

TECHNICAL REPORT

INLAND
RAIL 

8

Noise and vibration assessment – construction and other operations

PART 5 OF 7

Appendix H

NARROMINE TO NARRABRI ENVIRONMENTAL IMPACT STATEMENT

ARTC

The Australian Government is delivering
Inland Rail through the Australian
Rail Track Corporation (ARTC), in
partnership with the private sector.

TECHNICAL REPORT

8

Noise and vibration assessment – construction and other operations

Appendix H Construction noise contours: scenario construction infrastructure (combined)

NARROMINE TO NARRABRI ENVIRONMENTAL IMPACT STATEMENT





Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 16/07/2020

Paper: A4

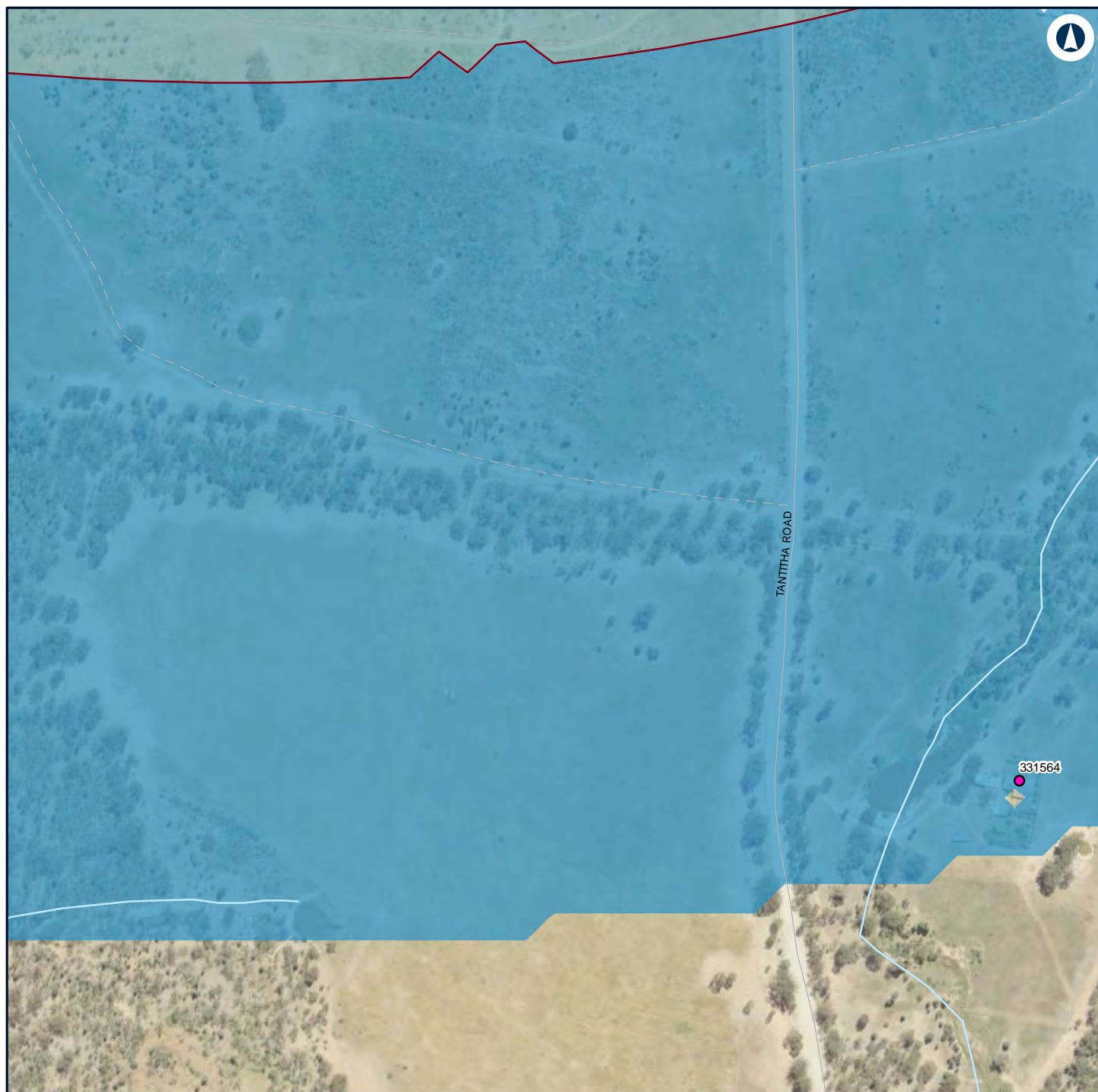
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

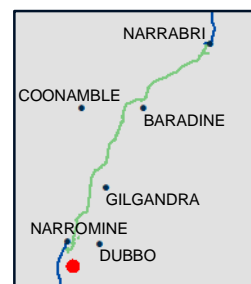
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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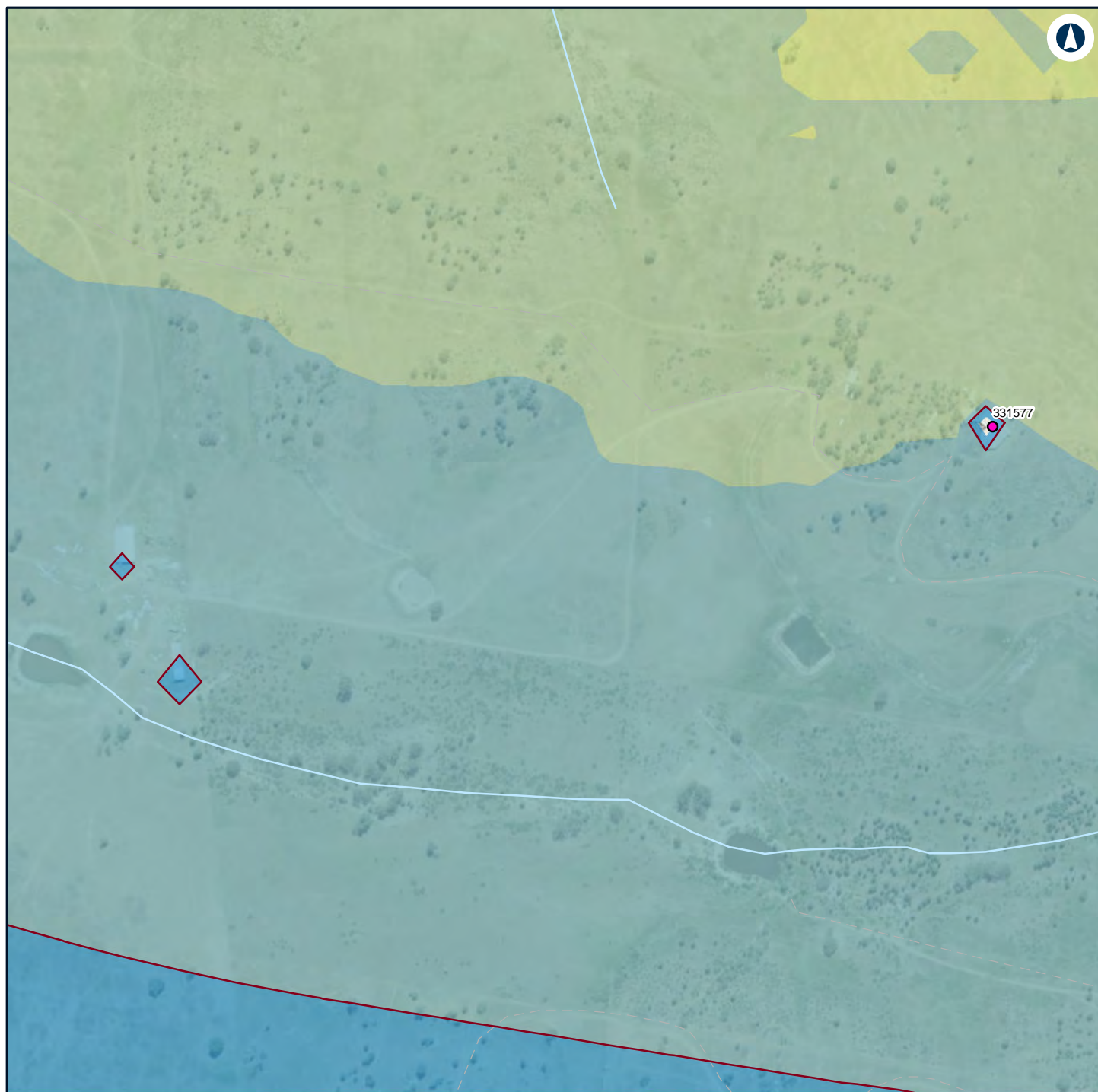
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Legend

— Night-time noise management level

Structure type

● Residential

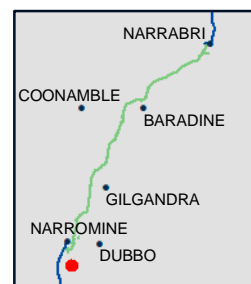
Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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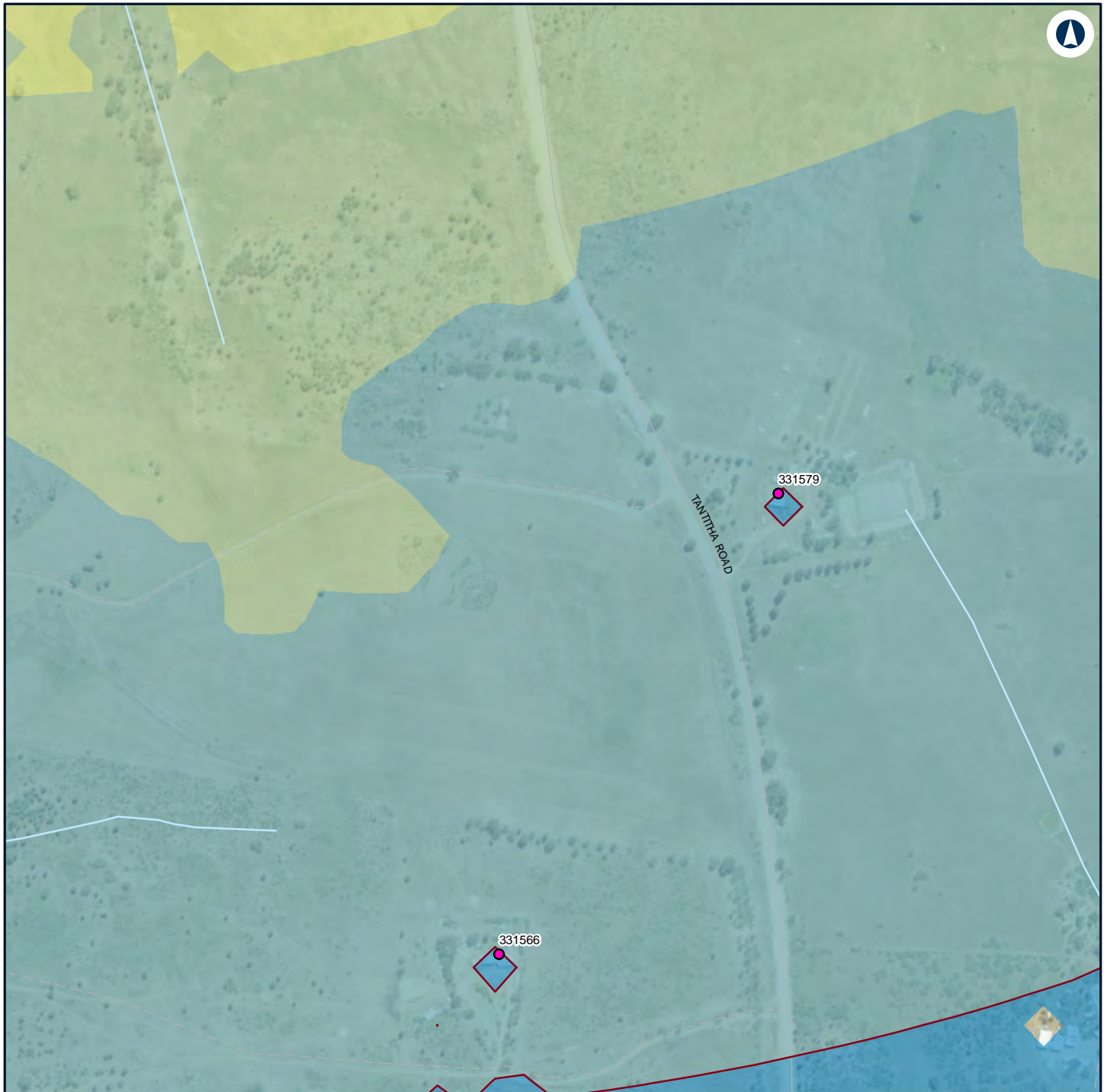
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

0 0.1 0.2 Km

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Construction noise contours, Construction Infrastructure (combined)

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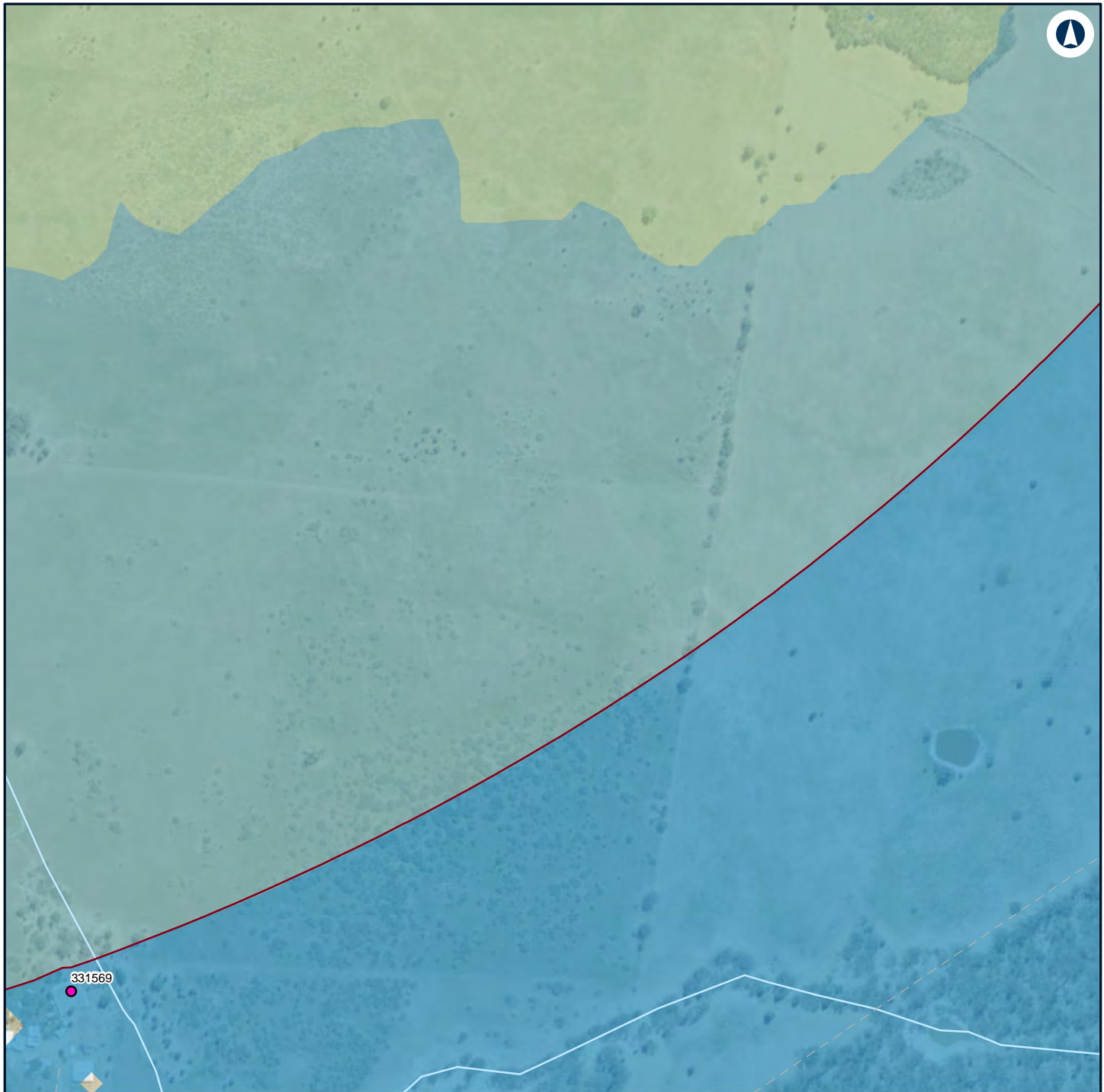
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INLAND RAIL

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 5 of 249

0 0.1 0.2
Km

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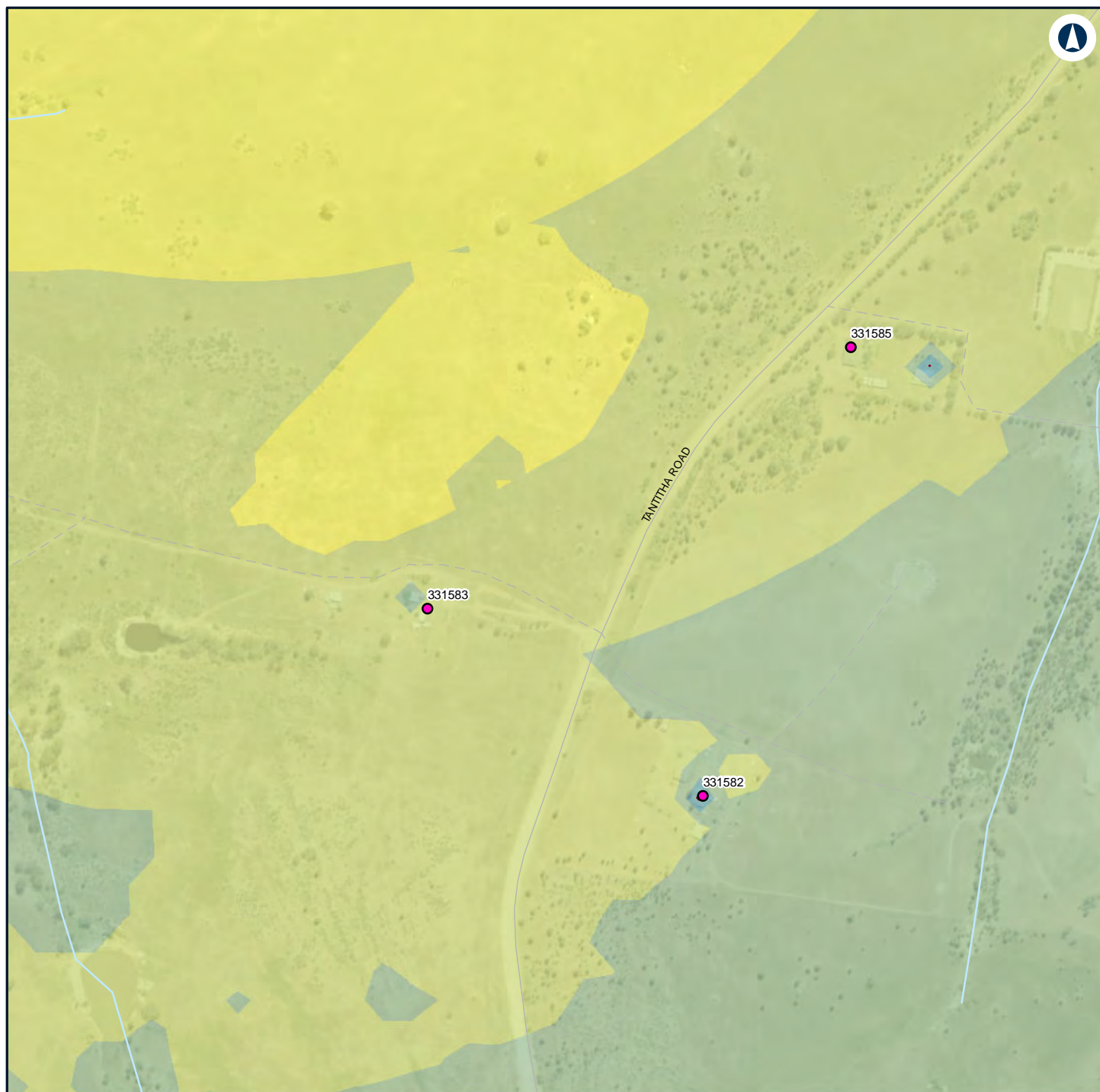
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Legend

— Night-time noise management level

Structure type

● Residential

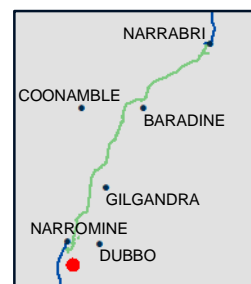
Noise level (dBA L_{Aeq} 15 minute)

35 - 40

40 - 45

45 - 50

50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 6 of 249

0 0.1 0.2
Km

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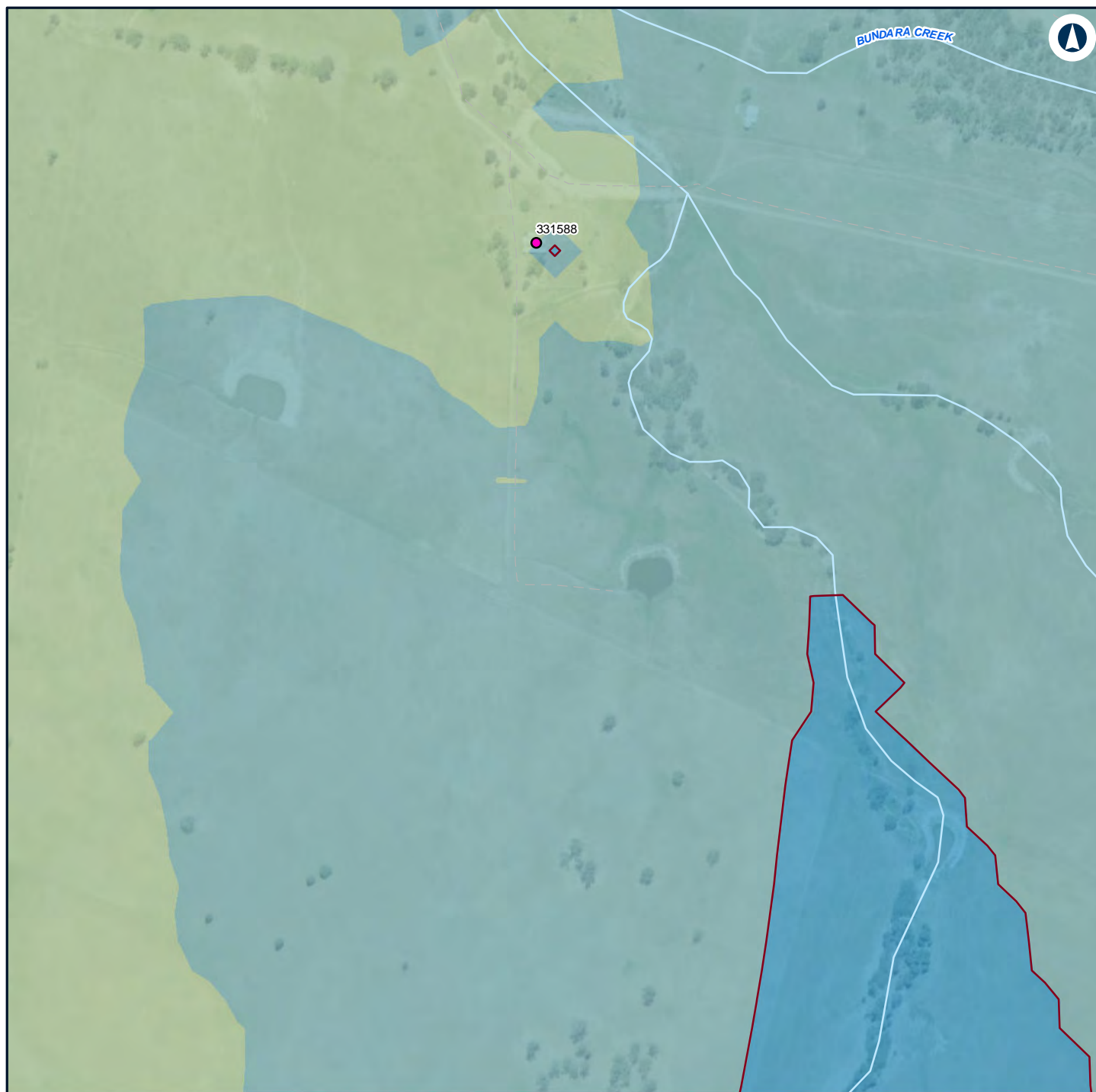
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Legend

— Night-time noise management level

Structure type

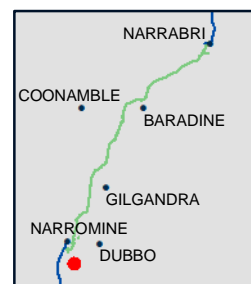
● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 7 of 249

0 0.1 0.2
Km

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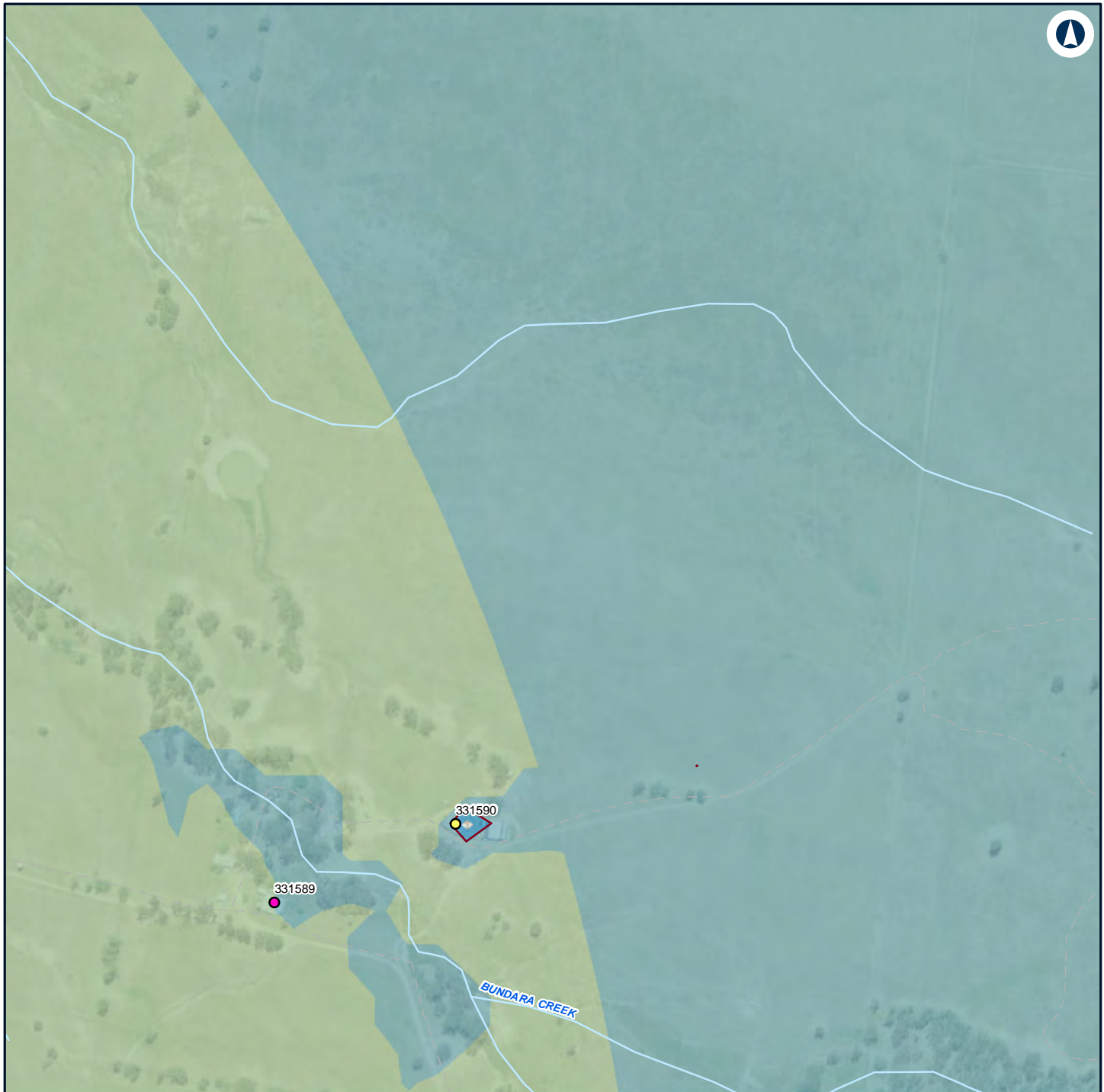
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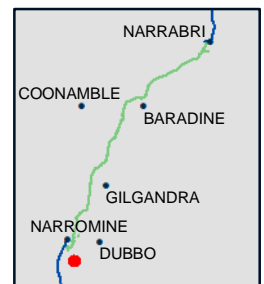
— Night-time noise management level

Structure type

- Community
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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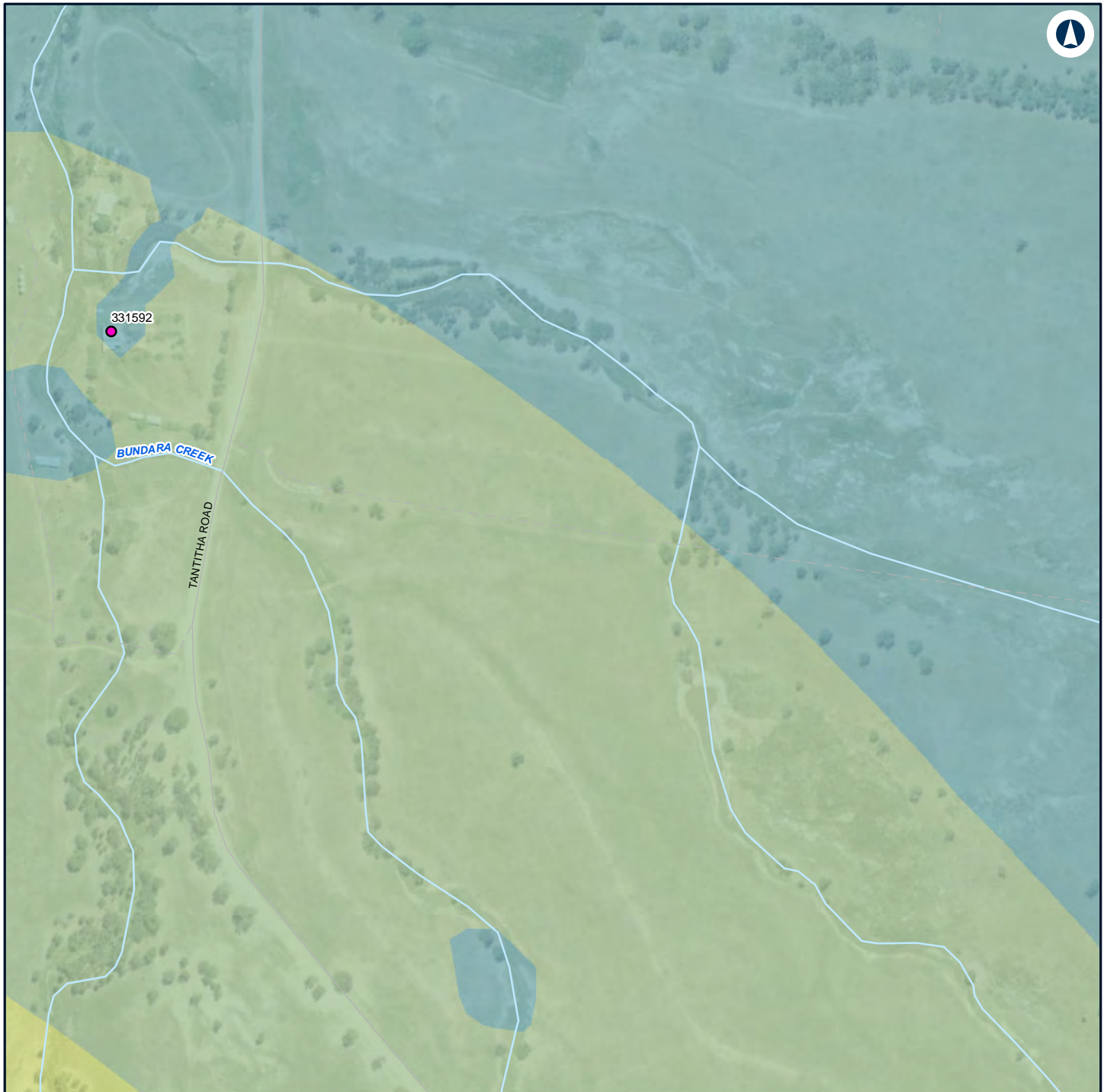
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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 9 of 249

0 0.1 0.2
Km

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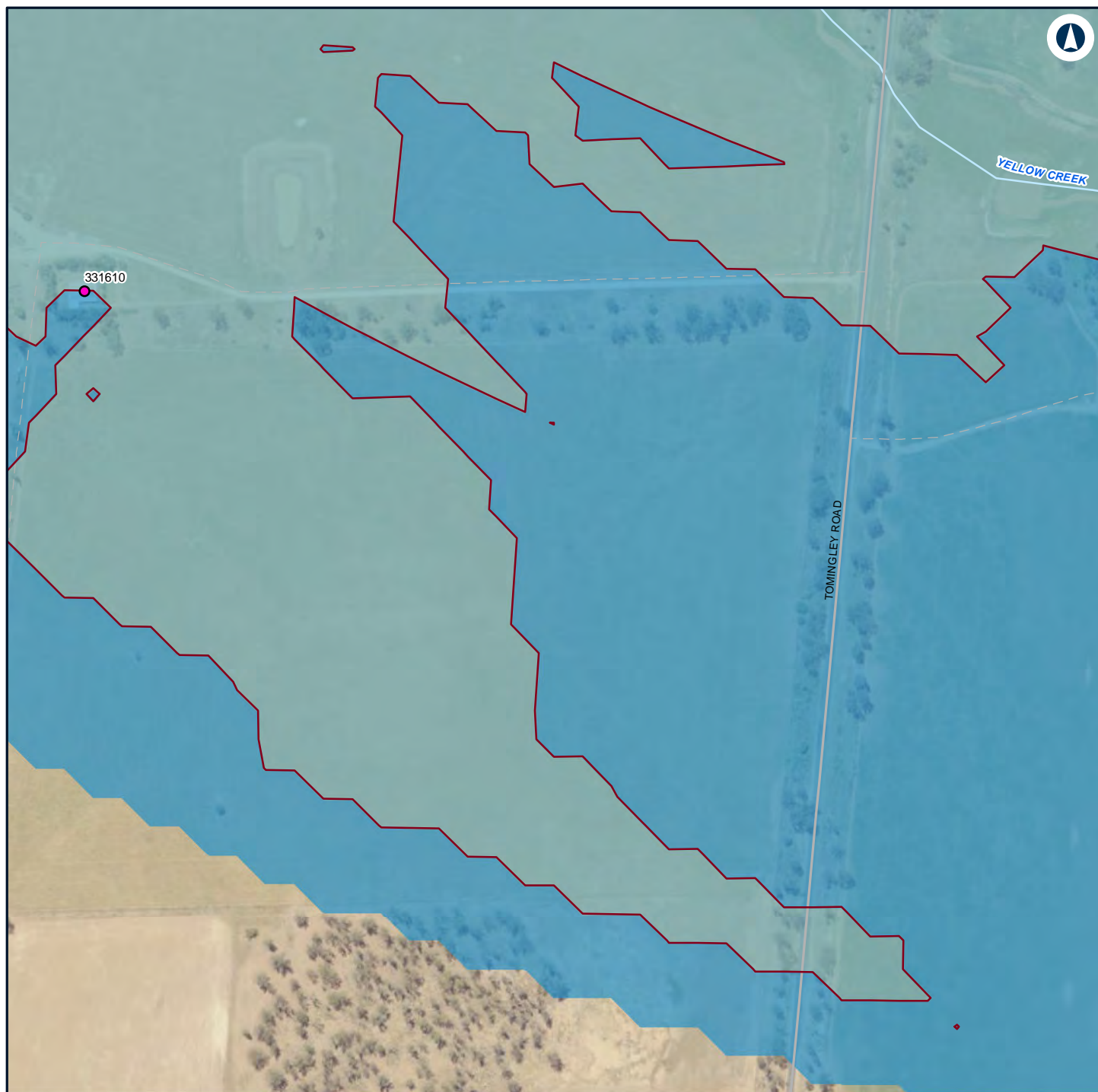
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Legend

— Night-time noise management level

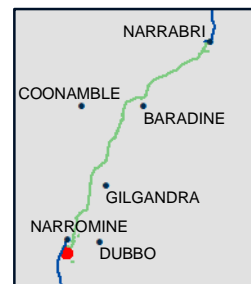
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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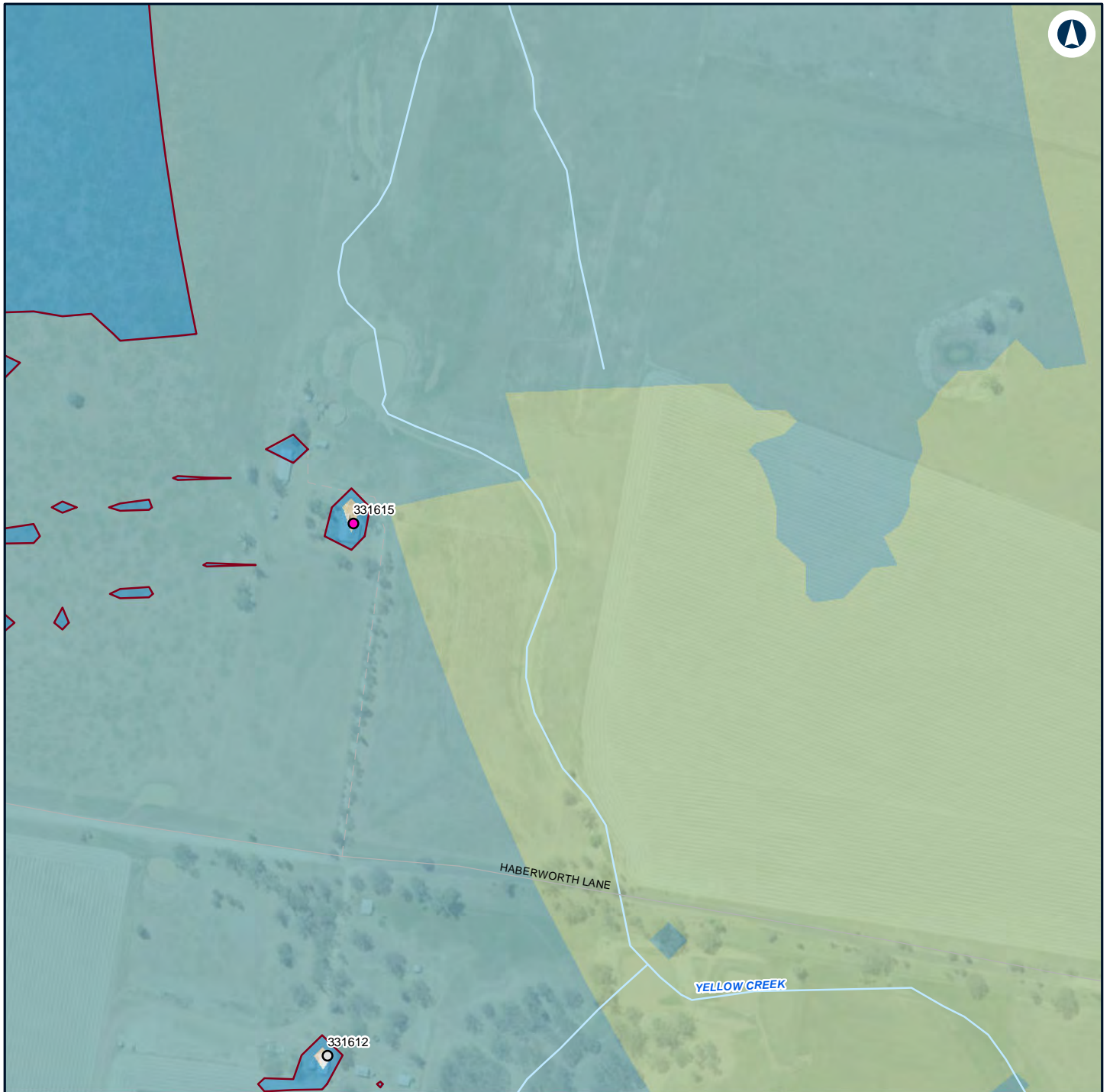
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Legend

— Night-time noise management level

Structure type

- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 11 of 249

0 0.1 0.2
Km

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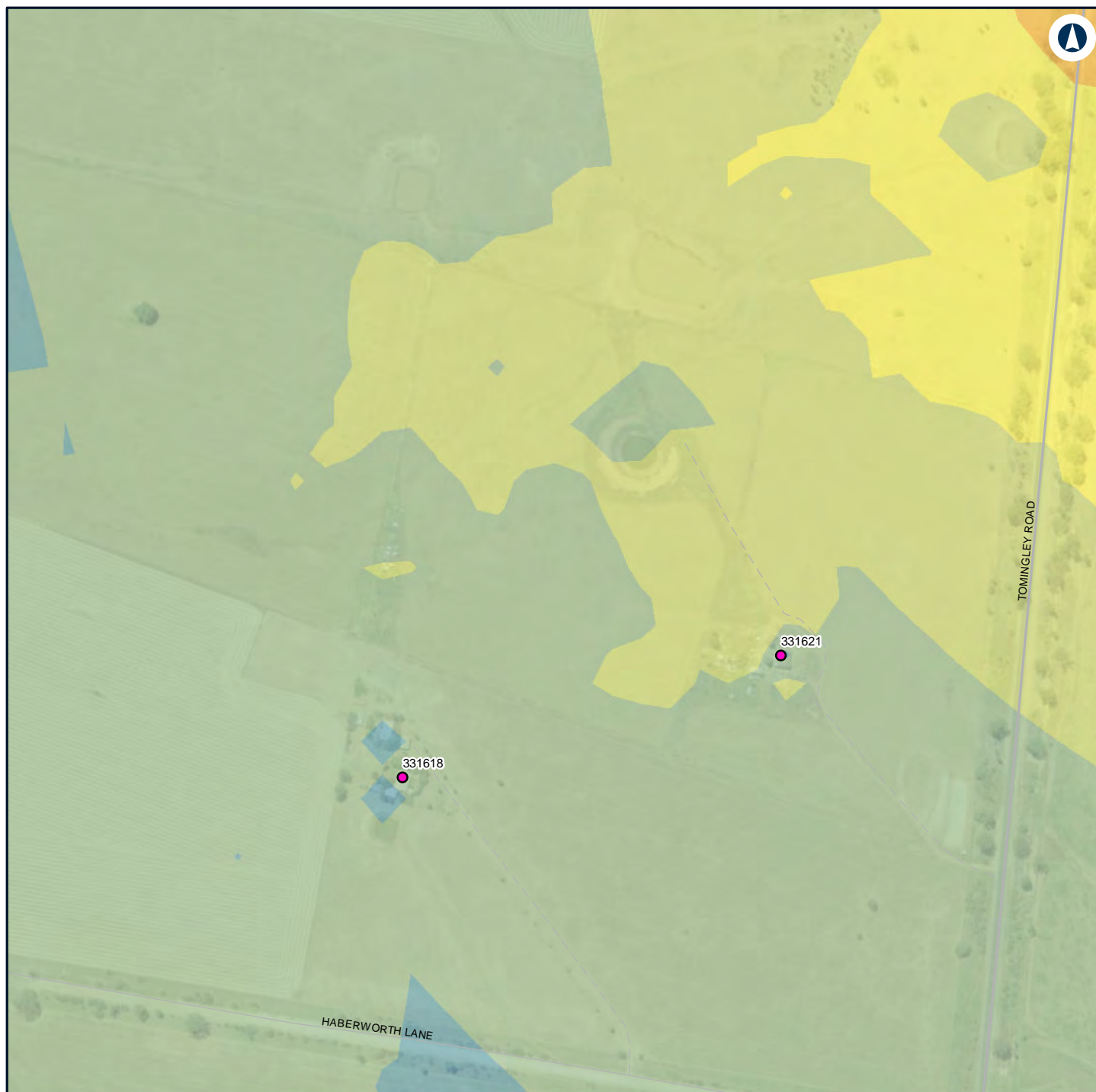
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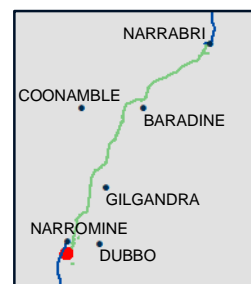
Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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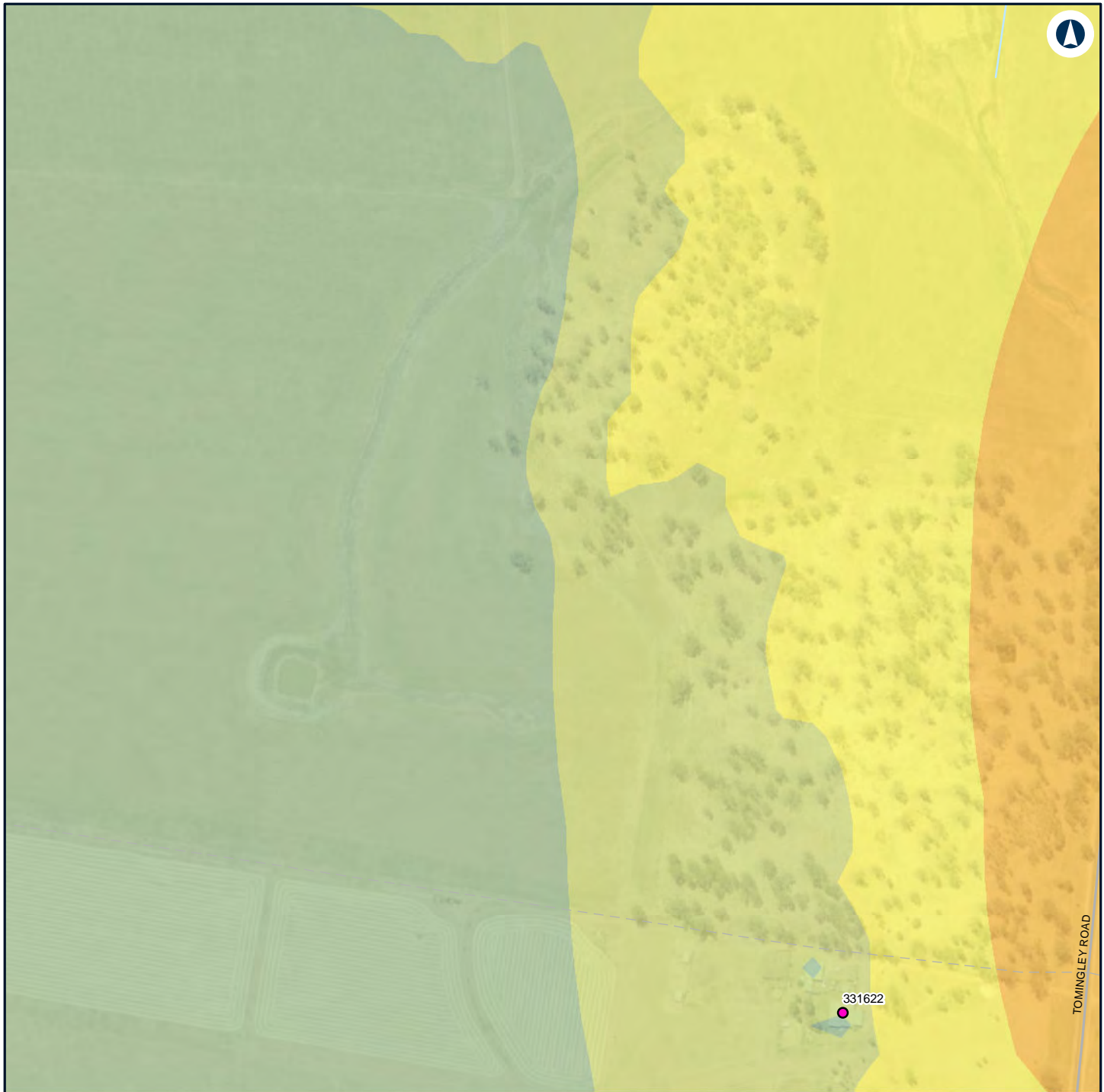
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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

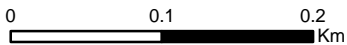
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 13 of 249



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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 14 of 249

0 0.1 0.2
Km

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 15 of 249

0 0.1 0.2
Km

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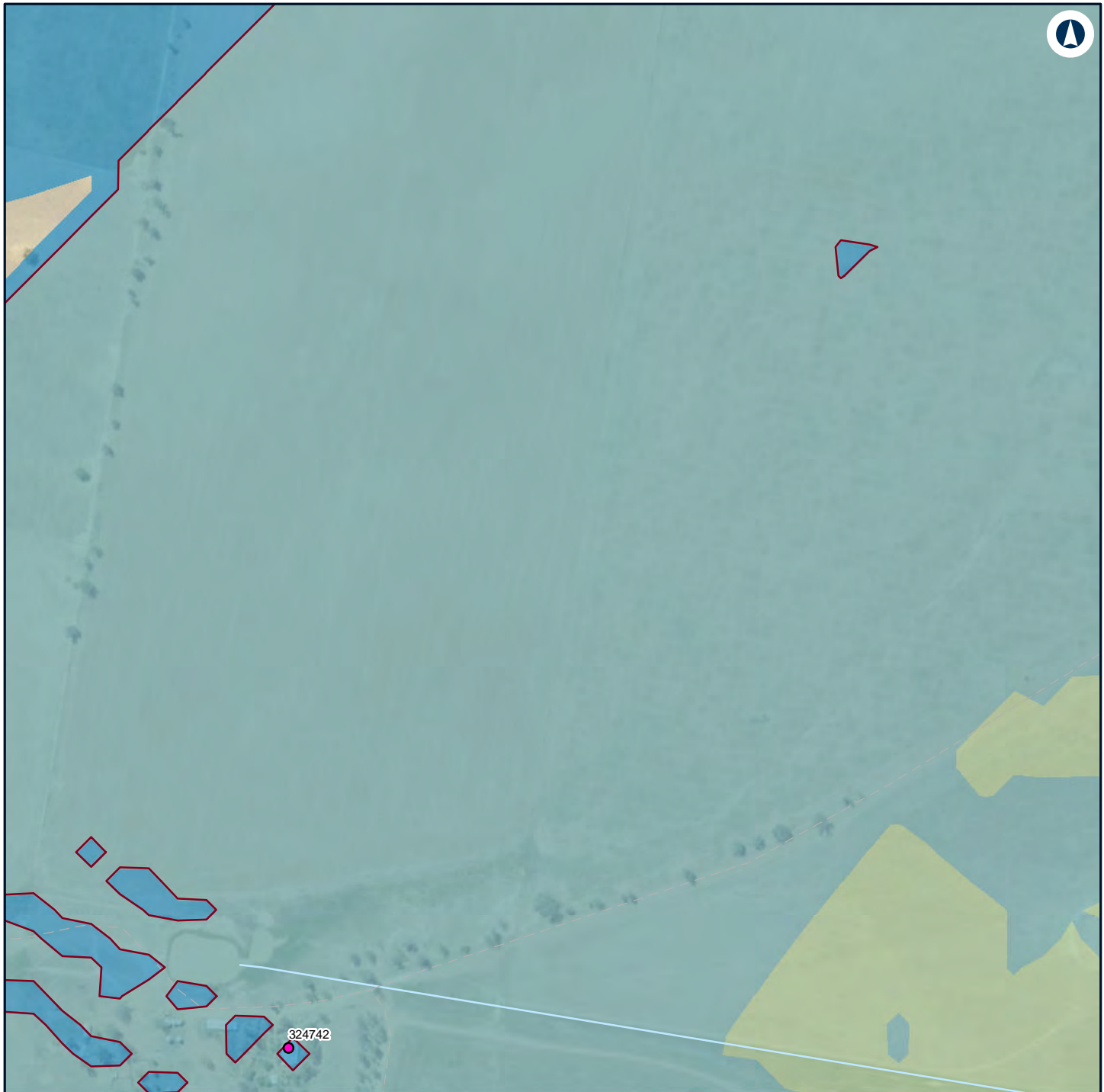
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35
35 - 40
40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 16 of 249

0 0.1 0.2
Km

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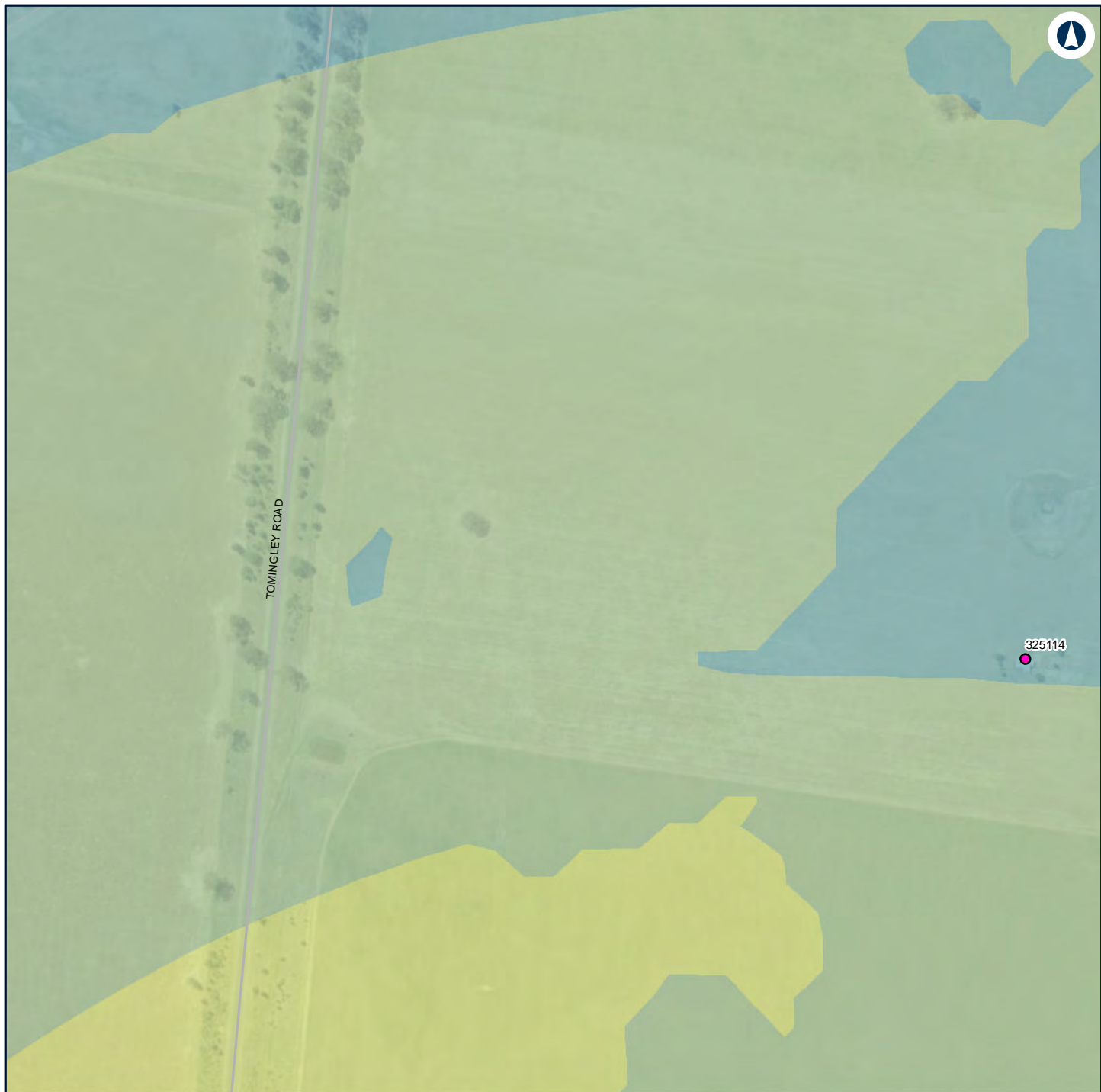
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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 17 of 249

