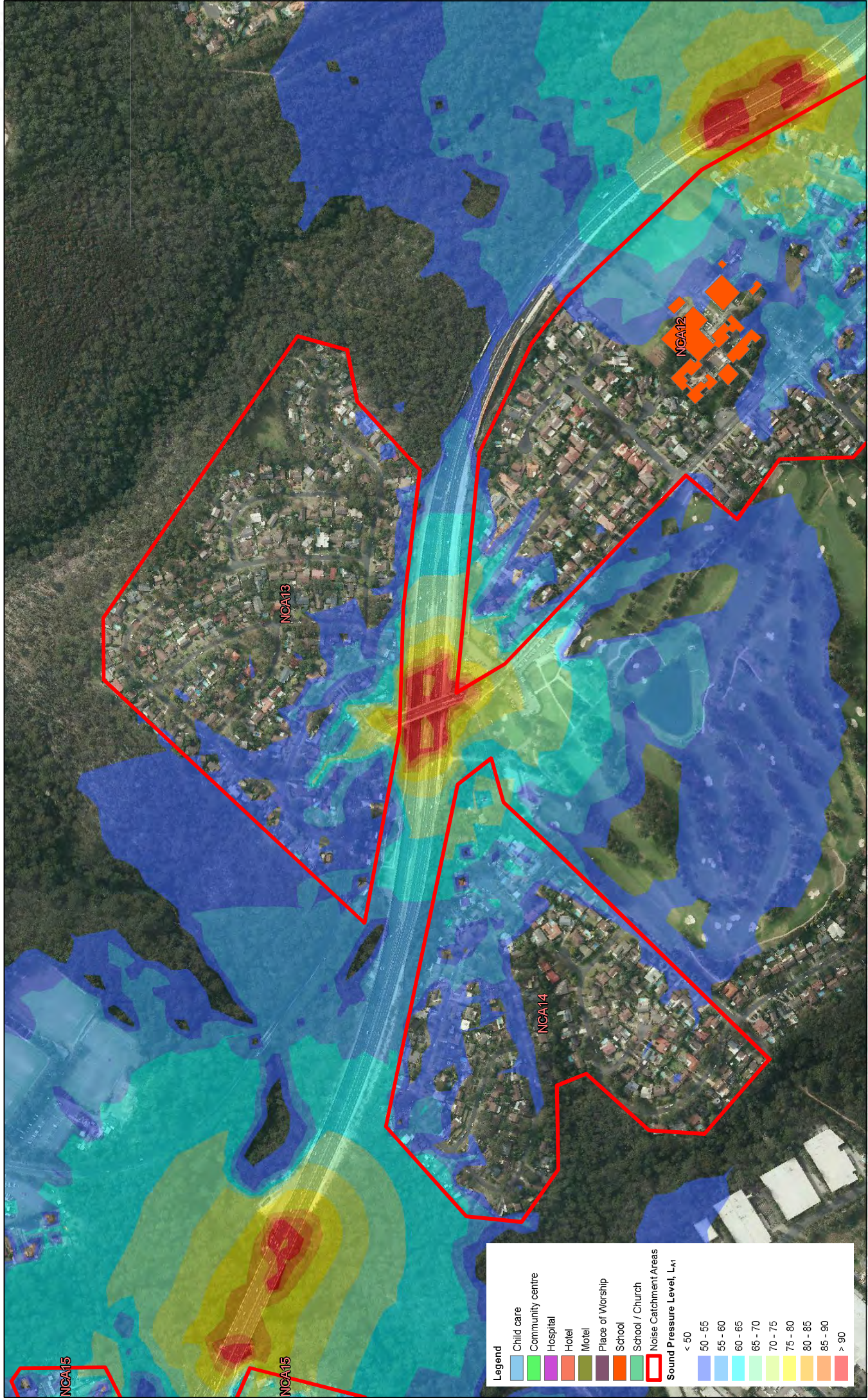
50

100

200

m

Fig. 1



Legend

Child care

Community centre

Hospital

Hotel

Motel

Places of Worship

School

School / Church

Noise Catchment Areas

Sound Pressure Level, L_{A1}

< 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75

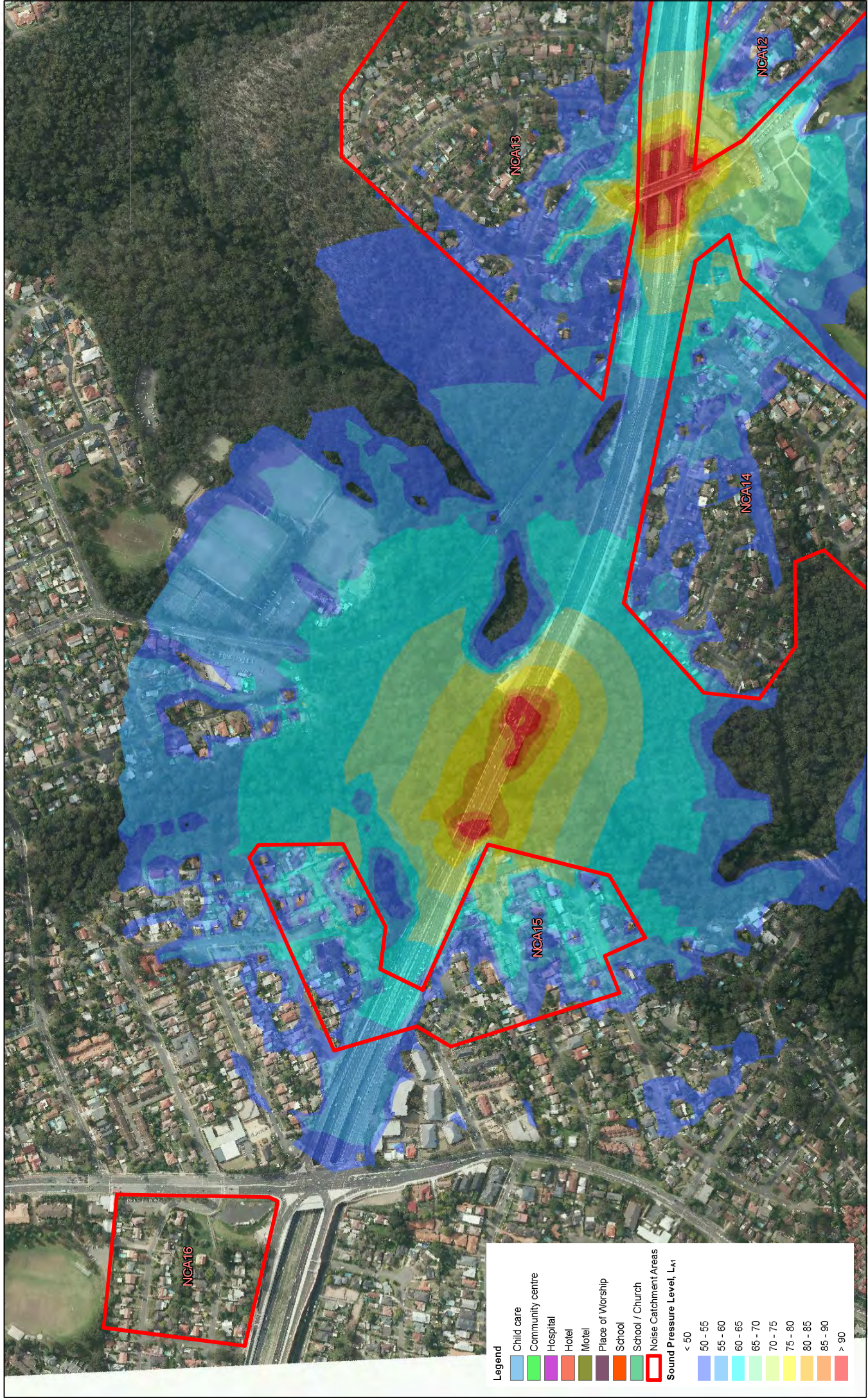
75 - 80

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
	NML	66	66	63	61	51	57	61	64	68	64	61	49	59	63	63
Evening	Background	52	54	50	47	40	47	43	46	48	40	46	39	44	47	48
	NML	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
	NML	50	48	46	46	40	44	35	44	49	41	42	38	38	40	43



Time	Descriptor	NCA01	NCA02	NCA03	NCA04	NCA05	NCA06	NCA07	NCA08	NCA09	NCA10	NCA11	NCA12	NCA13	NCA14	NCA15
Day	Background	56	56	53	51	41	41	41	44	48	44	51	39	49	53	53
	NML	66	66	63	61	51	57	61	64	68	64	61	49	59	63	63
Evening	Background	52	54	50	47	40	40	43	46	48	40	46	39	44	47	48
	NML	57	59	55	52	45	52	51	53	53	45	51	44	49	52	53
Night	Background	45	43	41	41	35	39	30	39	44	36	37	33	33	35	38
	NML	50	48	46	46	40	44	35	44	49	41	42	38	38	40	43