0 0.1 0.2
Km

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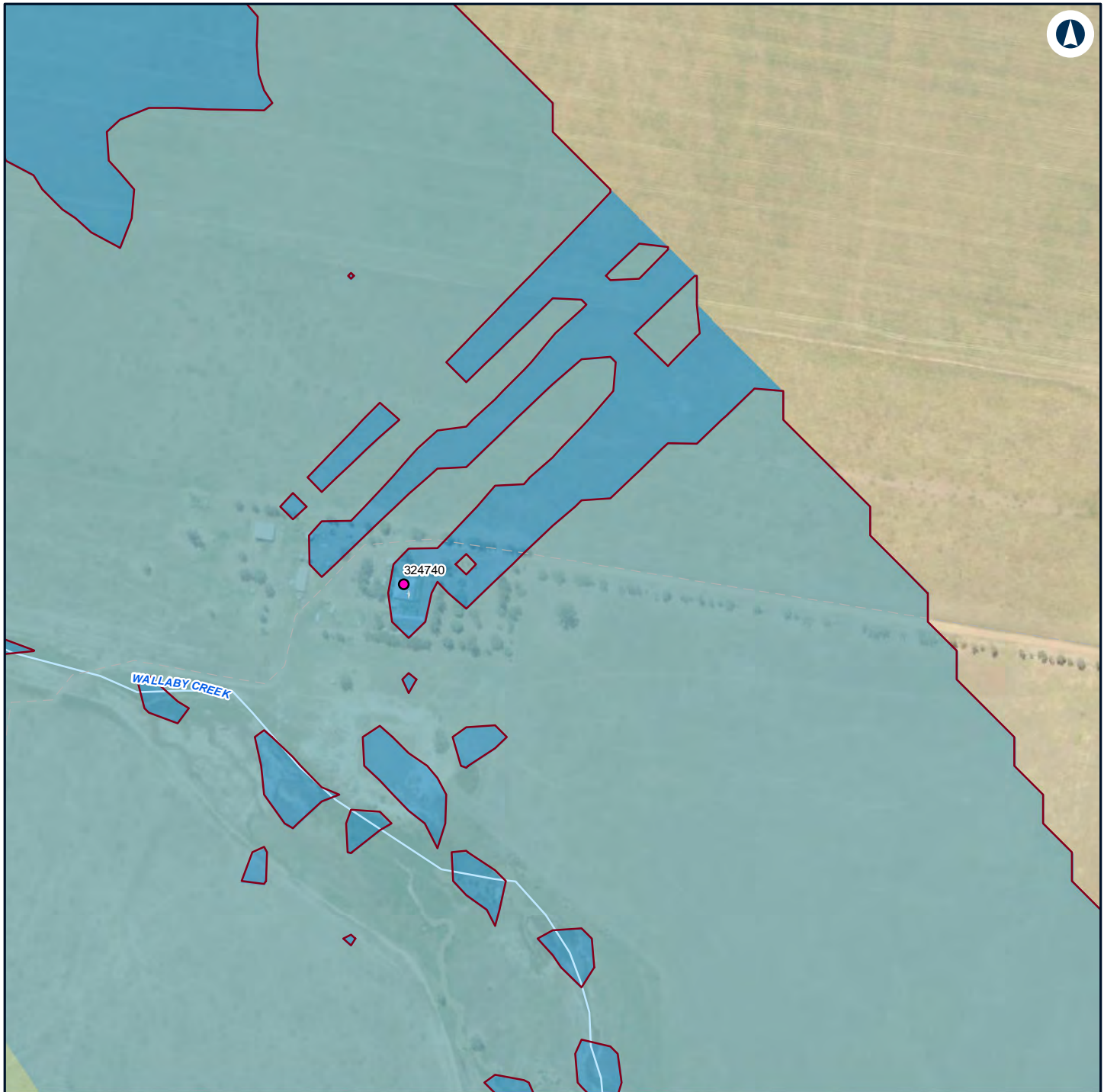
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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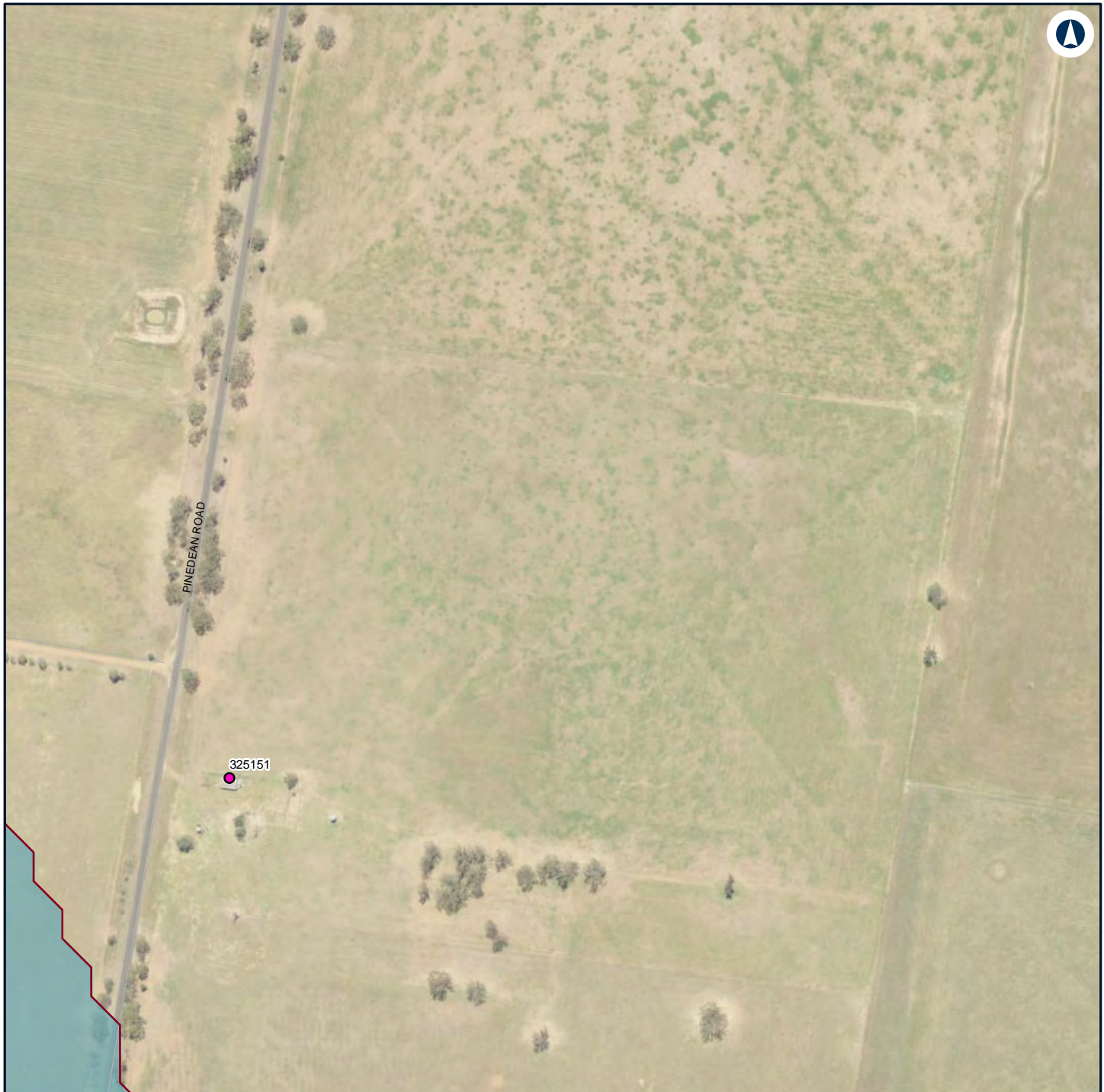
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 19 of 249

0 0.1 0.2
Km

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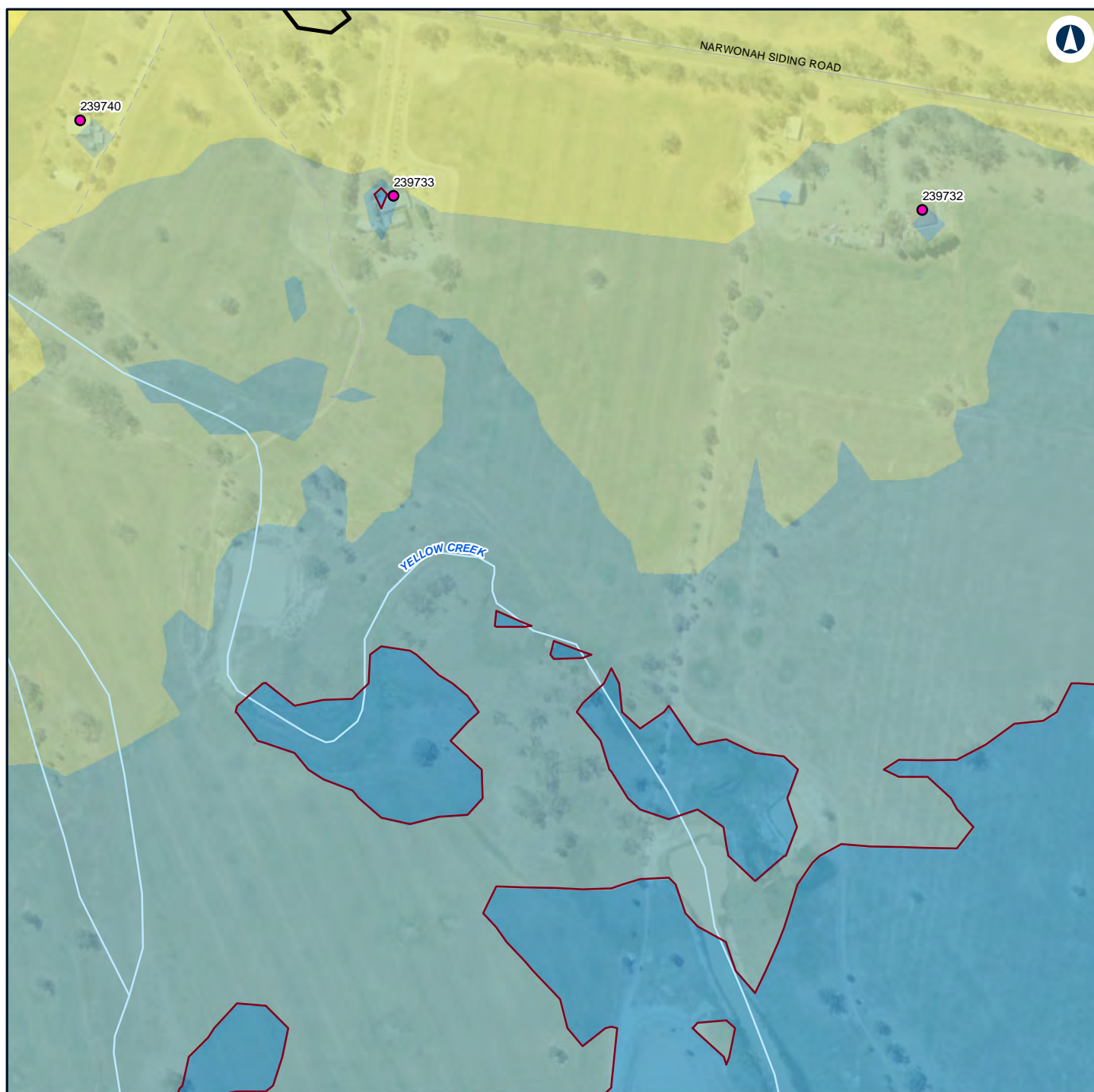
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Legend

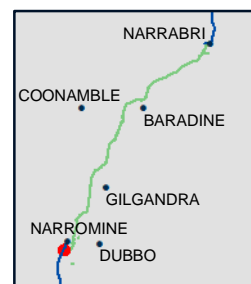
- Construction footprint
- Night-time noise management level
- 45 - 50
- 50 - 55

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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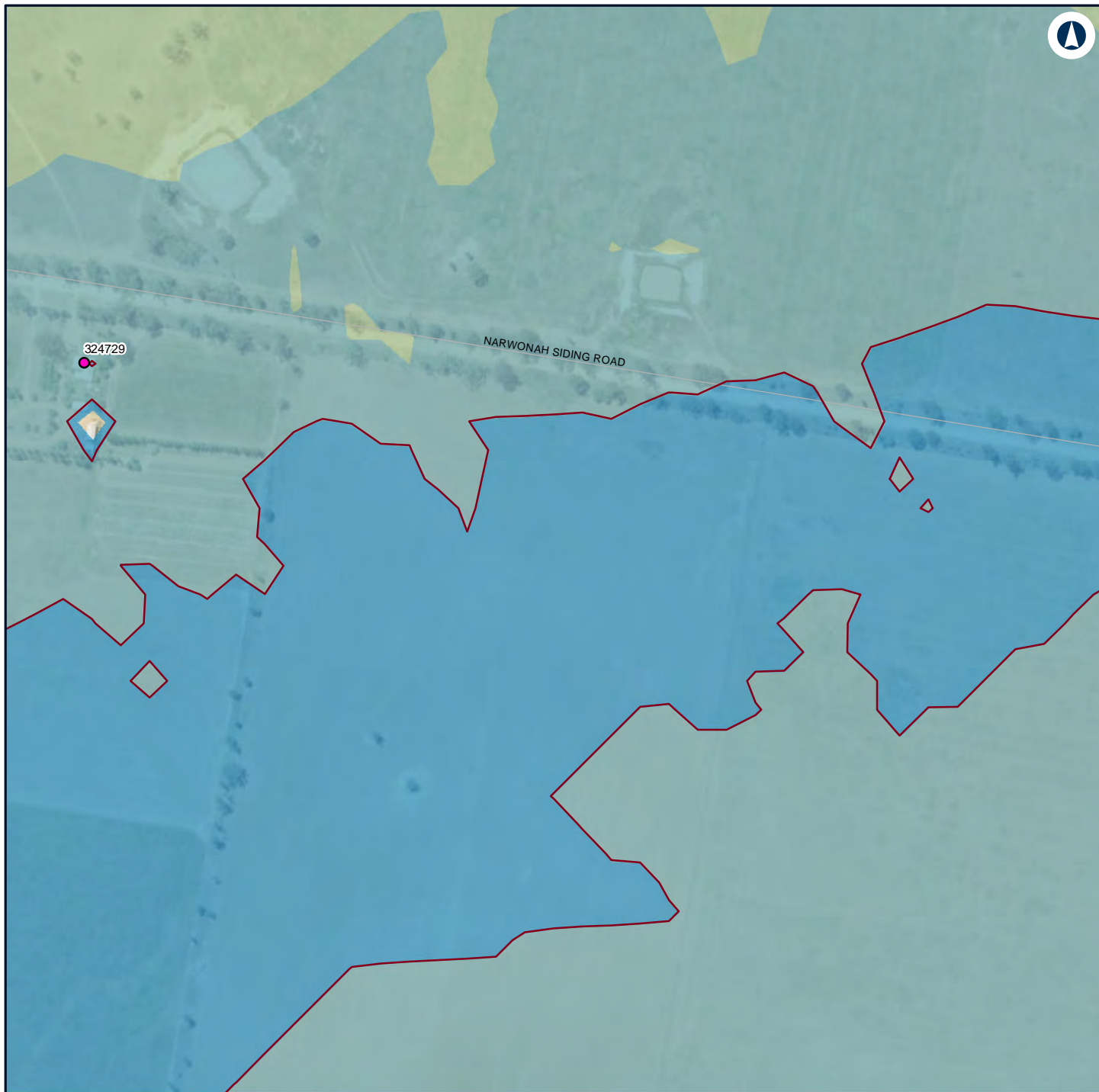
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

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Legend

— Night-time noise management level

Structure type

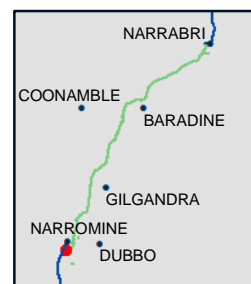
● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 21 of 249

0 0.1 0.2
Km

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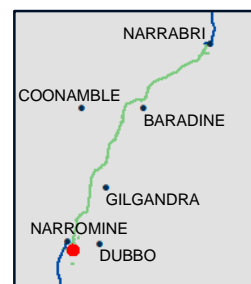
Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 22 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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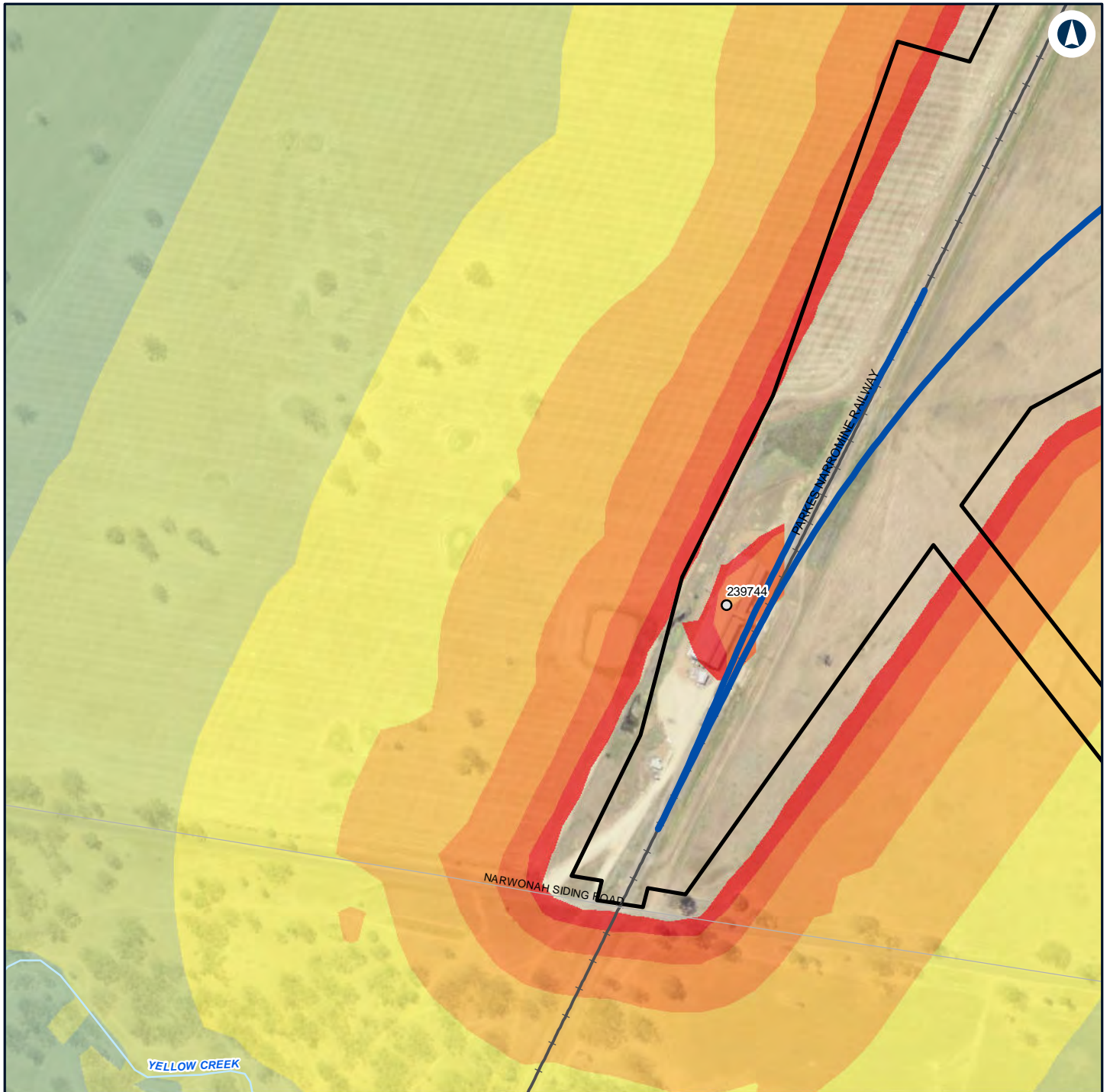
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Structure type
- Commercial/Industrial

Noise level (dBA L_{Aeq} 15 minute)

- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60

- 60 - 65
- 65 - 70
- 70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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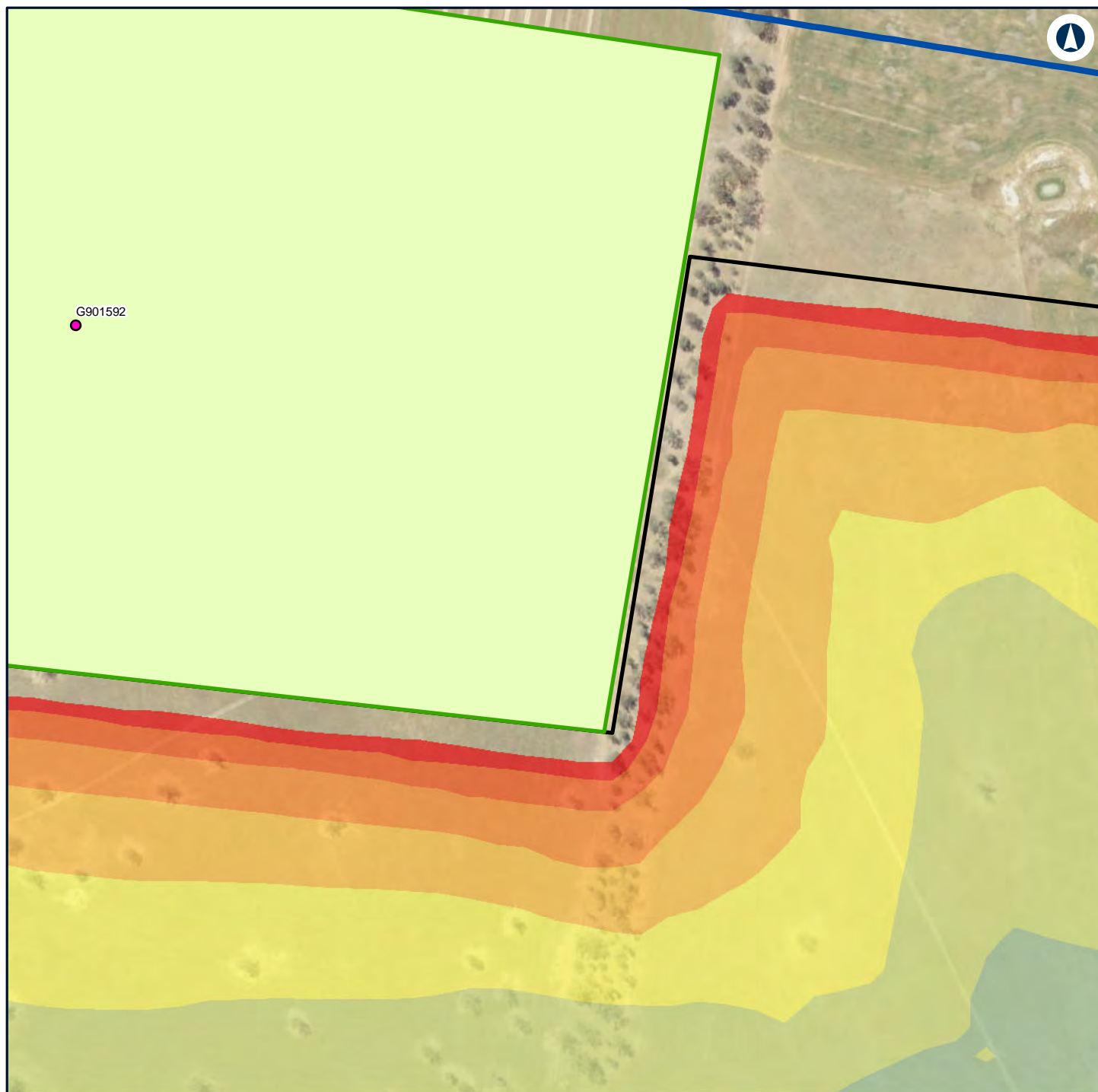
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Temporary workforce accommodation
- Structure type**
 - Residential

Noise level (dBA L_{Aeq} 15 minute)

- 40 - 45
- 45 - 50
- 50 - 55

- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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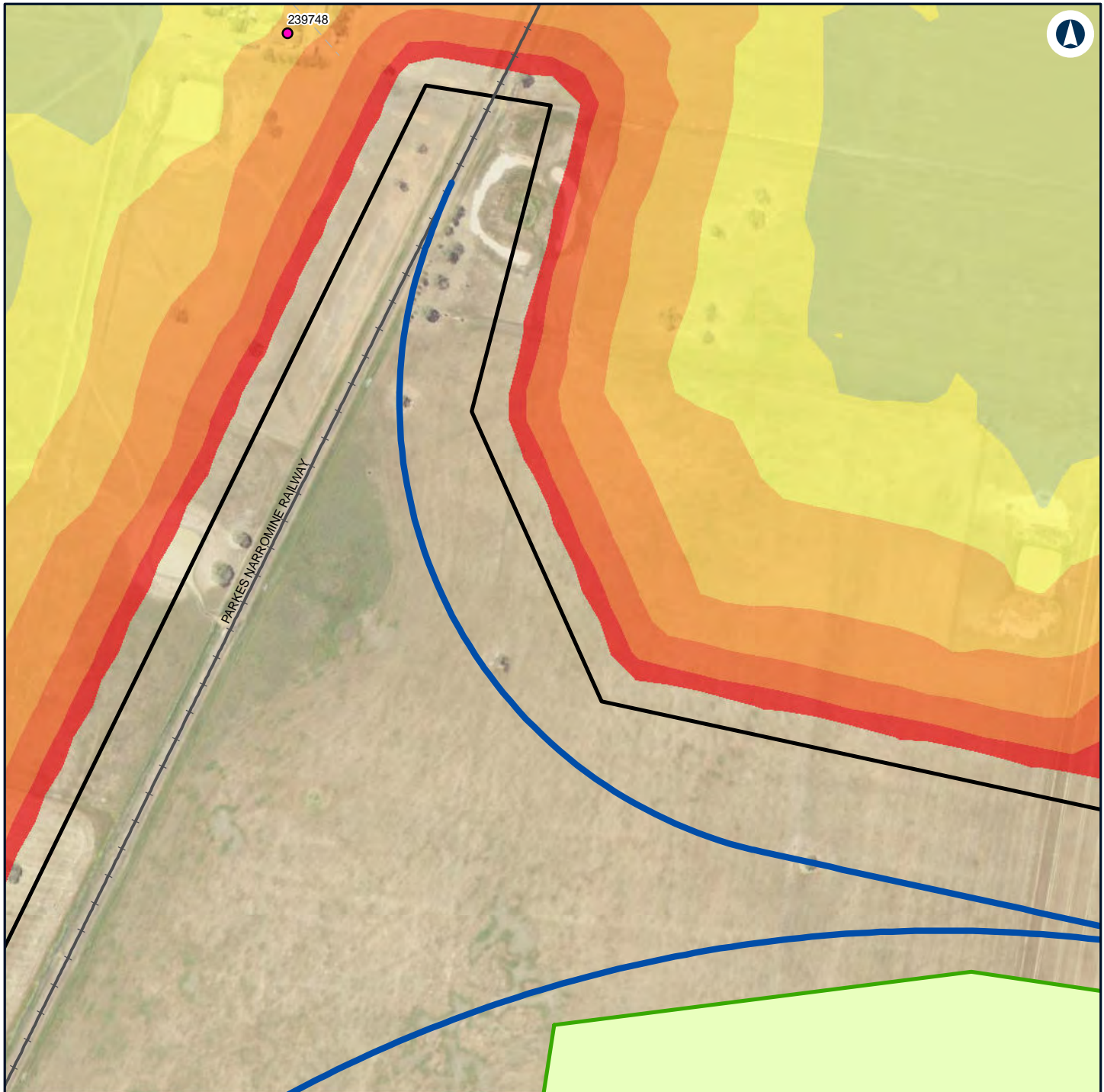
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Temporary workforce accommodation
- Residential
- 60 - 65
- 65 - 70
- 70 - 75

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 45 - 50
- 50 - 55
- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 26 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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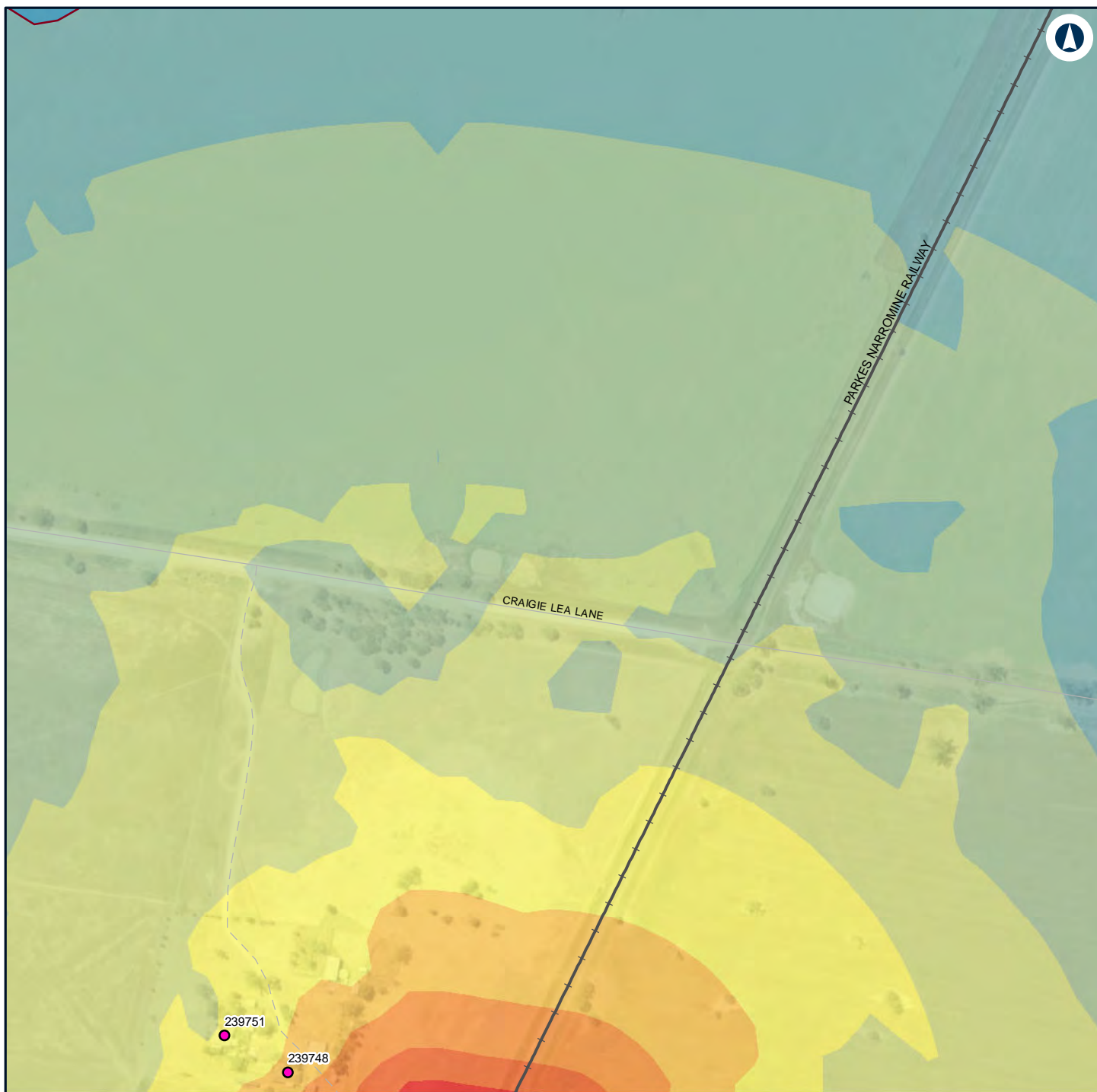
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50

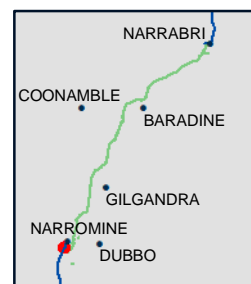
50 - 55

55 - 60

60 - 65

65 - 70

70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 27 of 249

0 0.1 0.2
Km

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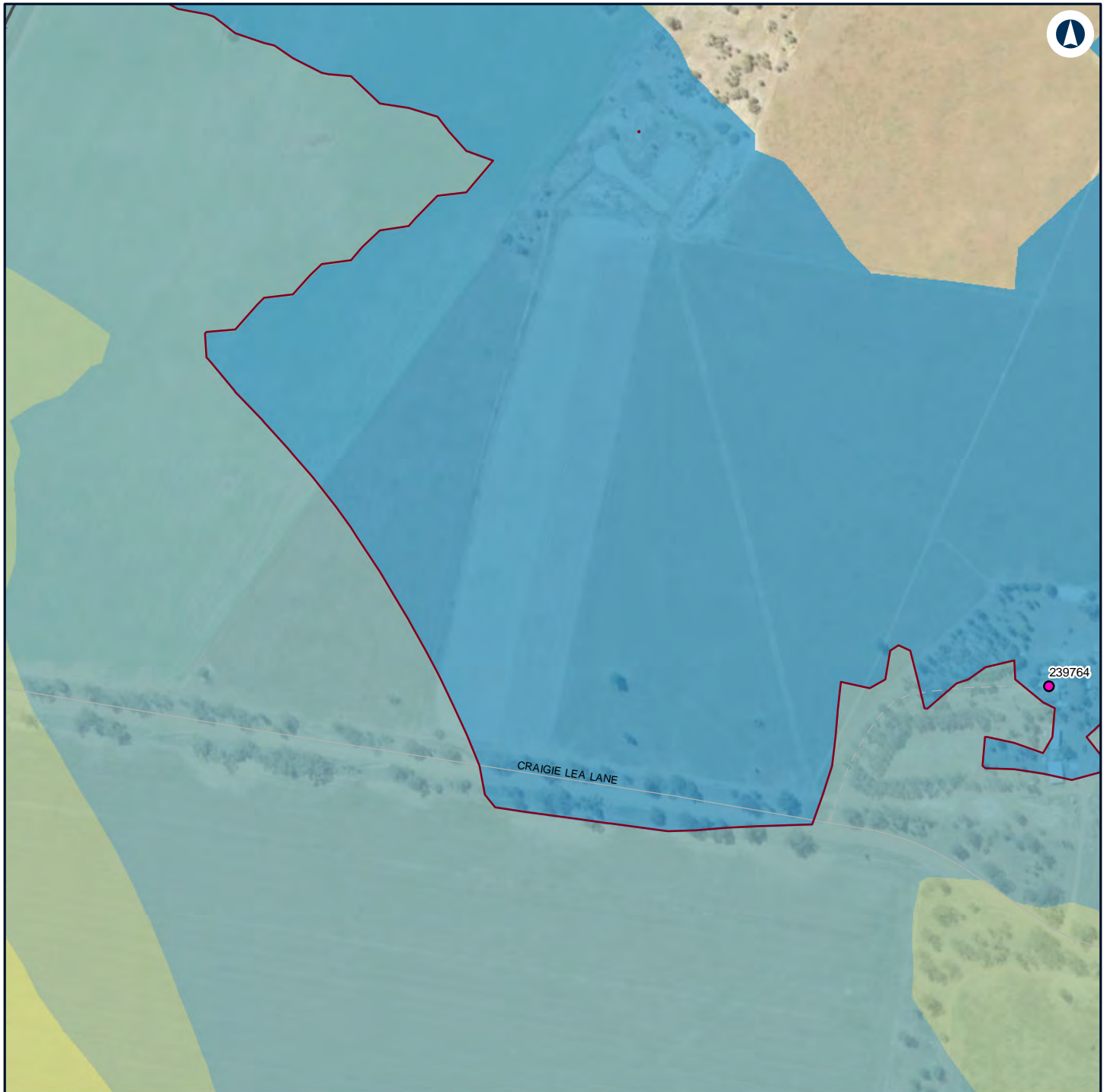
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

0 0.1 0.2 Km

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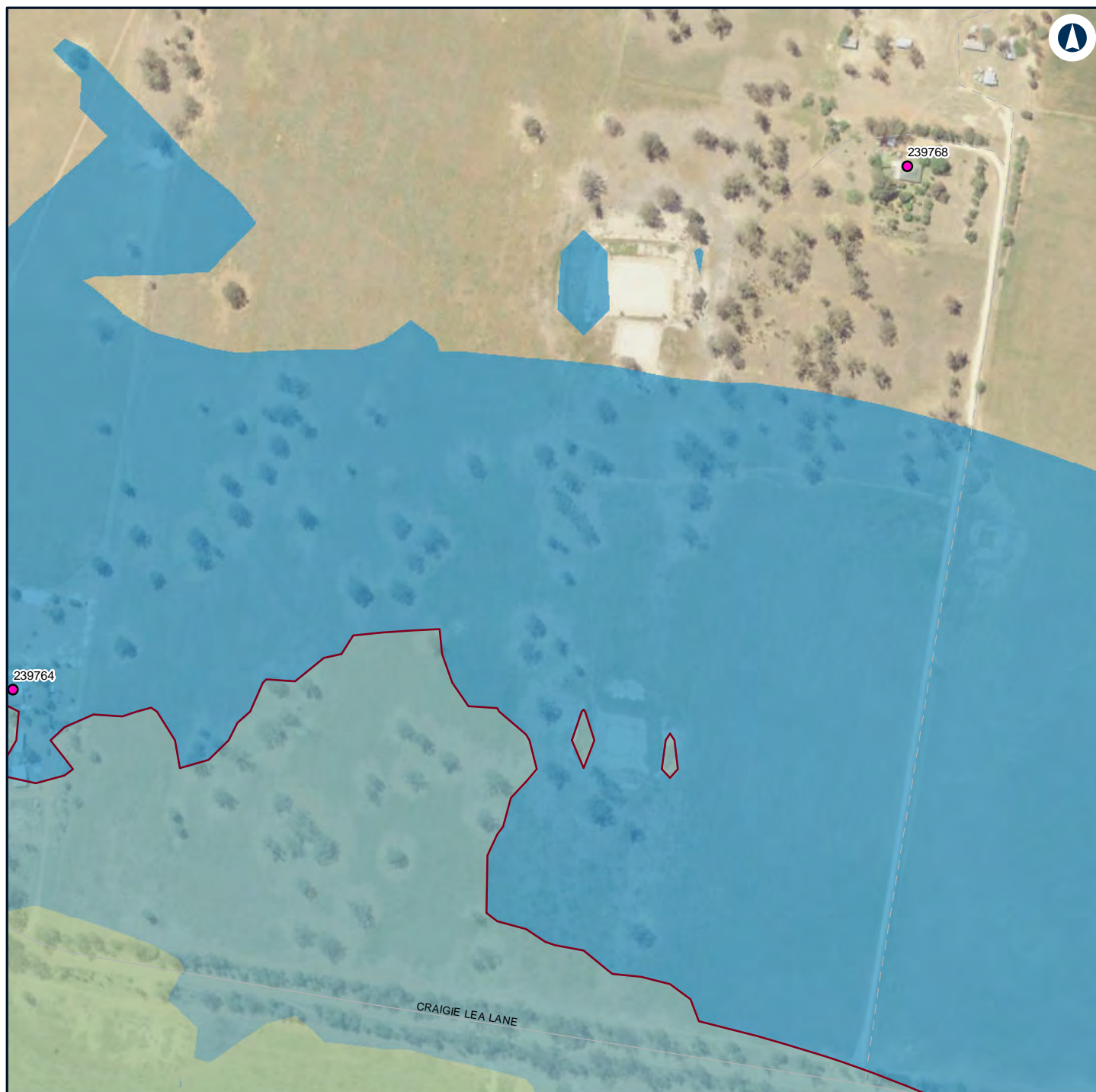
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

Construction noise contours, Construction Infrastructure (combined)

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Appendix H - Page 28 of 249



Legend

— Night-time noise management level

Structure type

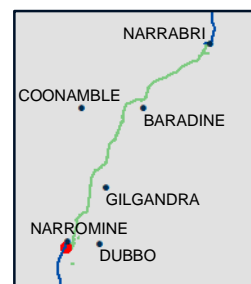
● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 29 of 249

0 0.1 0.2
Km

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 30 of 249

0 0.1 0.2
Km

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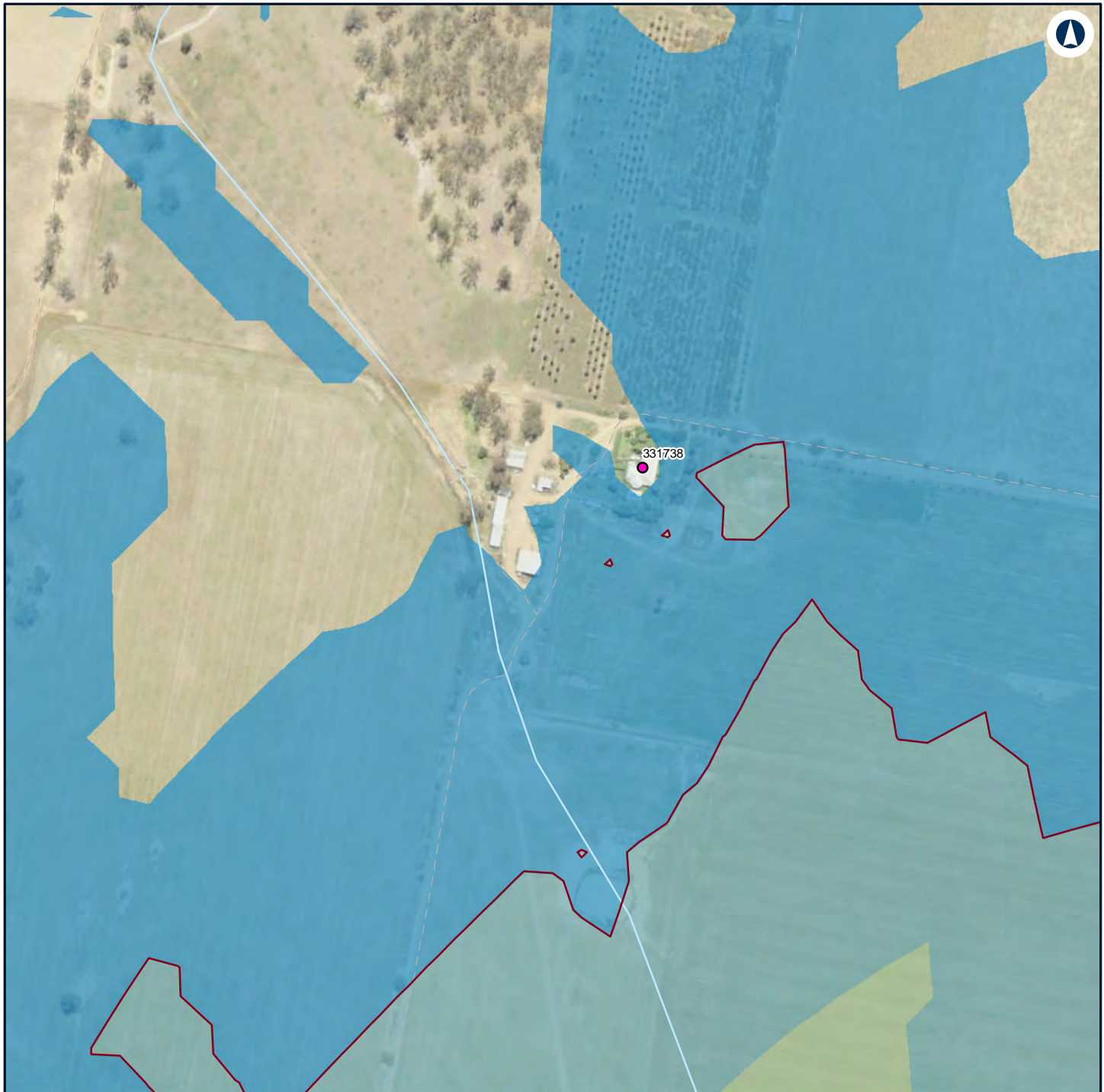
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 31 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

■ 30 - 35



NARROMINE TO NARRABRI

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Construction noise contours, Construction Infrastructure (combined)

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Legend

— Night-time noise management level

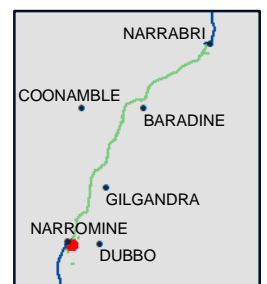
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 33 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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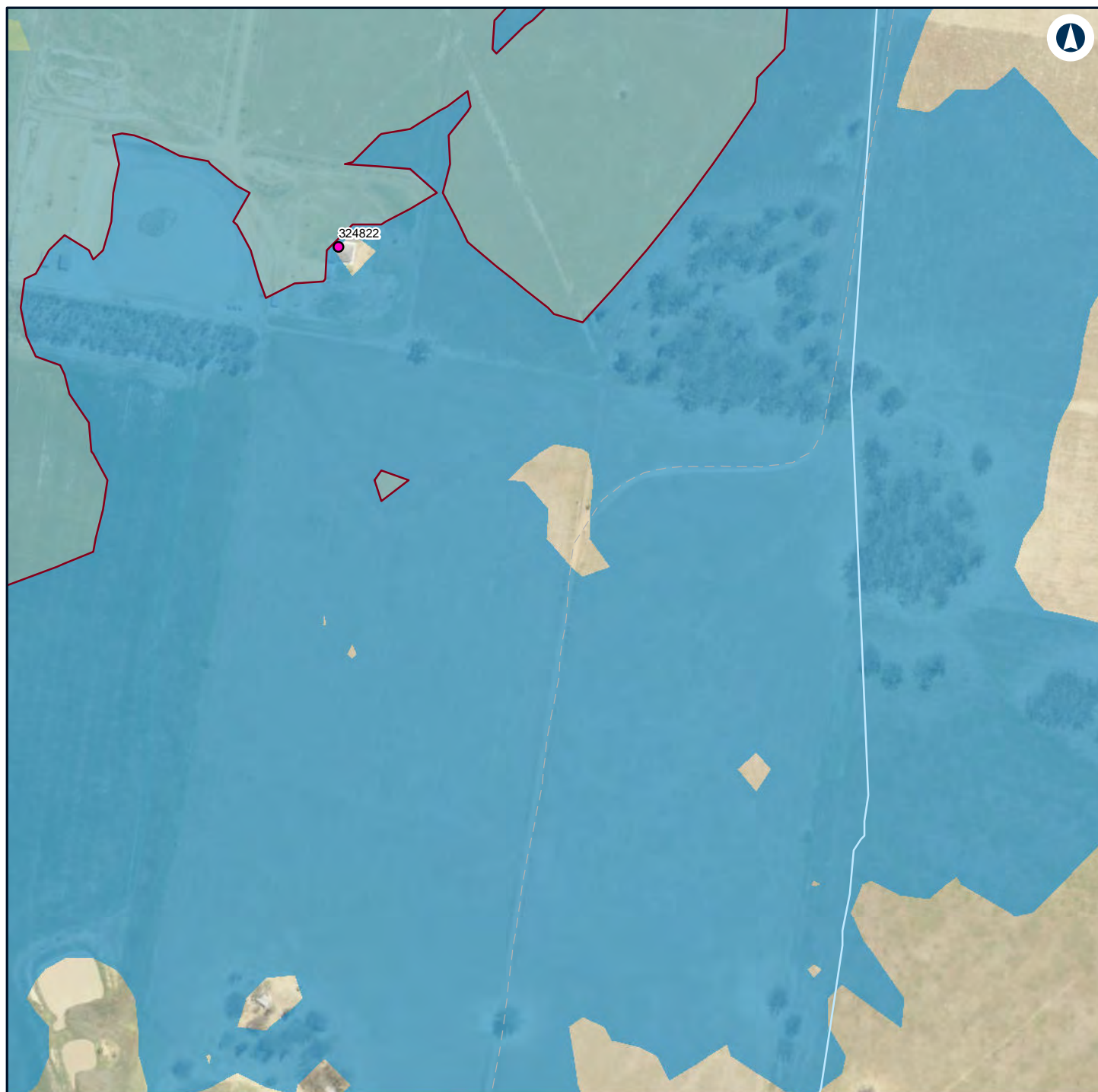
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Legend

— Night-time noise management level

Structure type

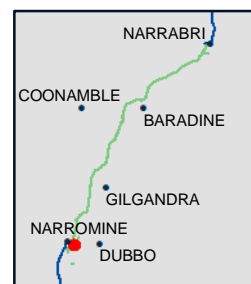
● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 34 of 249

0 0.1 0.2
Km

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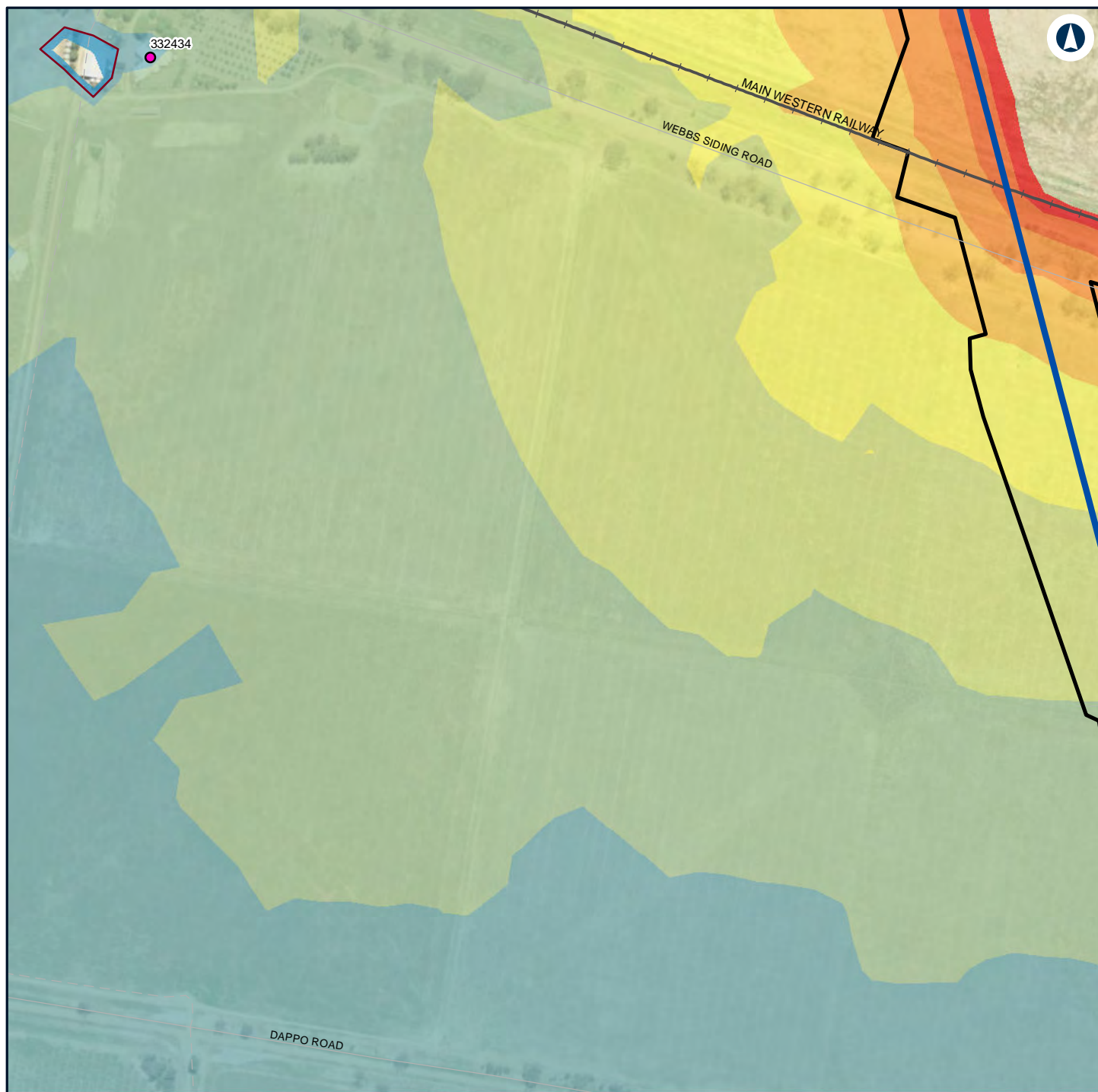
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Legend

Construction footprint

Night-time noise management level

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 35 of 249

0 0.1 0.2
Km

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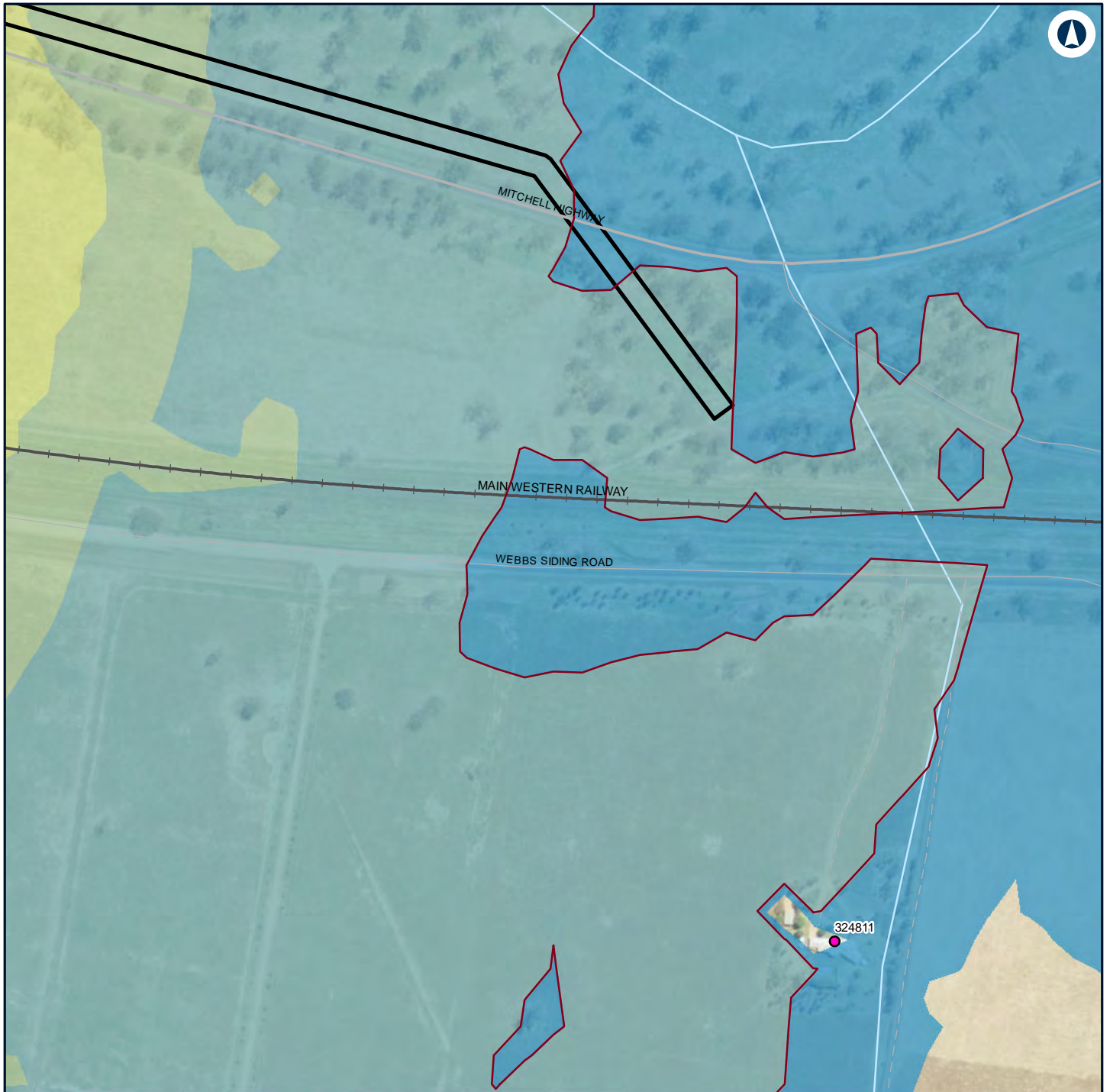
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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 36 of 249

0 0.1 0.2
Km

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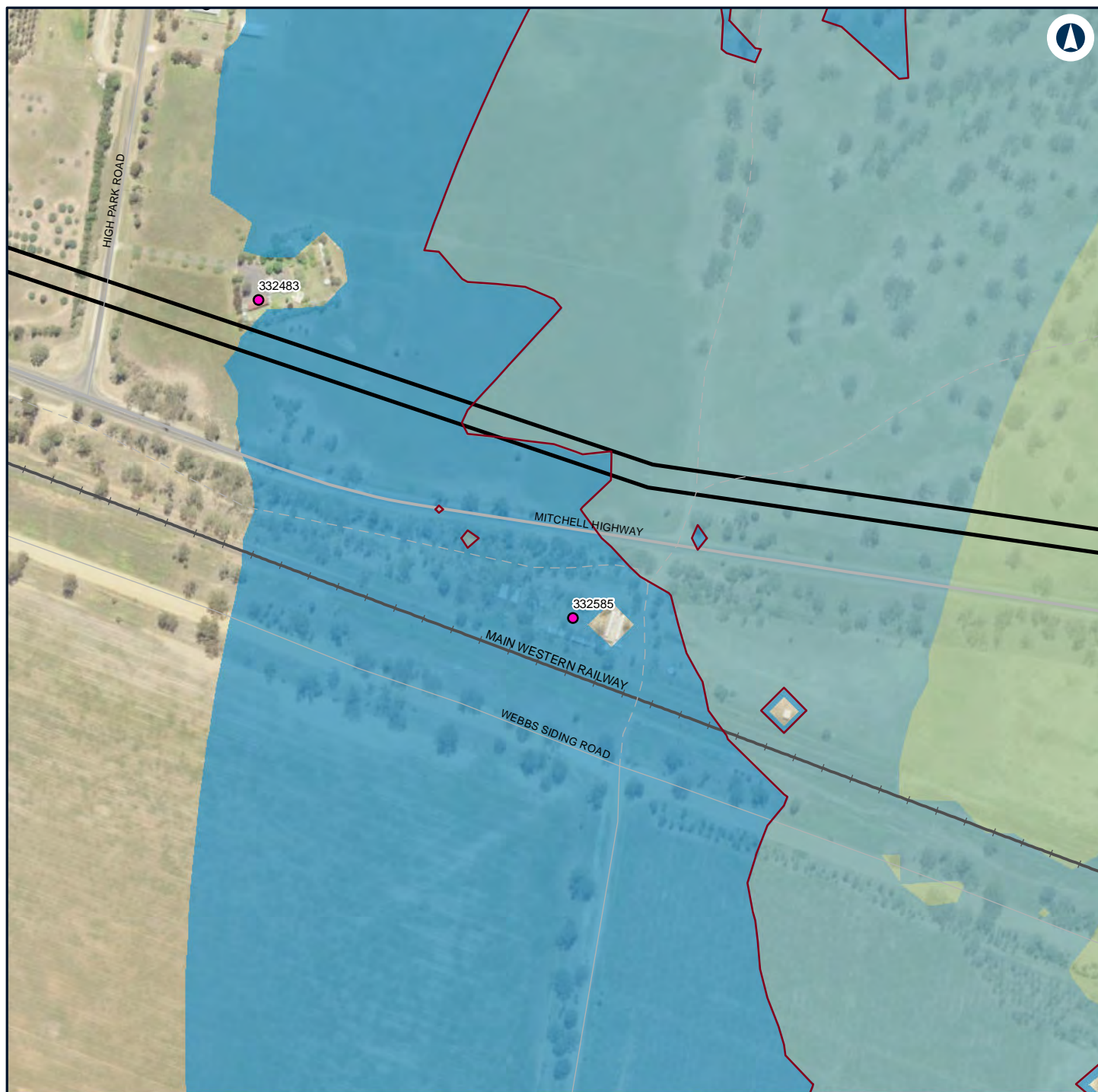
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 37 of 249

0 0.1 0.2
Km

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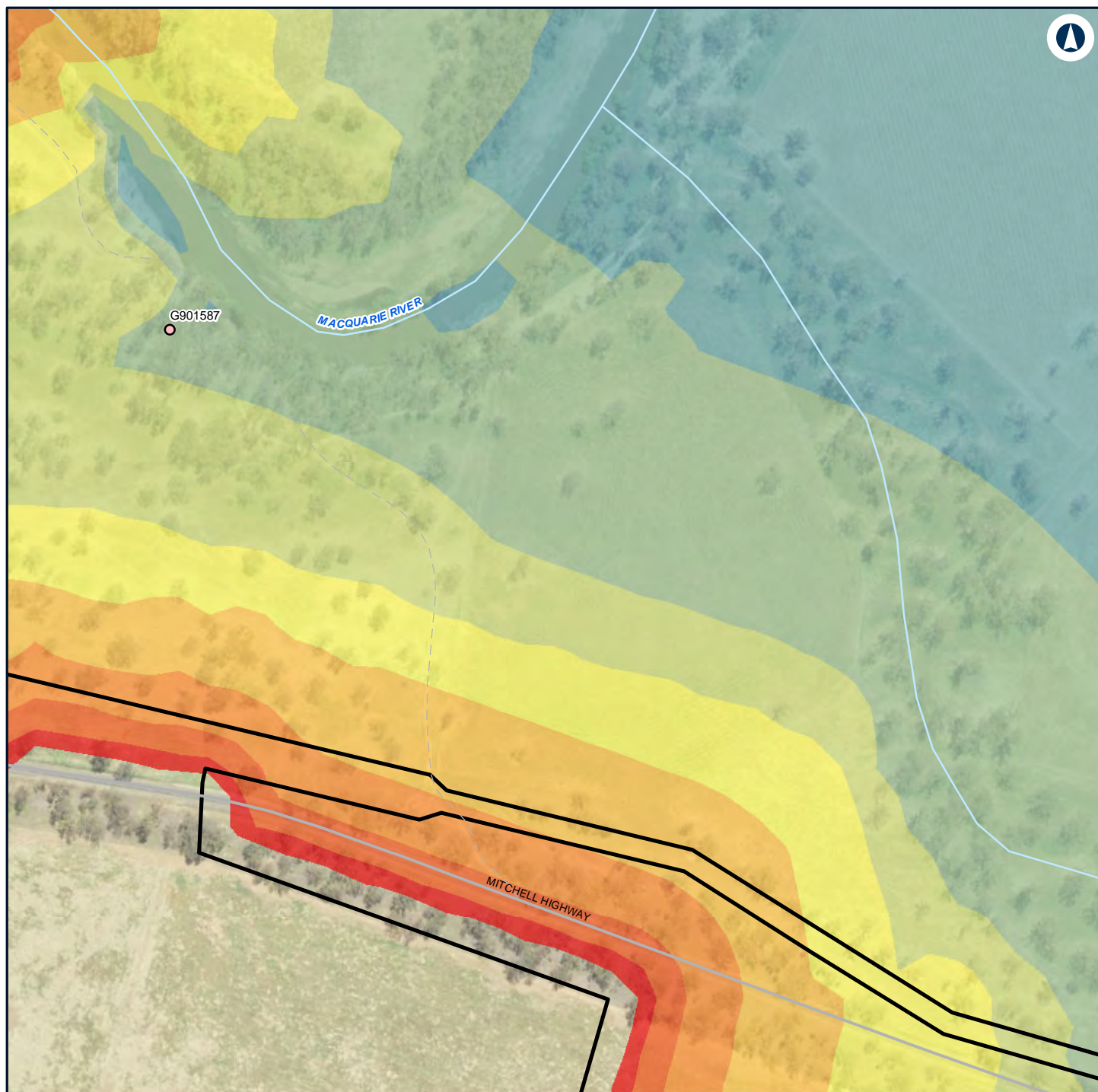
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

Construction footprint	55 - 60
Structure type	60 - 65
Passive recreation	65 - 70
Noise level (dBA L_{Aeq} 15 minute)	70 - 75
35 - 40	
40 - 45	
45 - 50	
50 - 55	



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 38 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 39 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 40 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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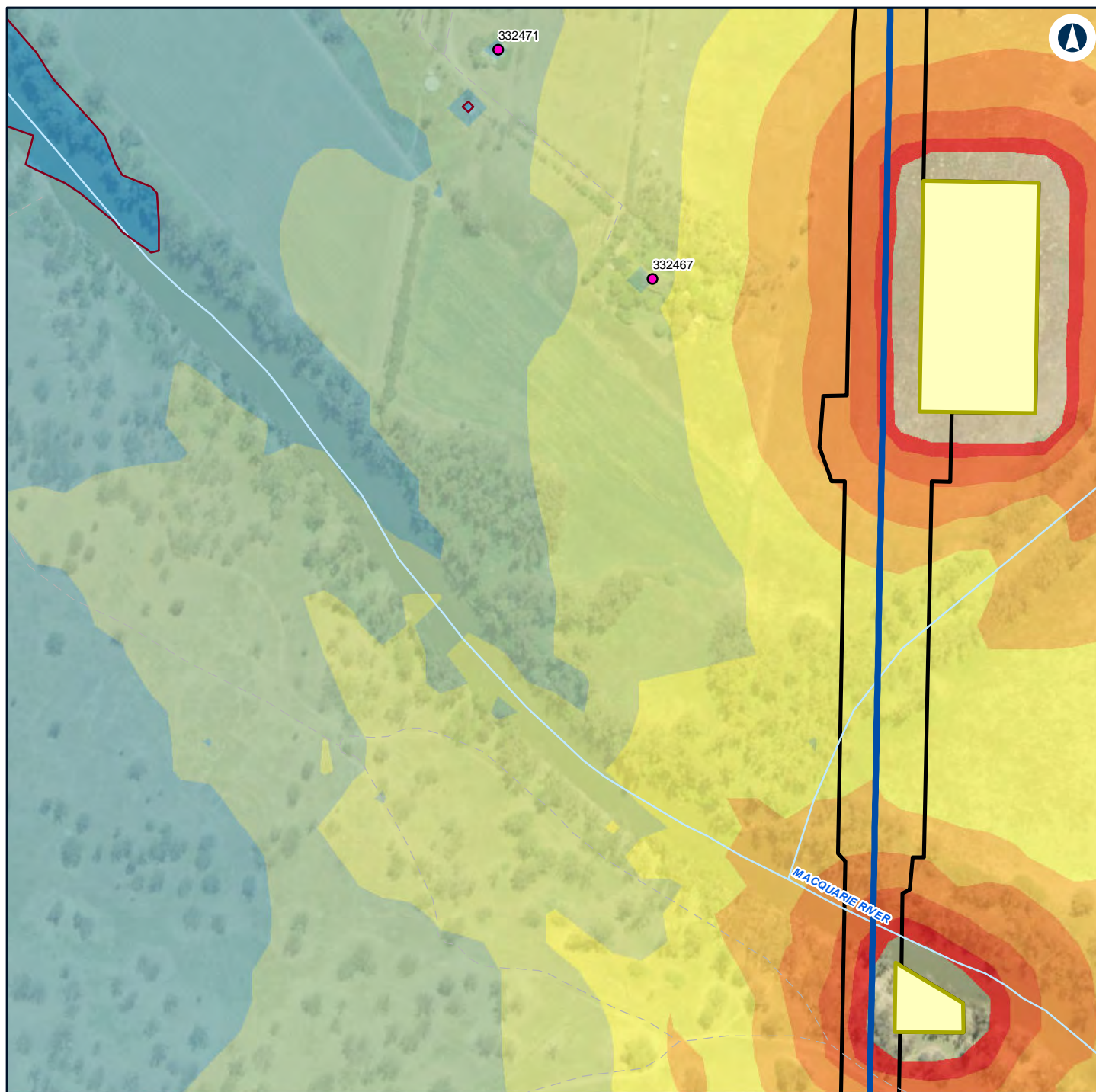
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Legend

- Construction footprint
- Minor Compound
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50

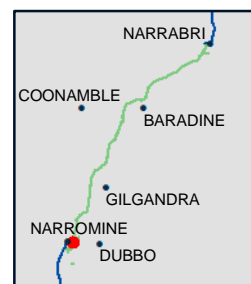
50 - 55

55 - 60

60 - 65

65 - 70

70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 16/07/2020

Paper: A4

Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Author: GHD
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

Construction noise contours, Construction Infrastructure (combined)

INLAND RAIL

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Legend

— Night-time noise management level

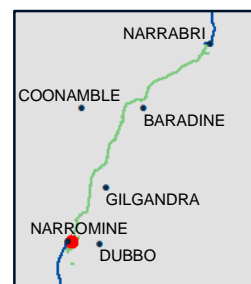
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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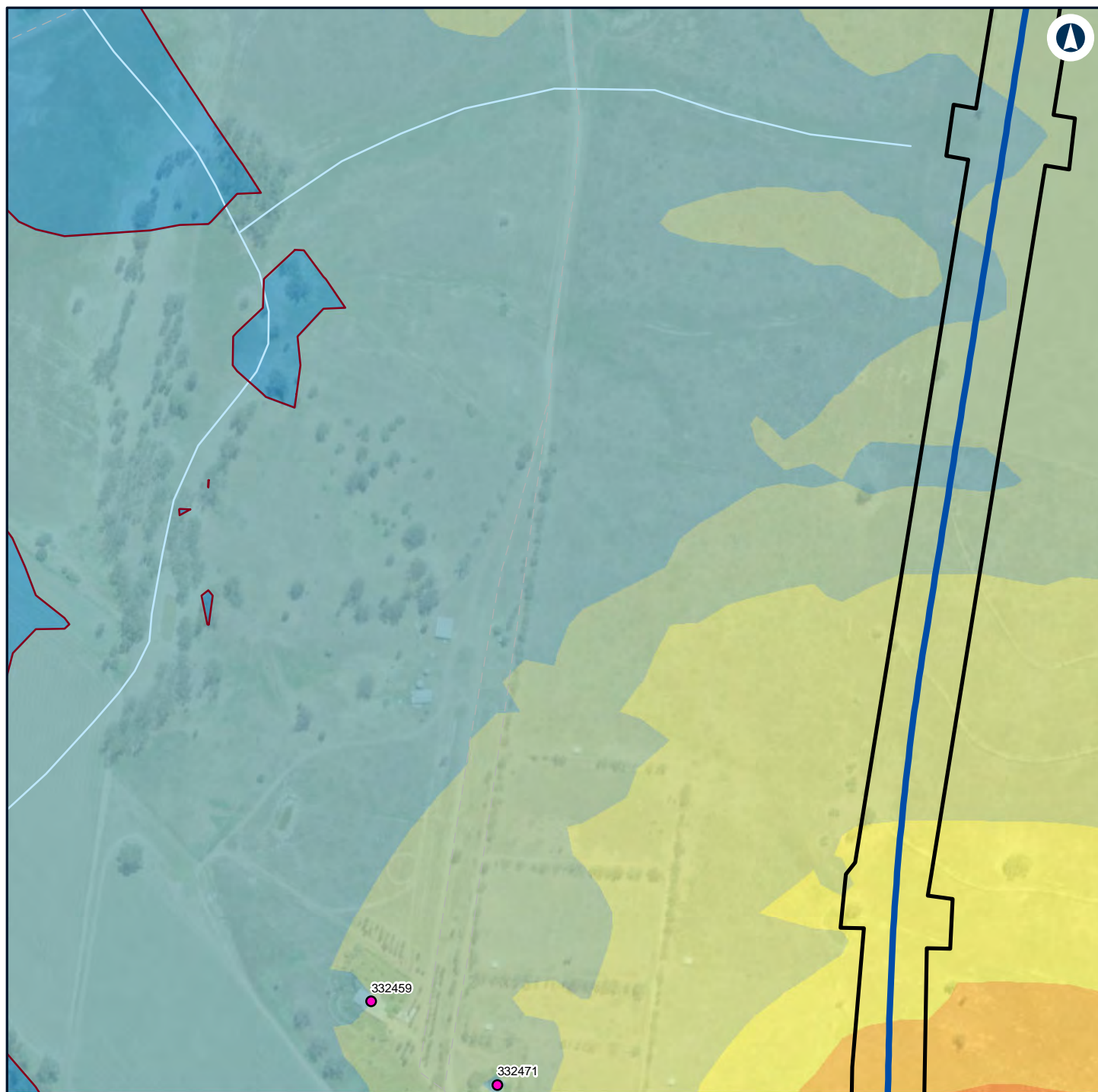
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

Construction footprint

Night-time noise management level

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

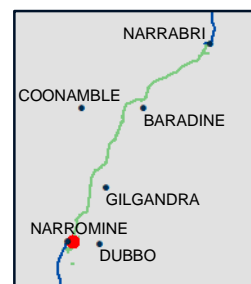
40 - 45

45 - 50

50 - 55

55 - 60

60 - 65



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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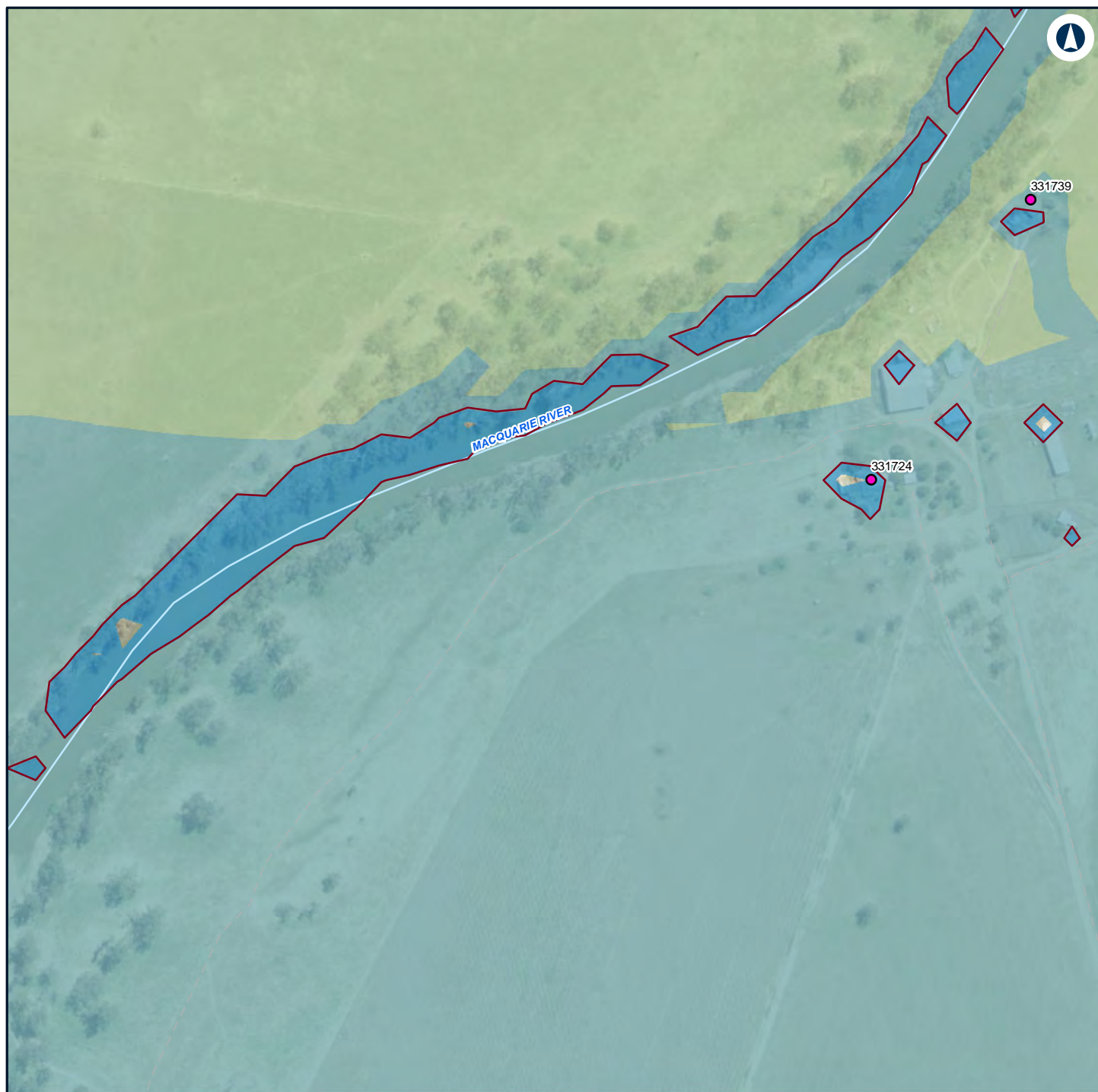
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 45 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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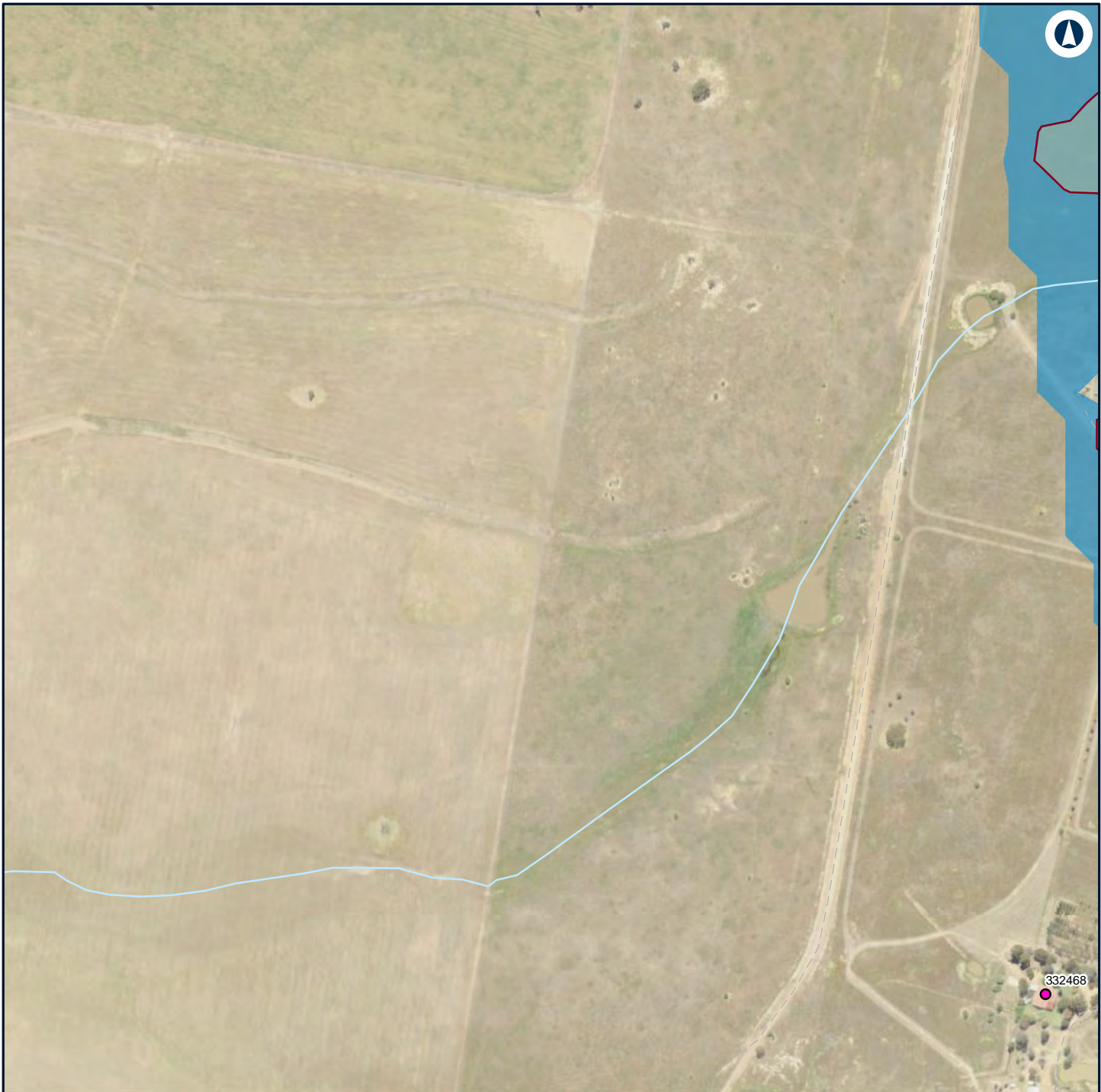
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



00.10.2
Km

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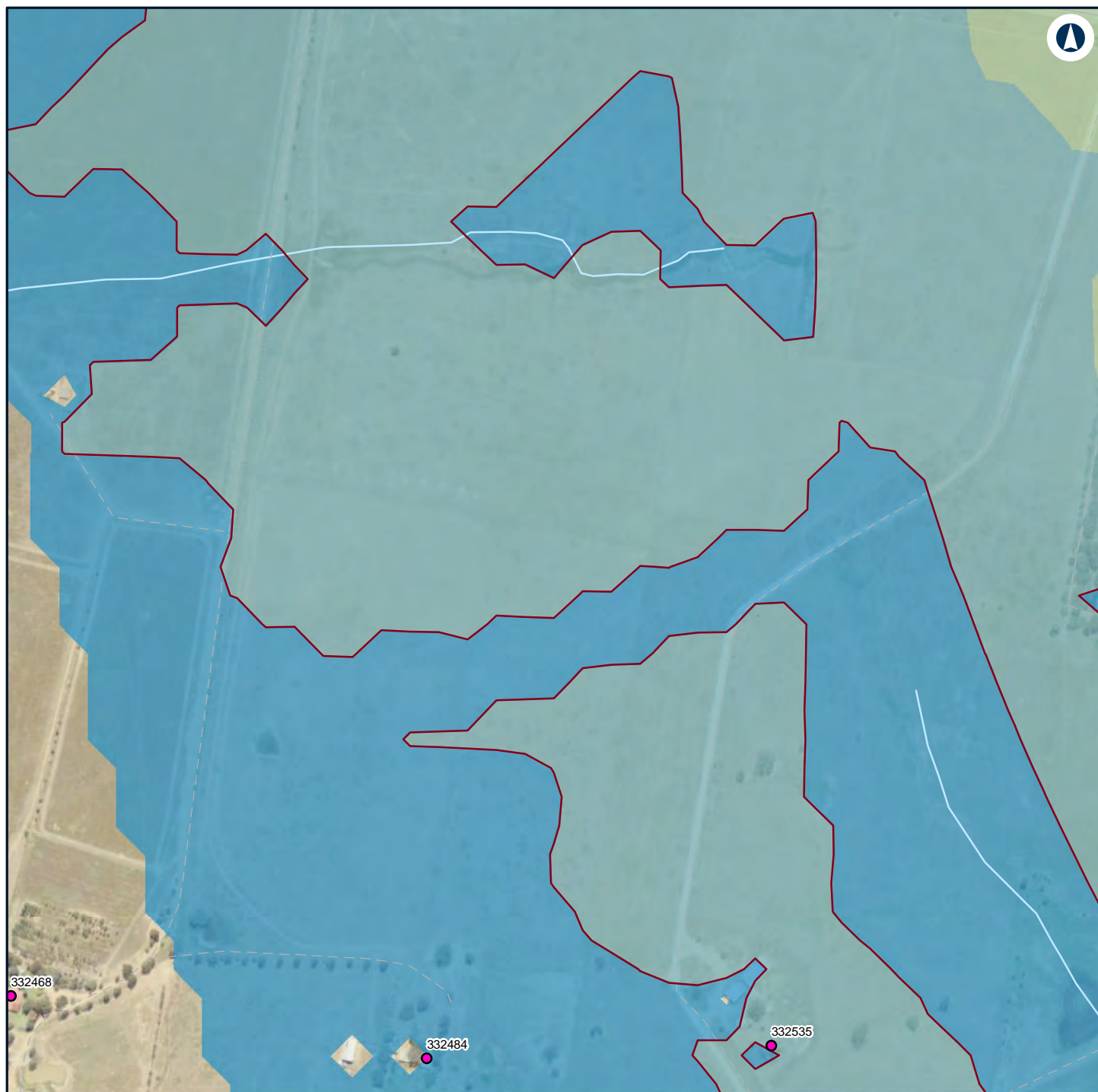
Date: 16/07/2020
Author: GHD
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

Paper: A4
Scale: 1:5,000

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 47 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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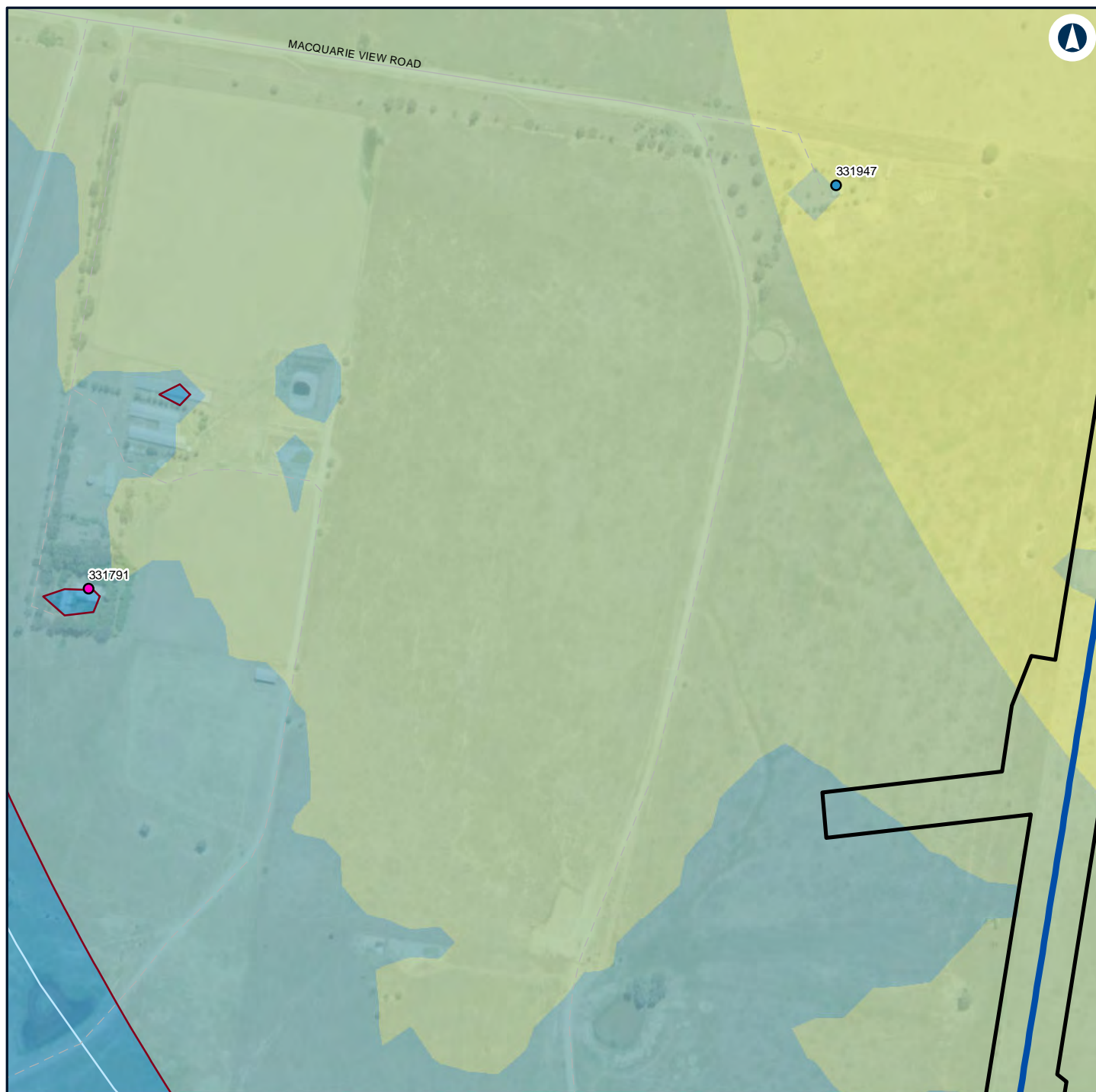
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

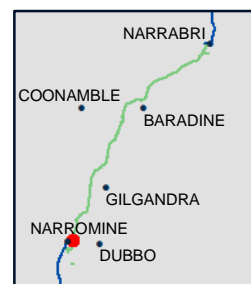
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Structure type

- Active recreation
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 48 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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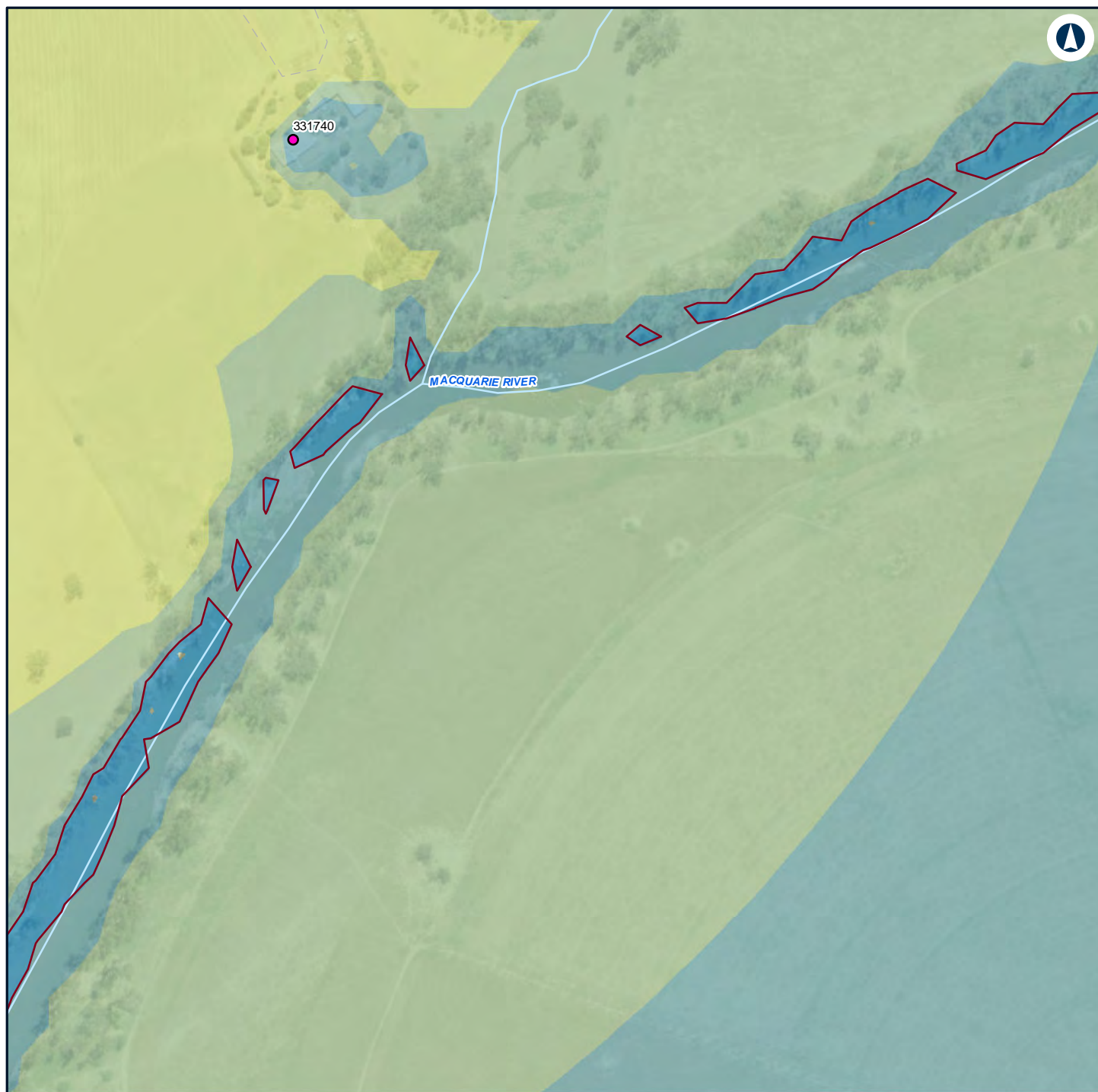
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 49 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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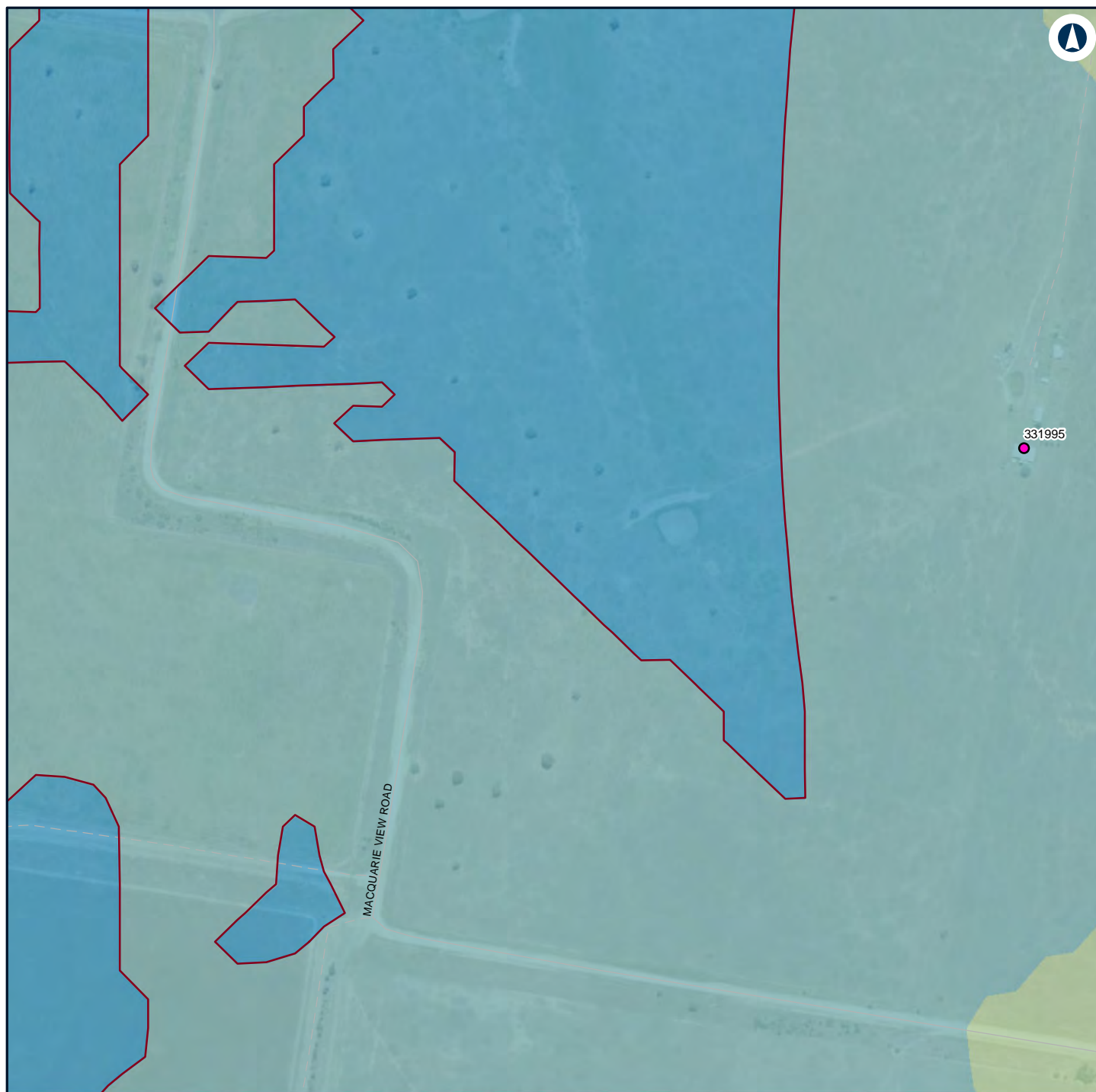
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

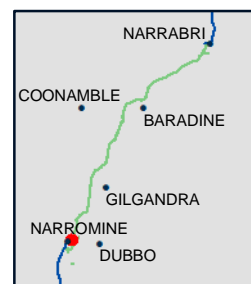
● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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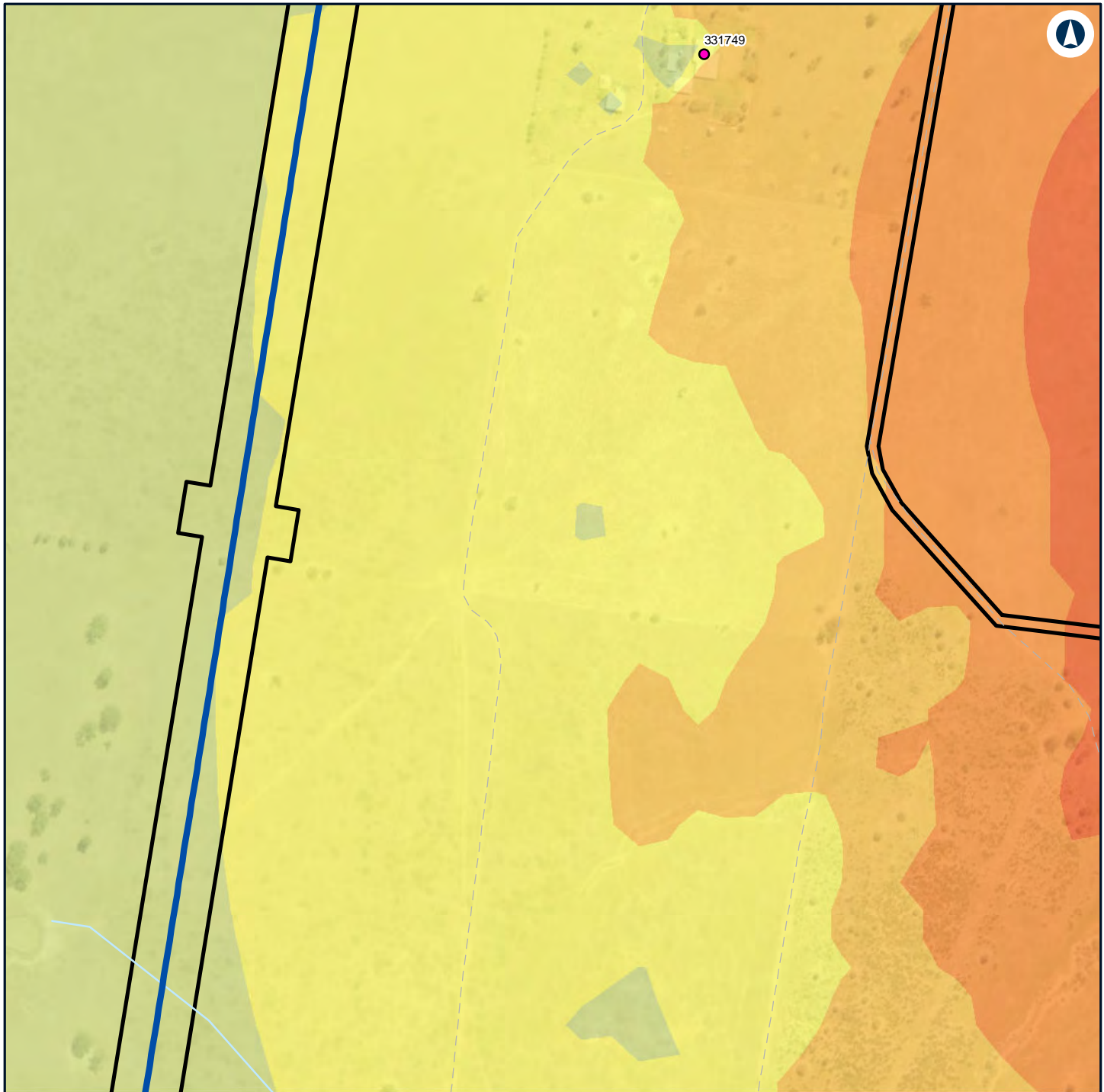
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

Construction footprint 65 - 70

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

45 - 50

50 - 55

55 - 60

60 - 65



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 51 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Paper: A4

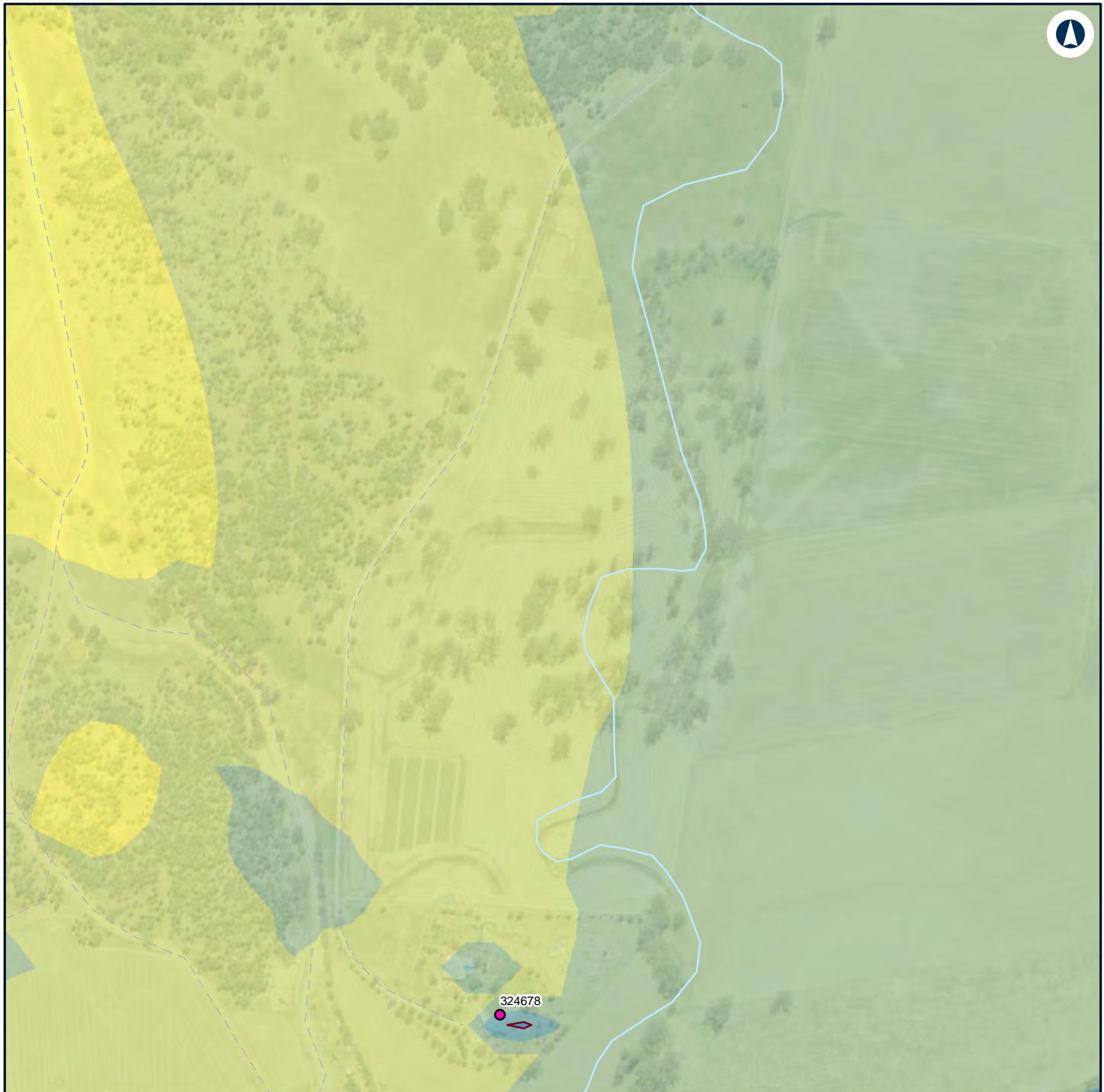
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level 50 - 55

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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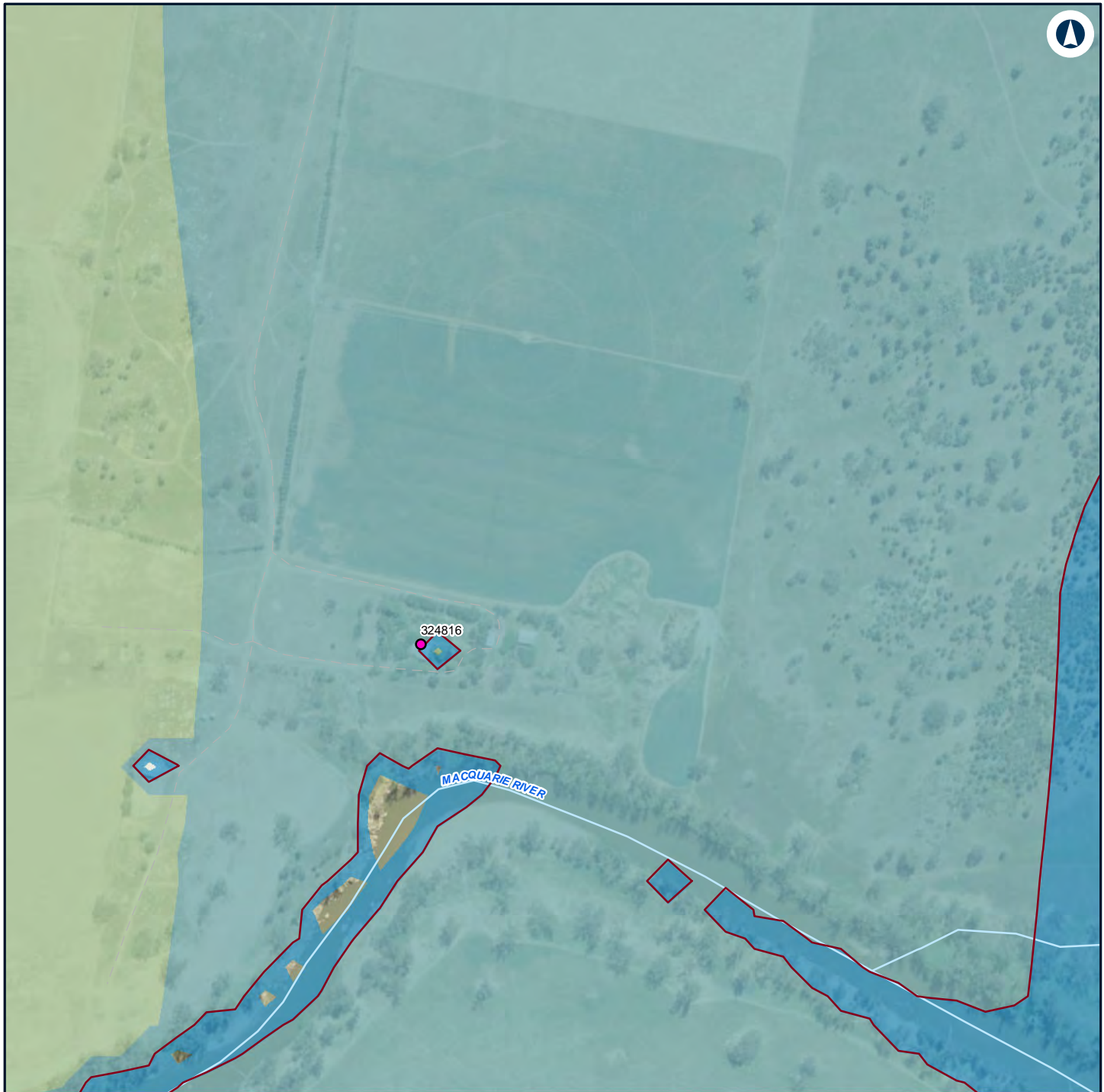
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 53 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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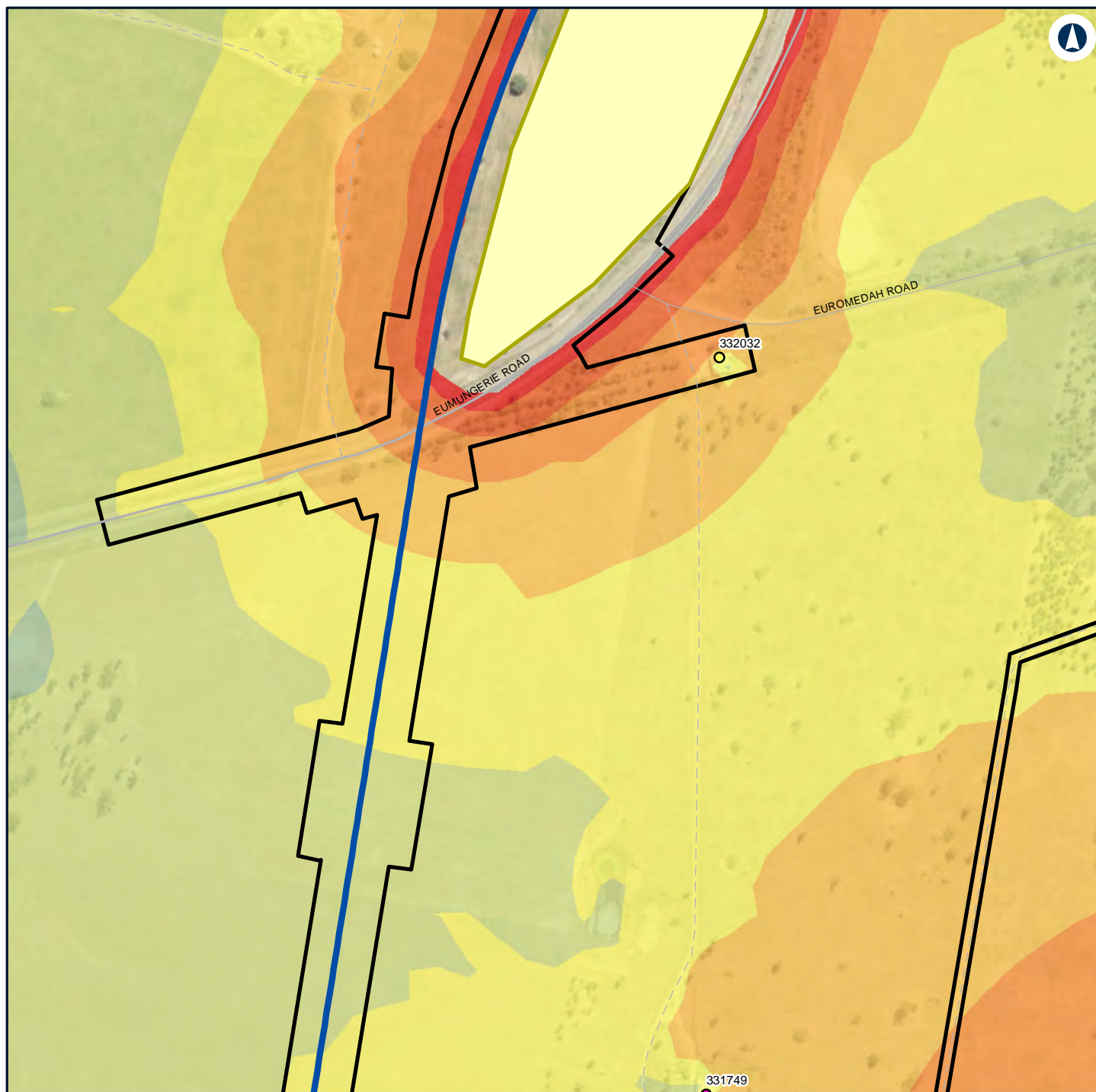
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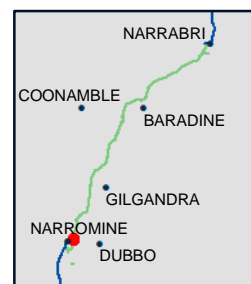
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Legend

	Construction footprint		45 - 50
	General Compound		50 - 55
Structure type			
	Community		55 - 60
	Residential		60 - 65
Noise level (dBA L_{Aeq} 15 minute)			
	30 - 35		65 - 70
	40 - 45		70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 54 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 55 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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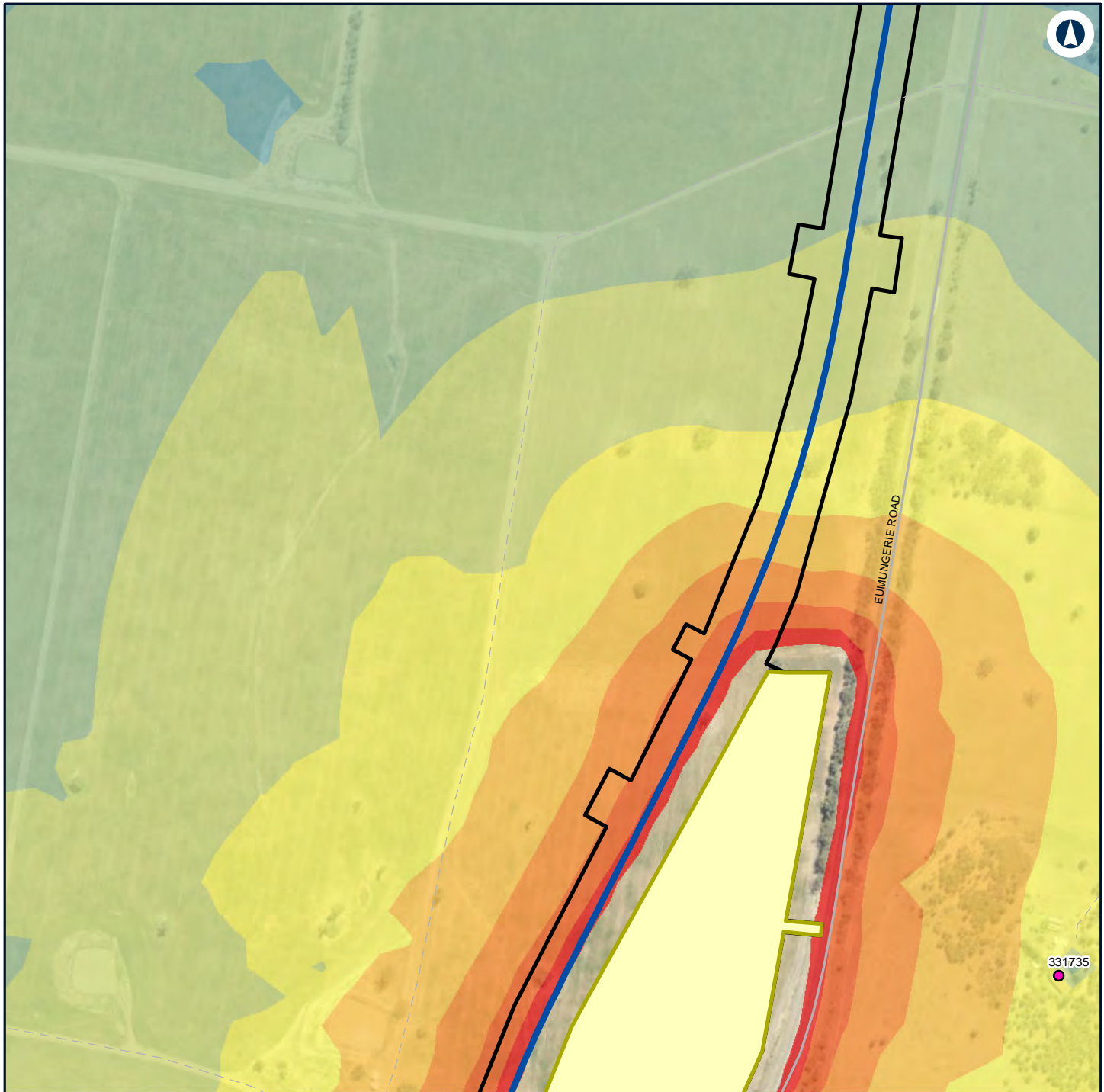
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- General Compound
- Structure type**
 - Residential
- Noise level (dBA L_{Aeq} 15 minute)**
 - 30 - 35
 - 35 - 40
 - 40 - 45
 - 45 - 50
 - 50 - 55
 - 55 - 60
 - 60 - 65
 - 65 - 70
 - 70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 56 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 57 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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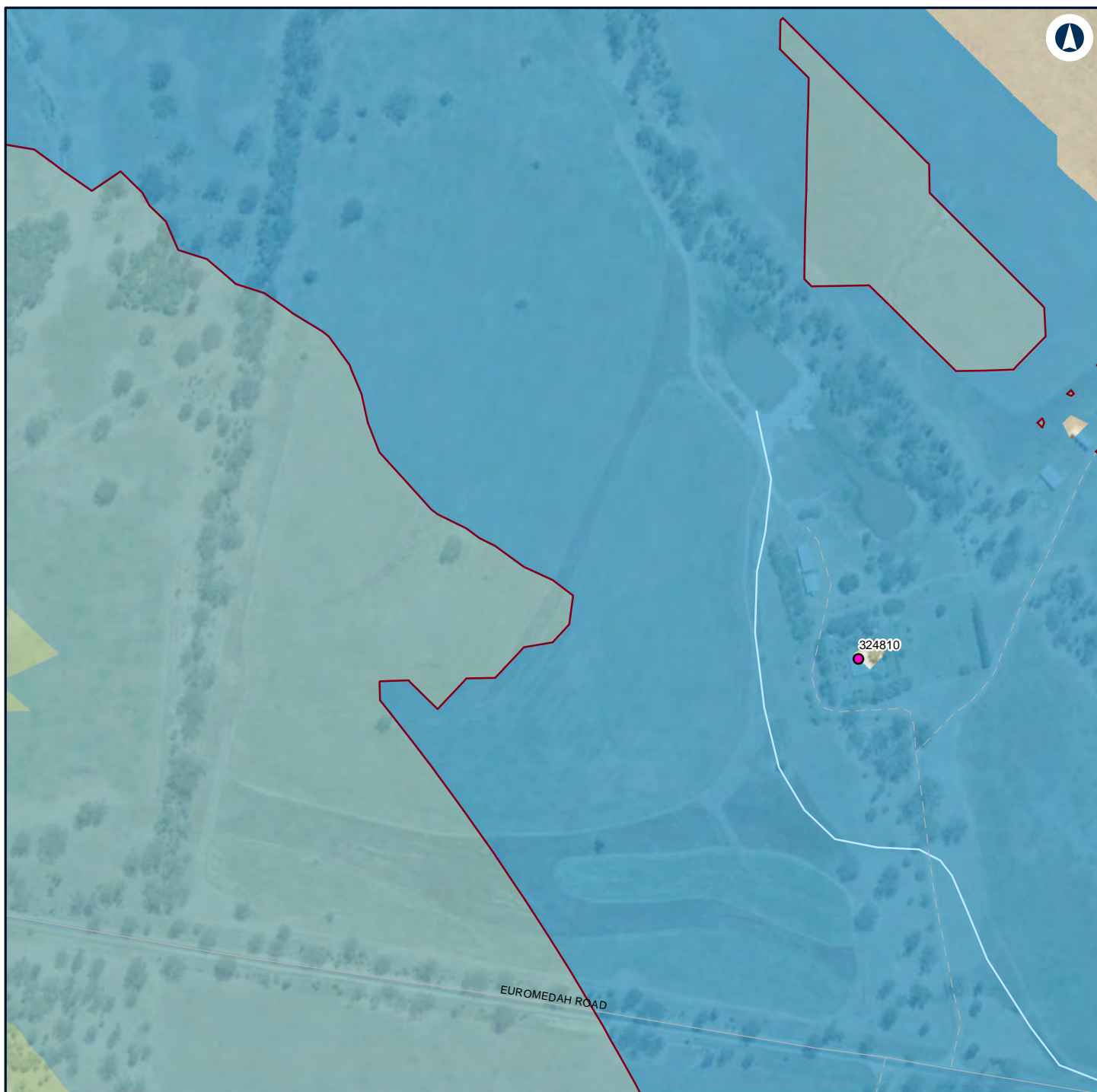
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

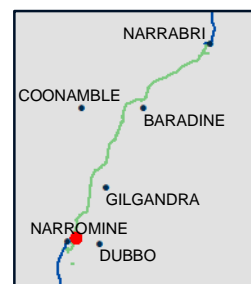
● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 58 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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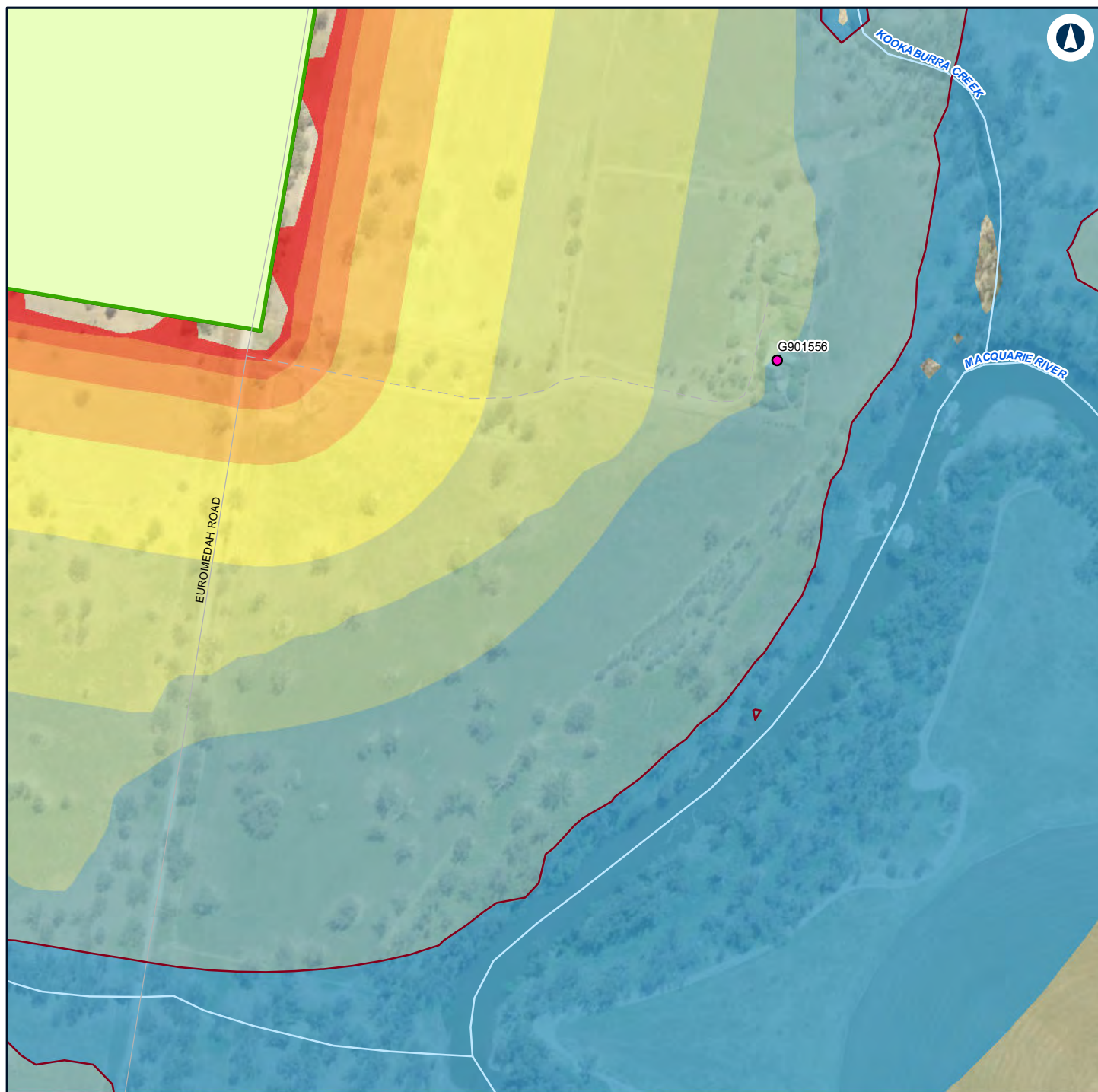
Author: GHD

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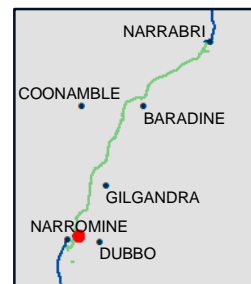
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Legend

- Construction footprint
- Temporary workforce accommodation
- Night-time noise management level
- Structure type**
- Residential
- Noise level (dBA L_{Aeq} 15 minute)**
- 30 - 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 59 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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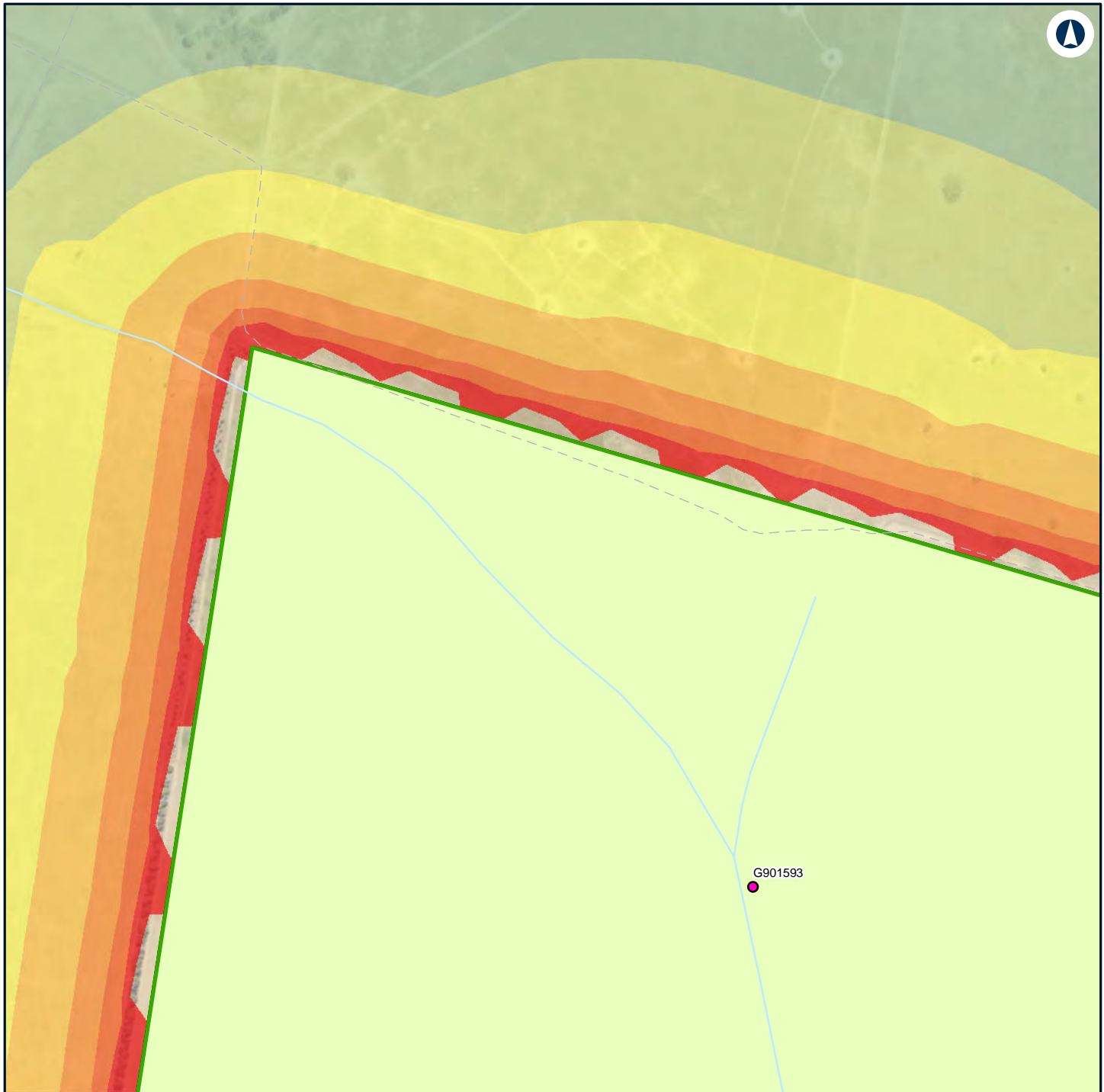
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

Construction footprint

Temporary workforce accommodation

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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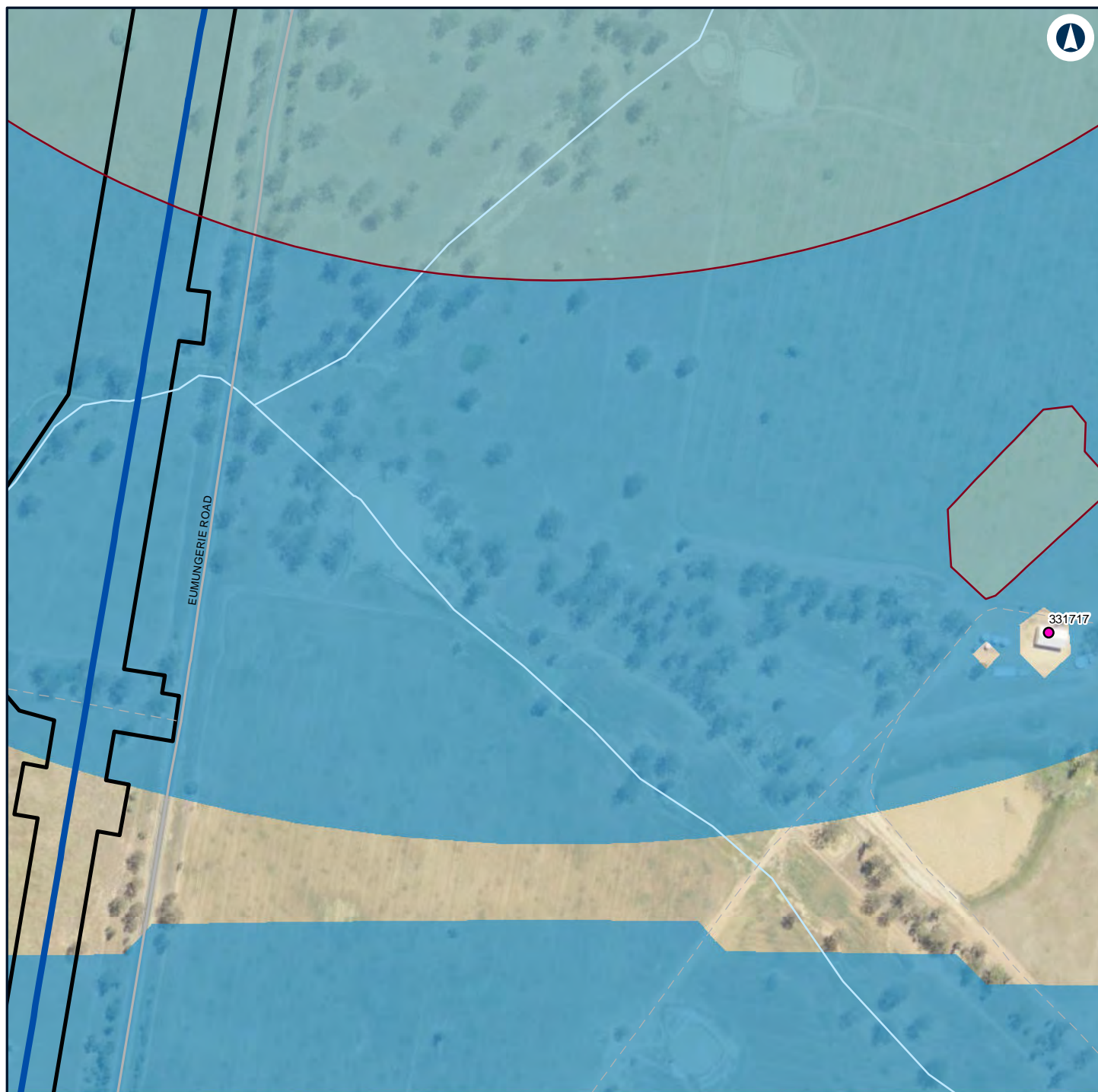
Author: GHD

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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC) in partnership with the private sector.



Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 16/07/2020

Paper: A4

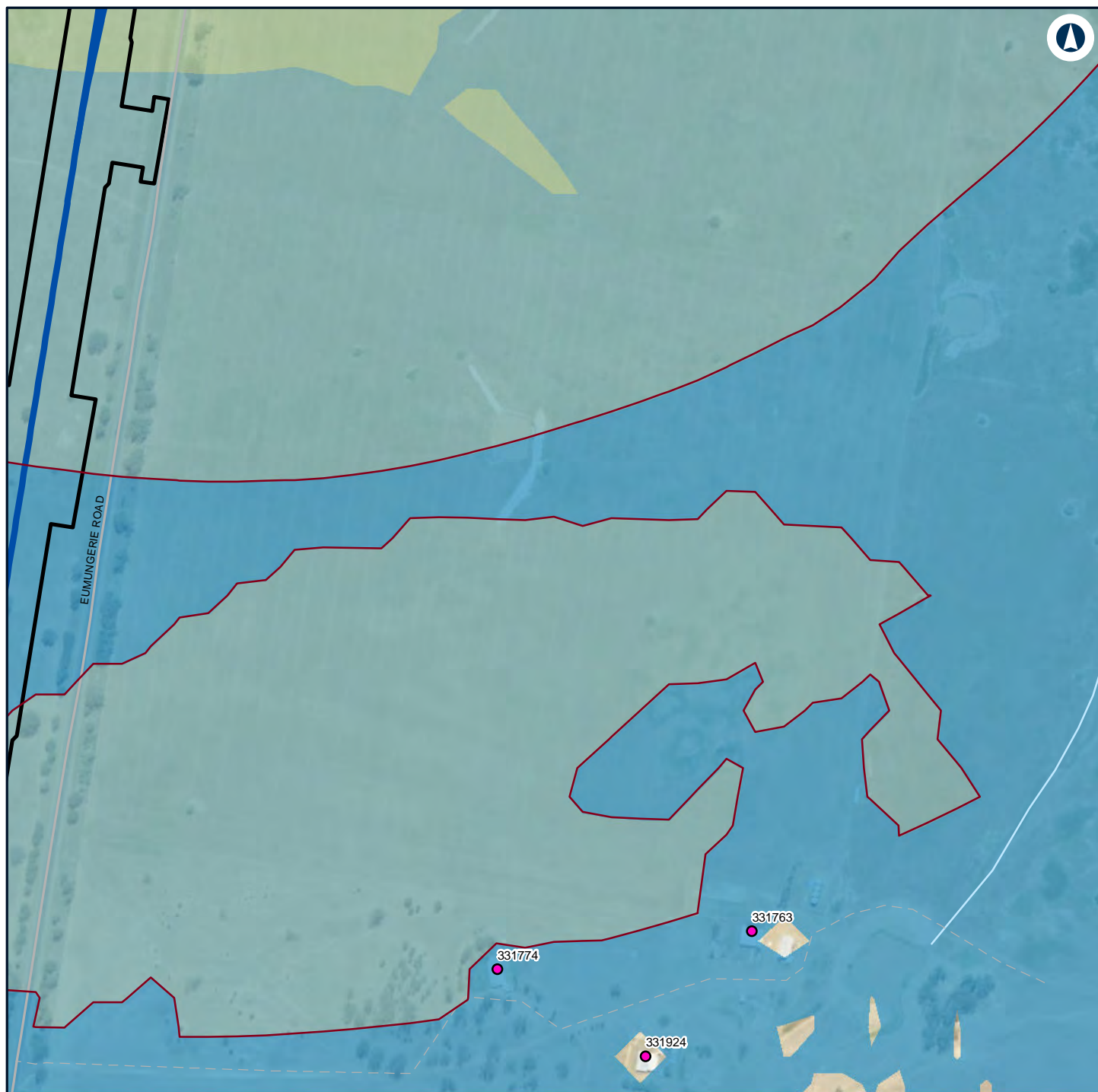
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 62 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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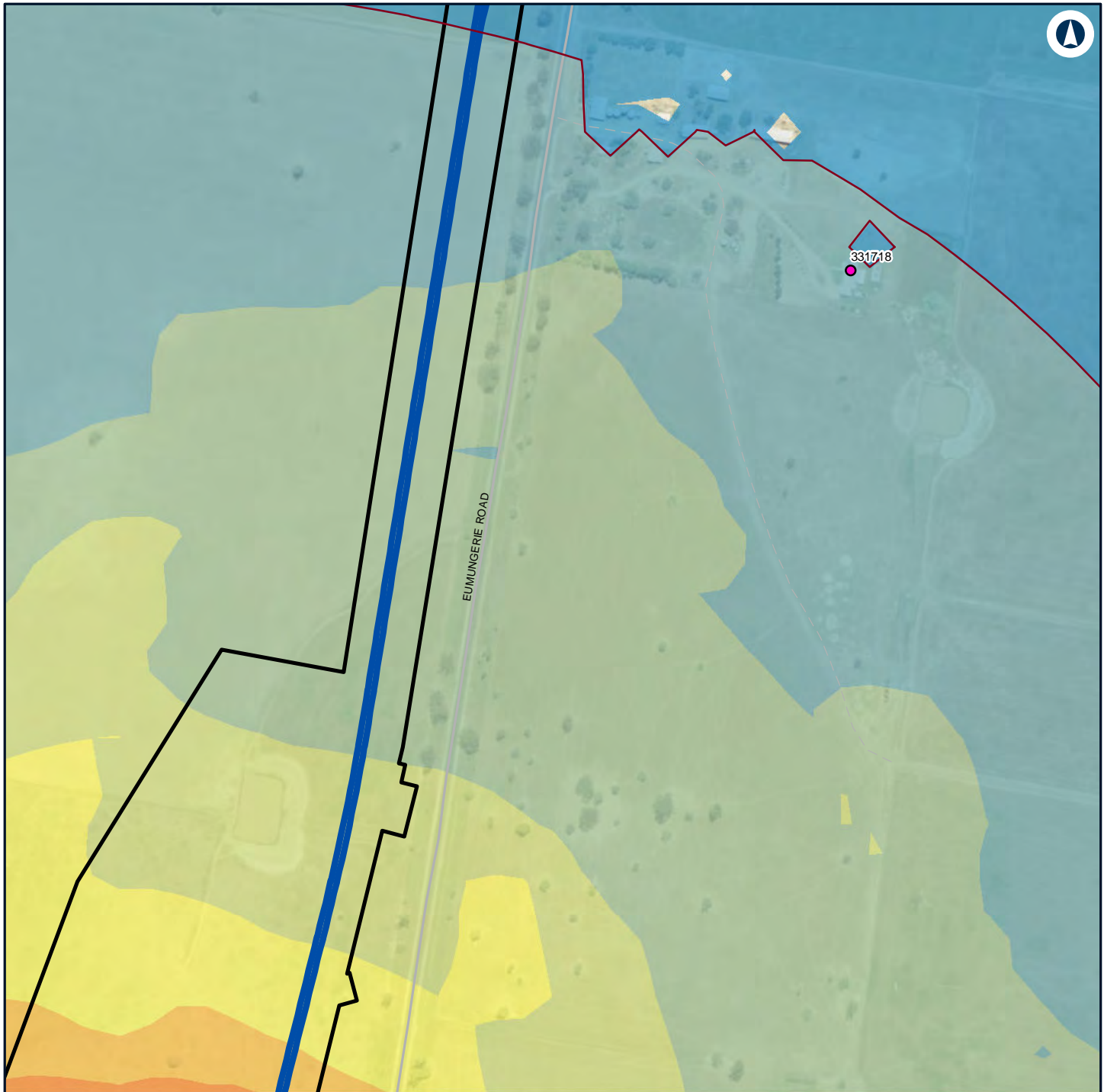
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

Construction footprint

Night-time noise management level

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 63 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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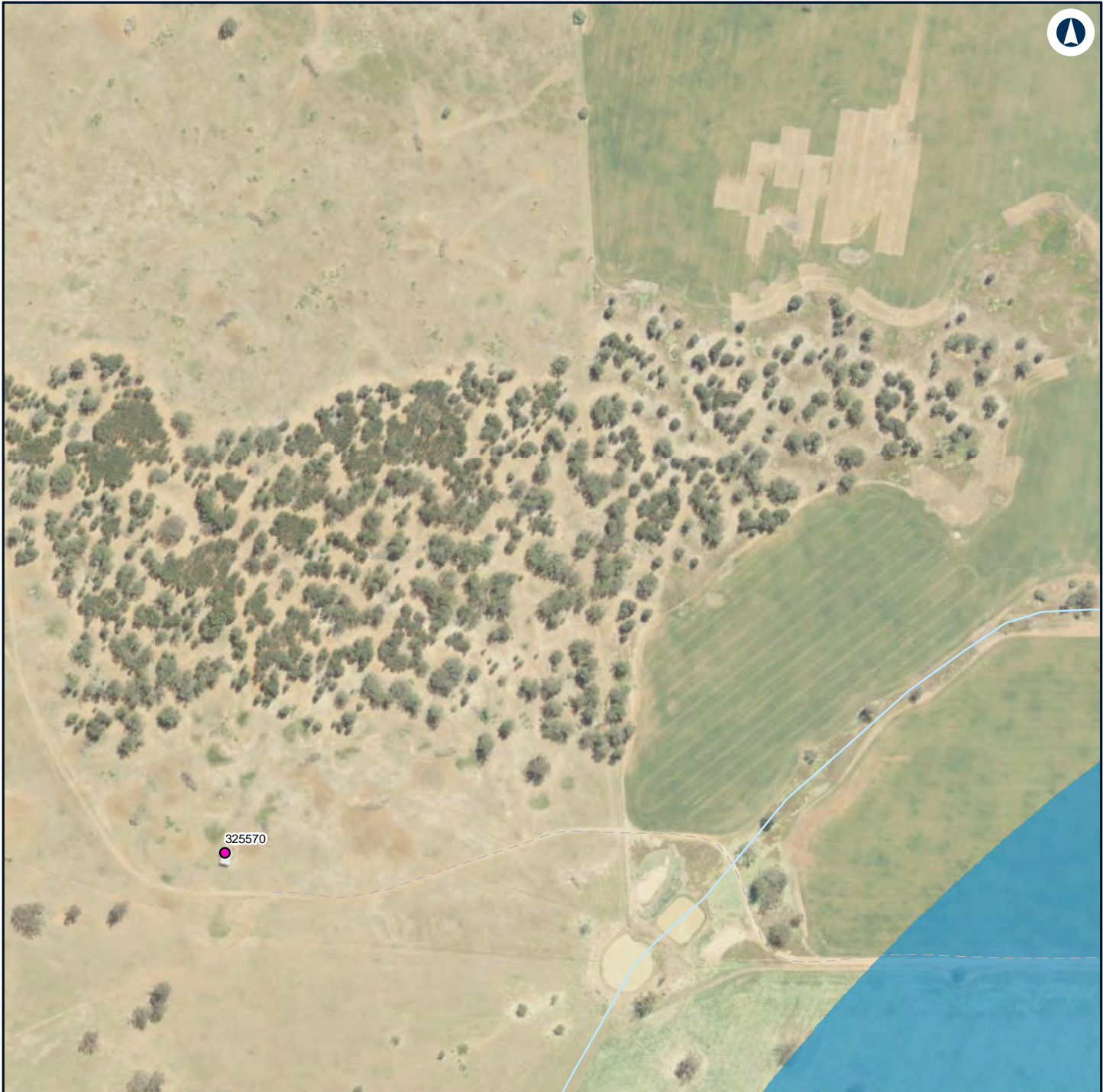
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 16/07/2020
Author: GHD
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

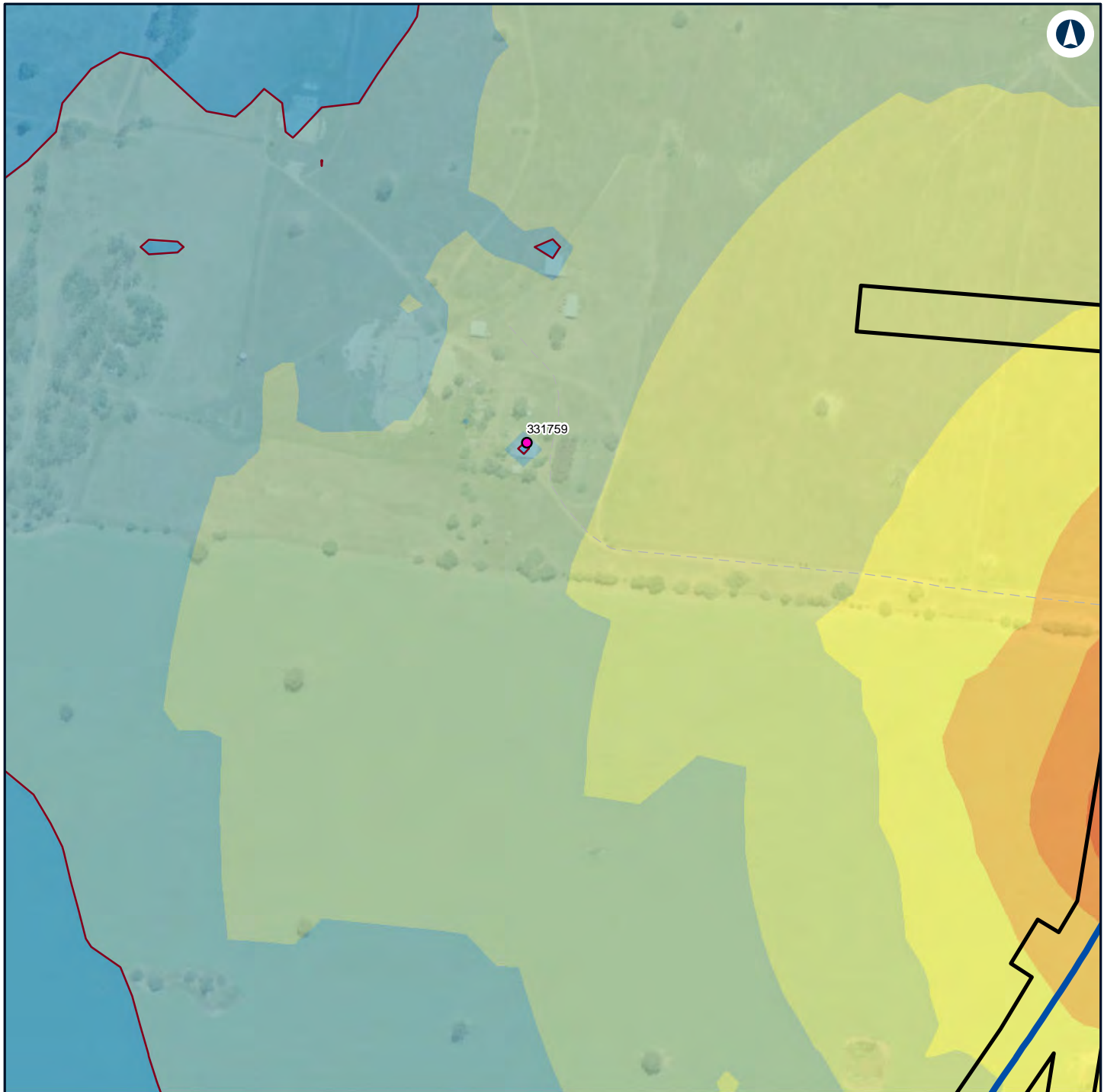
Construction noise contours, Construction Infrastructure (combined)

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INLAND RAIL

ARTC

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Legend

Construction footprint

Night-time noise management level

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 65 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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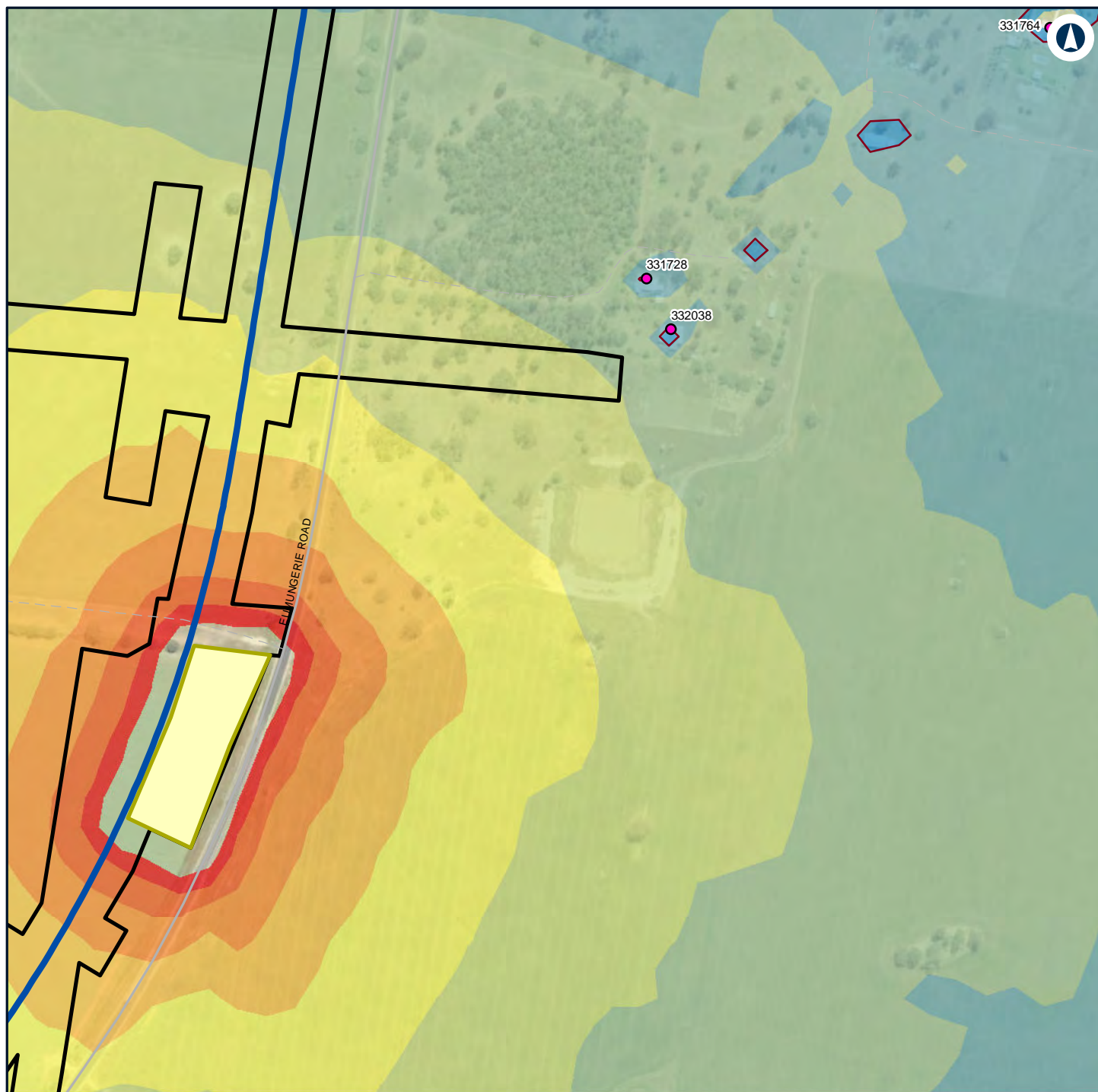
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Minor Compound
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40

- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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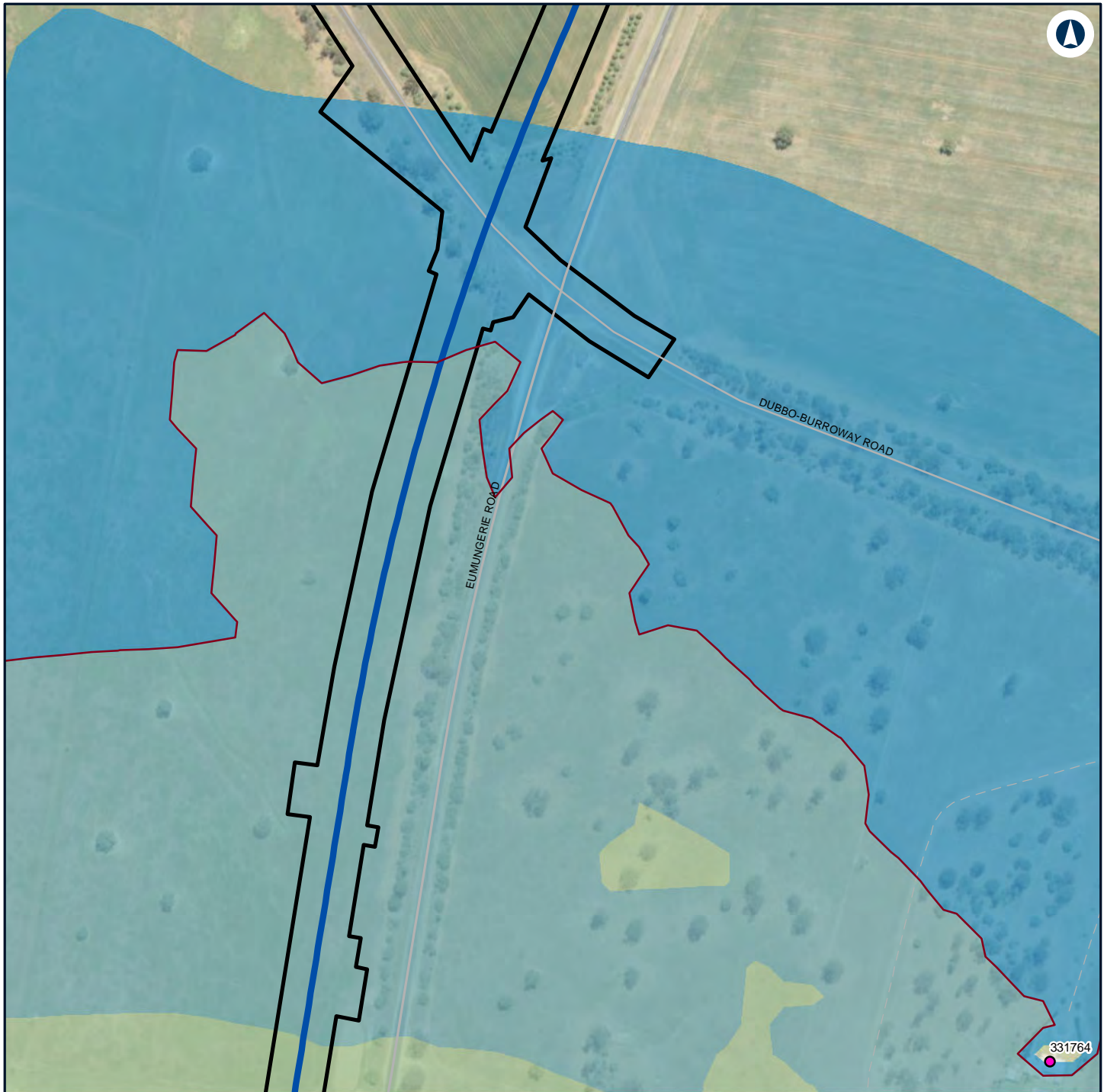
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 67 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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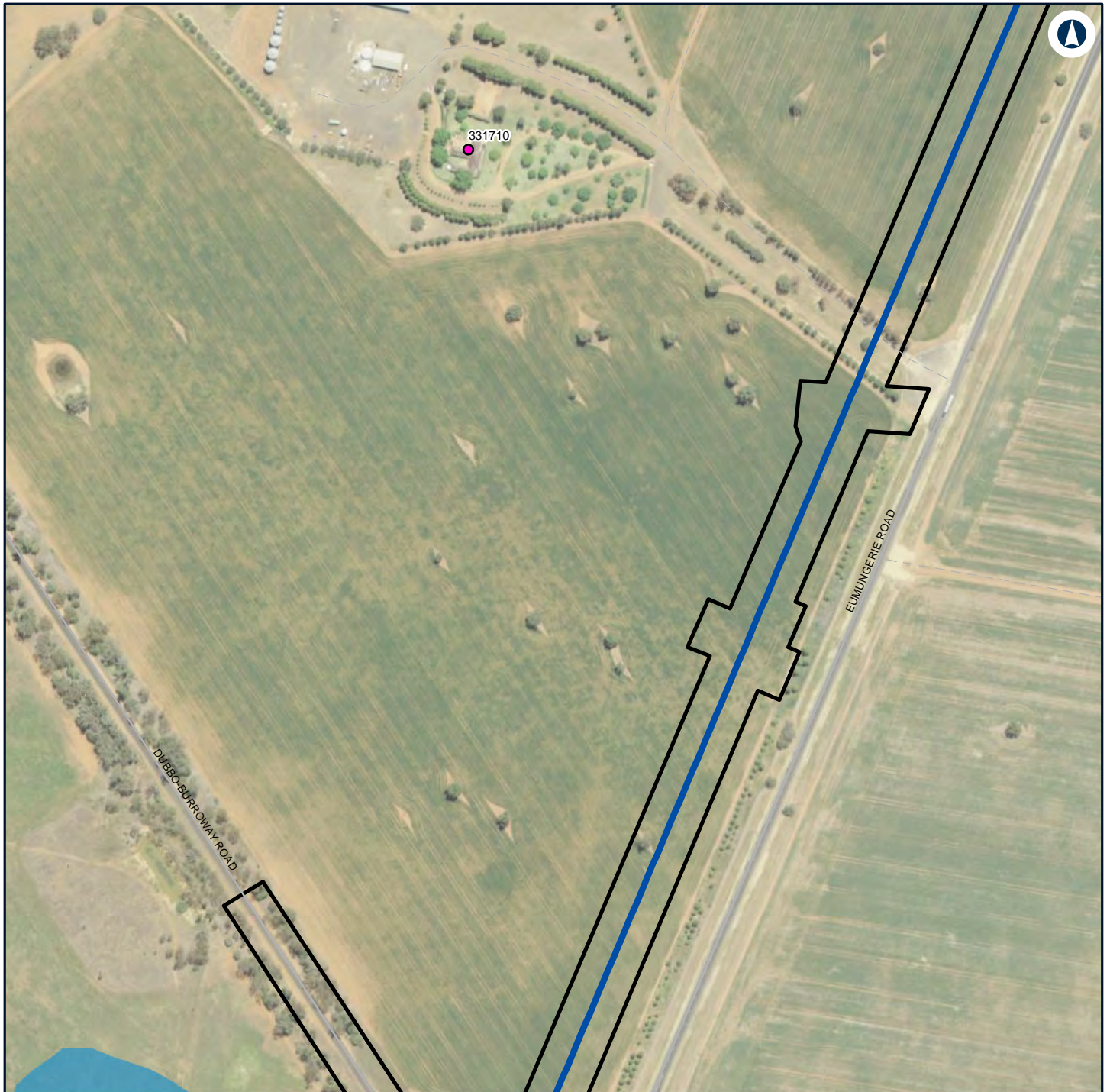
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

Construction footprint

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 68 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Paper: A4

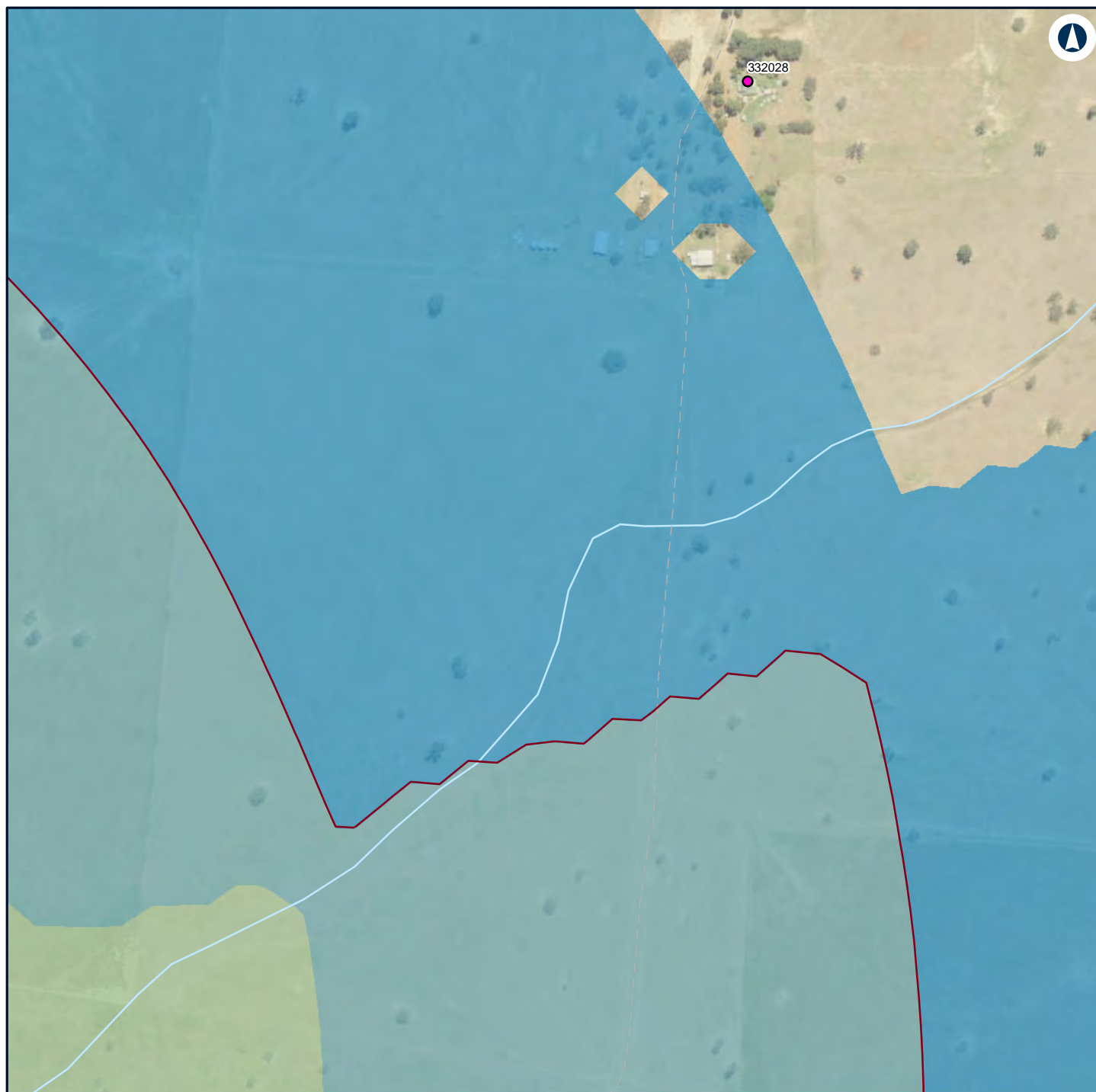
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

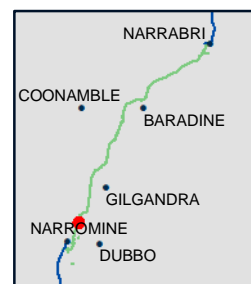
● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 69 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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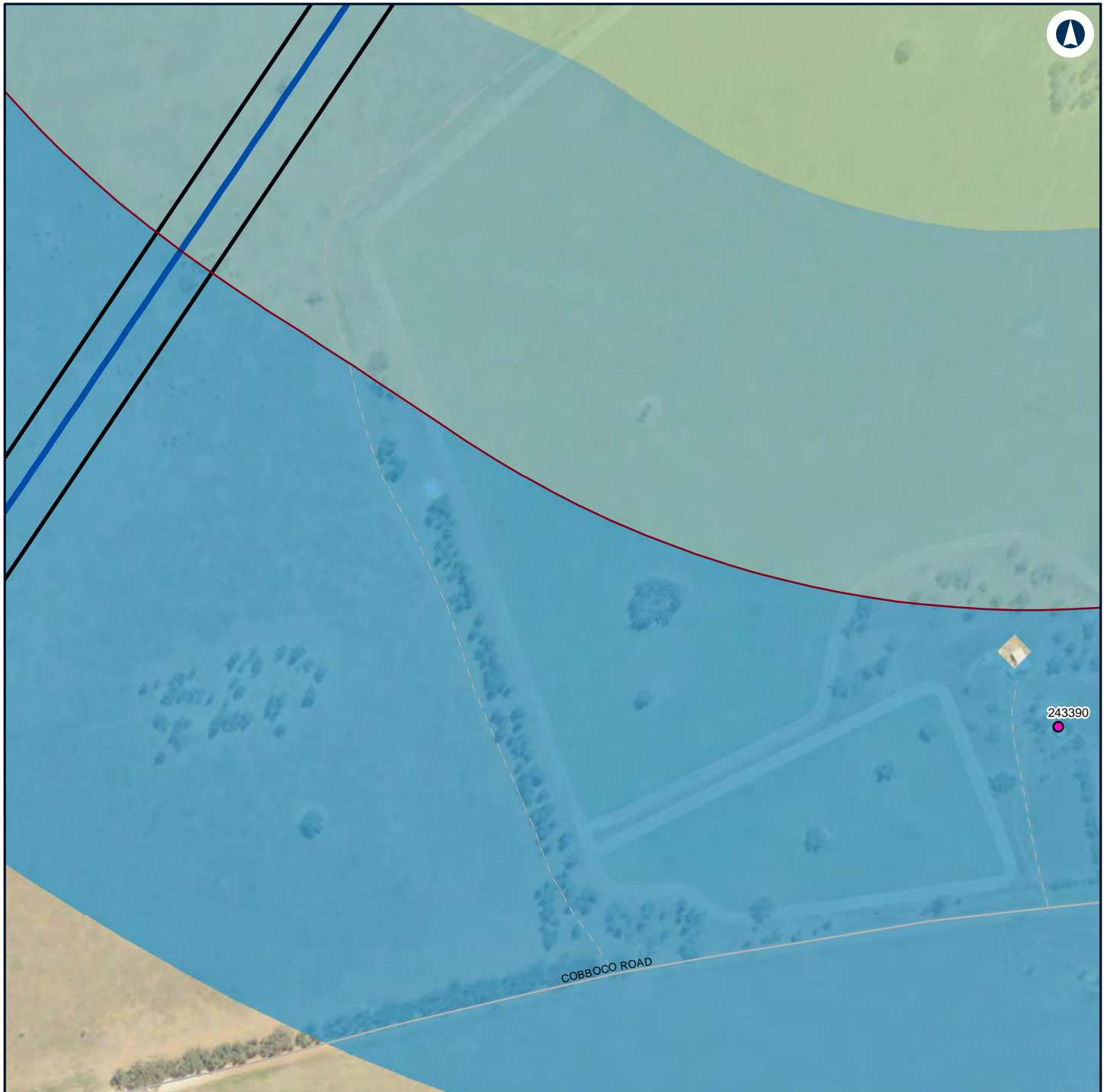
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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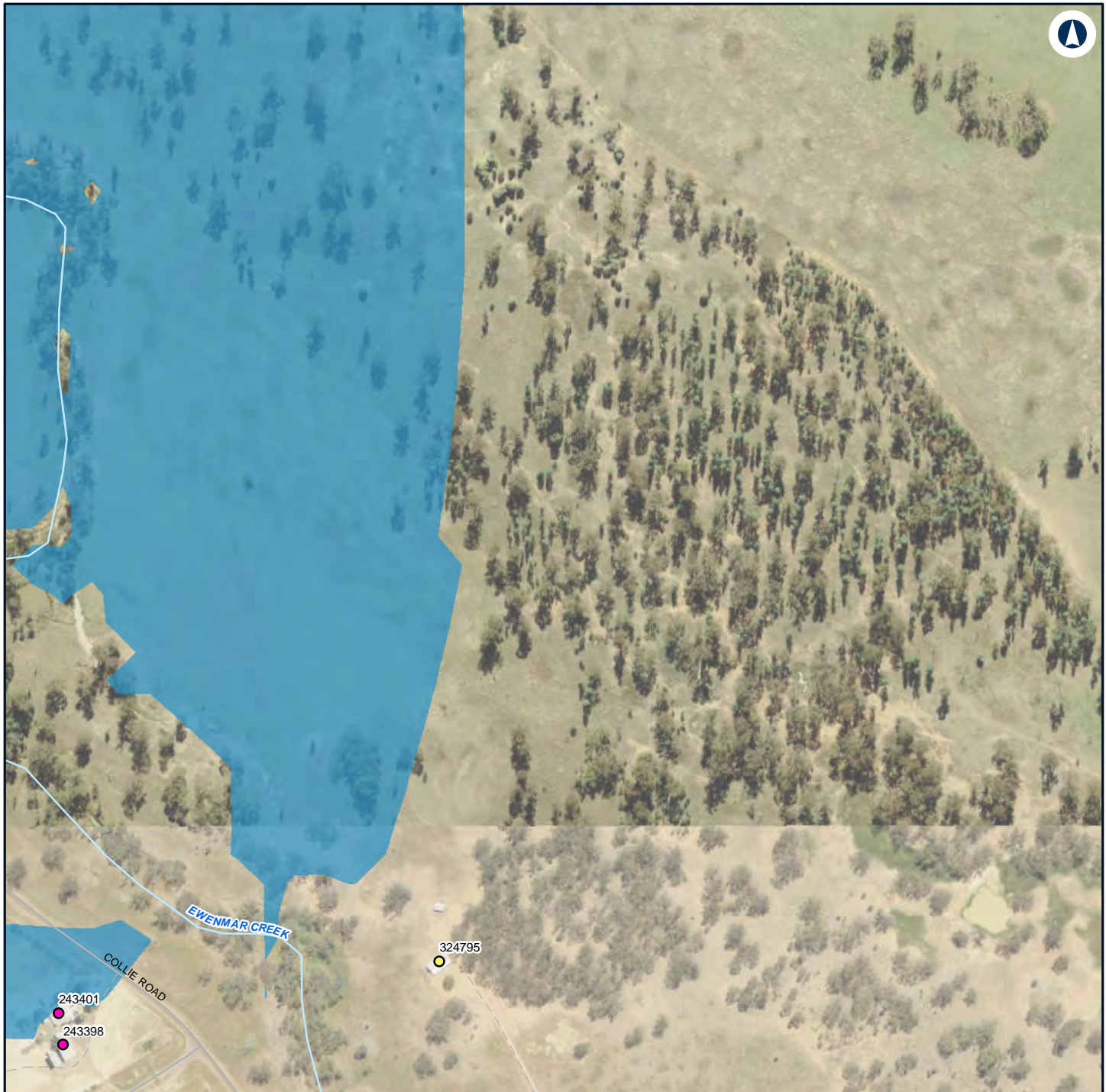
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

Structure type

- Community
- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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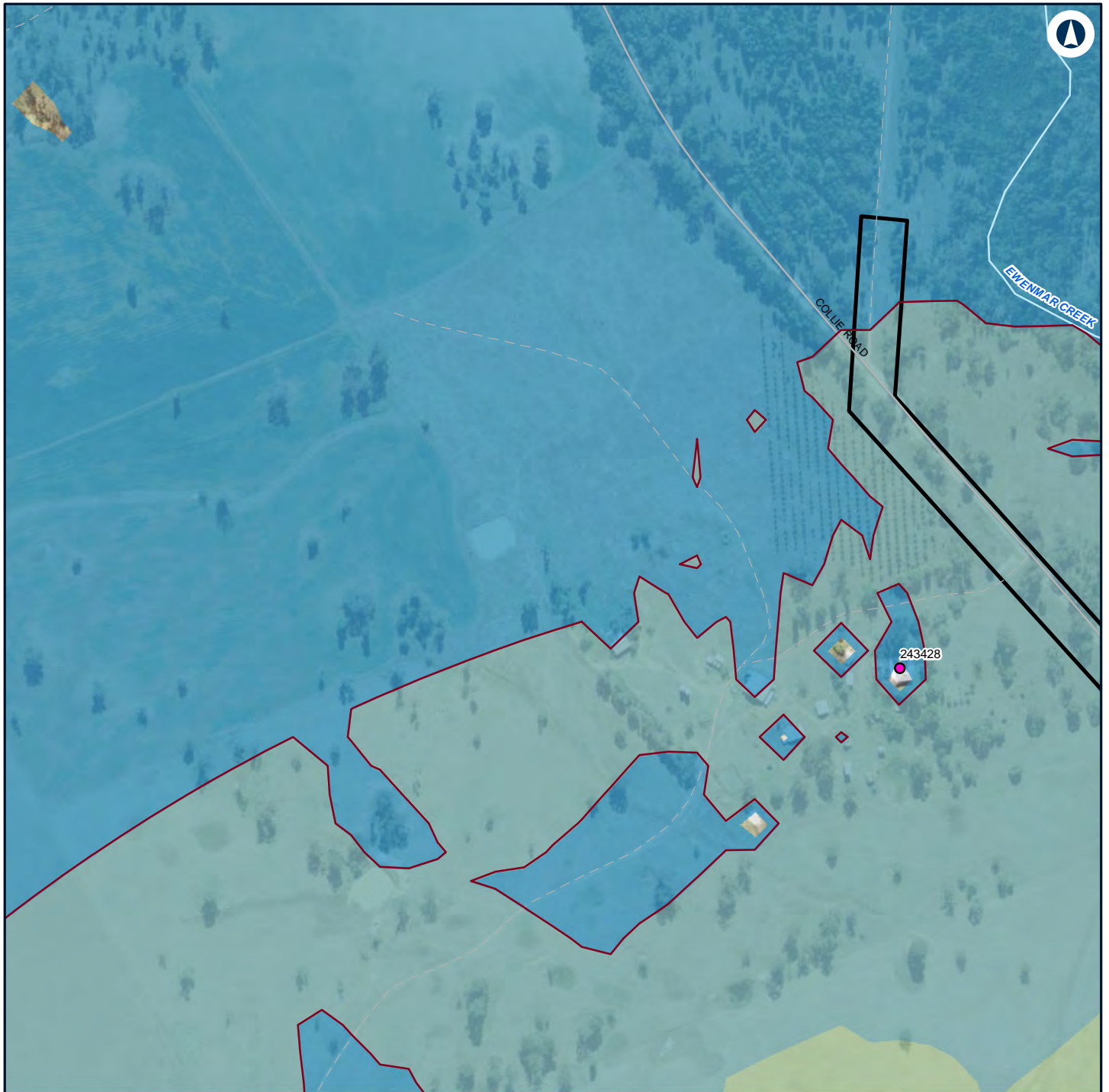
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 72 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 73 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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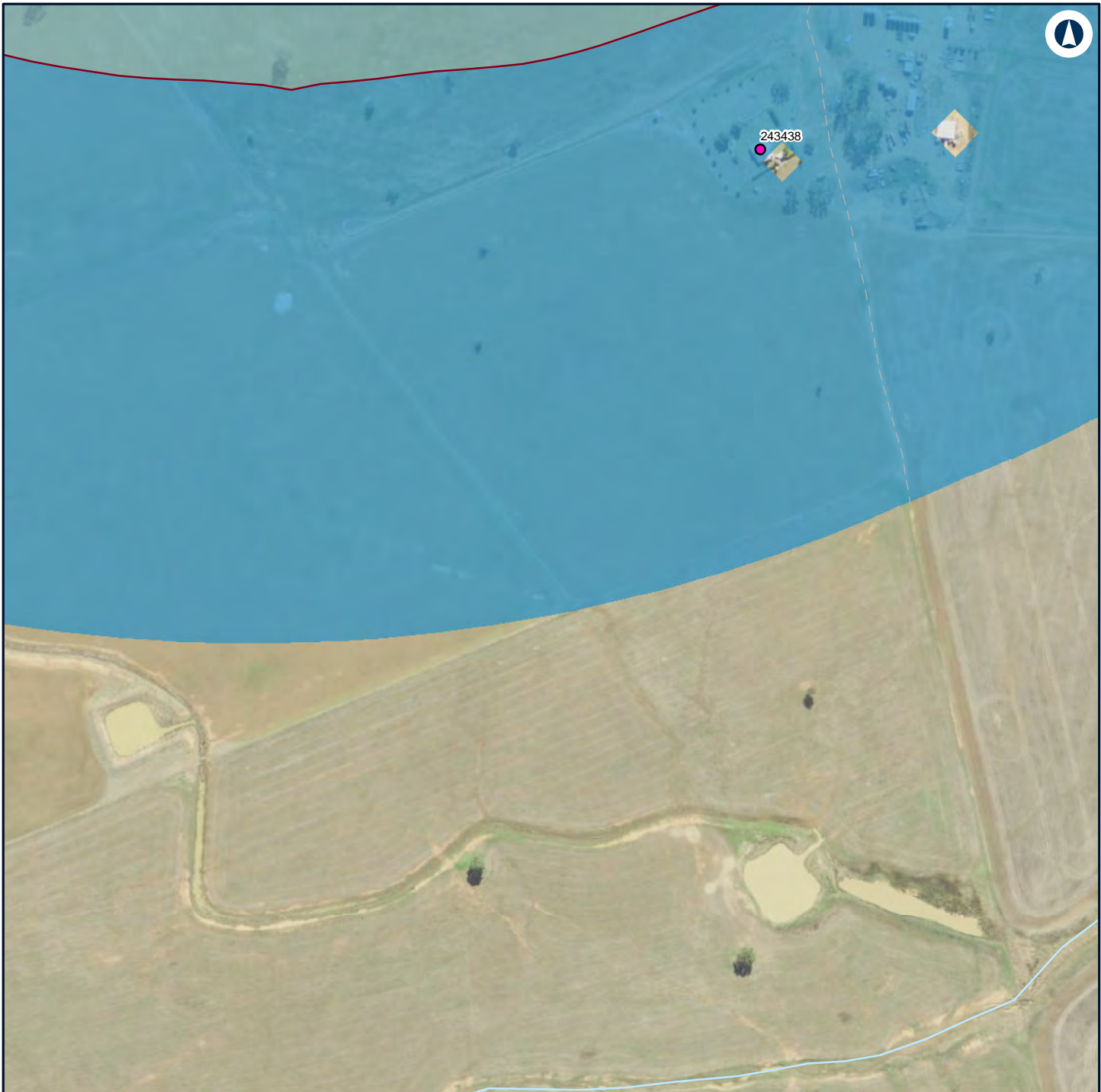
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 74 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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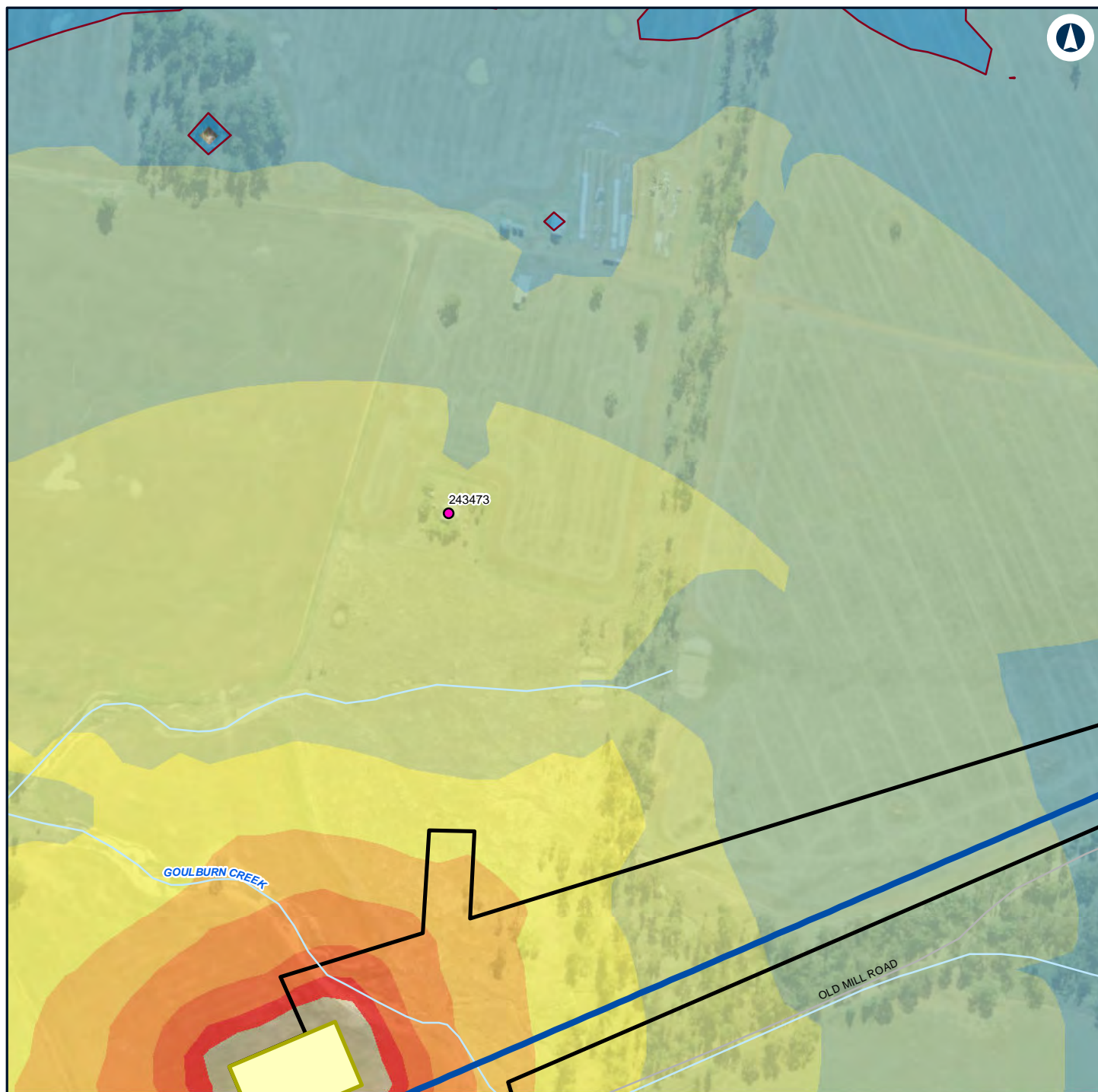
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Minor Compound
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40

- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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Legend

Construction footprint

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 76 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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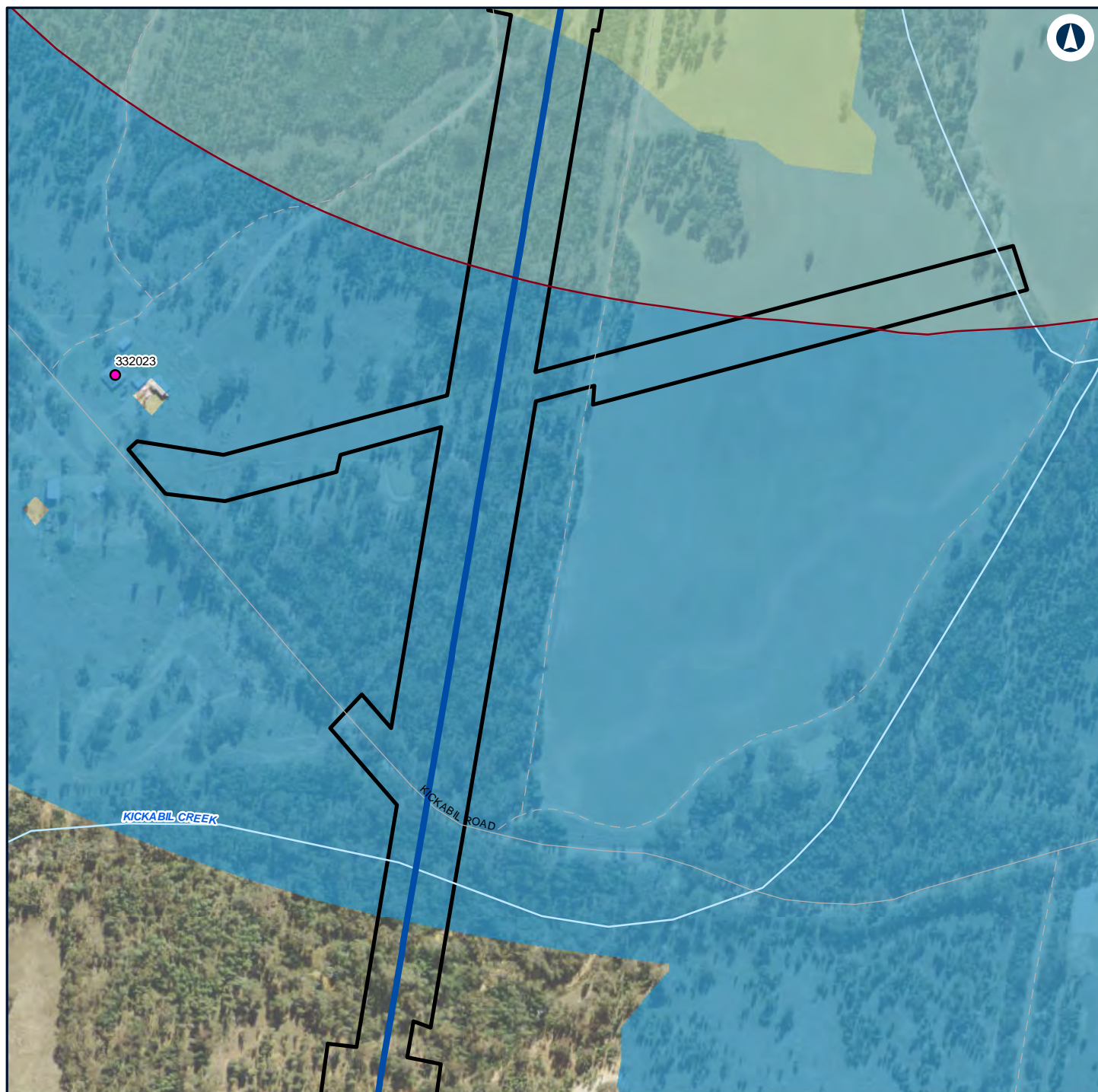
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 77 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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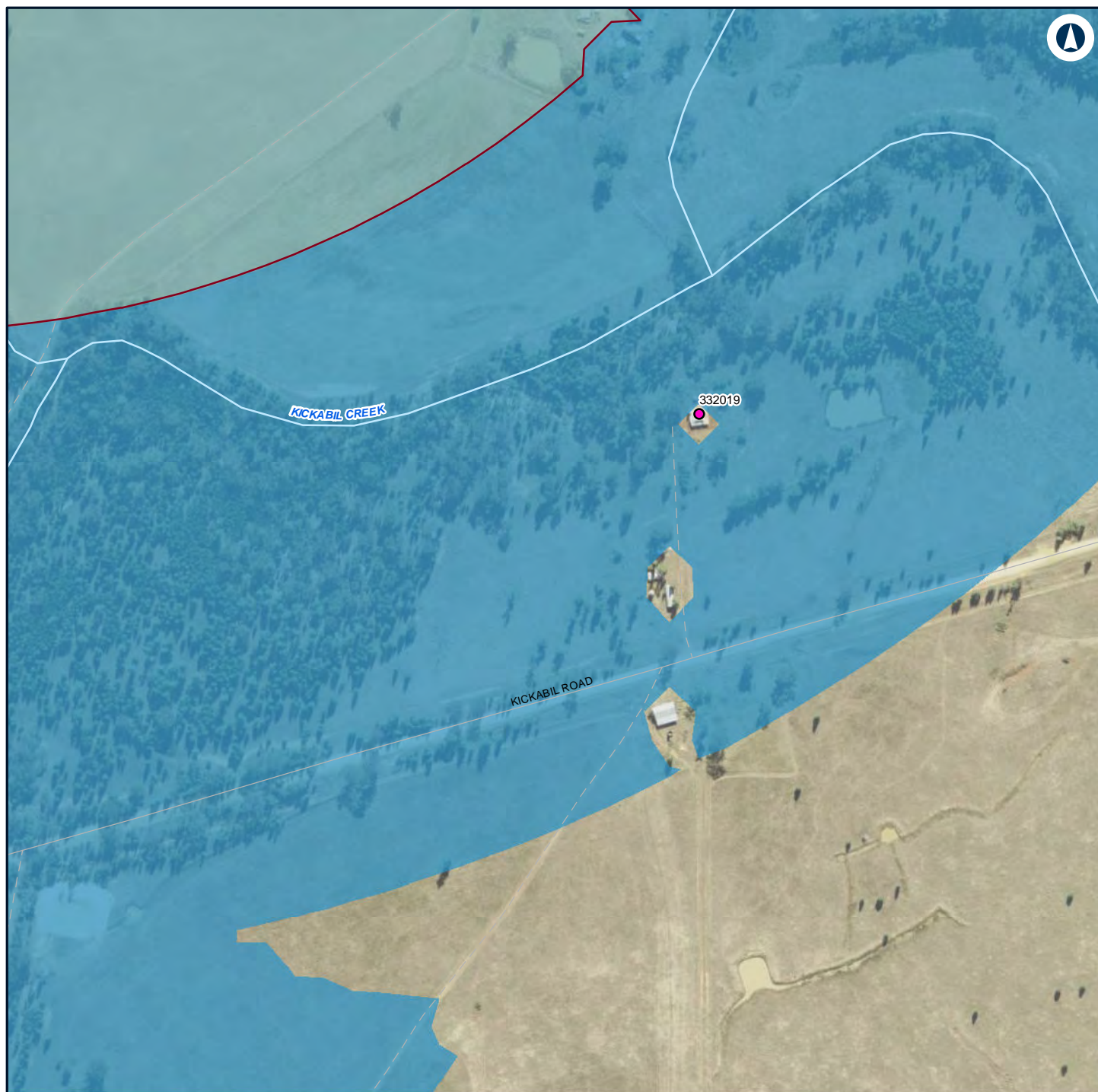
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 78 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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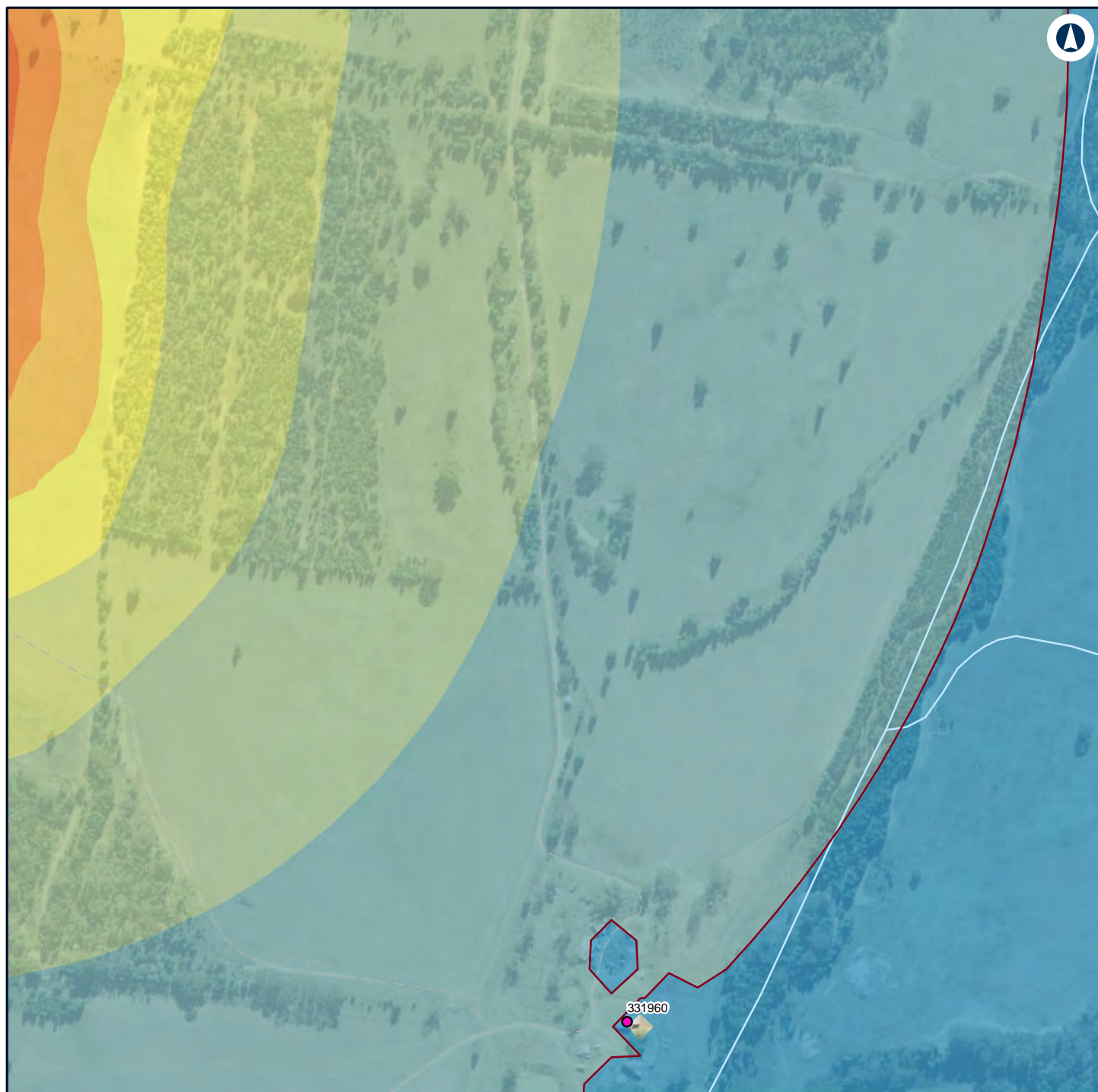
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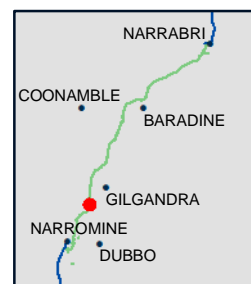


Legend

- Night-time noise management level
- 50 - 55
- 55 - 60
- Residential
- 60 - 65
- 65 - 70

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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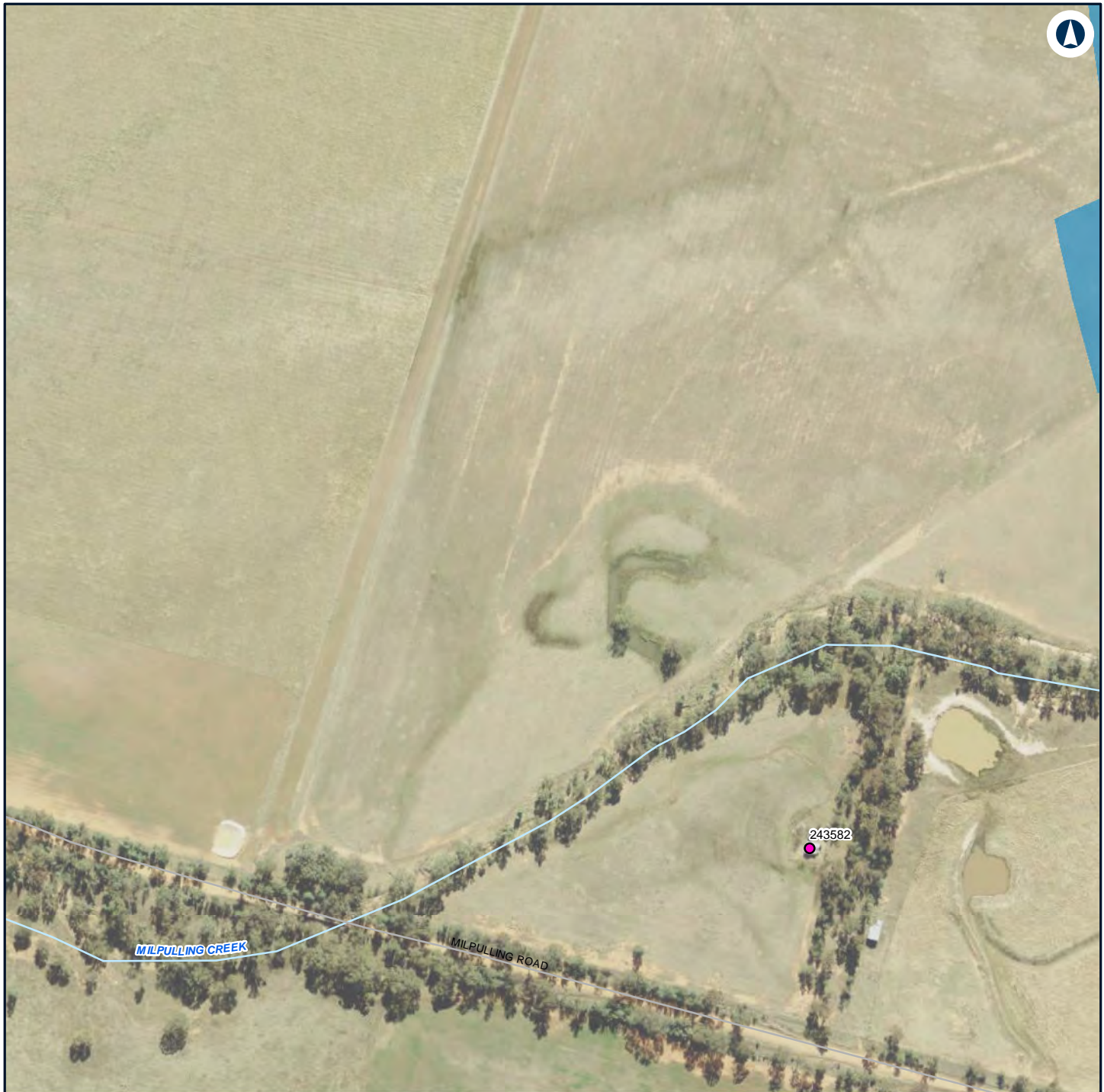
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

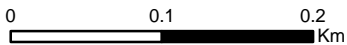
30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 80 of 249



Coordinate System: GDA 1994 MGA Zone 55

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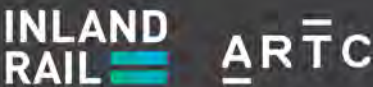
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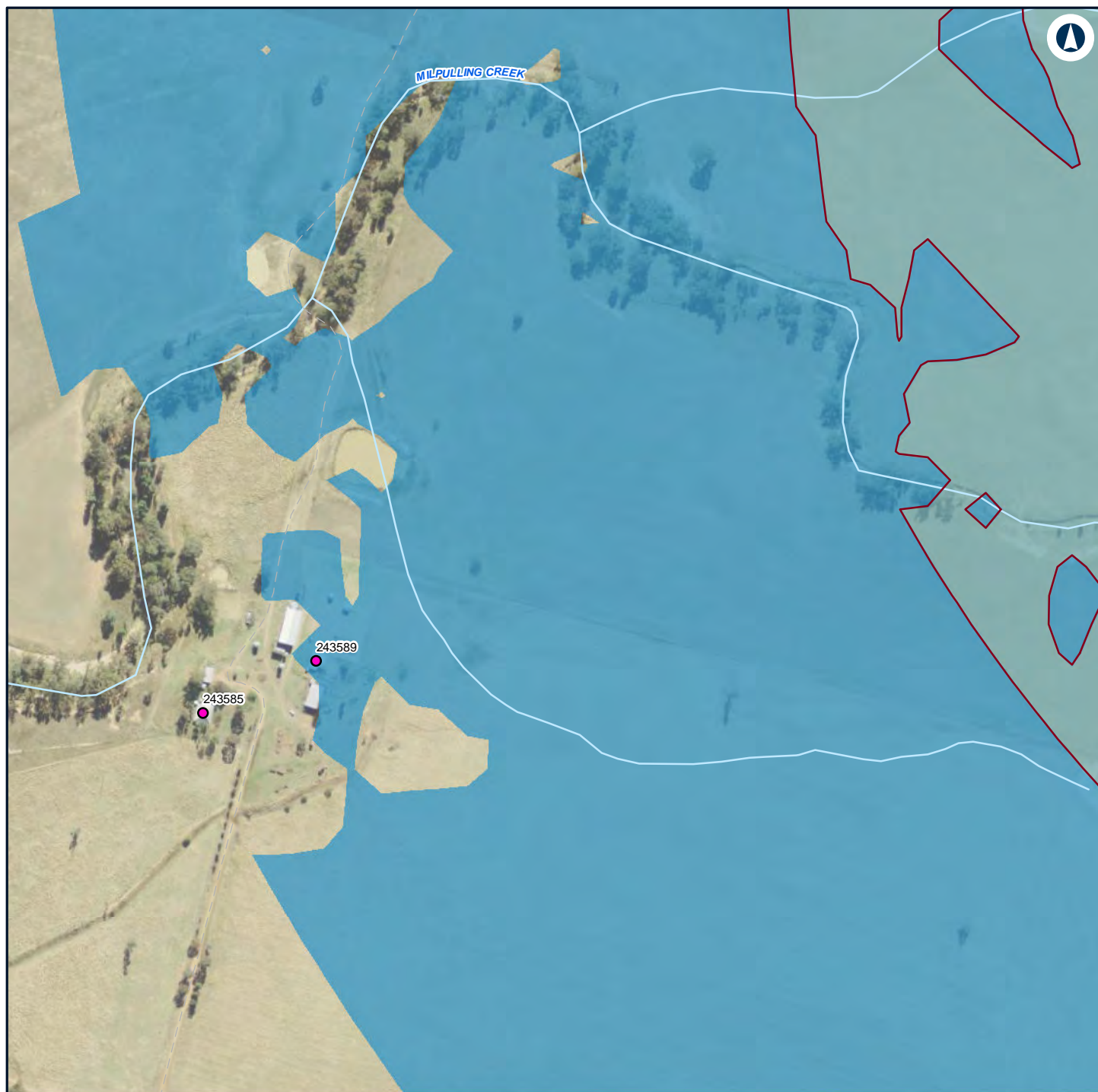
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD



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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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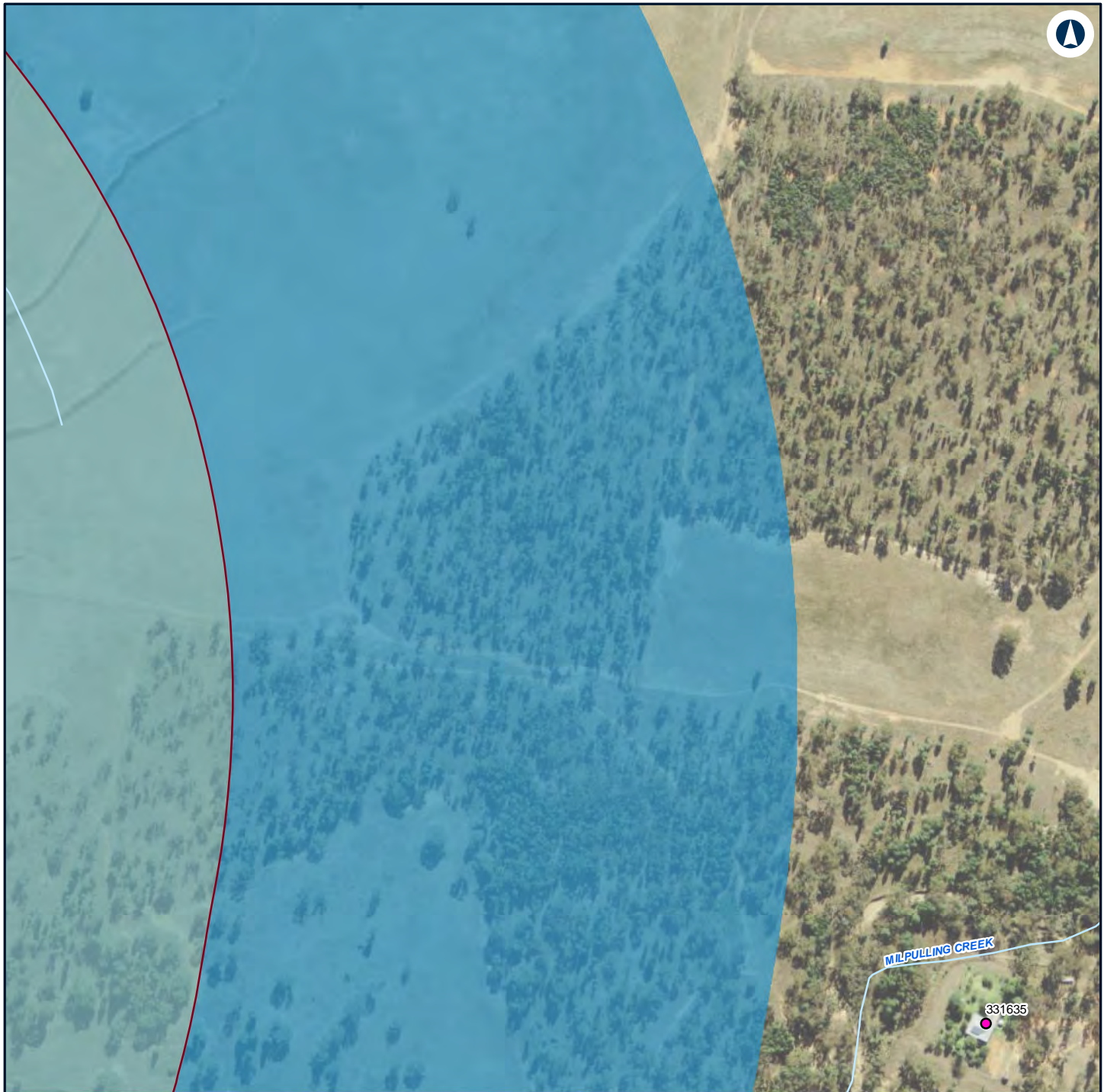
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 82 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

— Night-time noise management level

Structure type

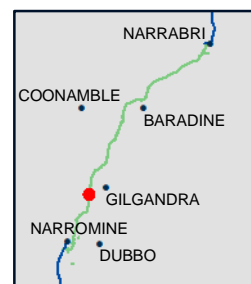
● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

■ 30 - 35



00.10.2

Km

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Author: GHD

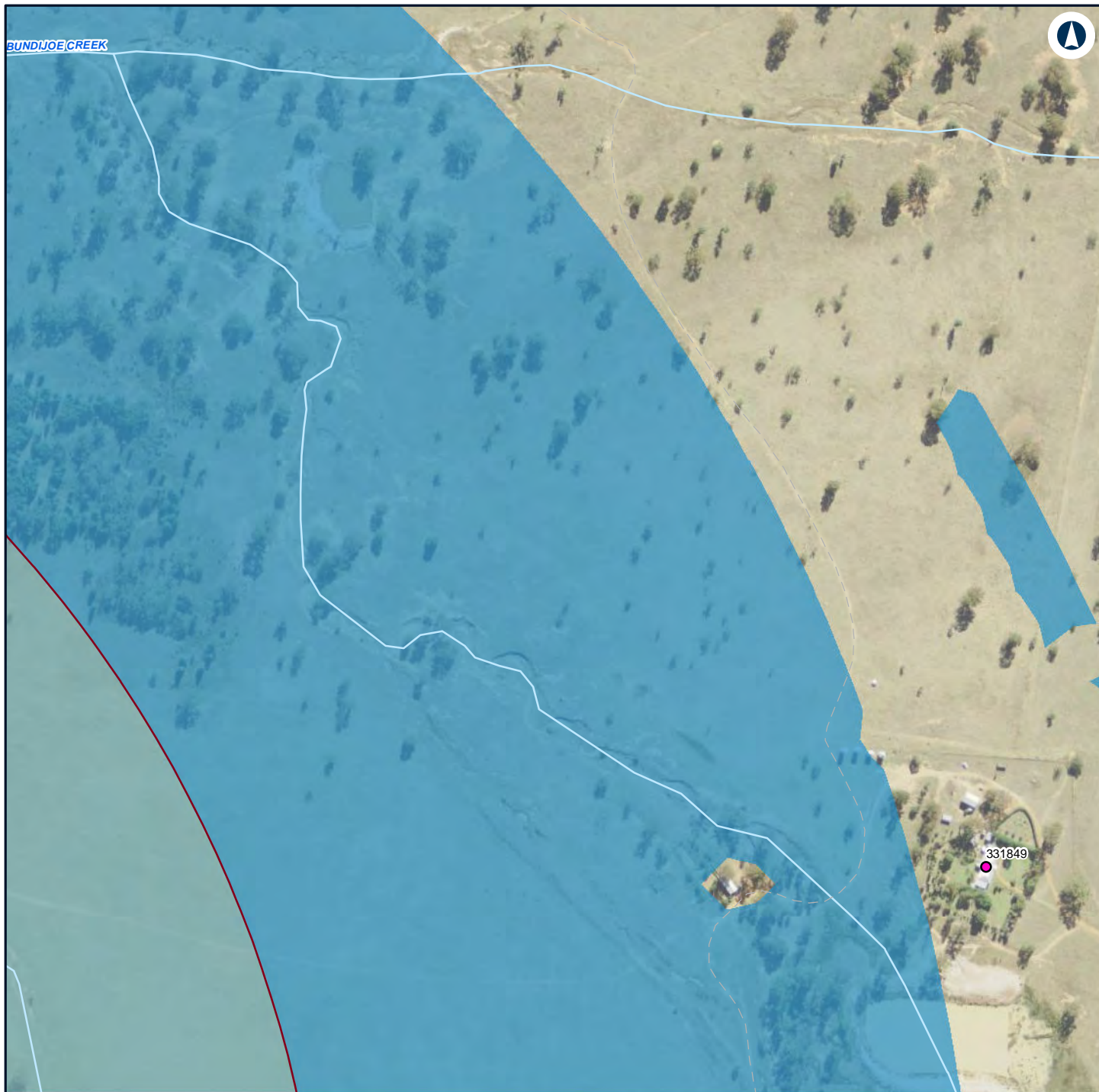
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Legend

— Night-time noise management level

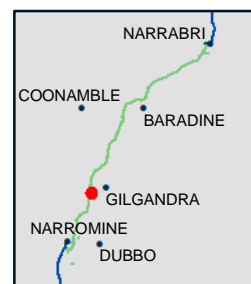
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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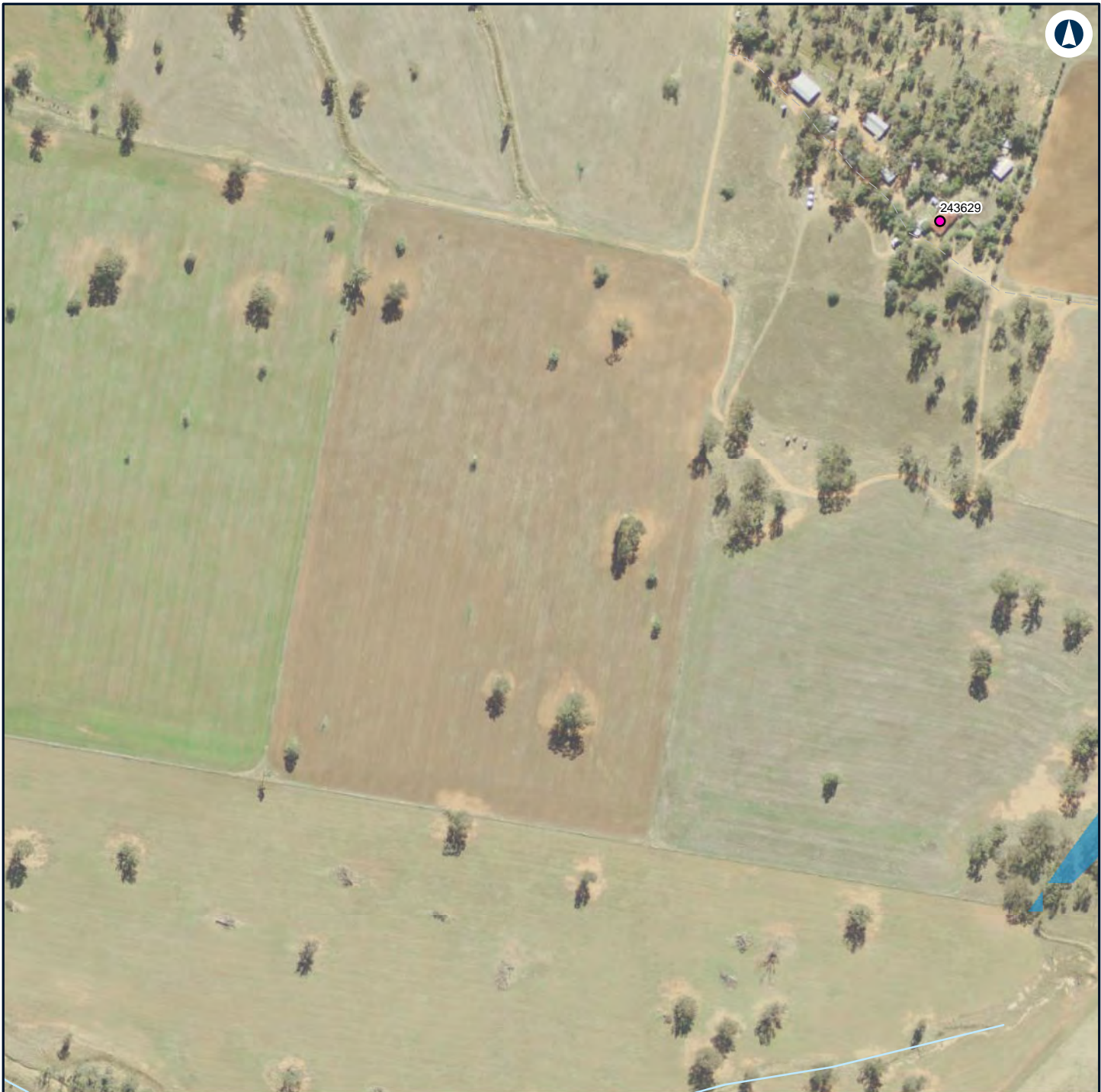
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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0
0.1
0.2

Km

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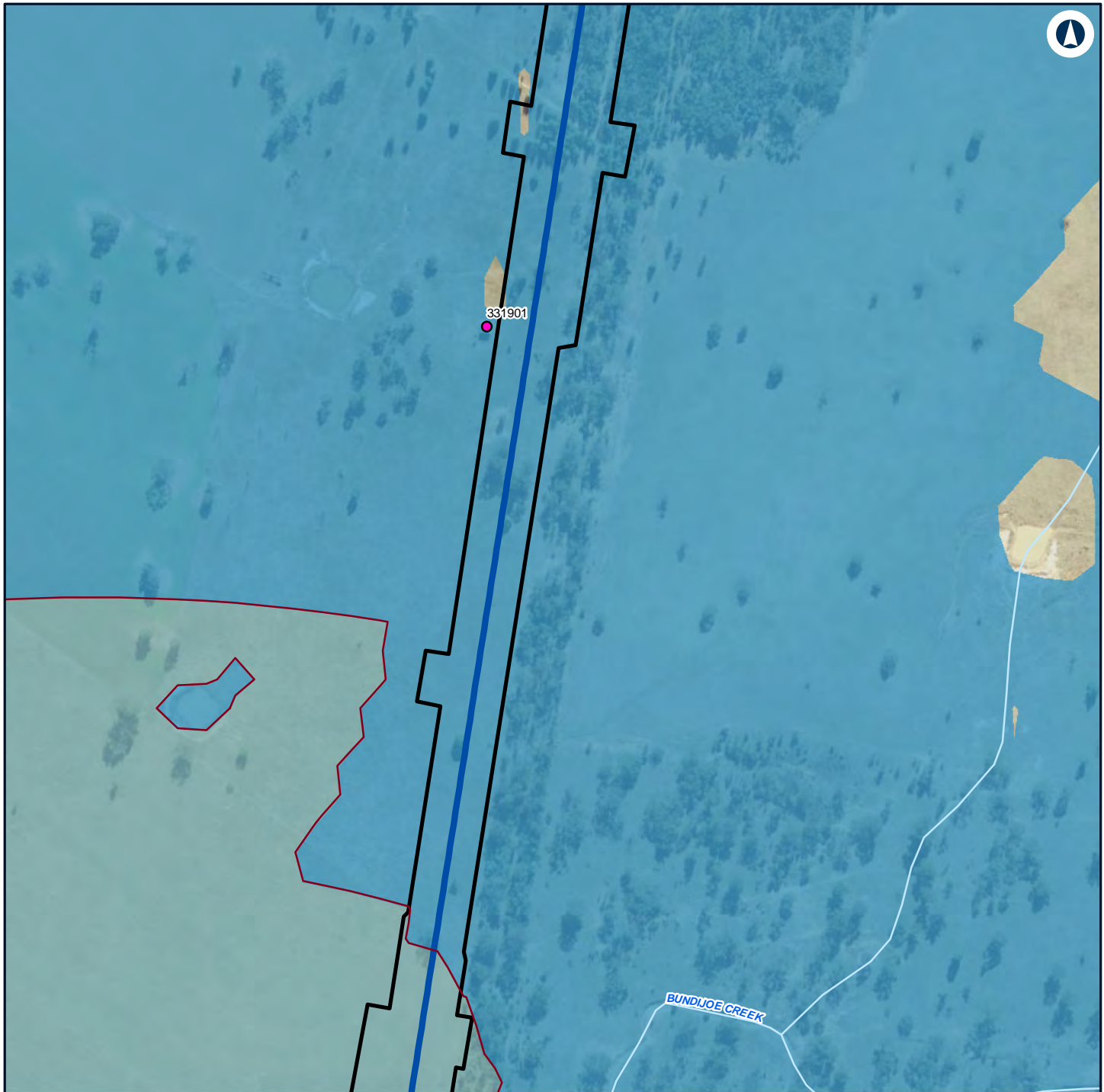
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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

■ 30 - 35



NARROMINE TO NARRABRI

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Construction noise contours, Construction Infrastructure (combined)

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Legend

— Night-time noise management level

Structure type

- Commercial/Industrial
- Community
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 89 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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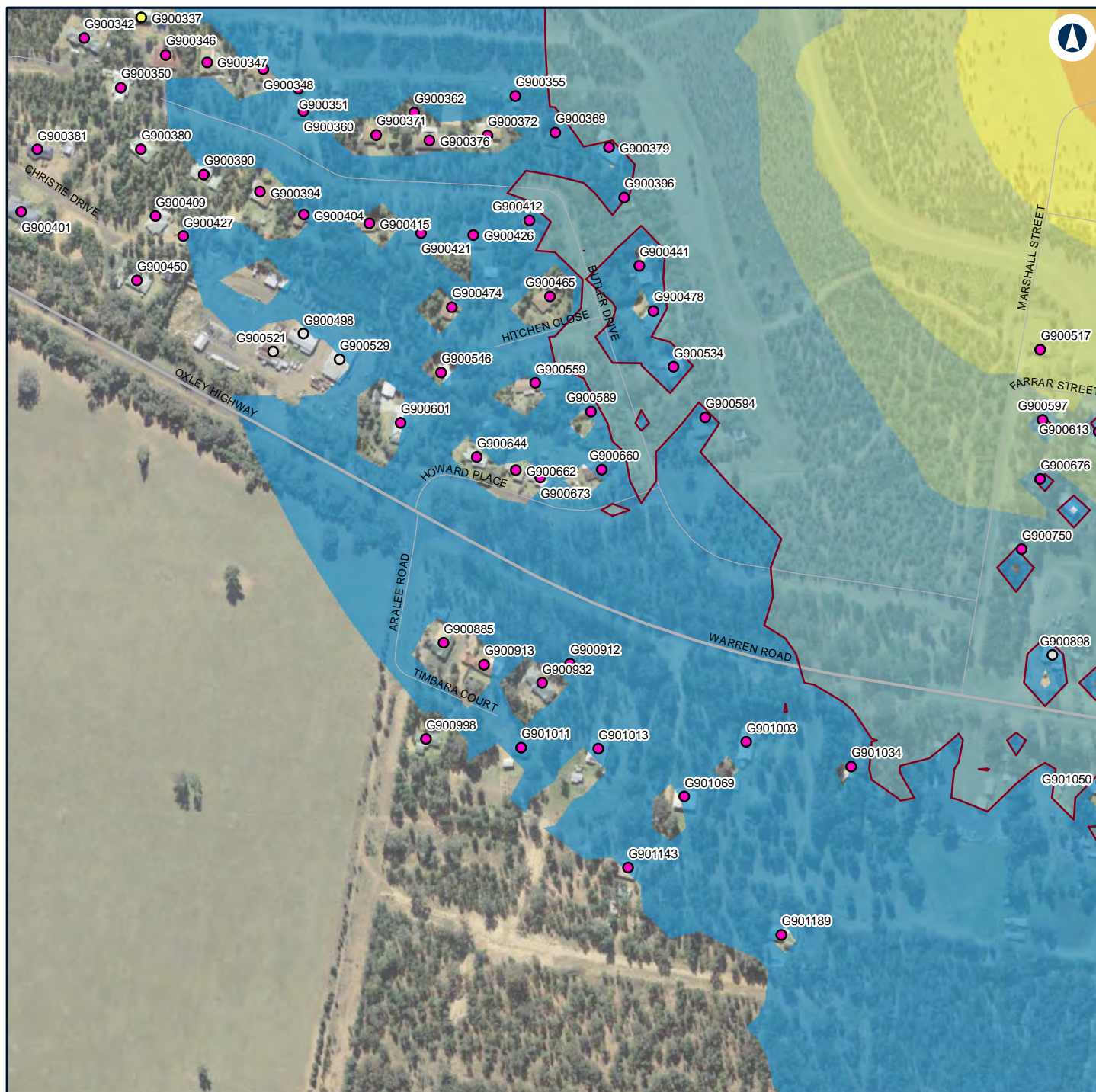
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Legend

— Night-time noise management level

Structure type

○ Commercial/Industrial

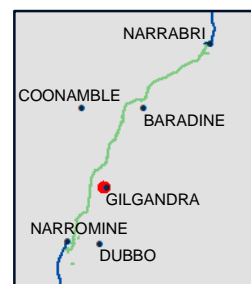
● Community

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 90 of 249

0 0.1 0.2
Km

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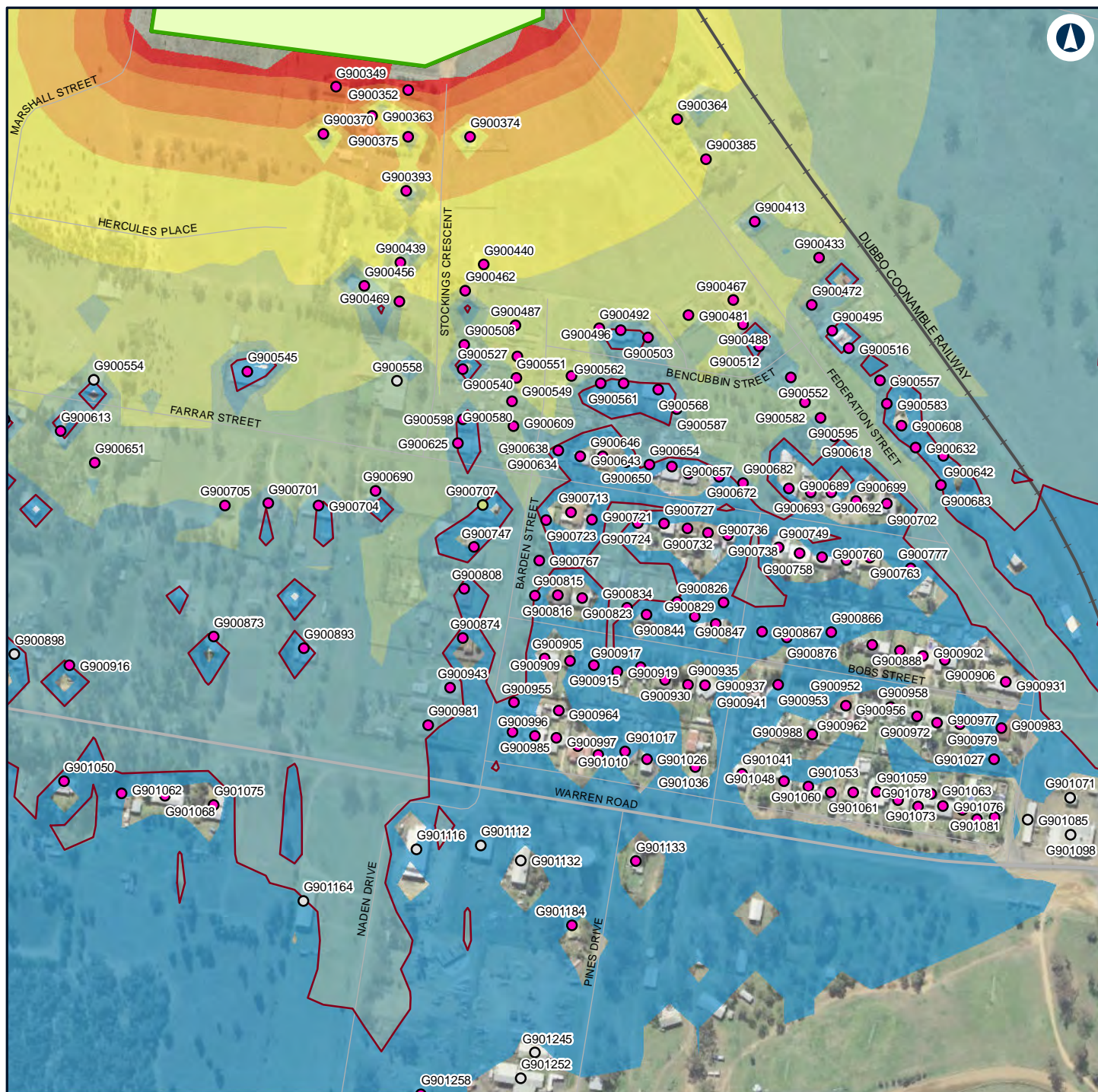
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Temporary workforce accommodation
- Night-time noise management level

Structure type

- Child care facility
- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)	
	30 - 35
	35 - 40
	40 - 45
	45 - 50
	50 - 55
	55 - 60
	60 - 65
	65 - 70
	70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 91 of 249

0 0.1 0.2
Km

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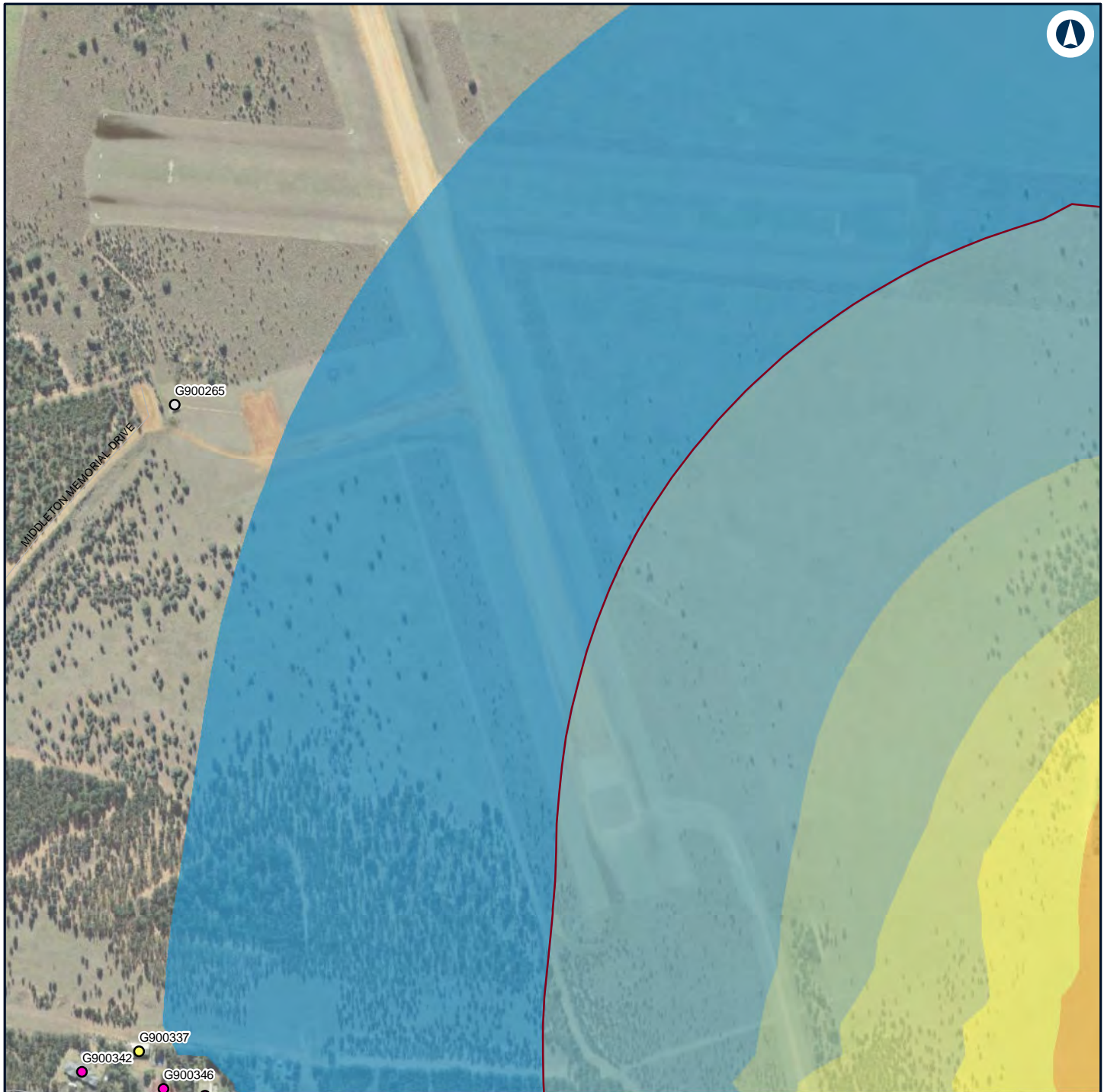
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Legend

— Night-time noise management level

Structure type

○ Commercial/Industrial

● Community

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 93 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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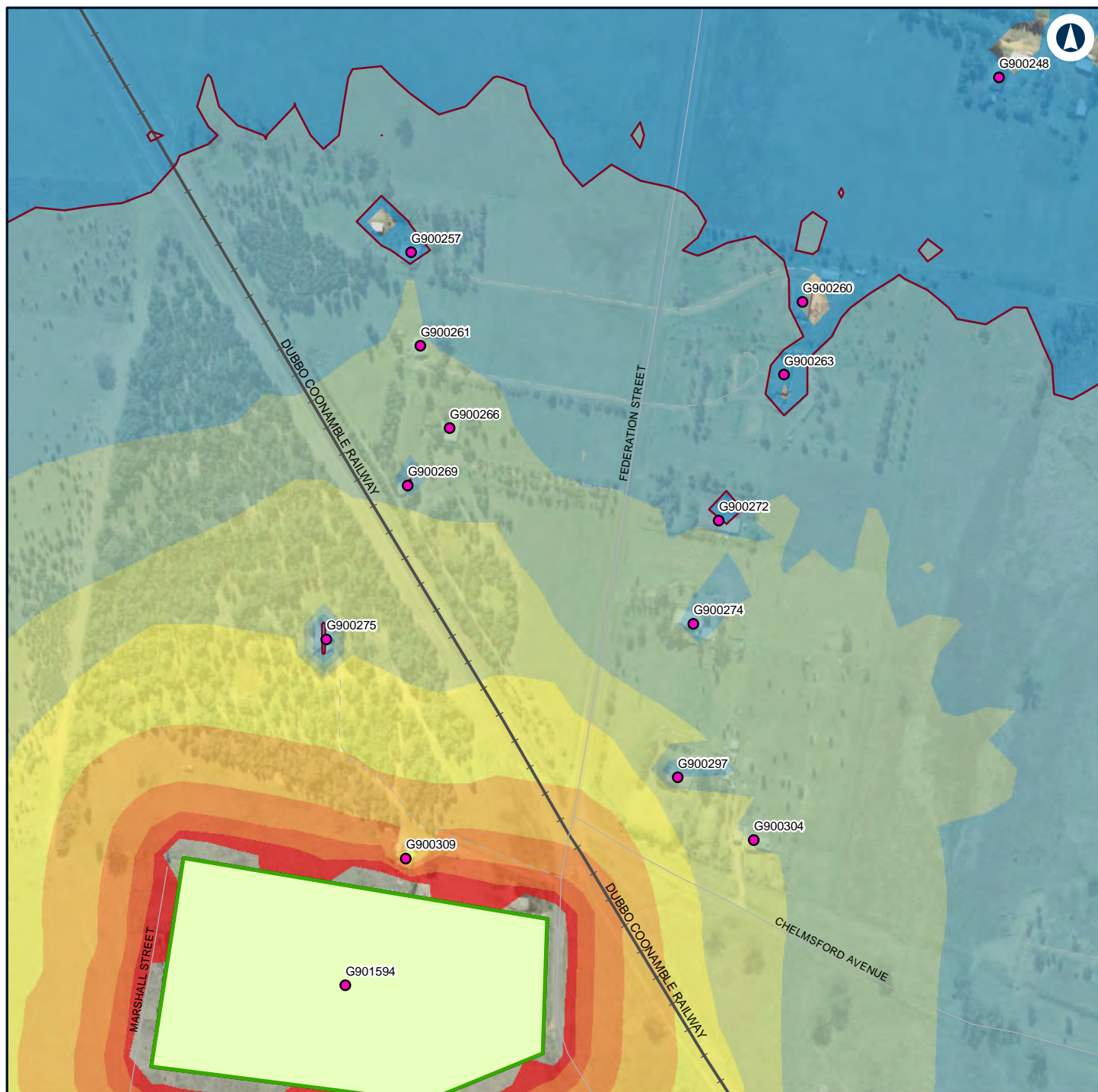
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Legend

- Construction footprint
- Temporary workforce accommodation
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40

- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 94 of 249

0 0.1 0.2
Km

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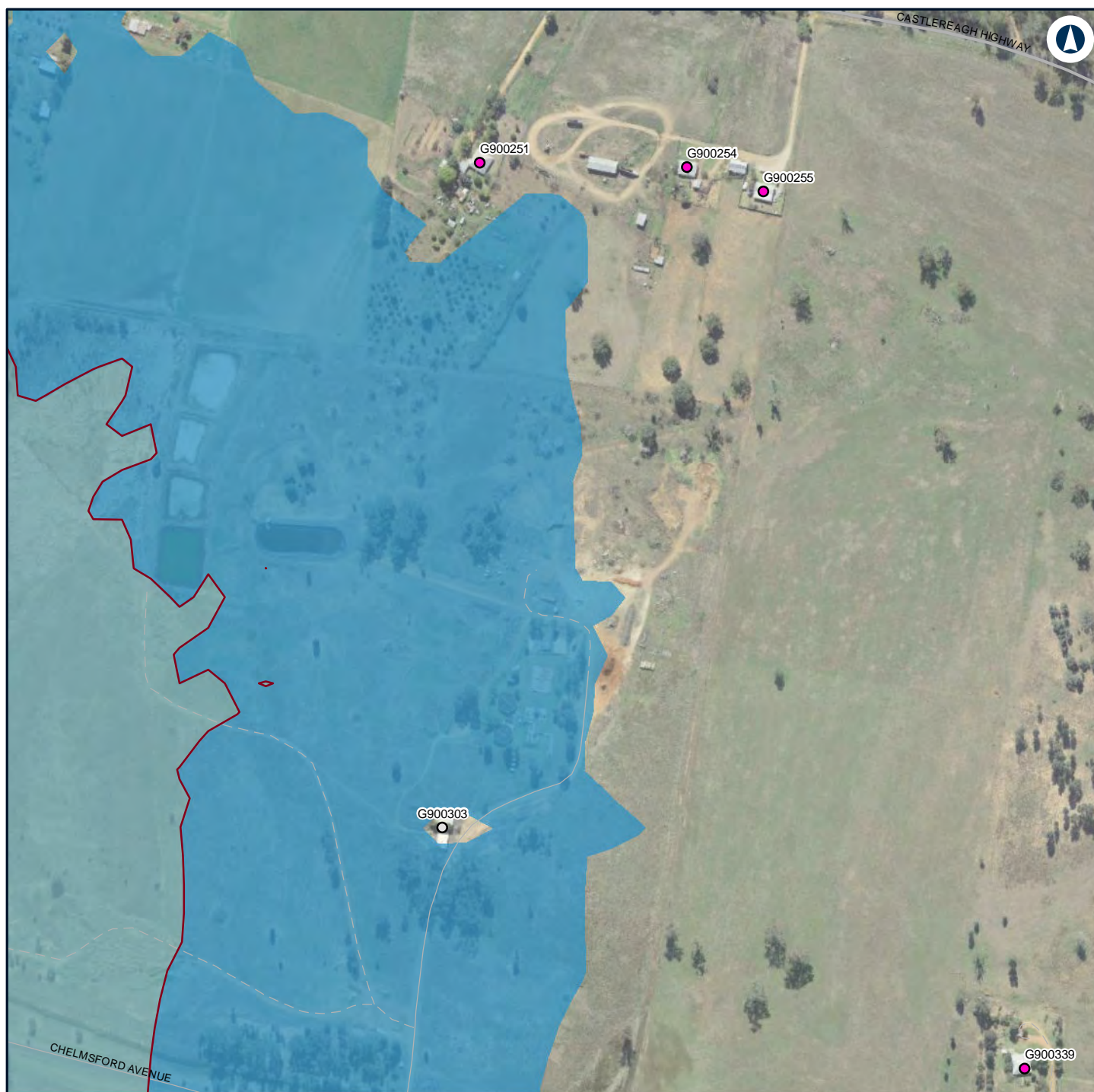
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Legend

— Night-time noise management level

Structure type

- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 95 of 249

0 0.1 0.2
Km

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 96 of 249

0 0.1 0.2
Km

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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

■ 30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 97 of 249

0
0.1
0.2
Km

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 98 of 249

0 0.1 0.2
Km

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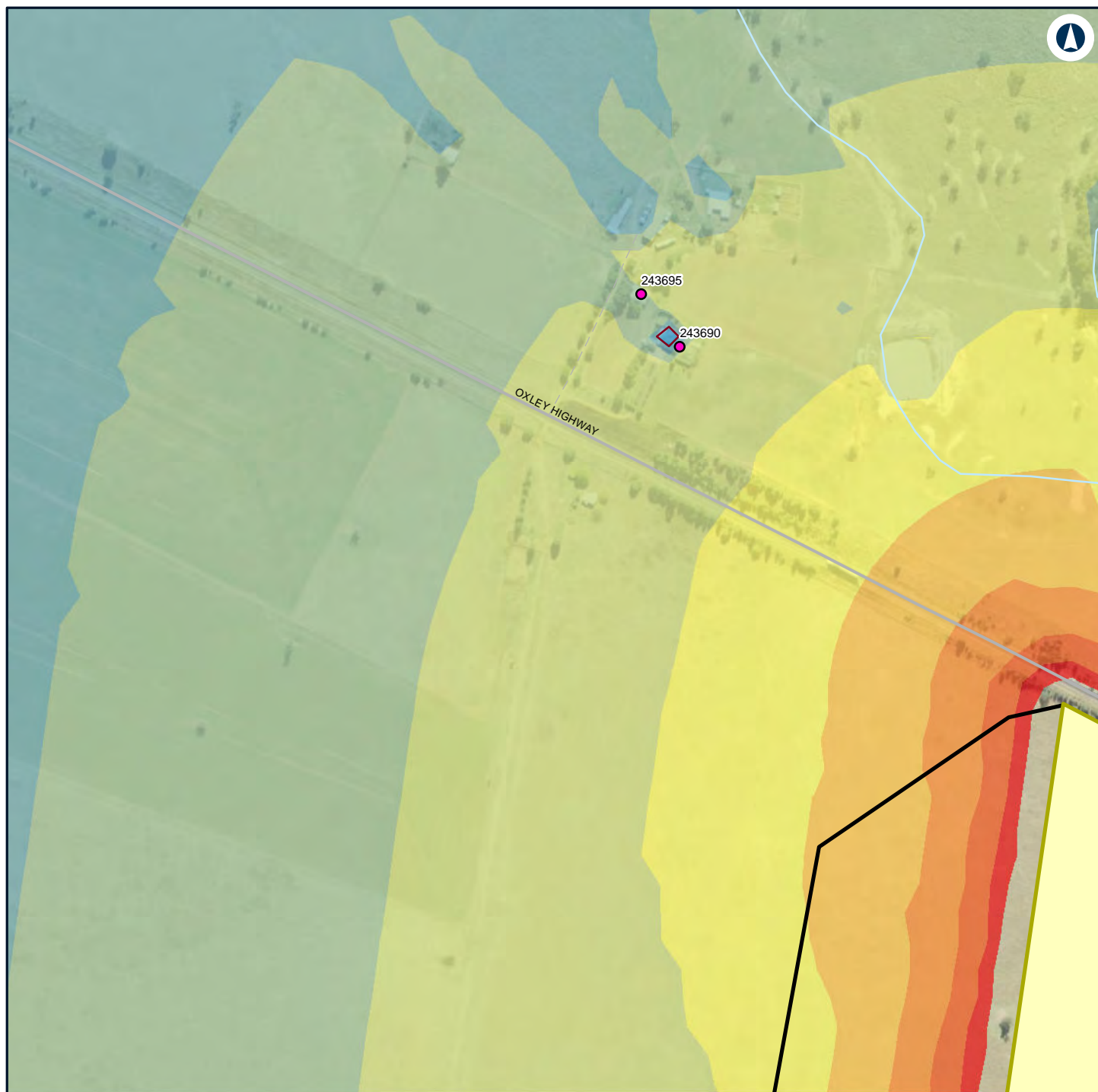
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Legend

Construction footprint

General Compound

Night-time noise management level

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 99 of 249

0 0.1 0.2
Km

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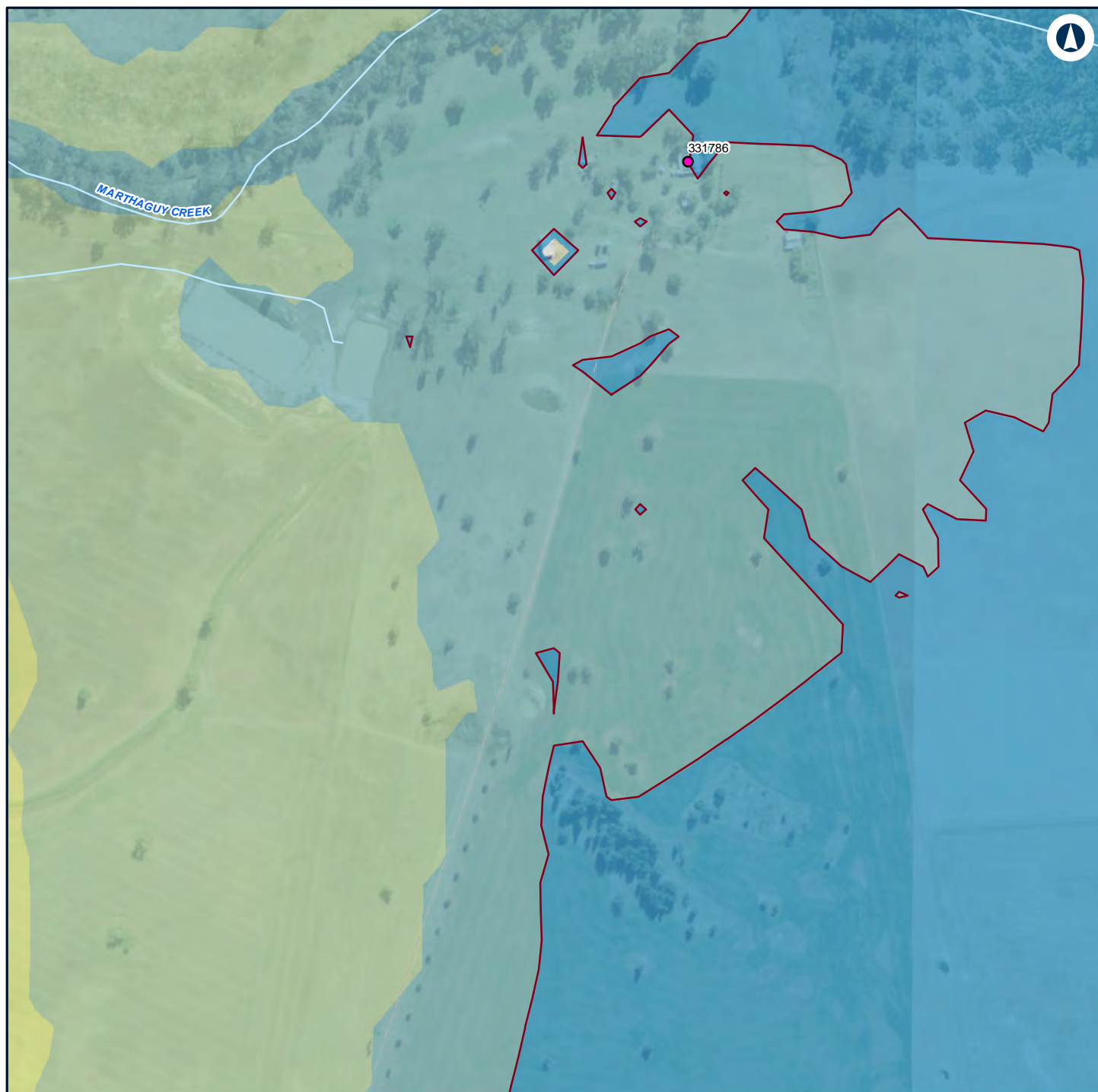
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 100 of 249

0 0.1 0.2
Km

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 101 of 249

0 0.1 0.2
Km

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI
Construction noise contours, Construction Infrastructure (combined)
Appendix H - Page 103 of 249

0
0.1
0.2
Km

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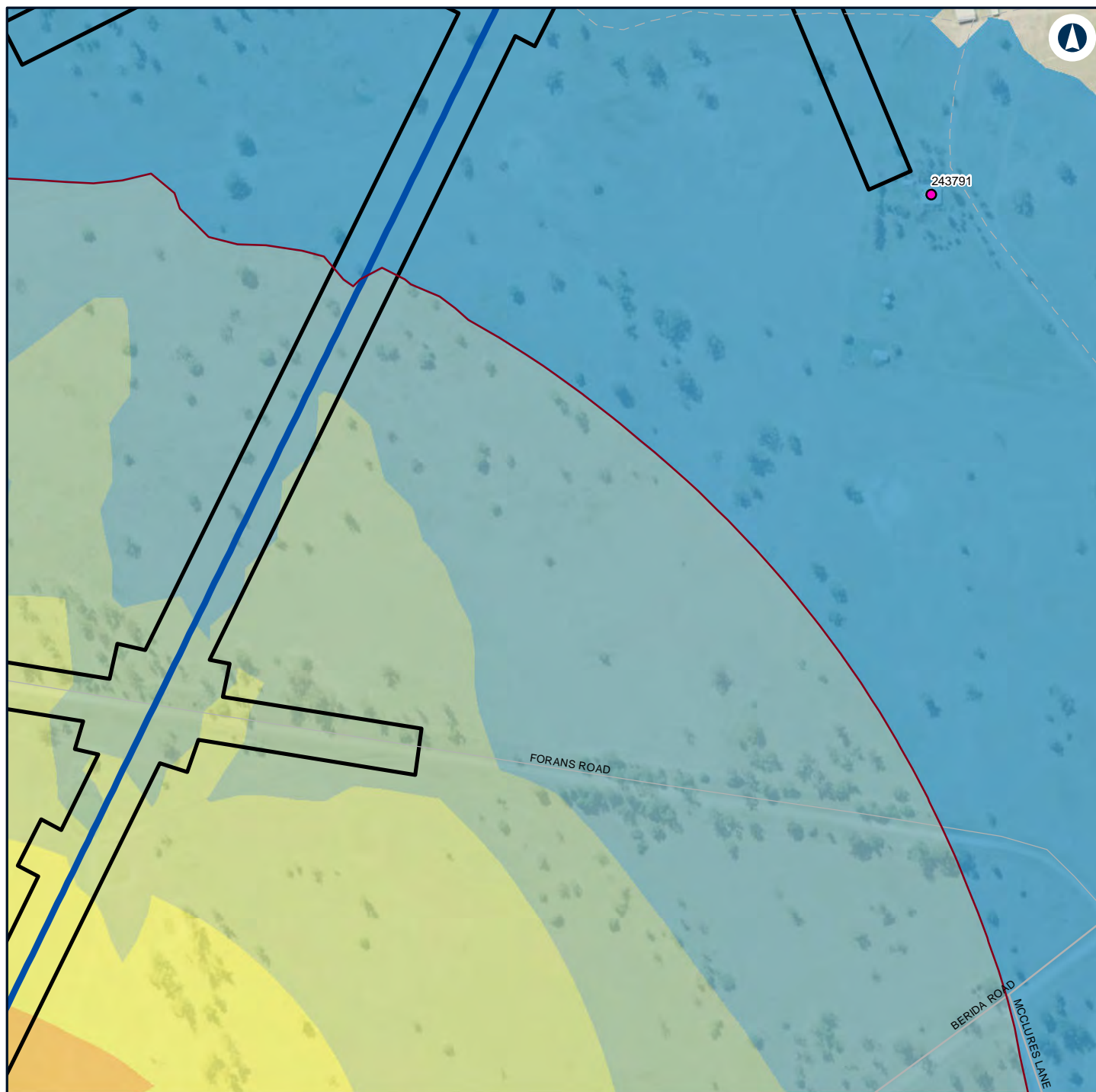
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Legend

Construction footprint

Night-time noise management level

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

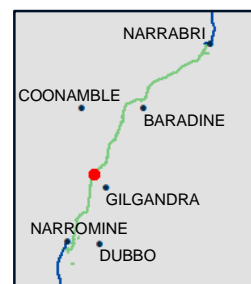
35 - 40

40 - 45

45 - 50

50 - 55

55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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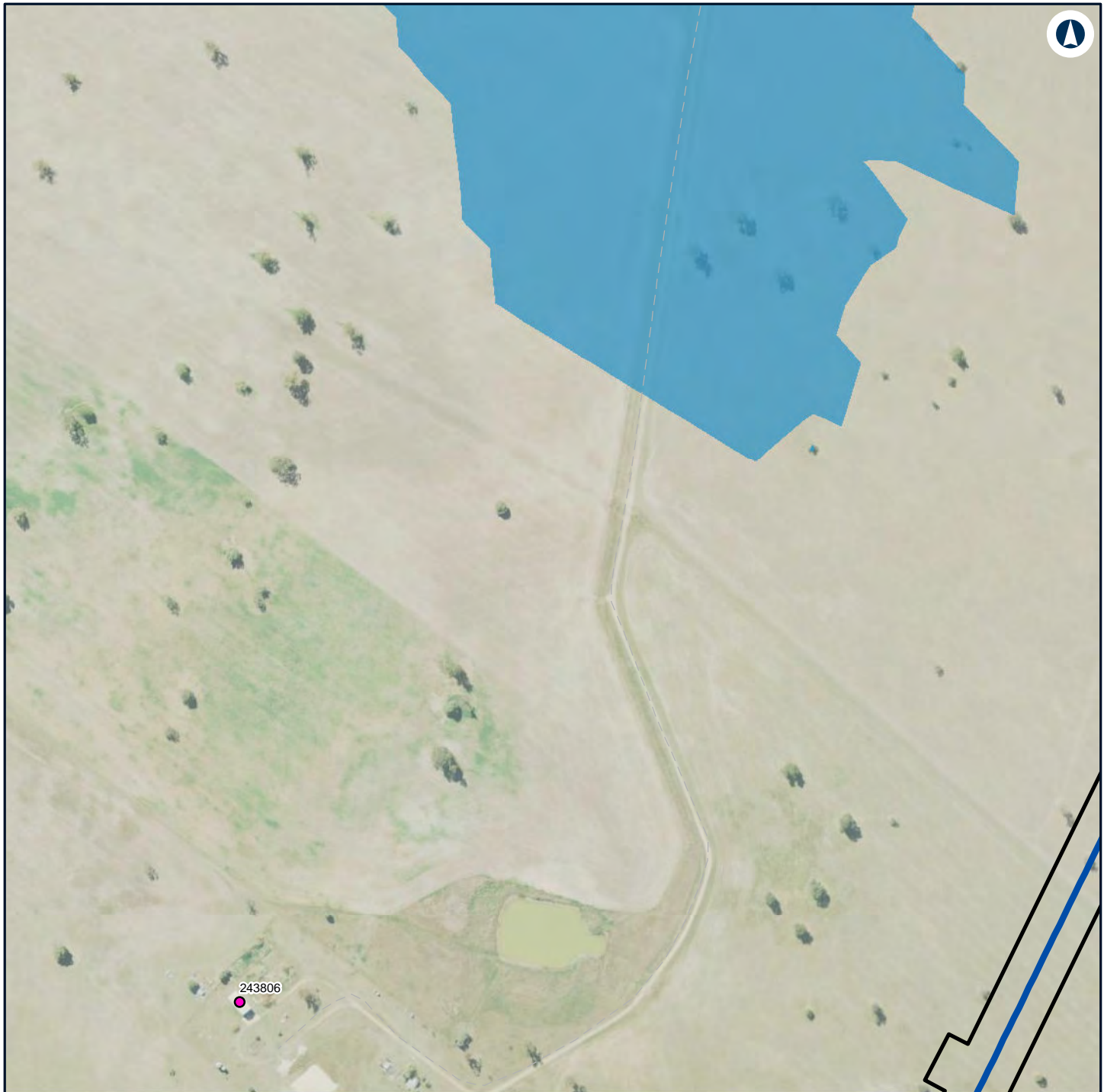
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

Construction footprint

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

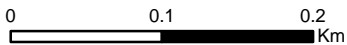
30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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Coordinate System: GDA 1994 MGA Zone 55

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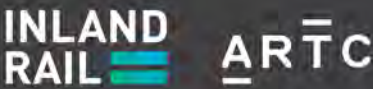
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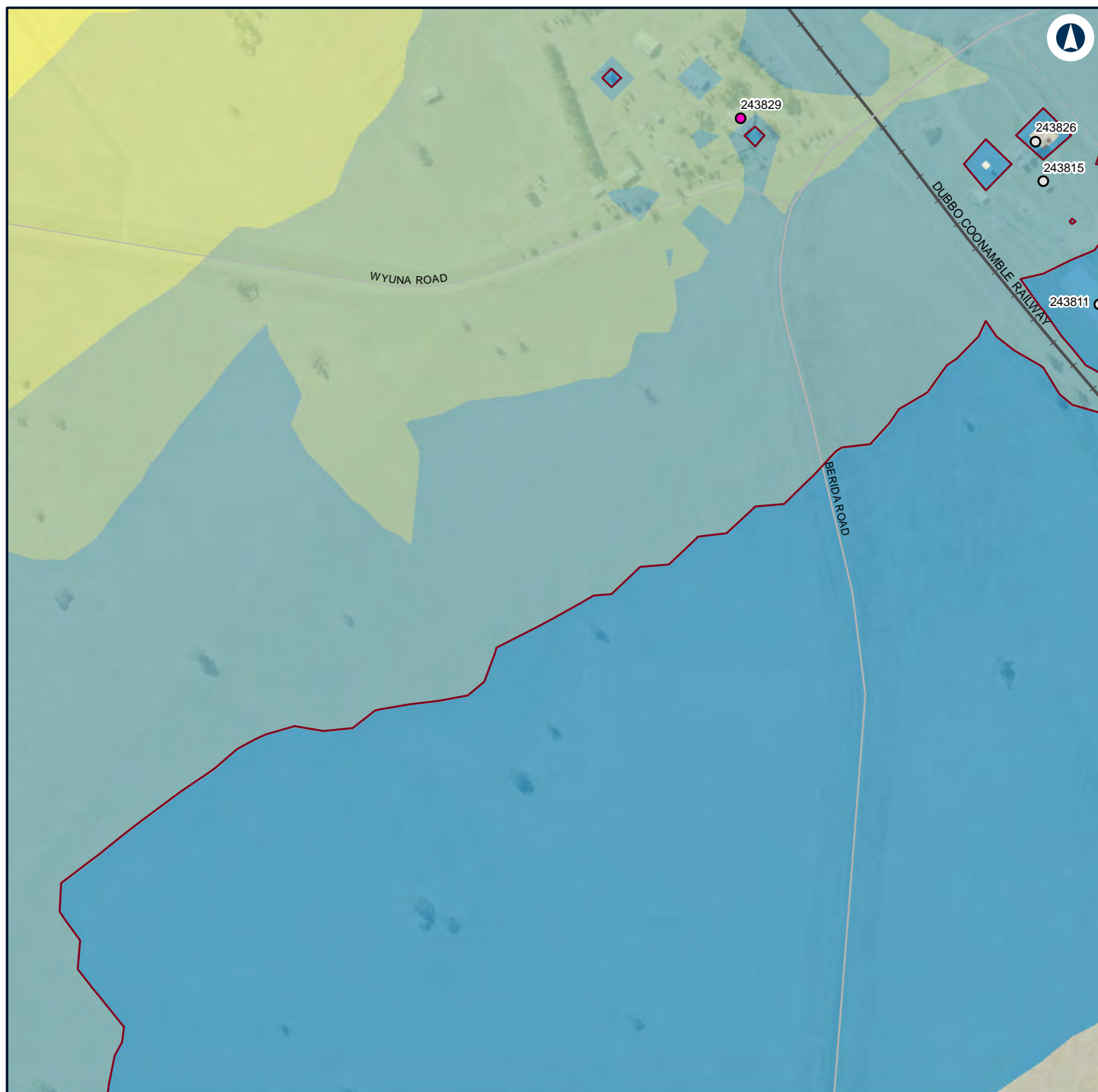
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD



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Legend

— Night-time noise management level

Structure type

- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35
35 - 40
40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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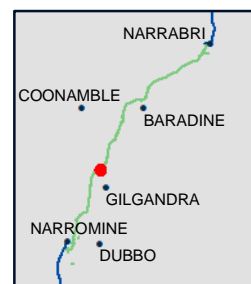
Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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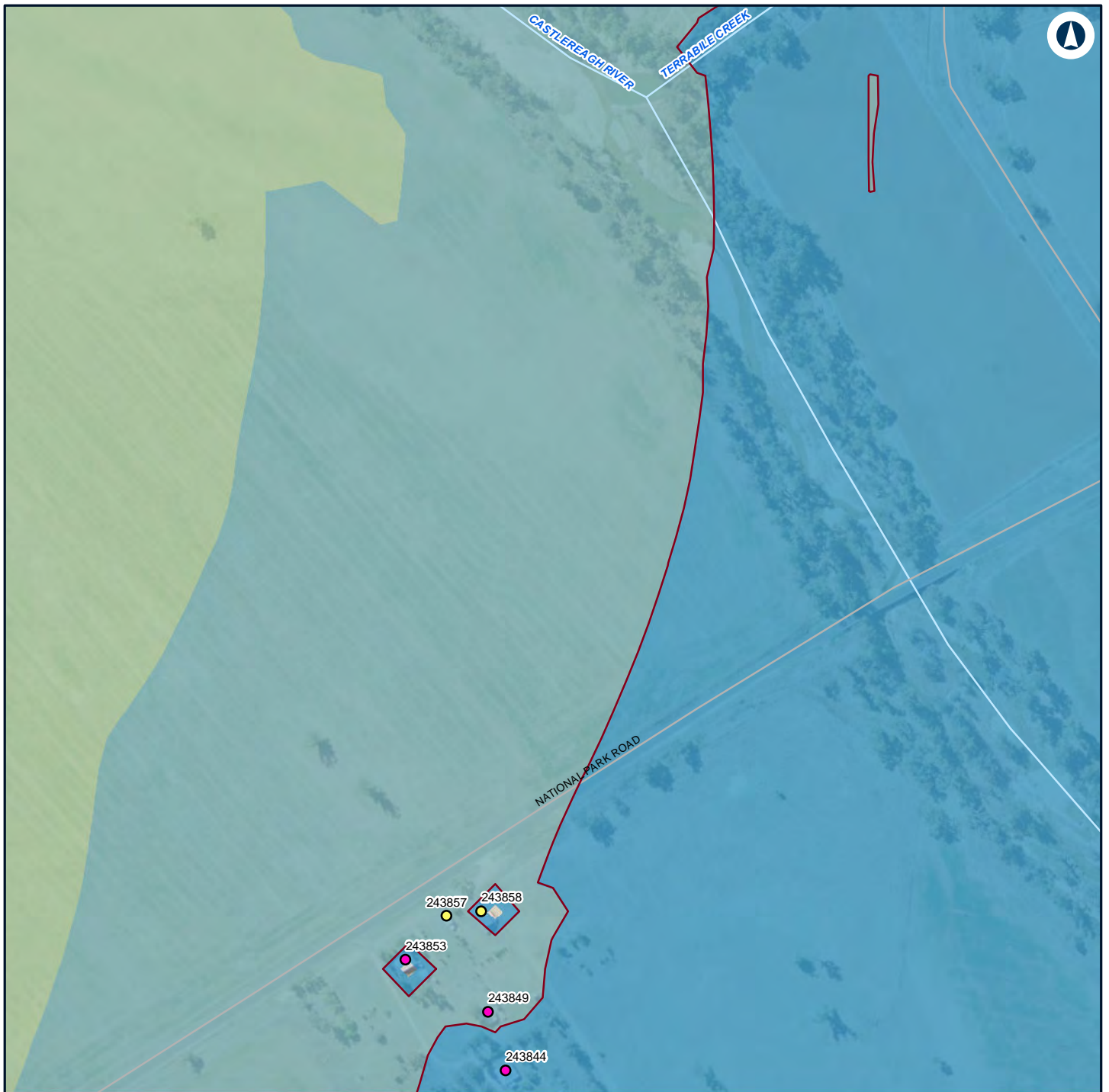
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Legend

— Night-time noise management level

Structure type

- Community
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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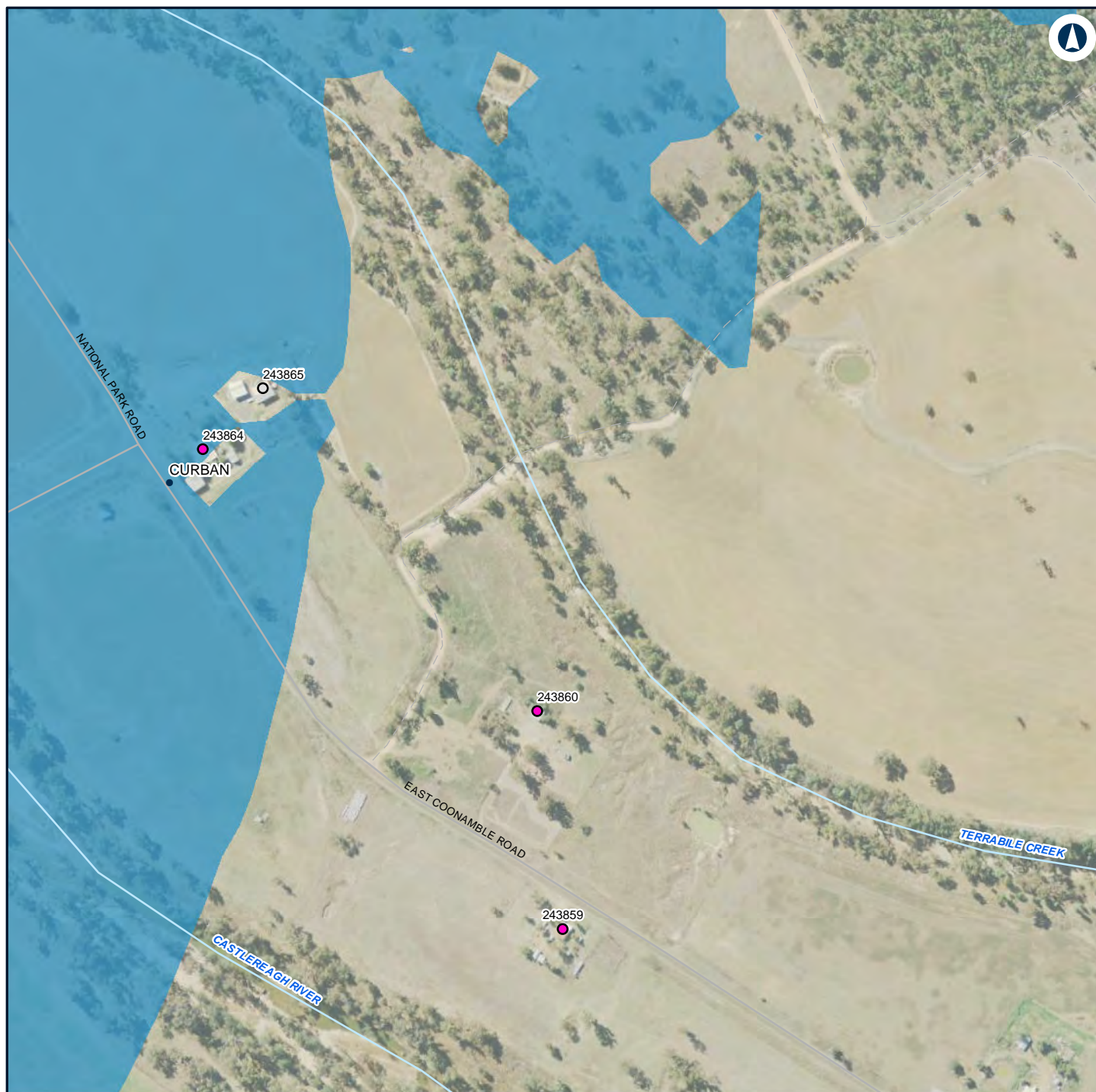
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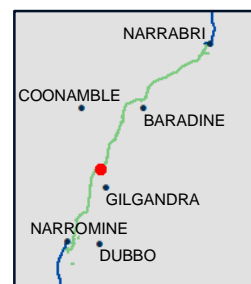
Legend

Structure type

- Active recreation
- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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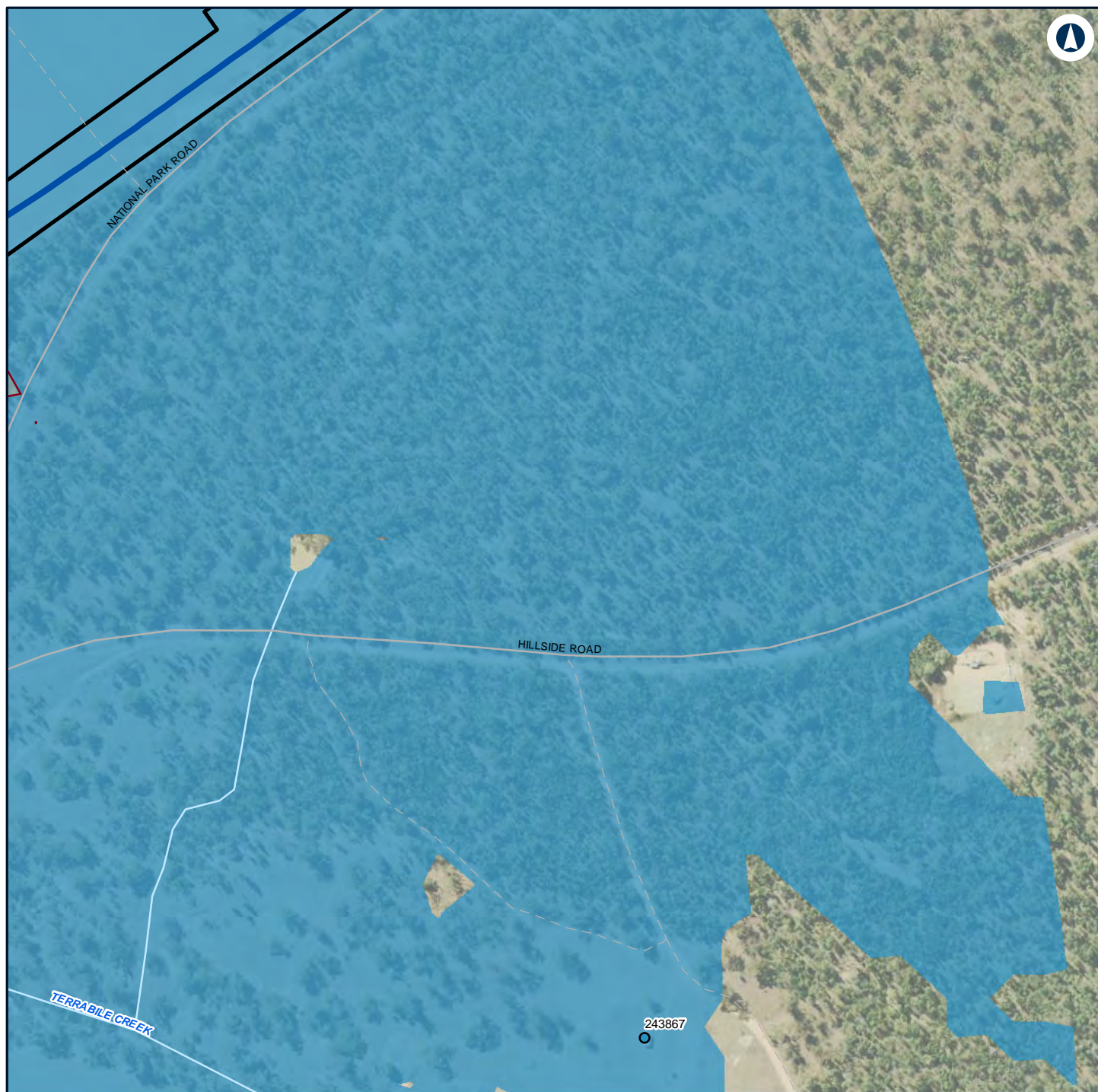
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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Active recreation

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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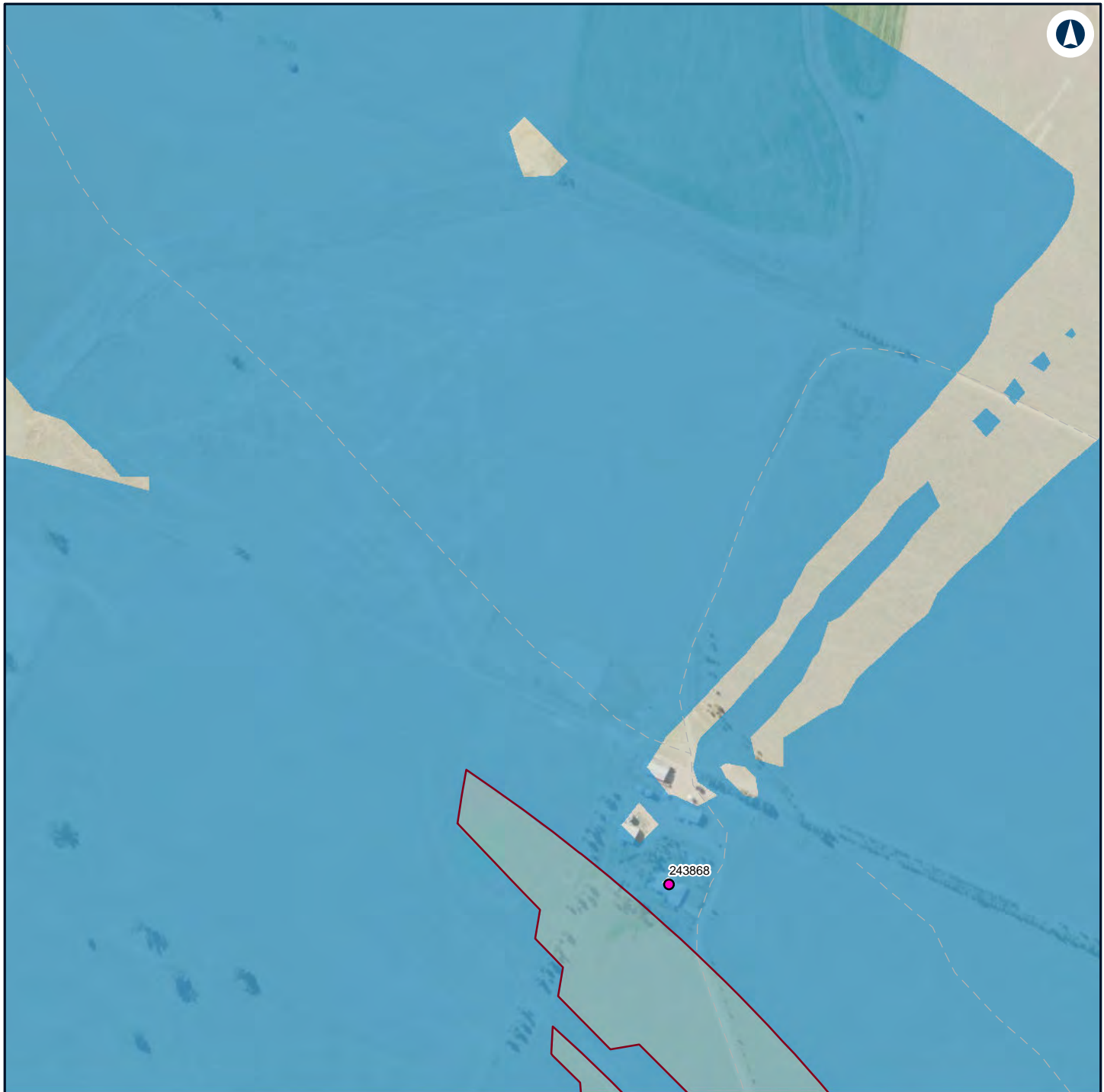
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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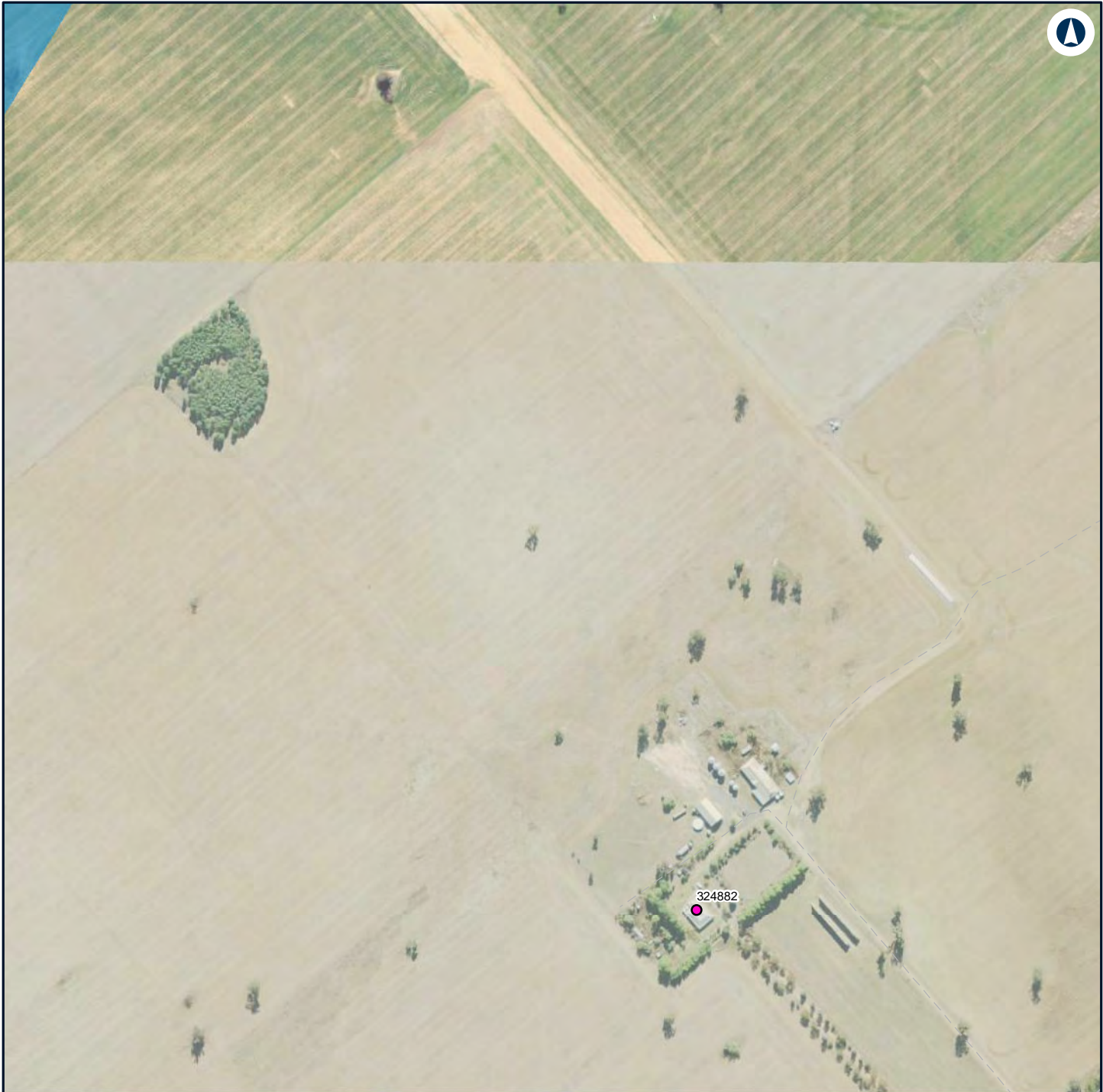
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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Construction noise contours, Construction Infrastructure (combined)

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INLAND RAIL

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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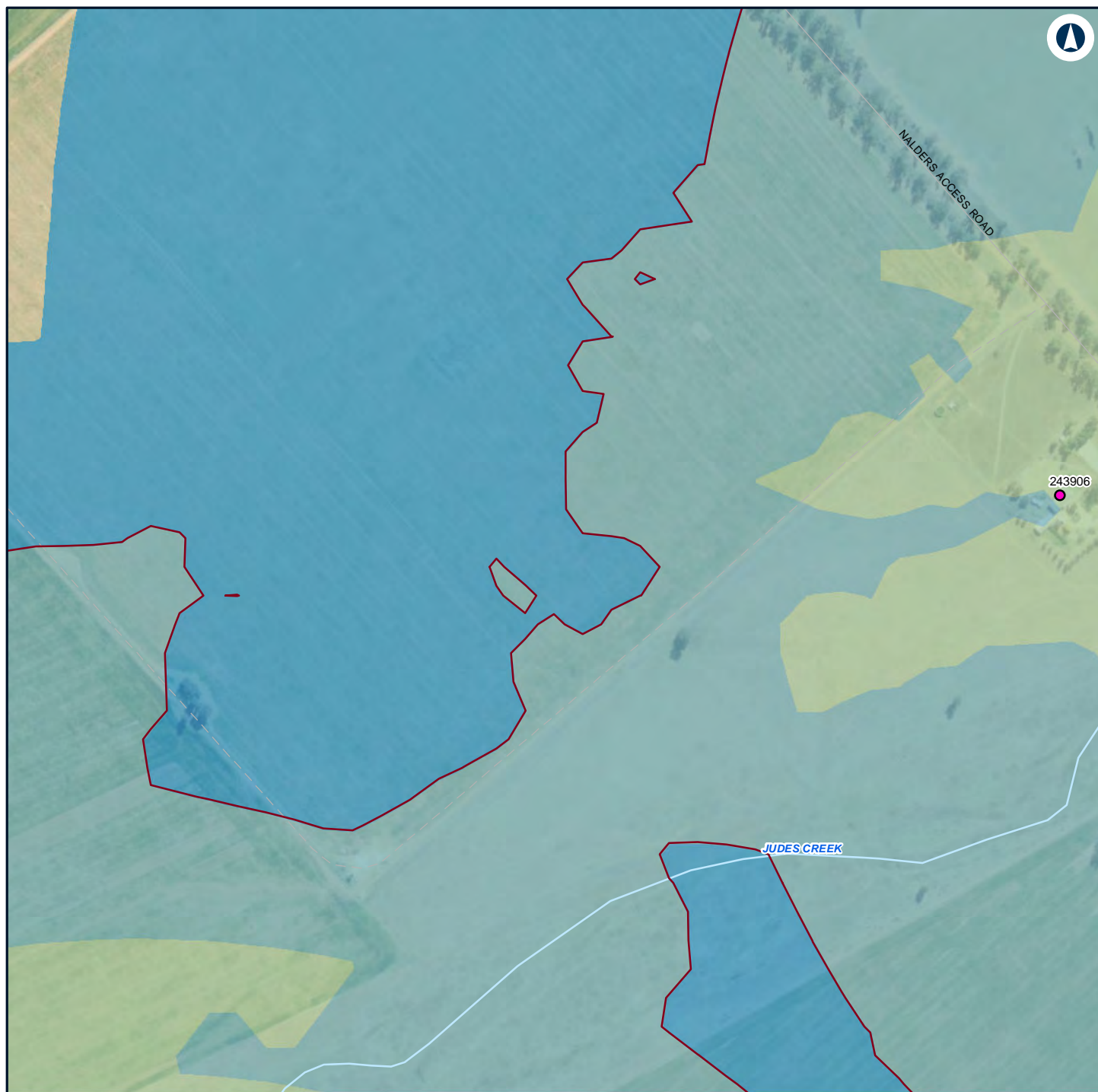
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35
35 - 40
40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 116 of 249

0 0.1 0.2
Km

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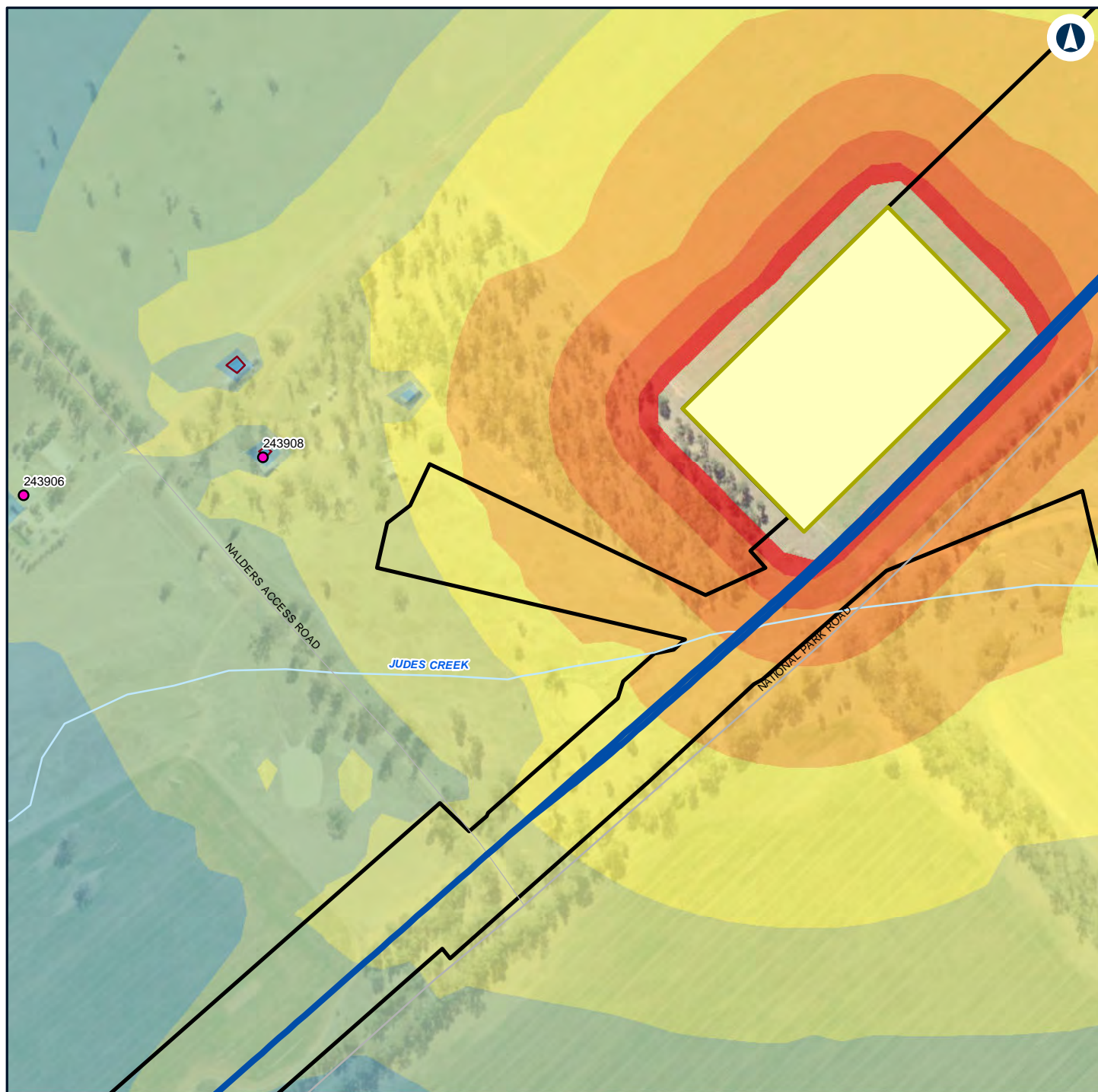
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Legend

- Construction footprint
- General Compound
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40

- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 117 of 249

0 0.1 0.2
Km

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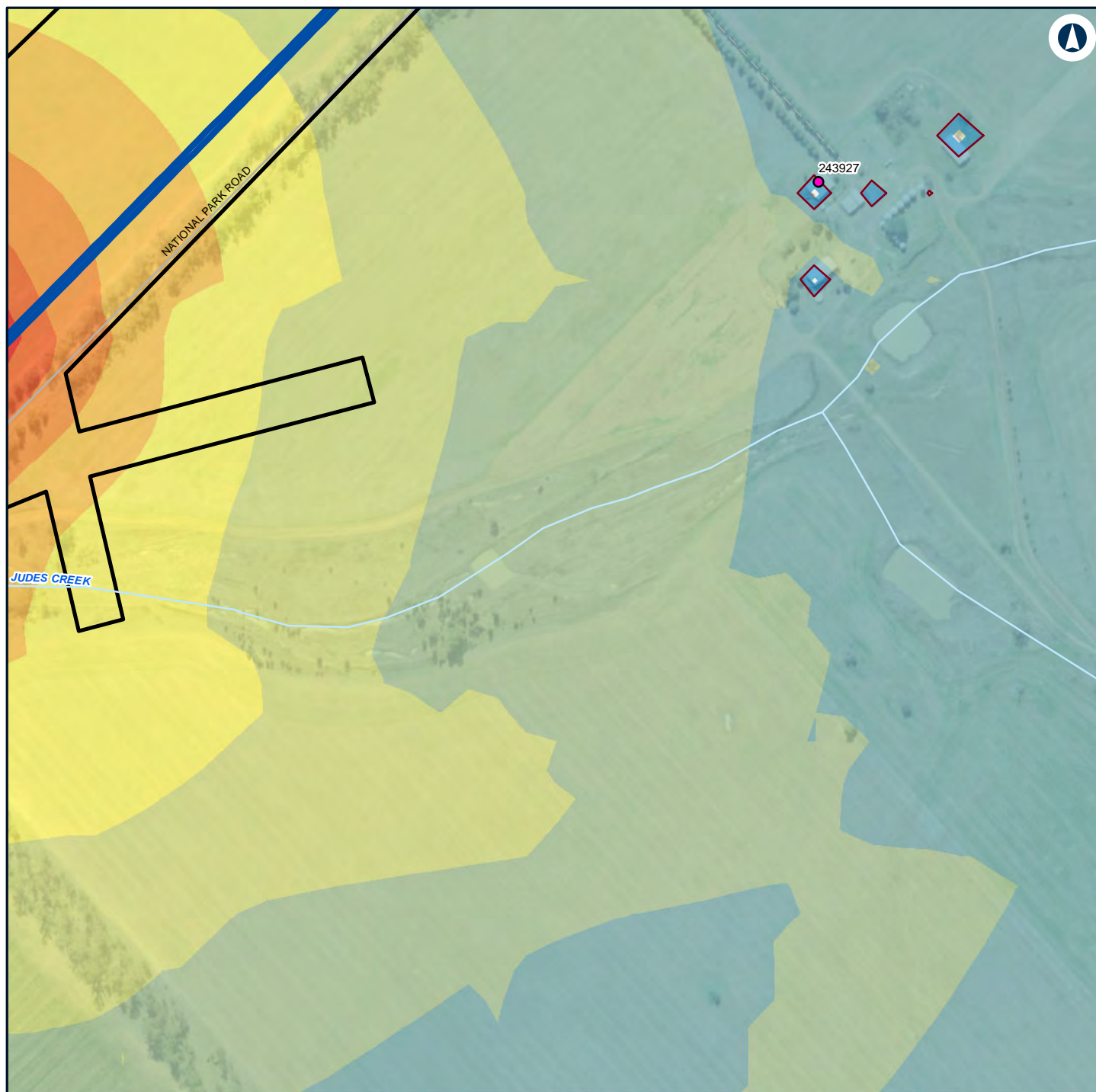
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Legend

Construction footprint

Night-time noise management level

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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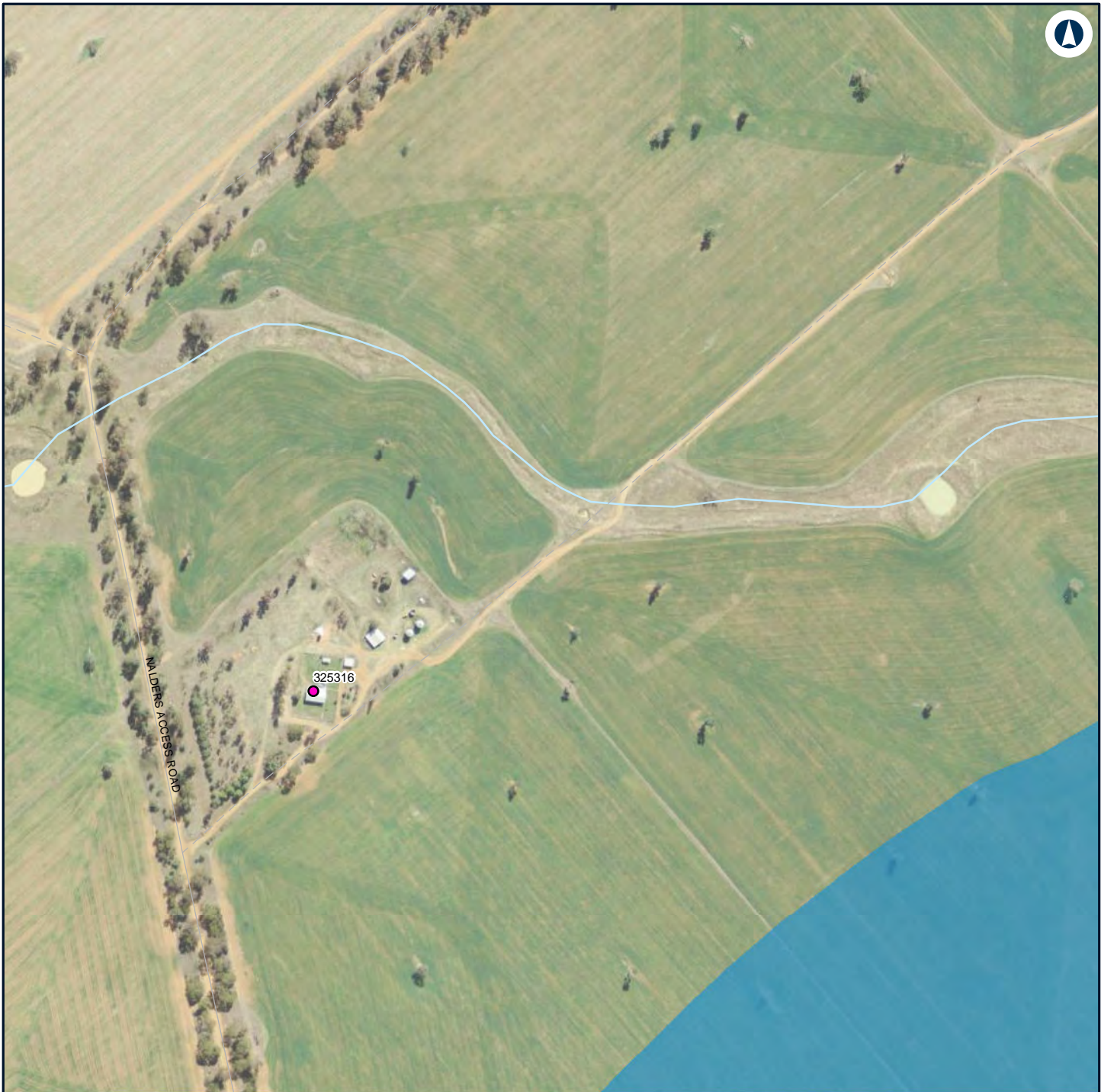
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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

■ 30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0
0.1
0.2

Km

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INLAND RAIL

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 120 of 249

0 0.1 0.2
Km

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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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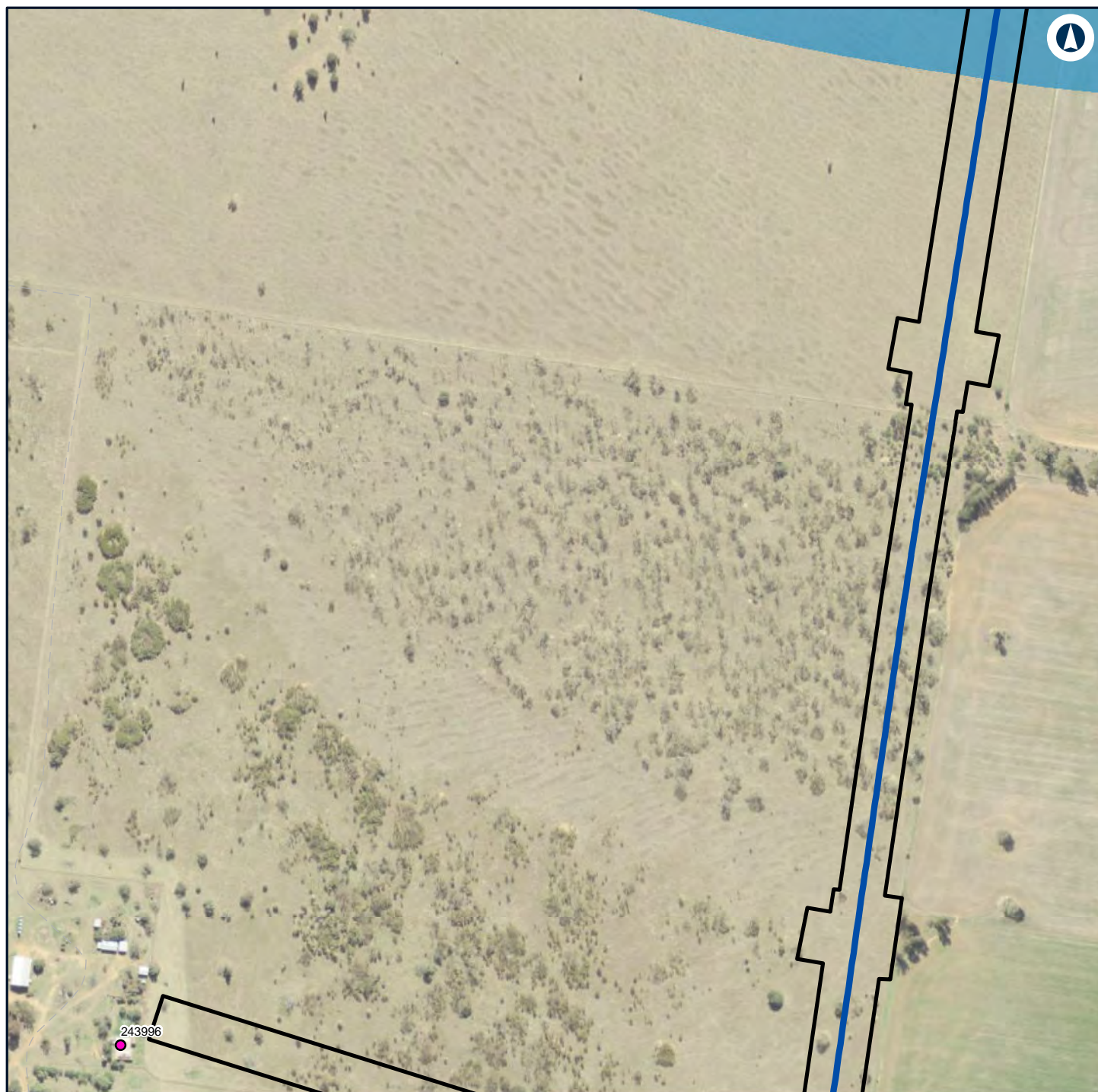
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Legend

Construction footprint

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 122 of 249

0 0.1 0.2
Km

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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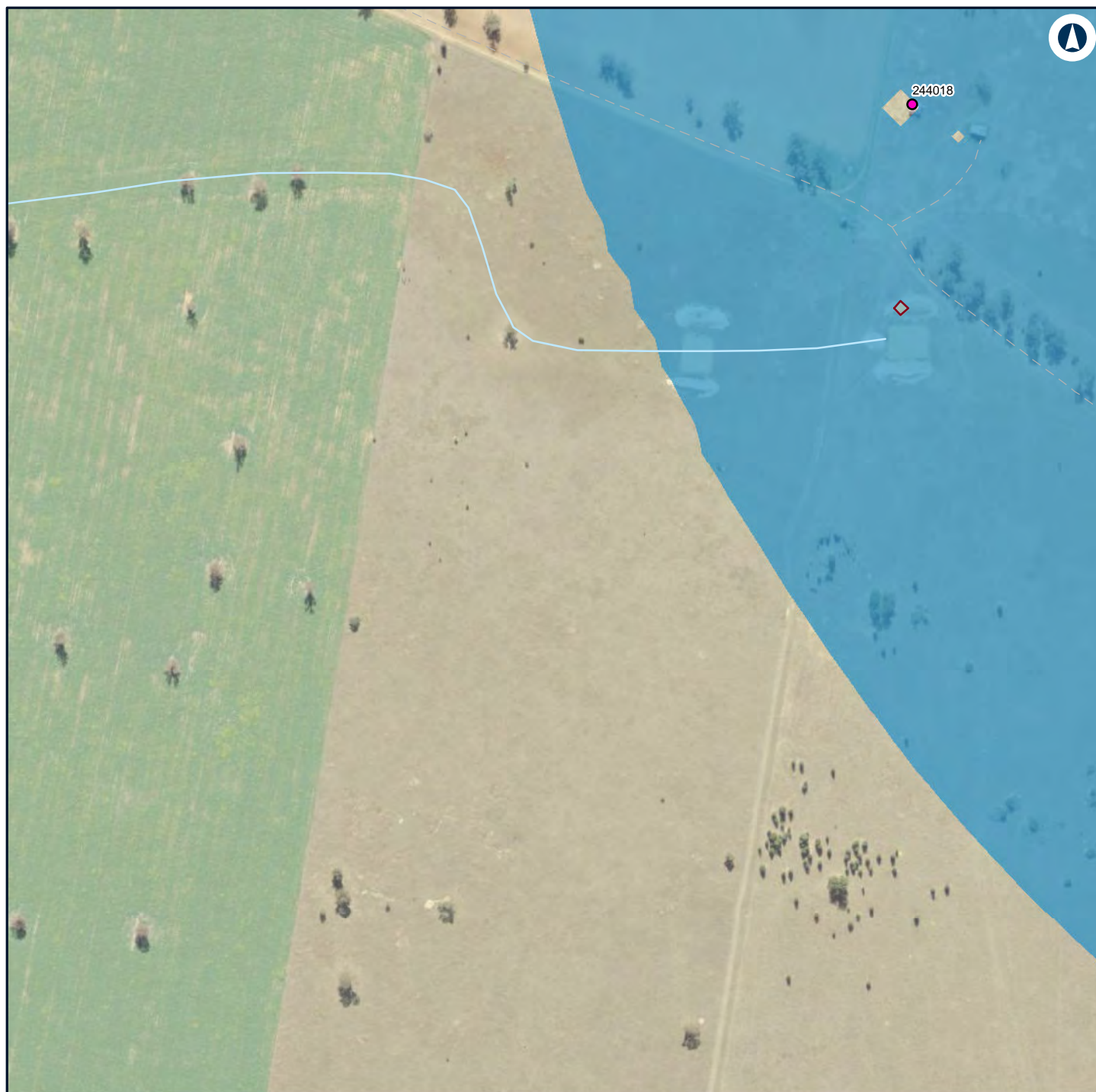
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 124 of 249

0 0.1 0.2
Km

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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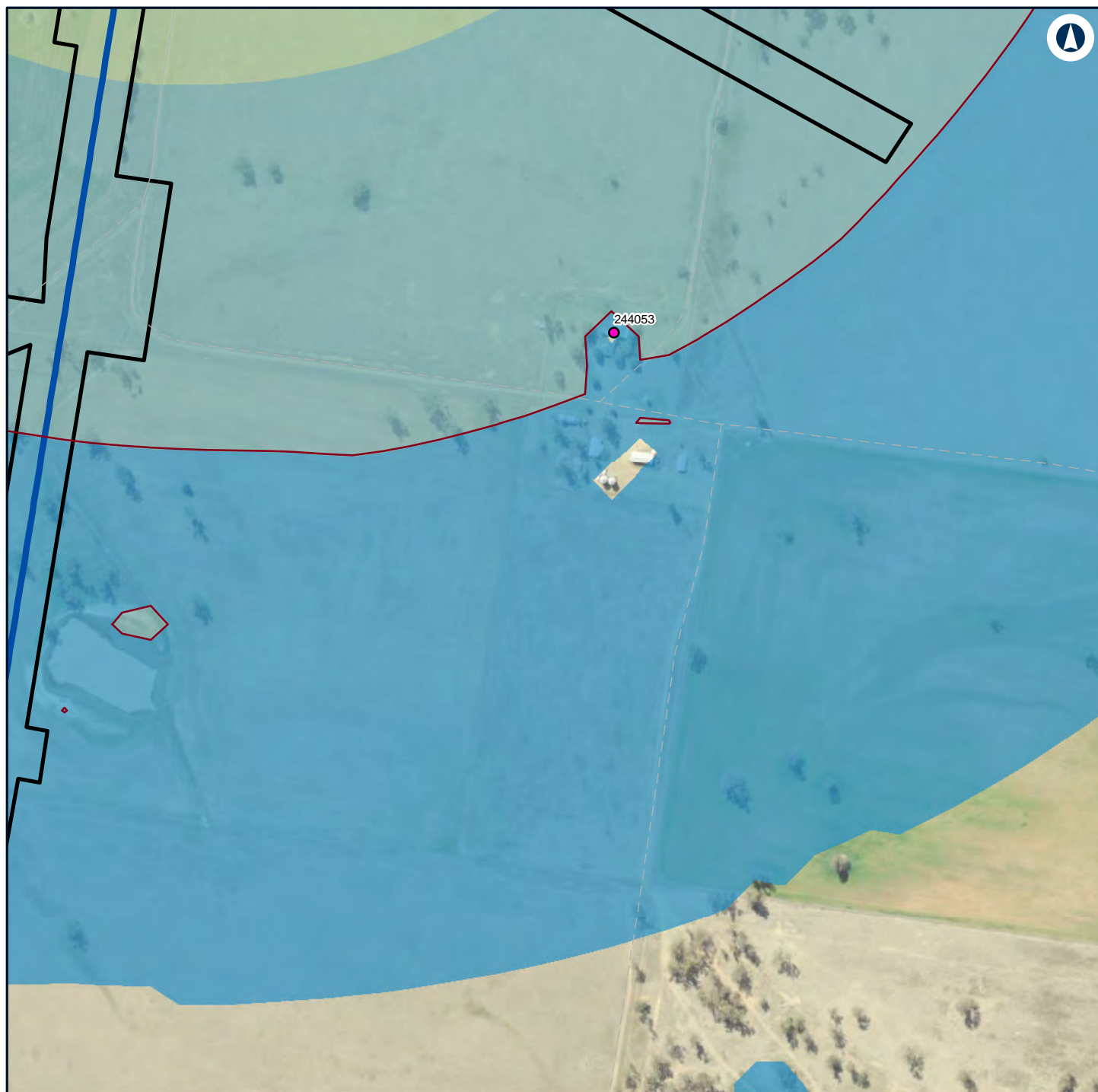
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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 16/07/2020

Paper: A4

Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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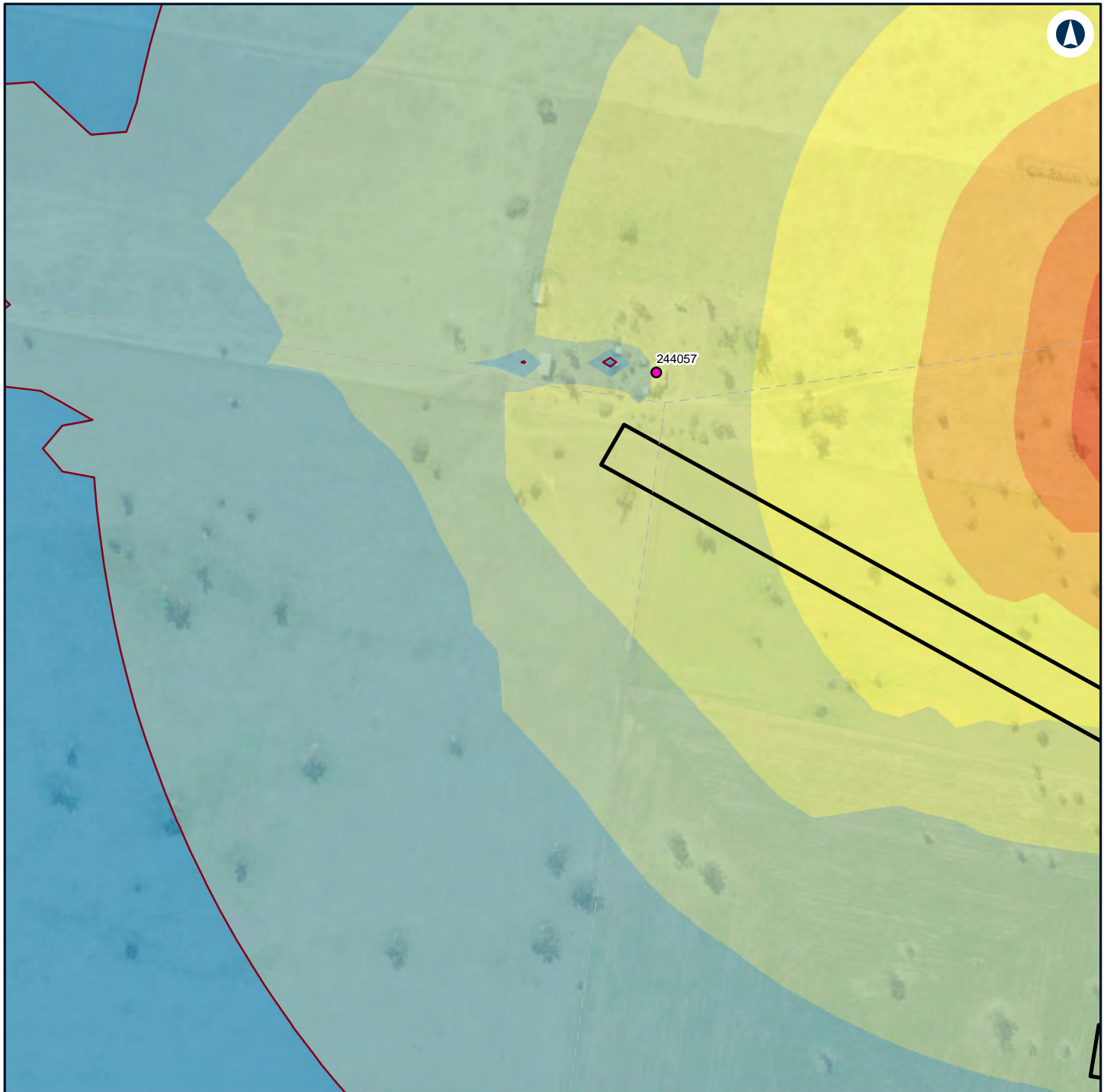
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Legend

Construction footprint

Night-time noise management level

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 131 of 249

0 0.1 0.2
Km

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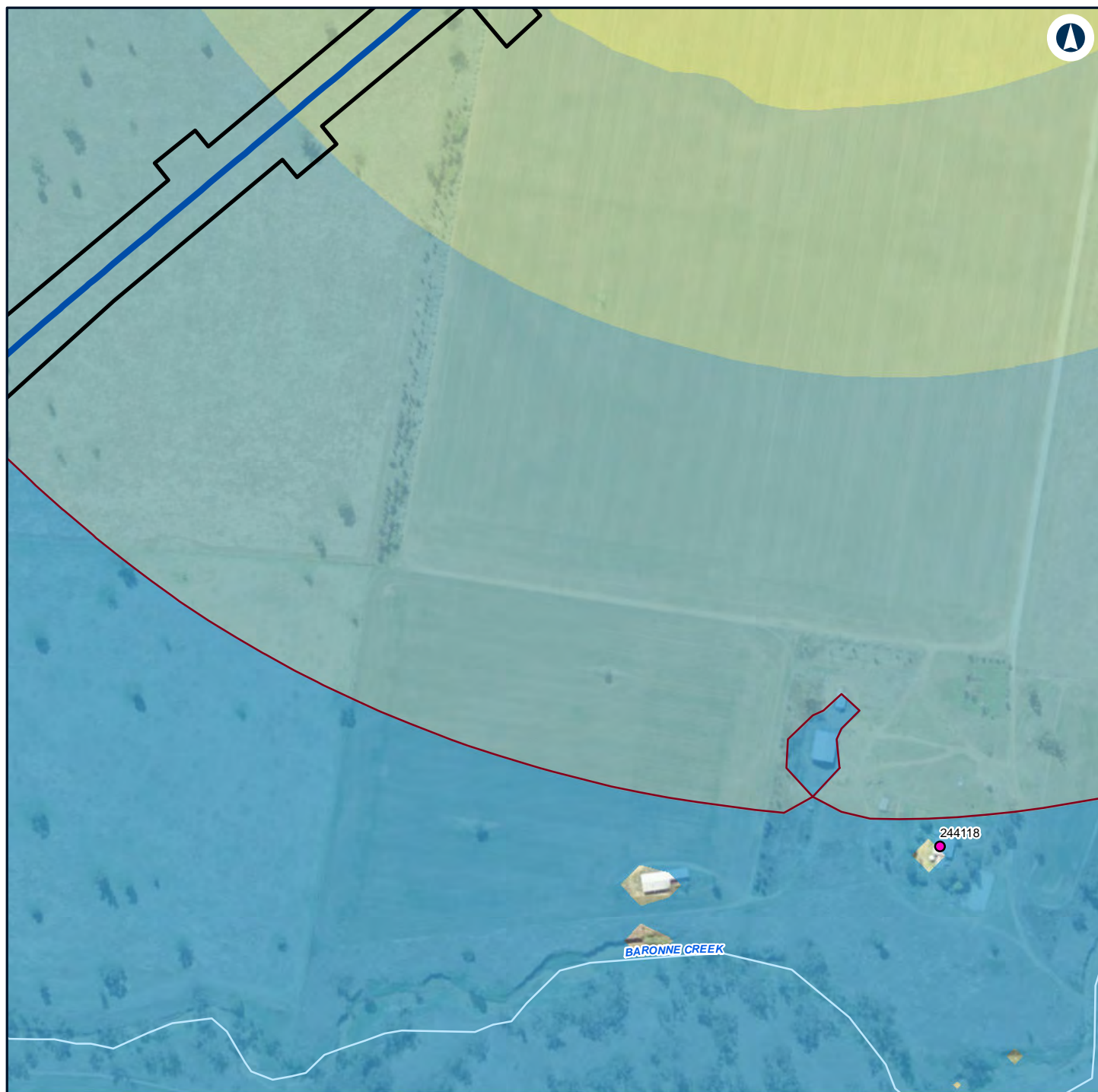
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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 134 of 249

0 0.1 0.2
Km

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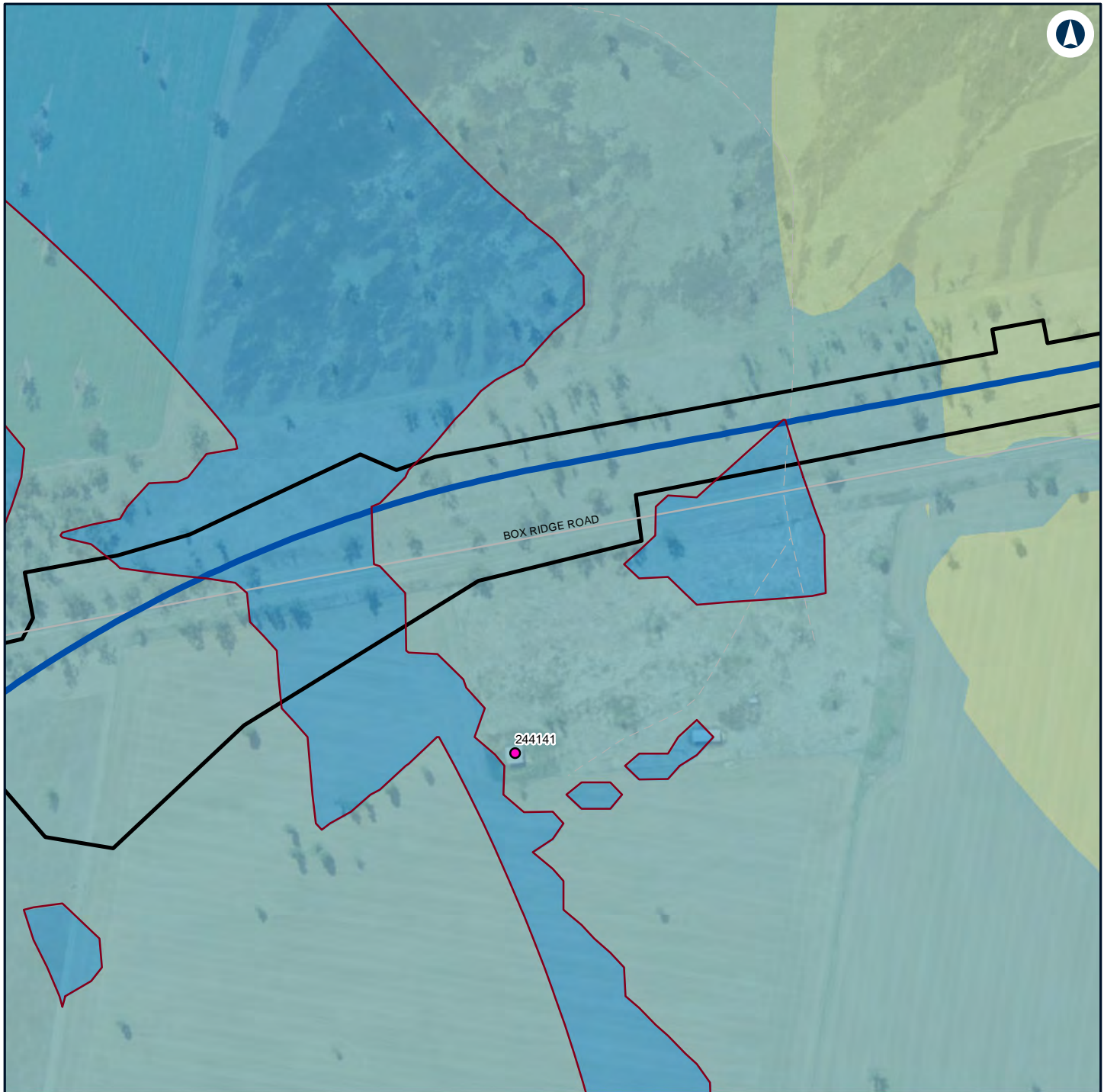
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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 135 of 249

0 0.1 0.2
Km

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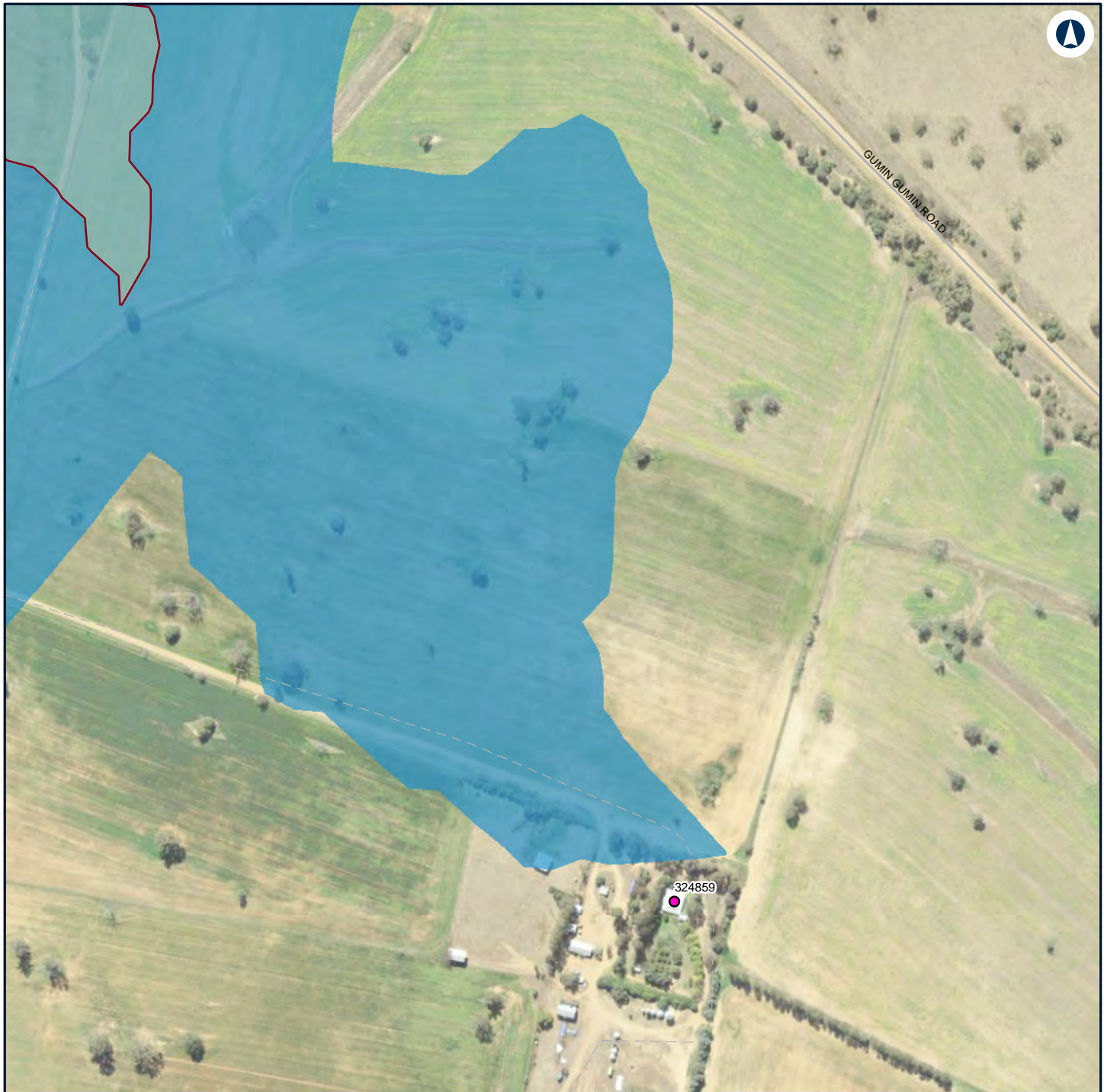
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

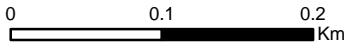
35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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Coordinate System: GDA 1994 MGA Zone 55

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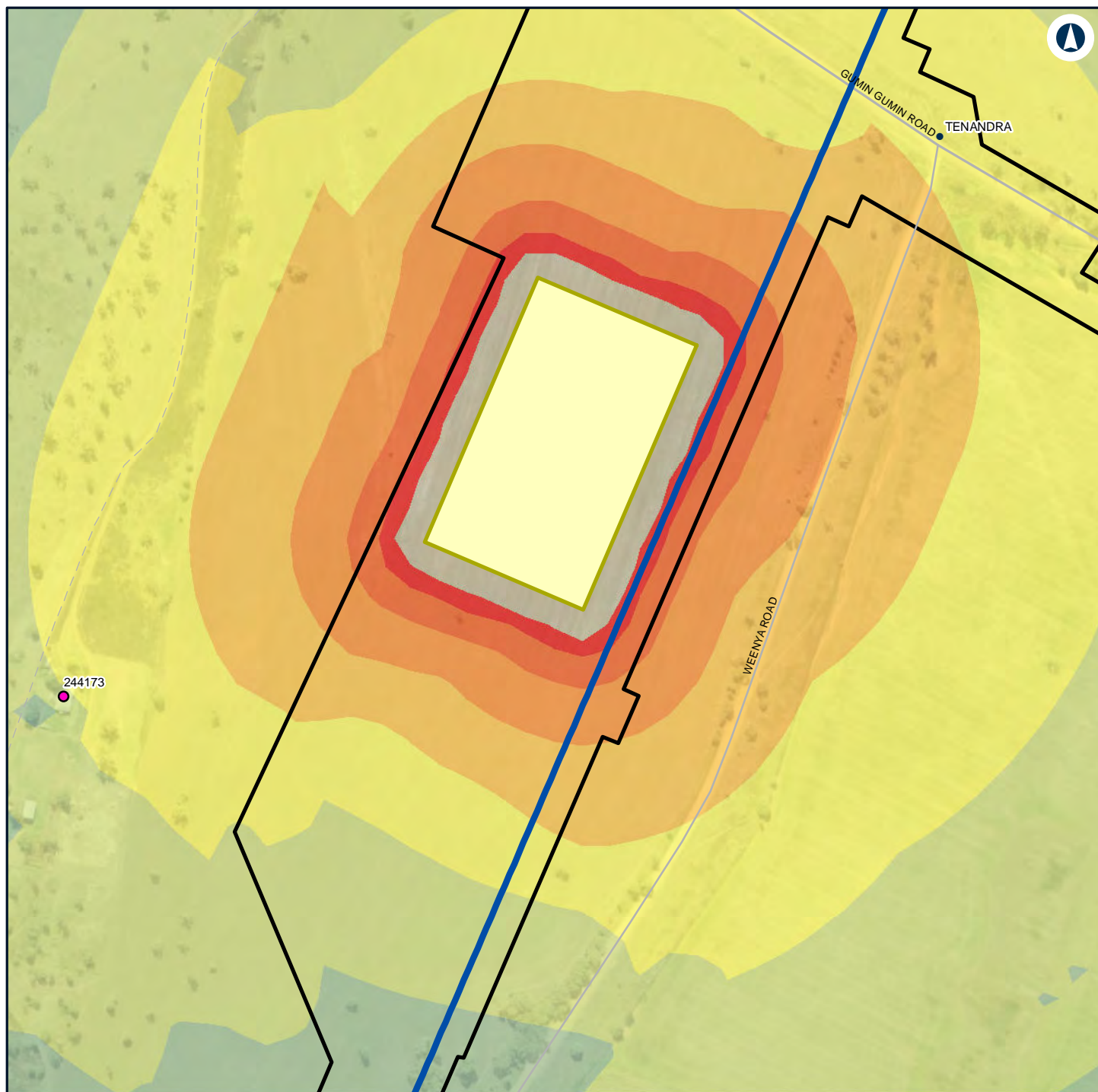
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Legend

- Construction footprint
- General Compound
- Structure type**
- Residential
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75

Noise level (dBA L_{Aeq} 15 minute)

- 40 - 45
- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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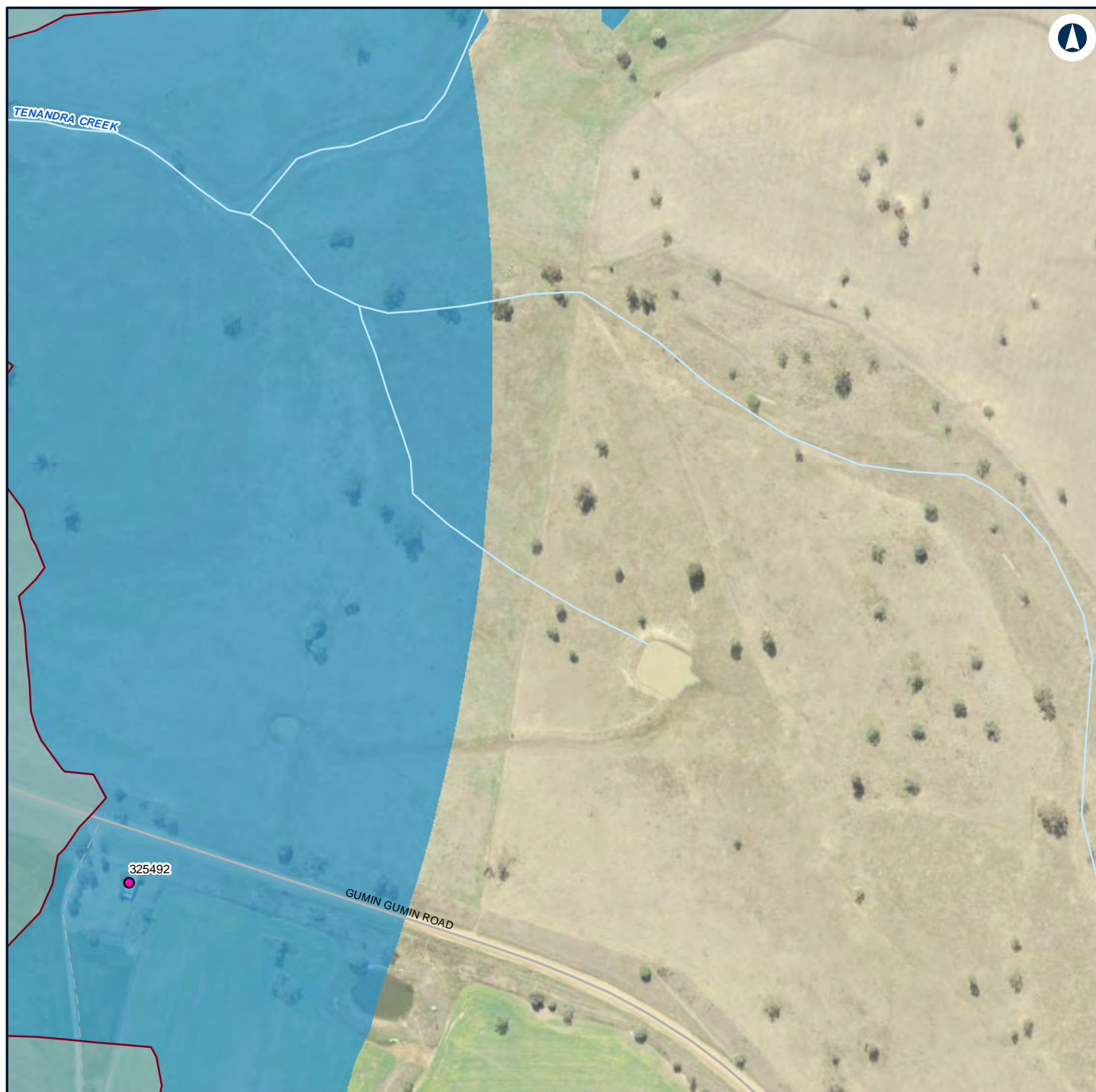
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Legend

— Night-time noise management level

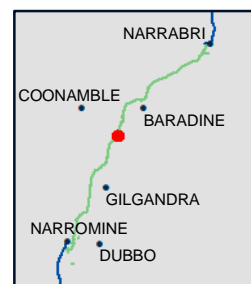
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 138 of 249

0 0.1 0.2
Km

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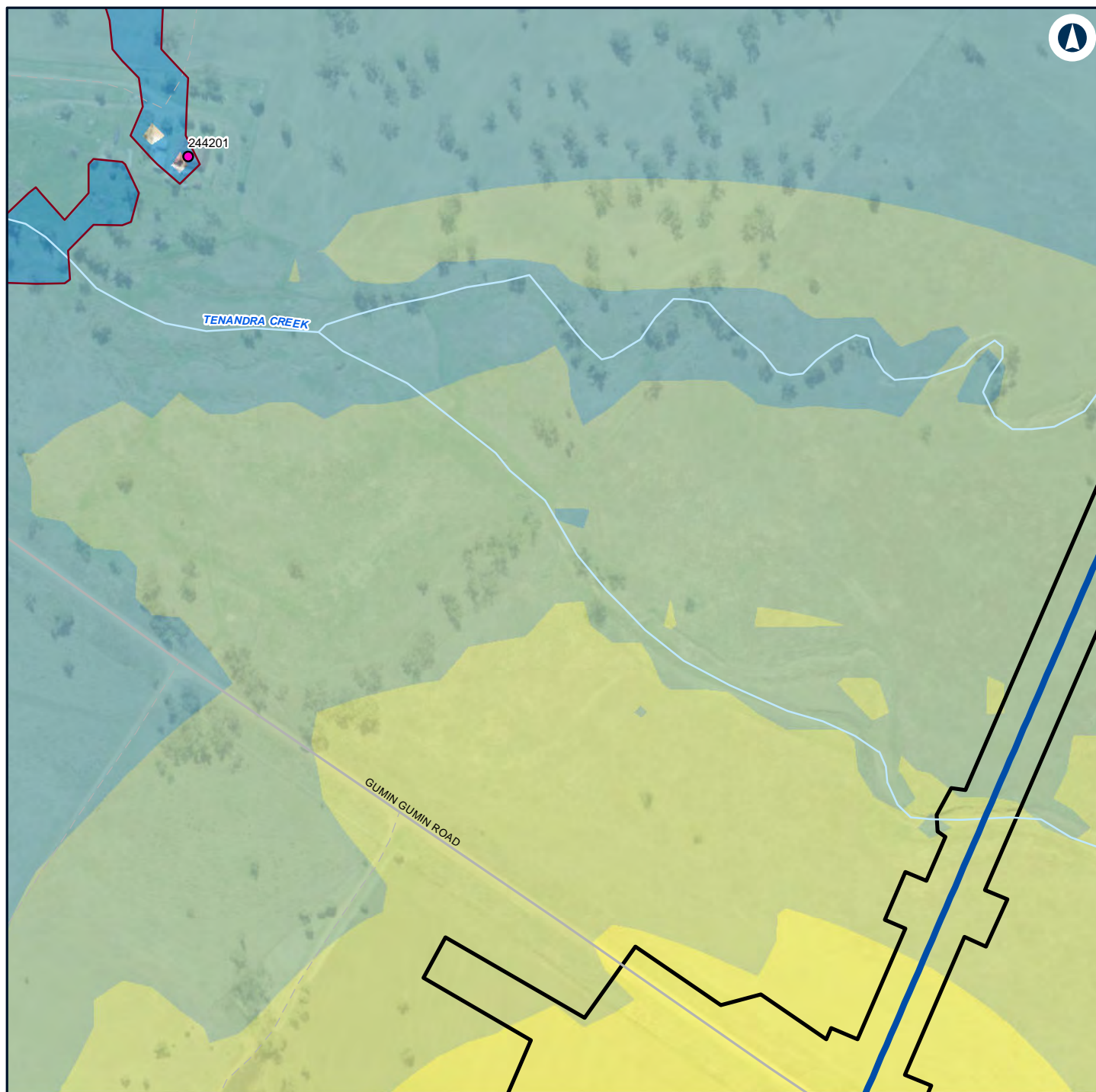
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Legend

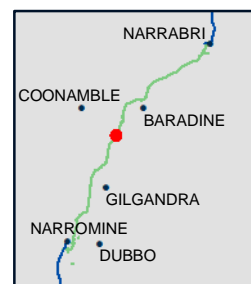
- Construction footprint
- Night-time noise management level
- 45 - 50
- 50 - 55

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 139 of 249

0 0.1 0.2
Km

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 140 of 249

0 0.1 0.2
Km

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 141 of 249

0 0.1 0.2
Km

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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

■ 30 - 35



00.10.2

Km

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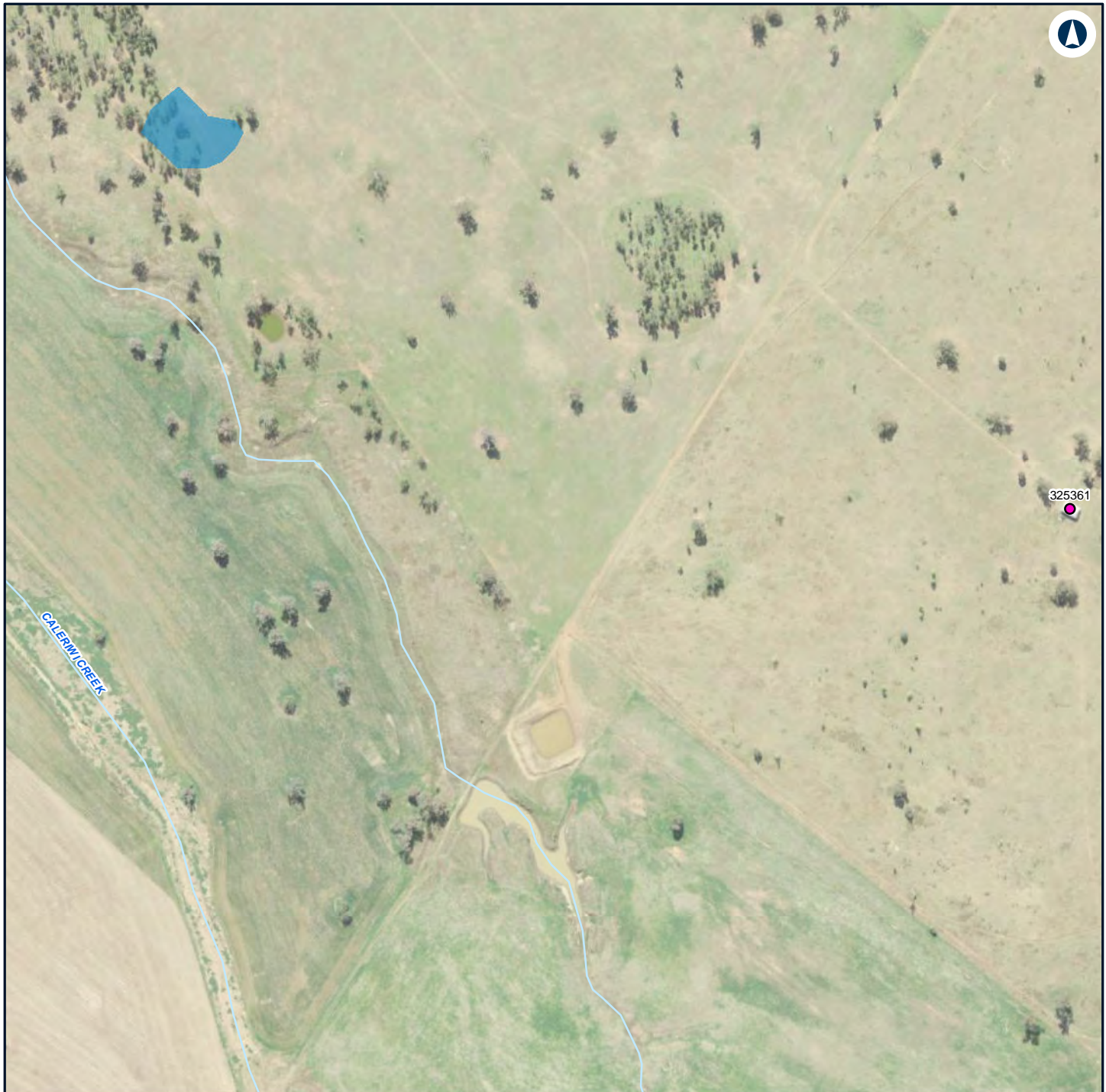
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INLAND RAIL

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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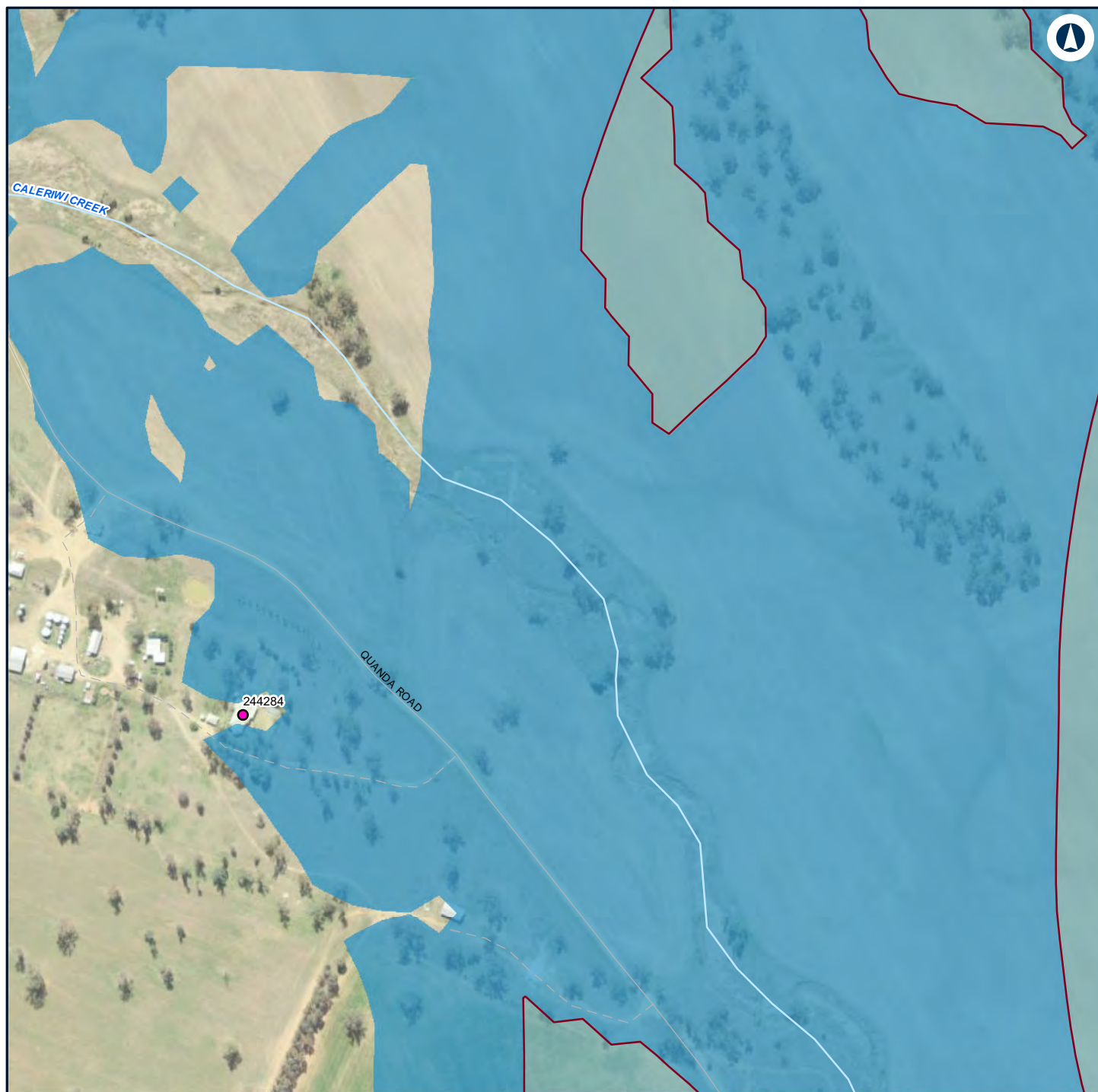
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 144 of 249

0 0.1 0.2
Km

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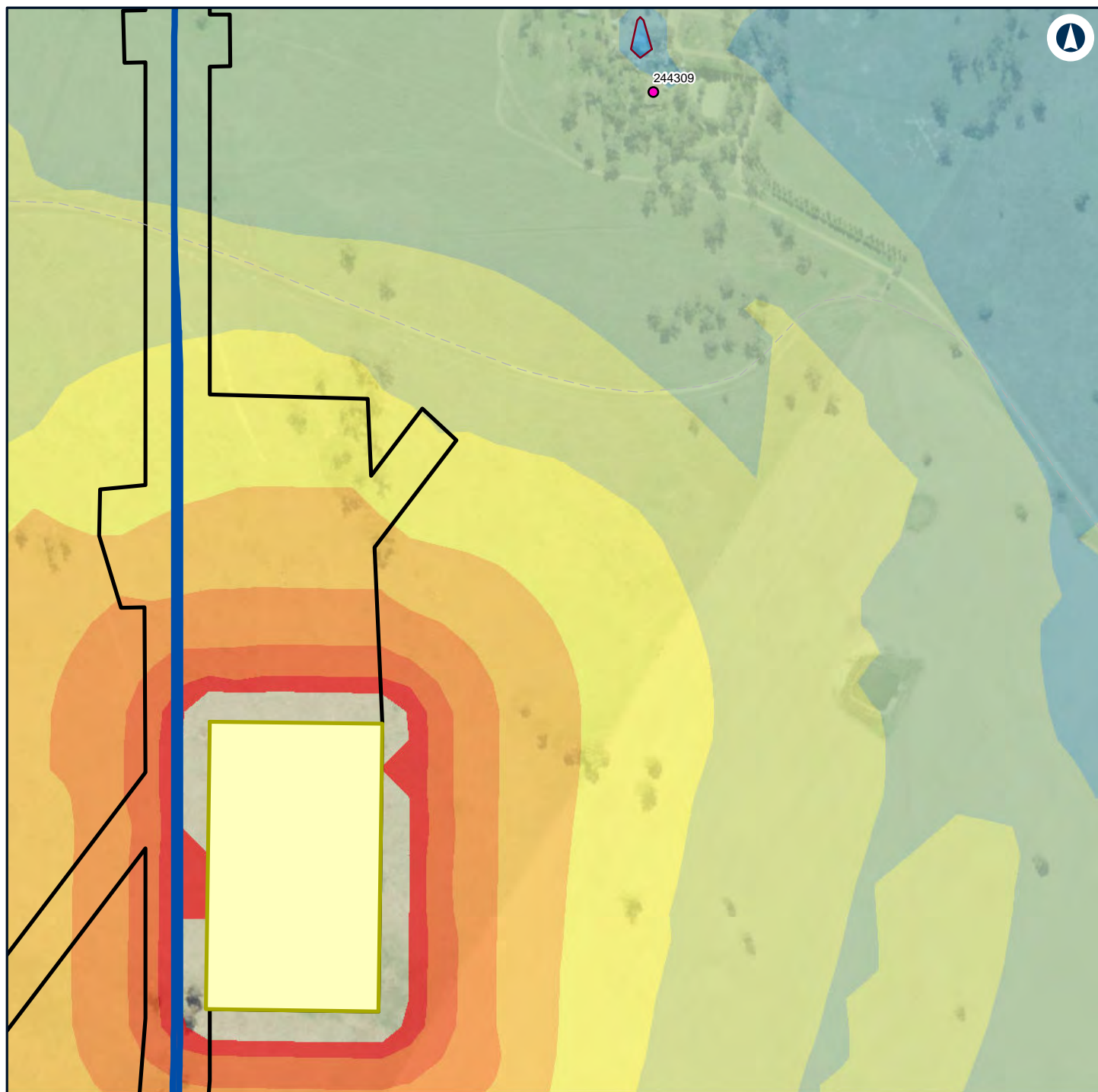
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Legend

- Construction footprint
- General Compound
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40

- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 146 of 249

0 0.1 0.2
Km

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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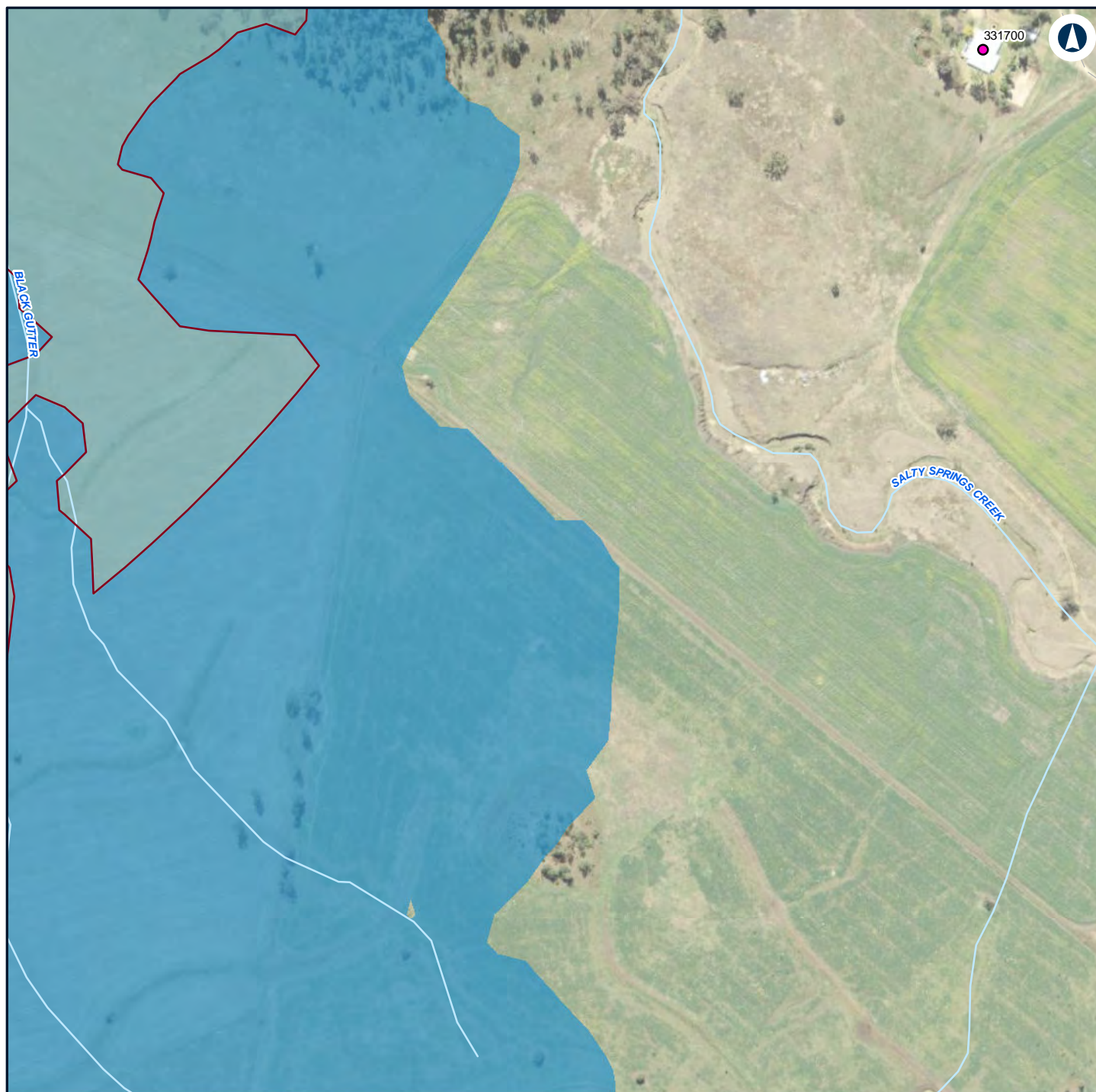
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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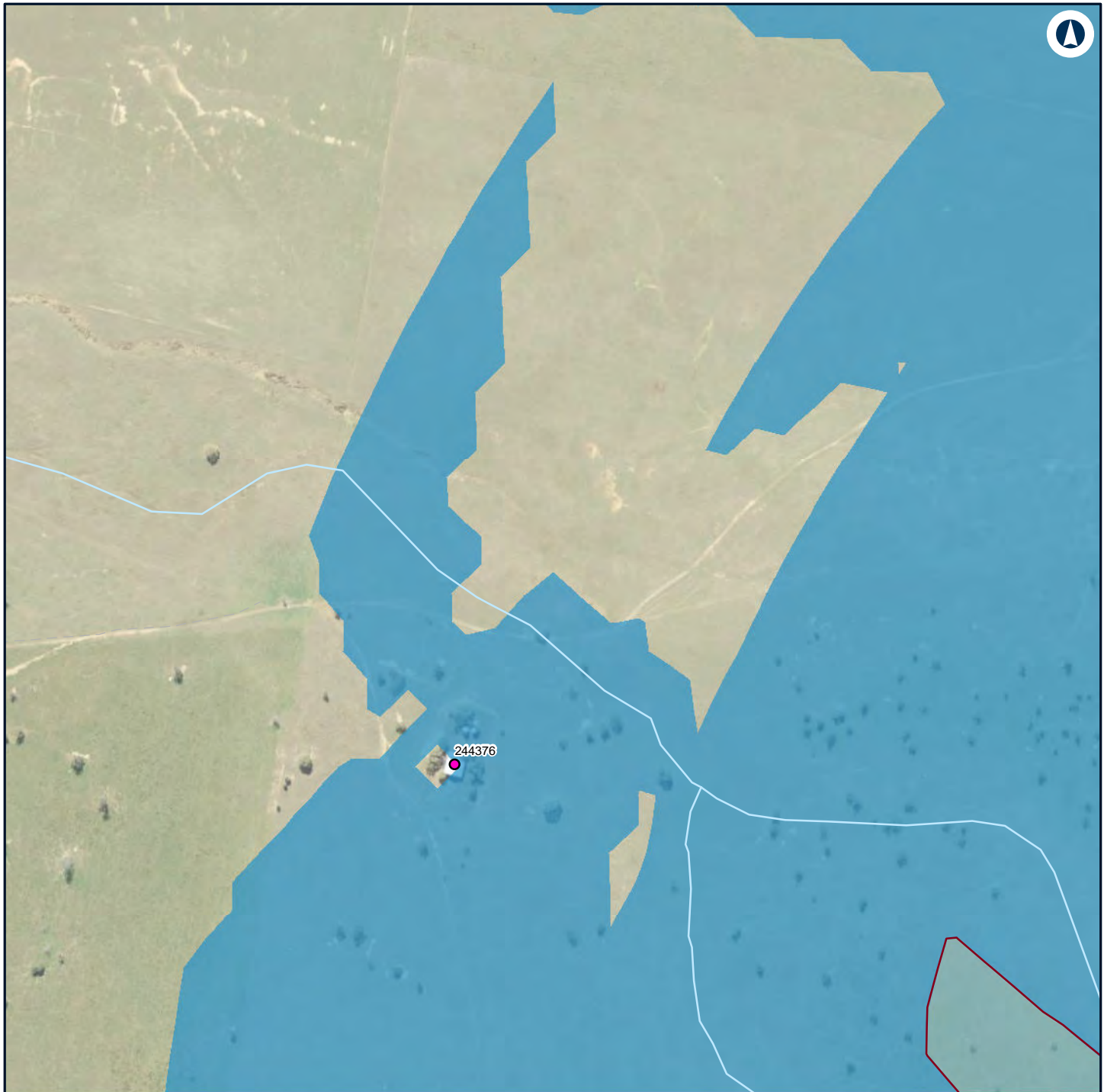
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 16/07/2020
Author: GHD

Paper: A4
Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

Construction noise contours, Construction Infrastructure (combined)

INLAND RAIL **ARTC**

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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

■ 30 - 35



NARROMINE TO NARRABRI
Construction noise contours, Construction Infrastructure (combined)

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0
0.1
0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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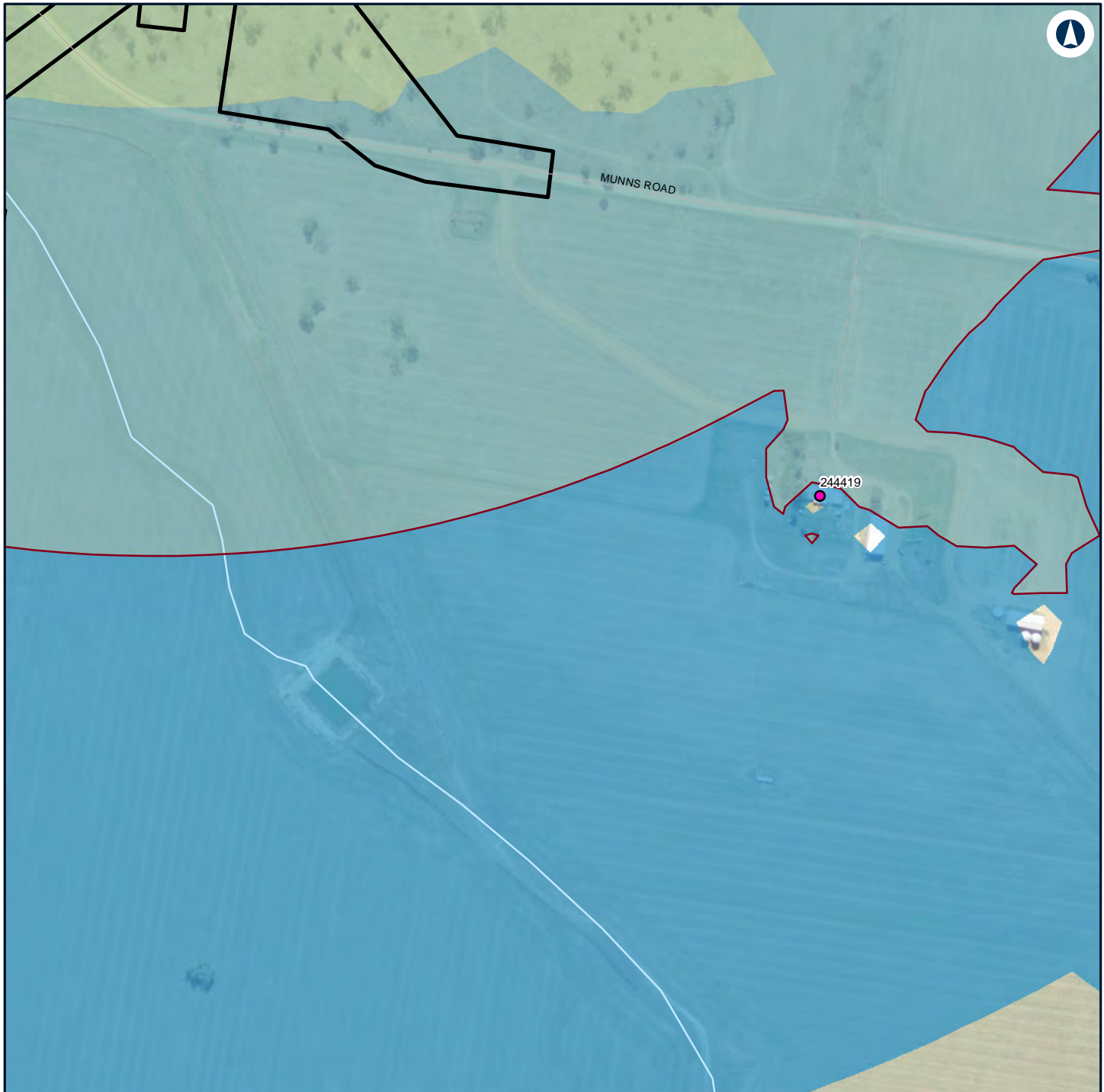
Author: GHD Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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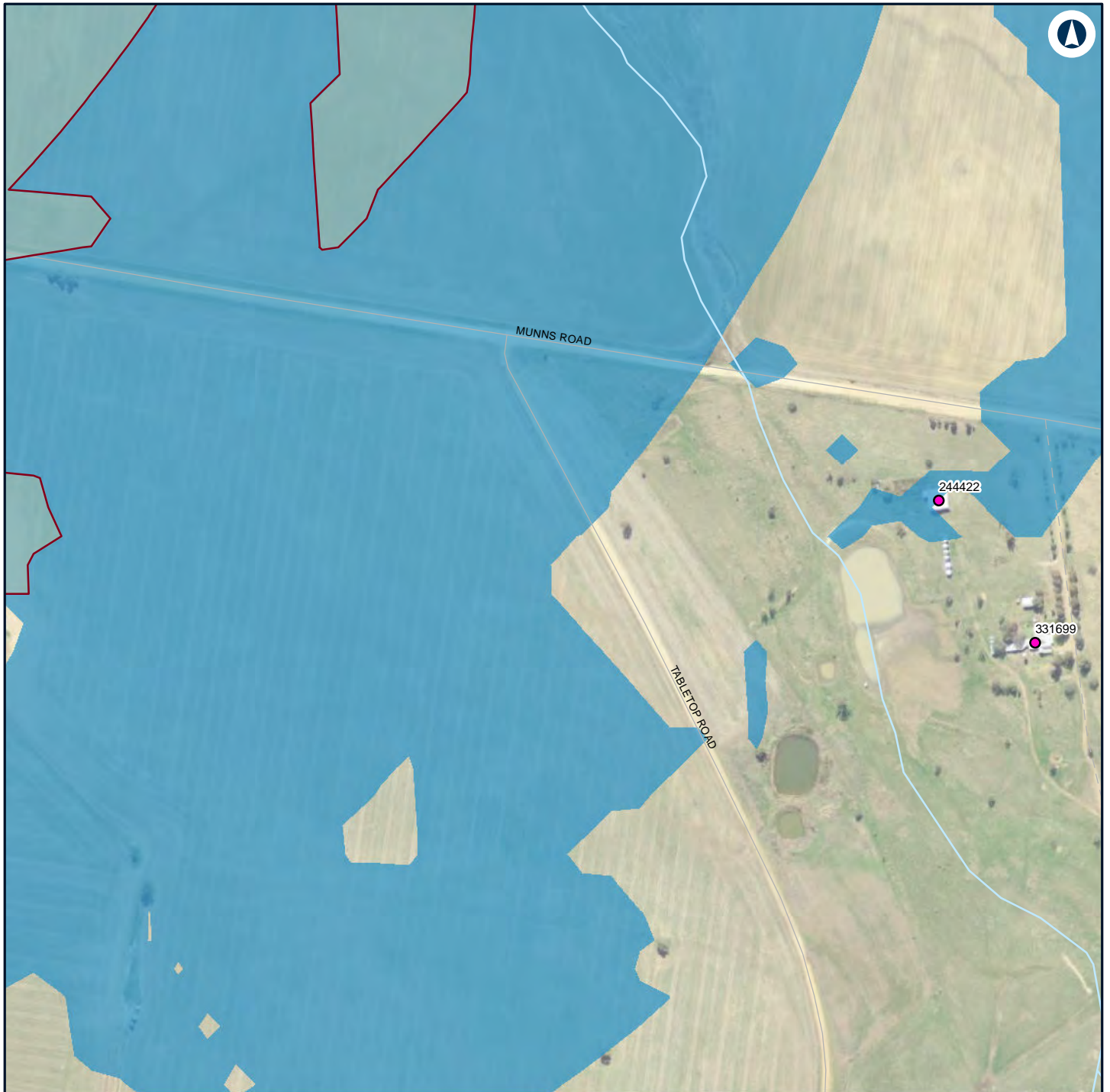
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

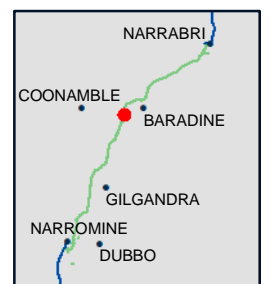
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 152 of 249

0 0.1 0.2
Km

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Legend

— Night-time noise management level

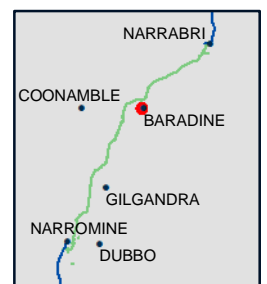
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 153 of 249

0 0.1 0.2
Km

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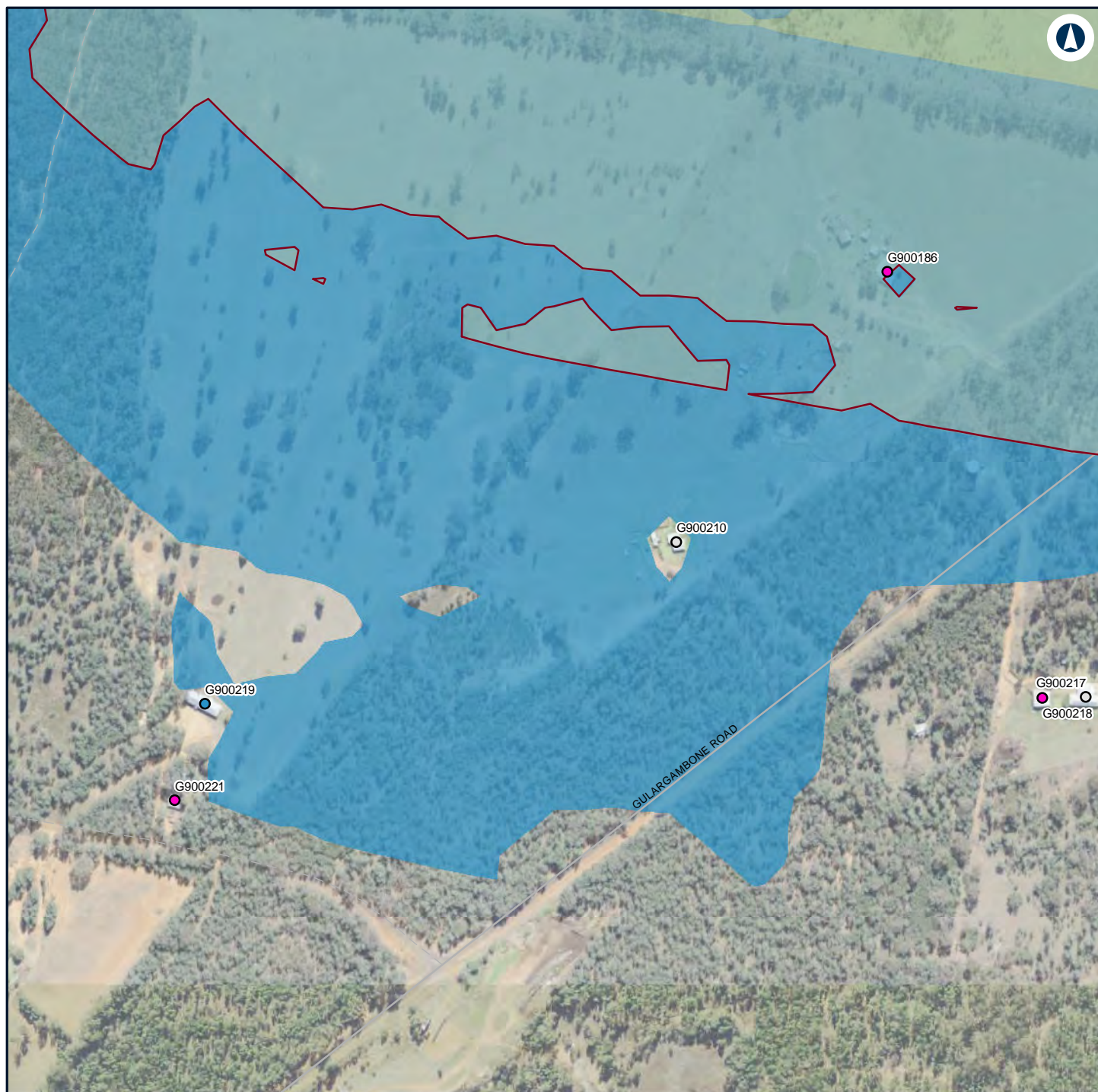
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Legend

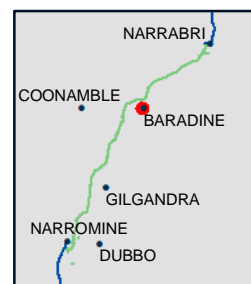
— Night-time noise management level 40 - 45

Structure type

- Active recreation
- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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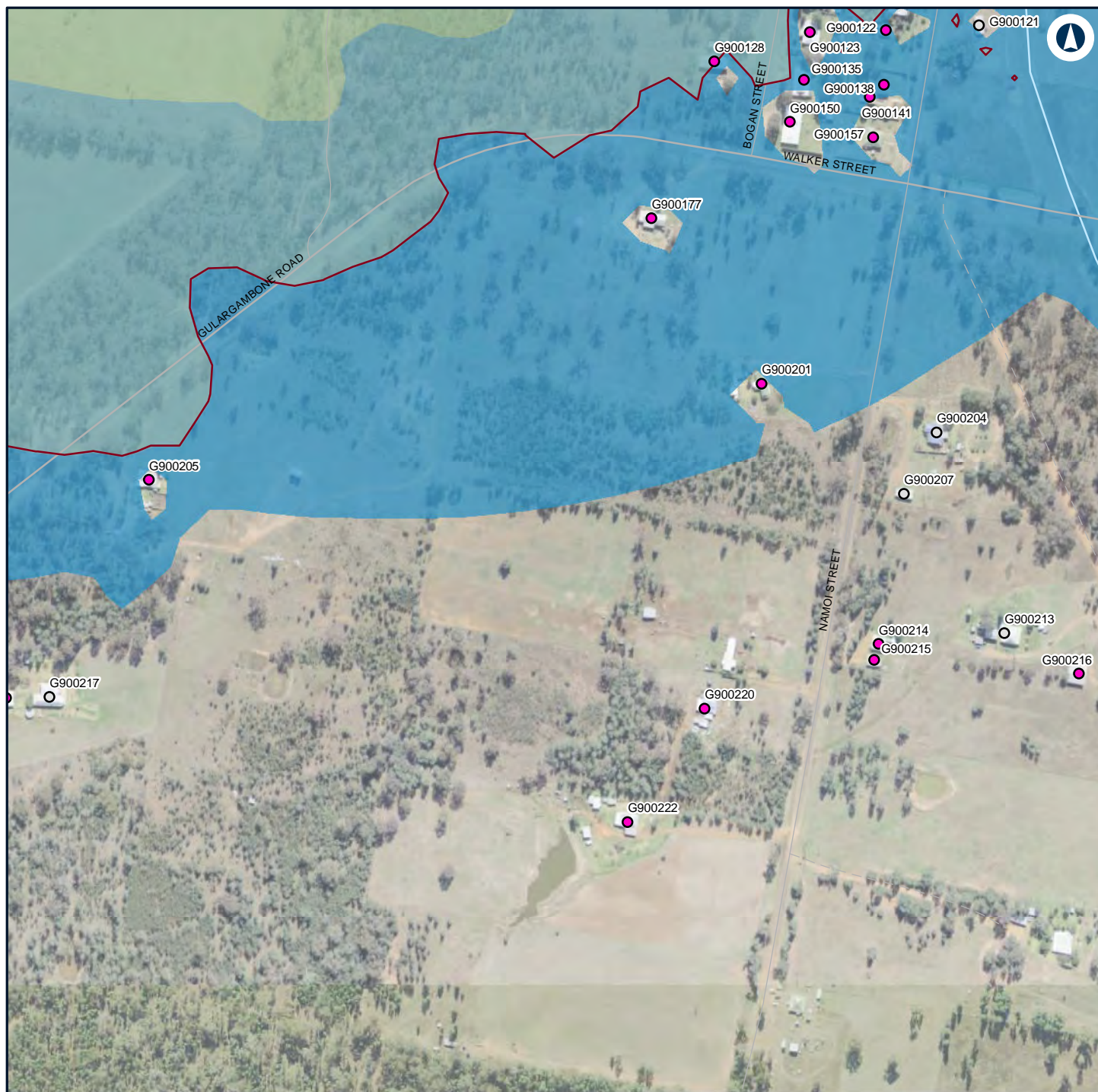
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 155 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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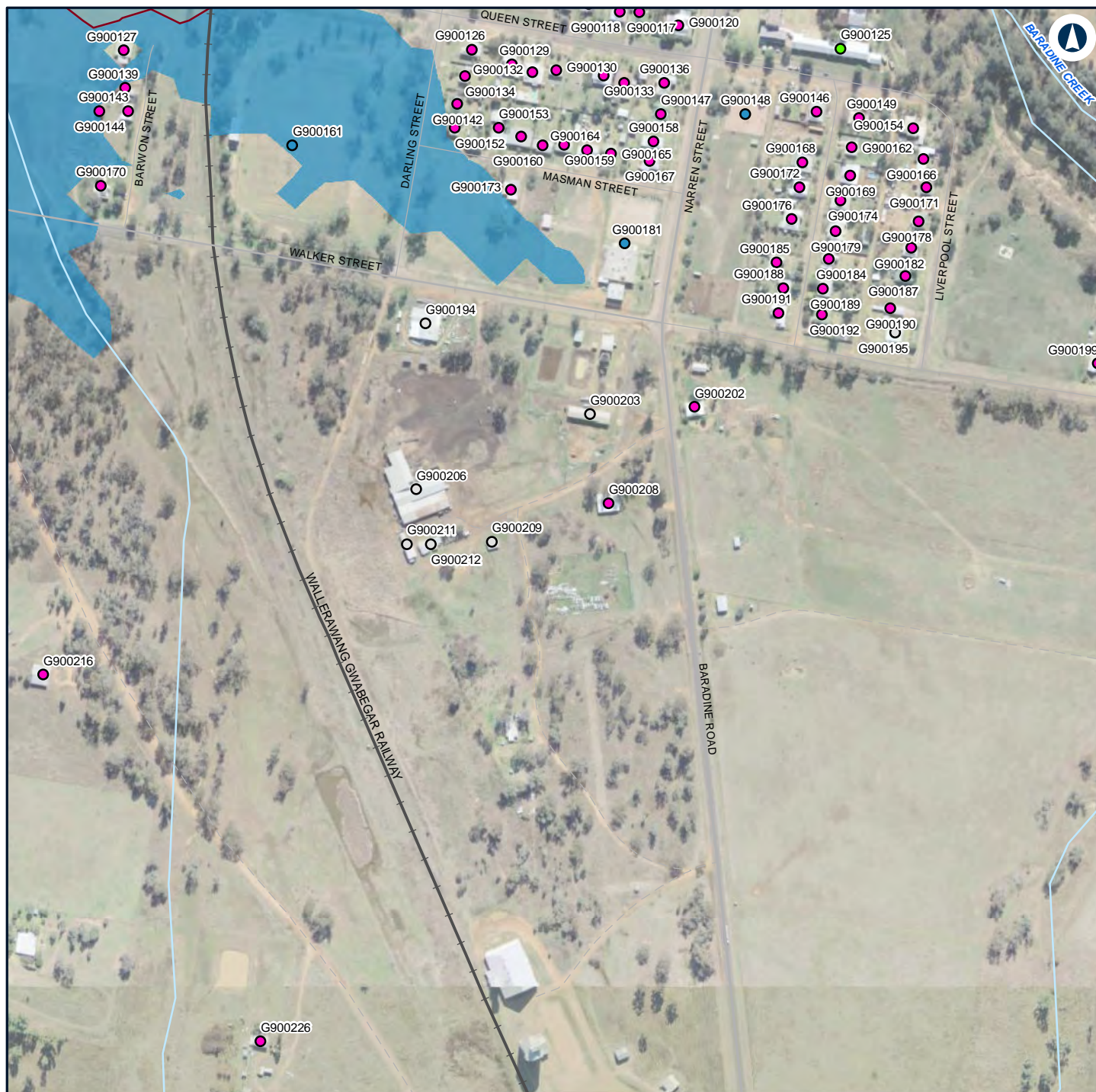
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level 35 - 40

Structure type

- Active recreation
- Commercial/Industrial
- Educational
- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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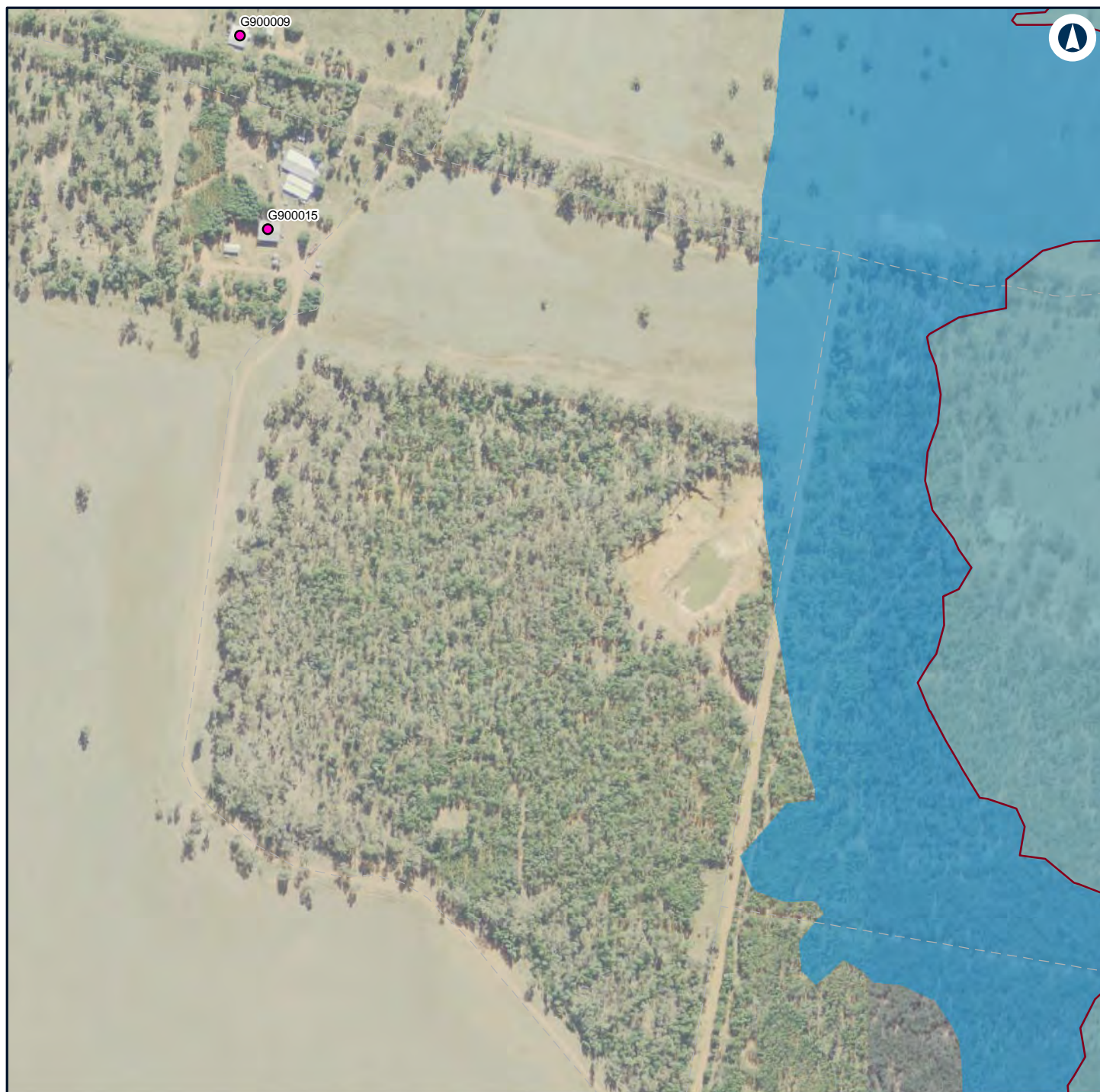
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

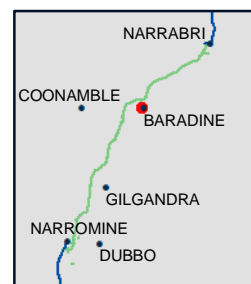
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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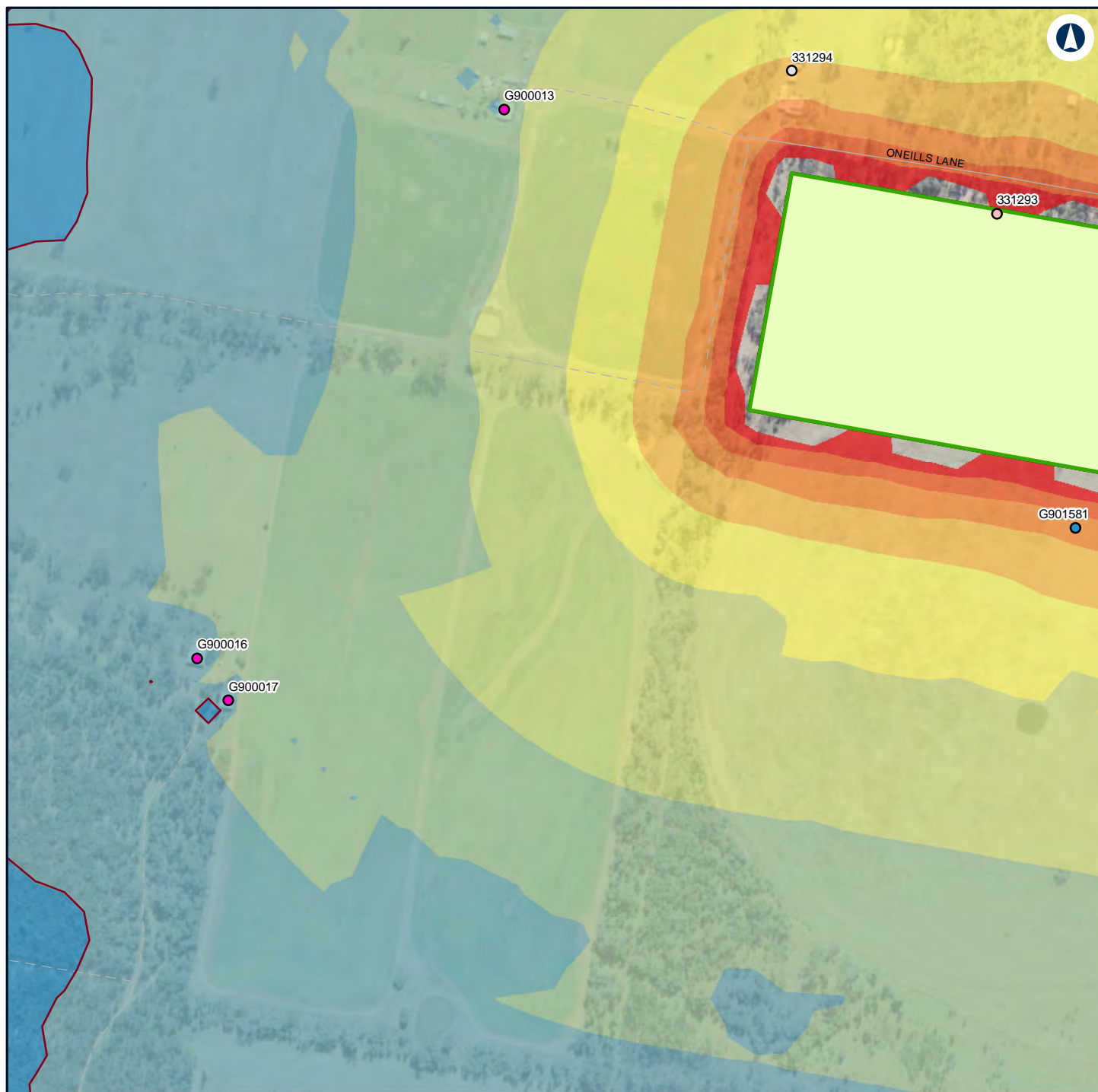
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Temporary workforce accommodation
- Night-time noise management level

Structure type

- Active recreation
- Commercial/Industrial
- Passive recreation
- Residential

Noise level (dBA L_{Aeq} 15 minute)	
	30 - 35
	35 - 40
	40 - 45
	45 - 50
	50 - 55
	55 - 60
	60 - 65
	65 - 70
	70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 158 of 249

0 0.1 0.2
Km

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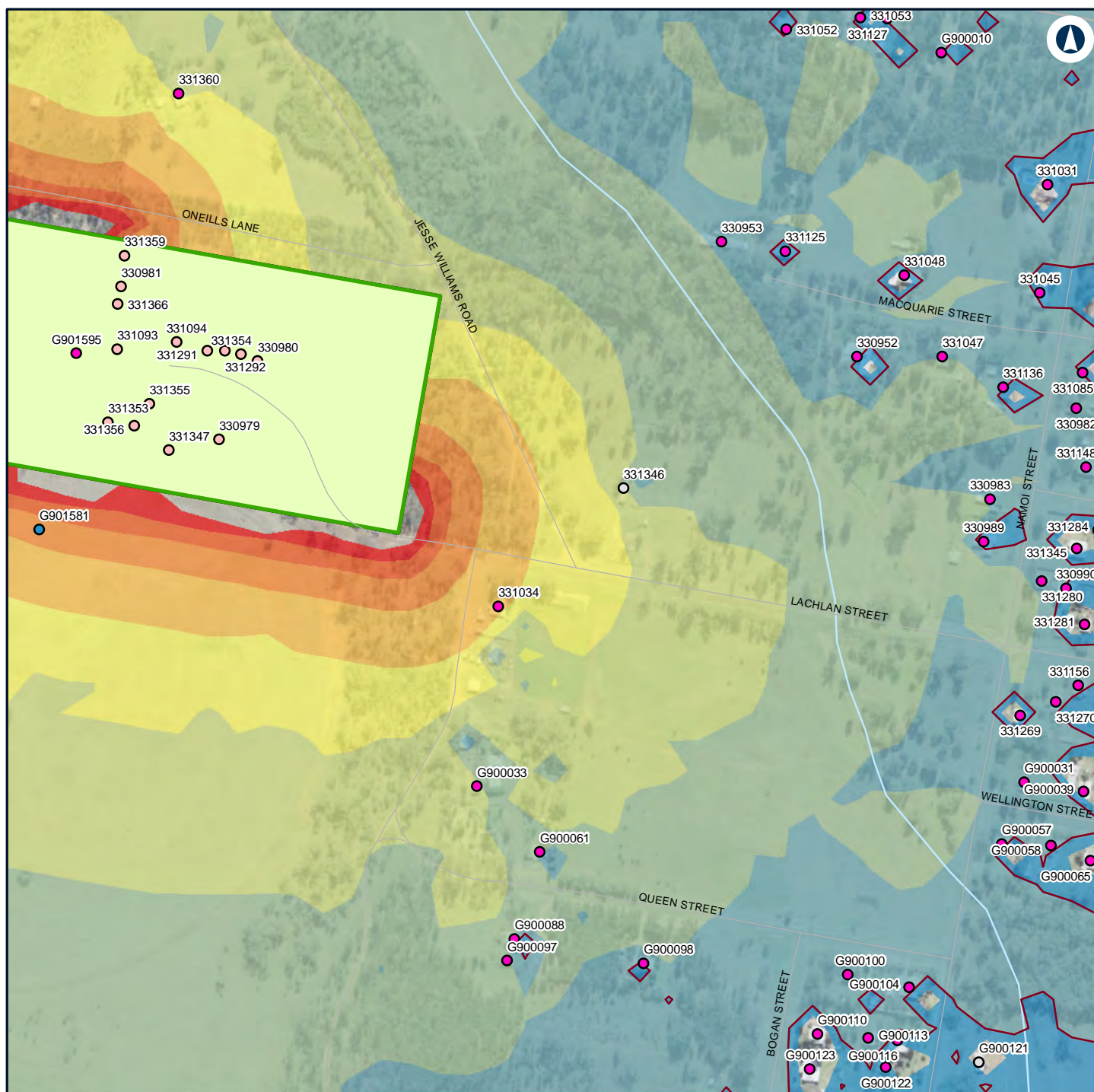
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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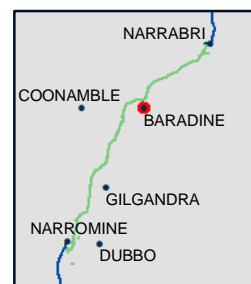
Legend

- Construction footprint
- Temporary workforce accommodation
- Night-time noise management level

Structure type

- Active recreation
- Commercial/Industrial
- Passive recreation
- Residential

Noise level (dBA L_{Aeq} 15 minute)	
	30 - 35
	35 - 40
	40 - 45
	45 - 50
	50 - 55
	55 - 60
	60 - 65
	65 - 70
	70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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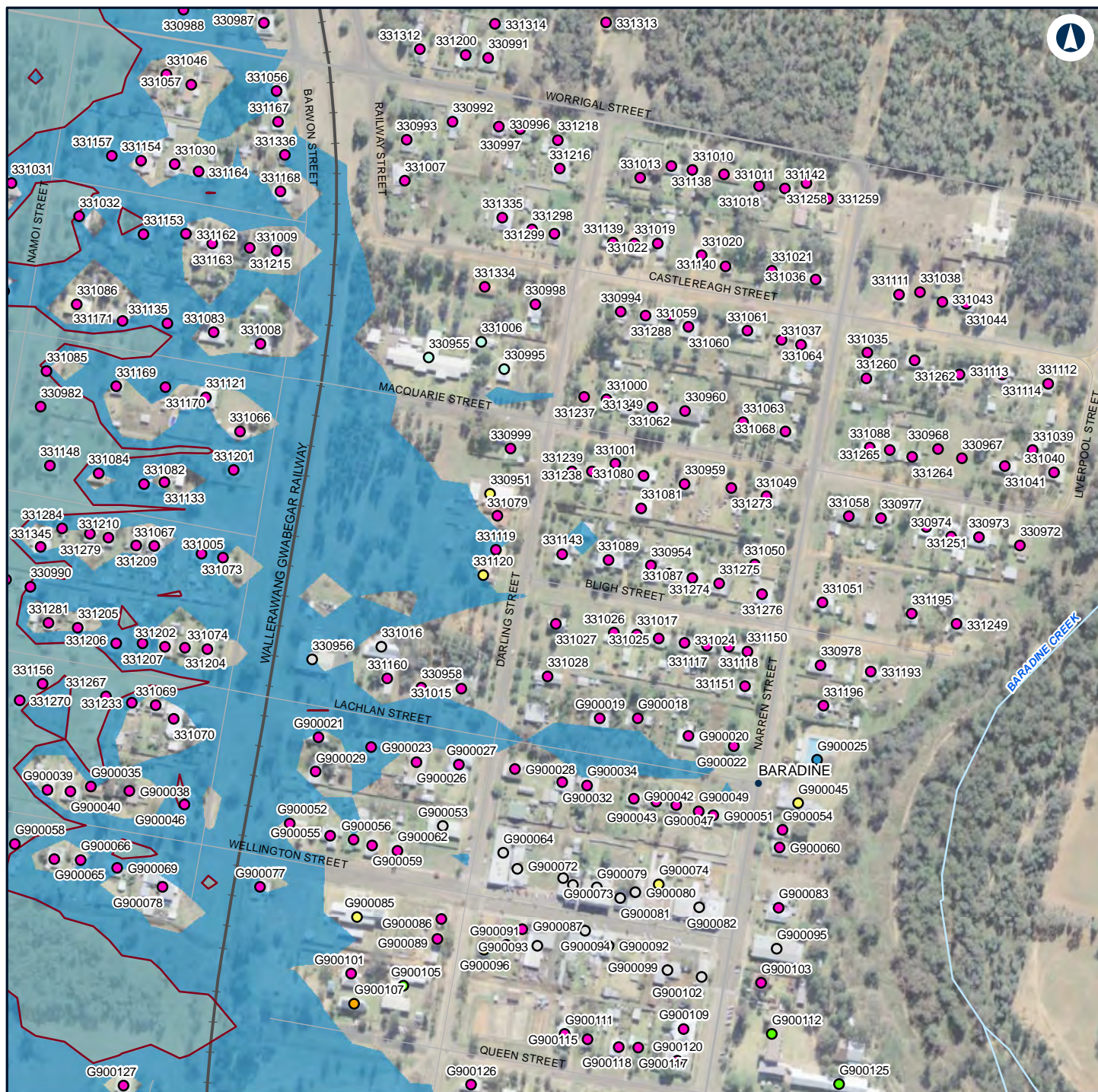
Author: GHD

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Legend

— Night-time noise management level ● Worship

Structure type

- Active recreation
- Commercial/Industrial
- Community
- Educational
- Health
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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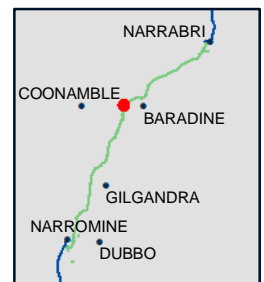
Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 161 of 249

0 0.1 0.2
Km

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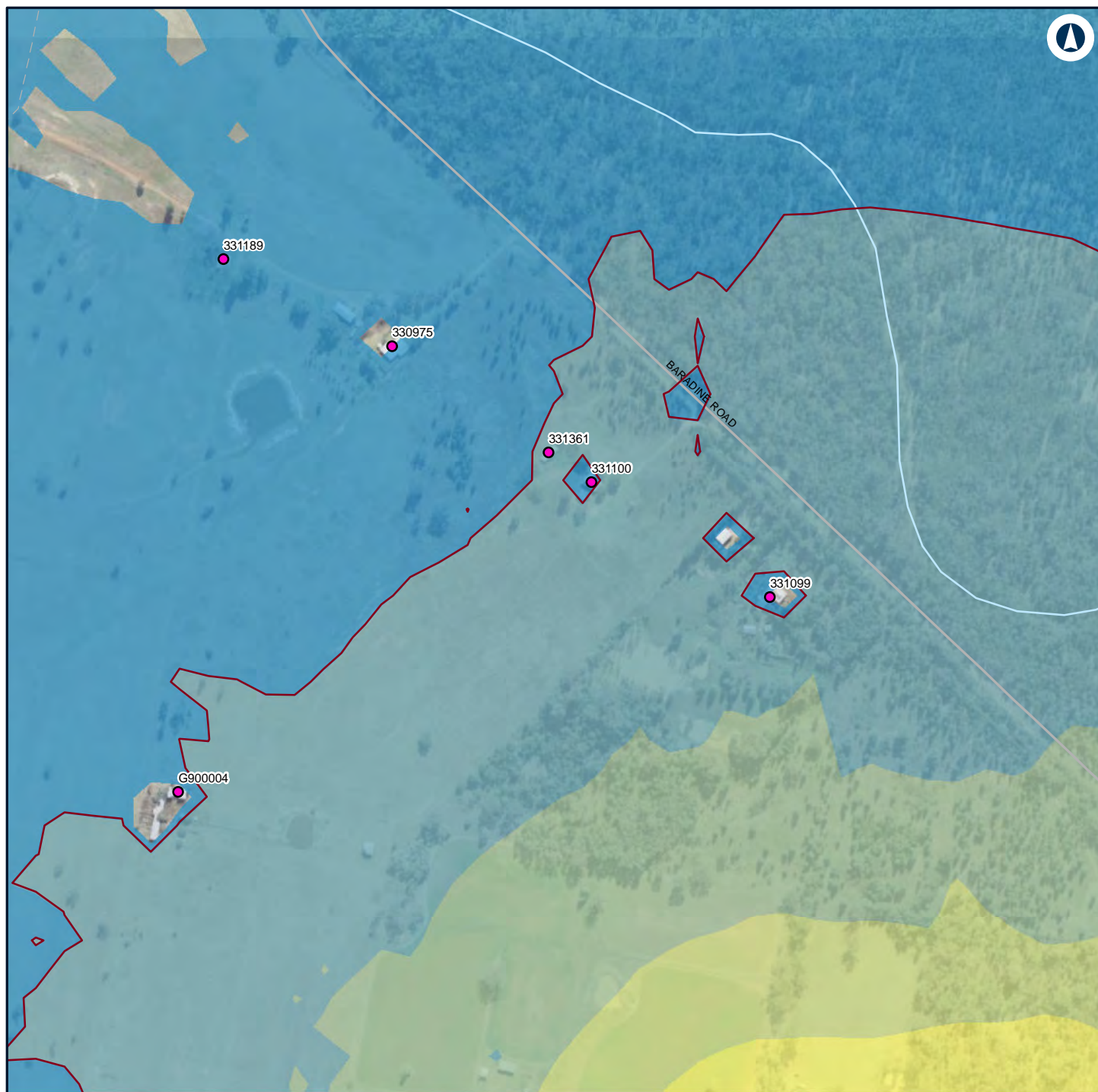
Author: GHD

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

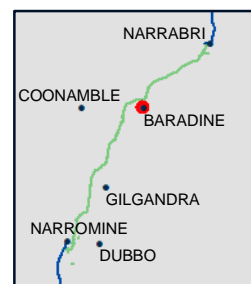
35 - 40

40 - 45

45 - 50

50 - 55

55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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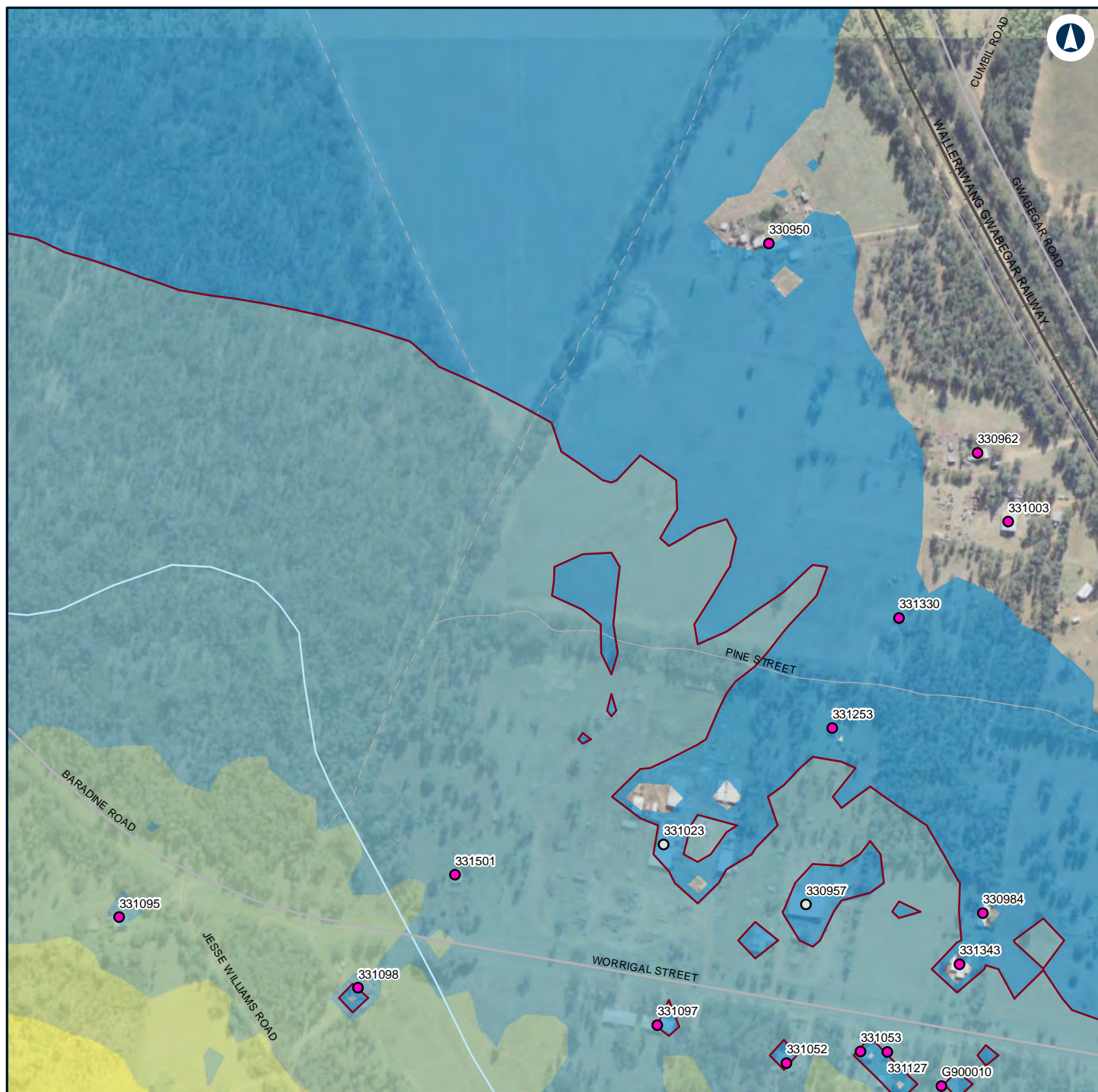
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Legend

— Night-time noise management level

Structure type

- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45

- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

— Night-time noise management level

Structure type

- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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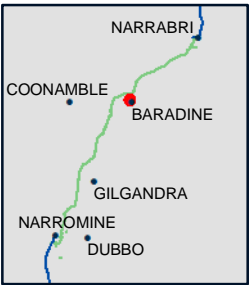
Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Construction noise contours, Construction Infrastructure (combined)

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INLAND RAIL

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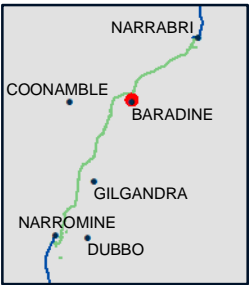
Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0
0.1
0.2

Km

Coordinate System: GDA 1994 MGA Zone 55

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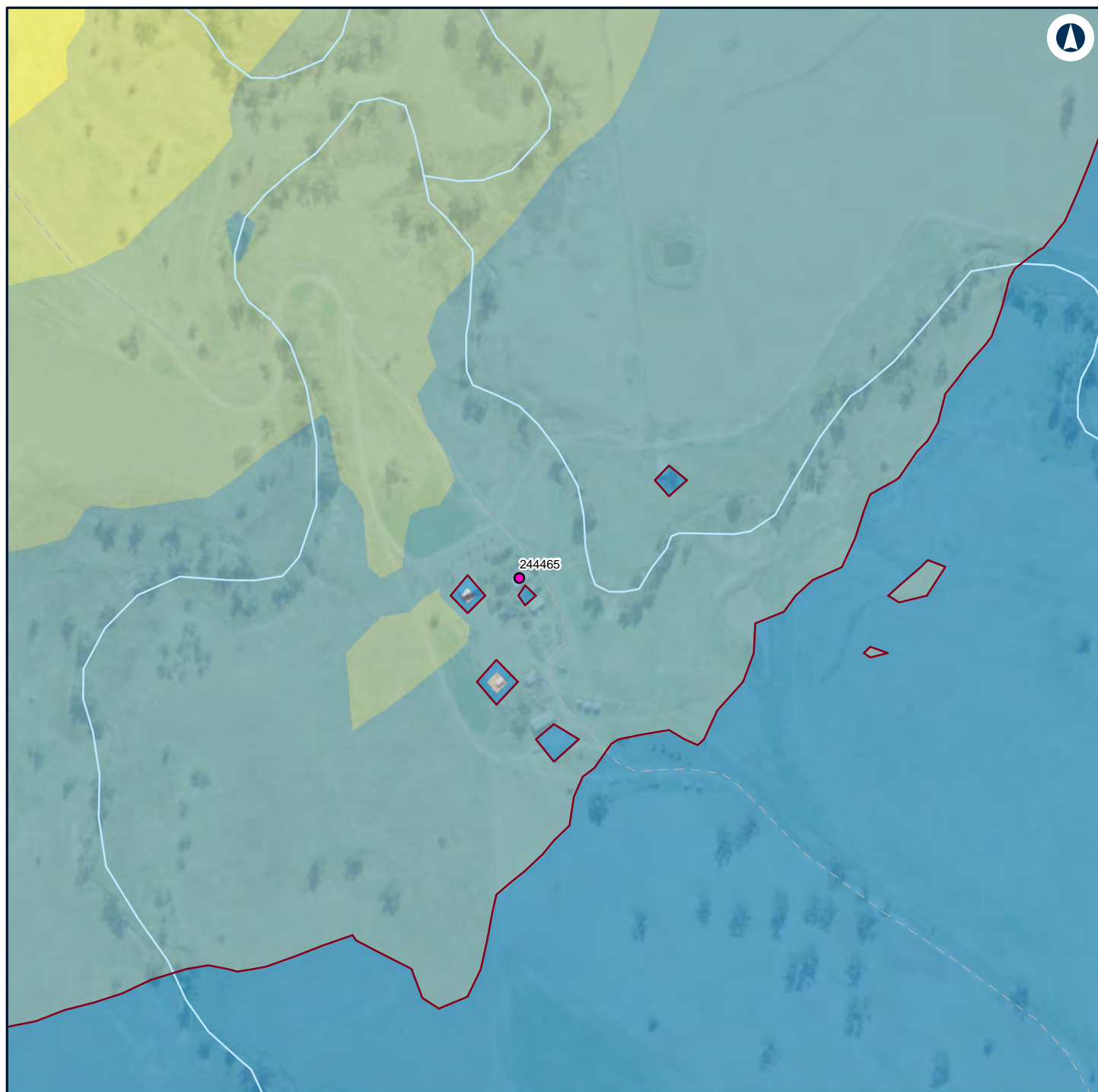
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

Paper: A4
Scale: 1:5,000

INLAND RAIL

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Legend

— Night-time noise management level 50 - 55

Structure type

● Residential

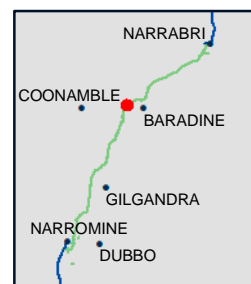
Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0
0.1
0.2

Km

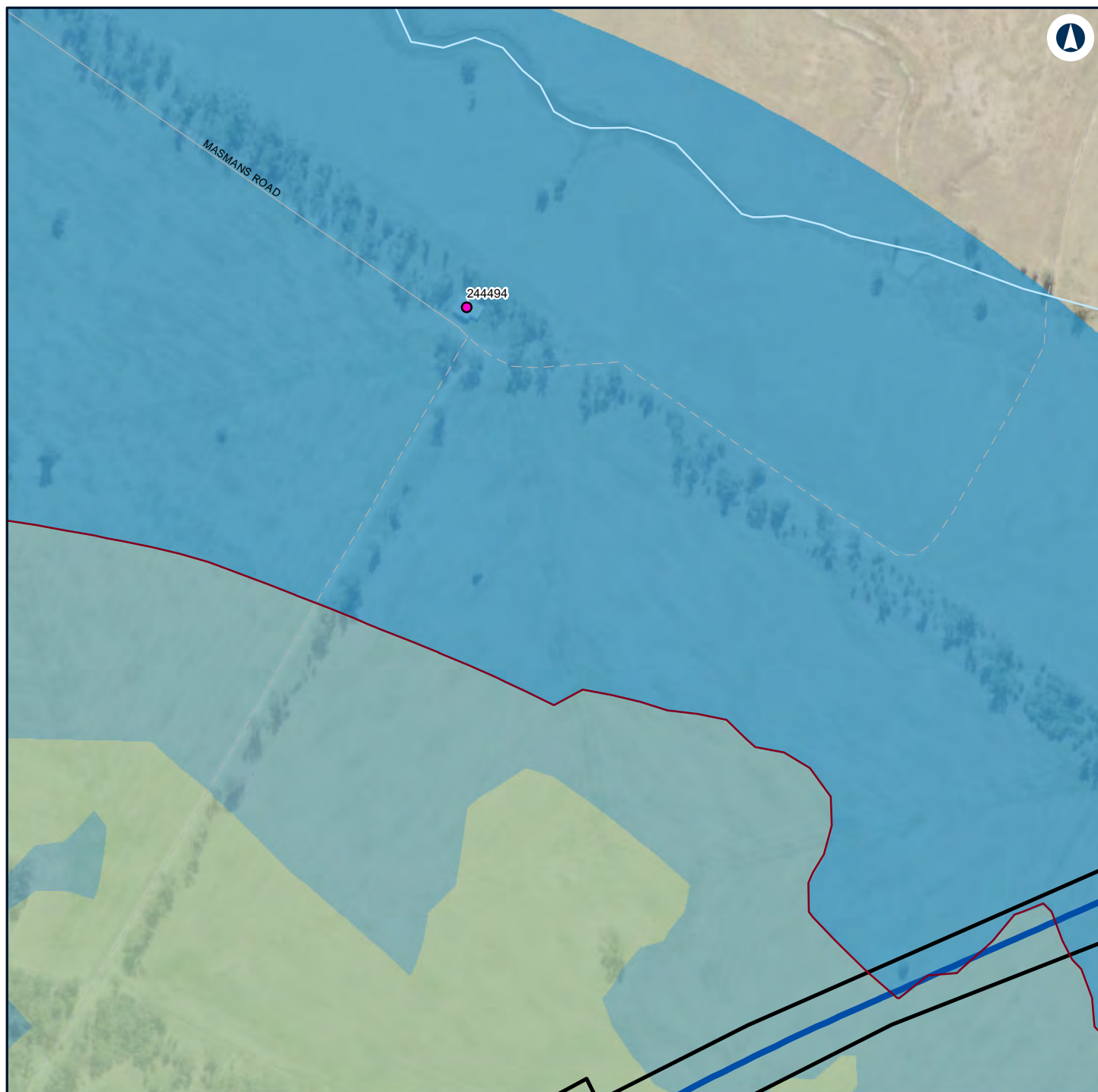
Coordinate System: GDA 1994 MGA Zone 55
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Date: 16/07/2020 Paper: A4
 Author: GHD Scale: 1:5,000
 Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL

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Legend

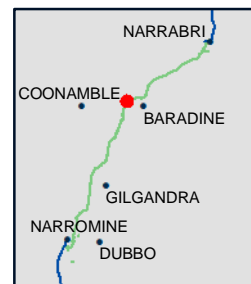
- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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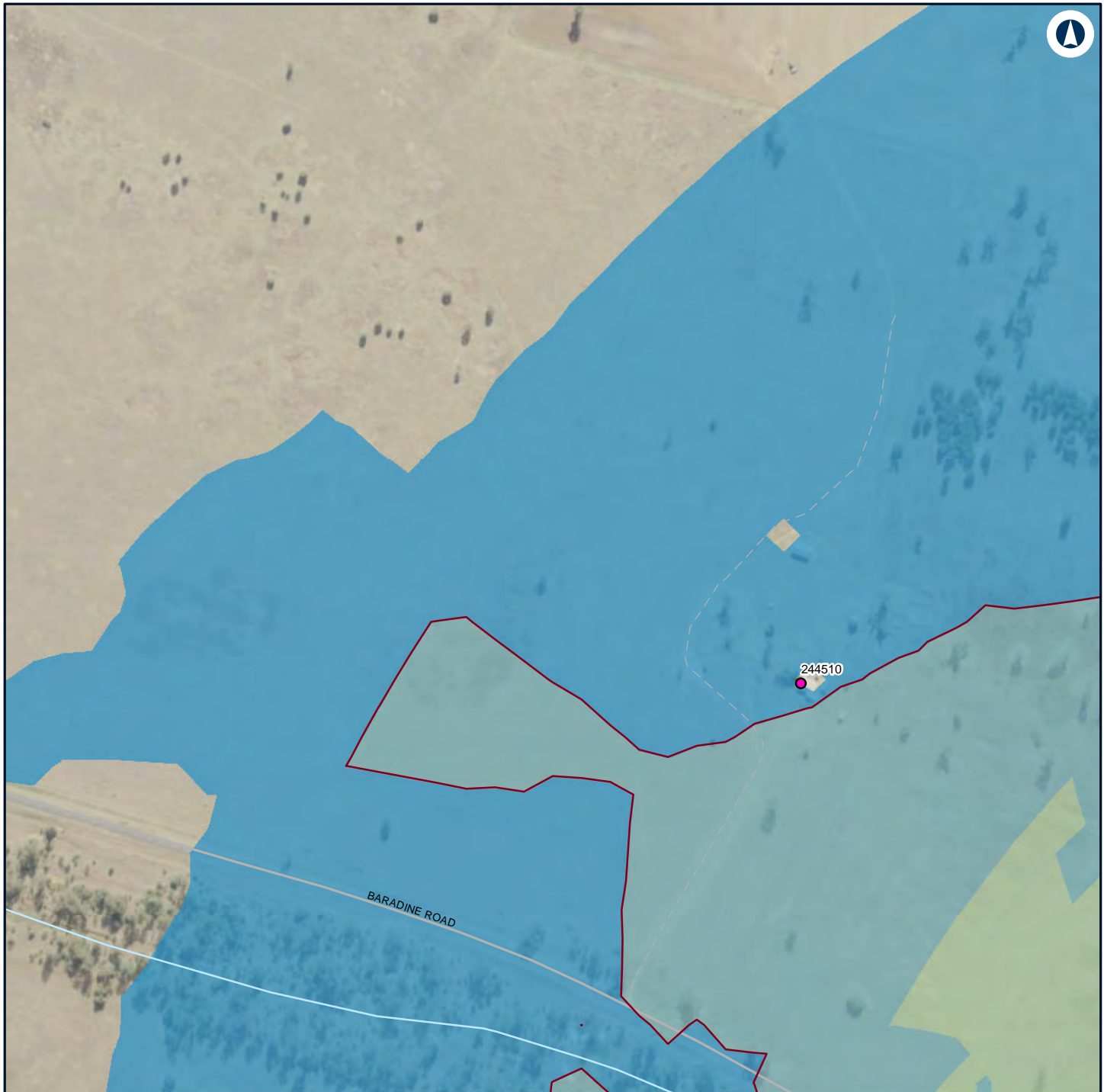
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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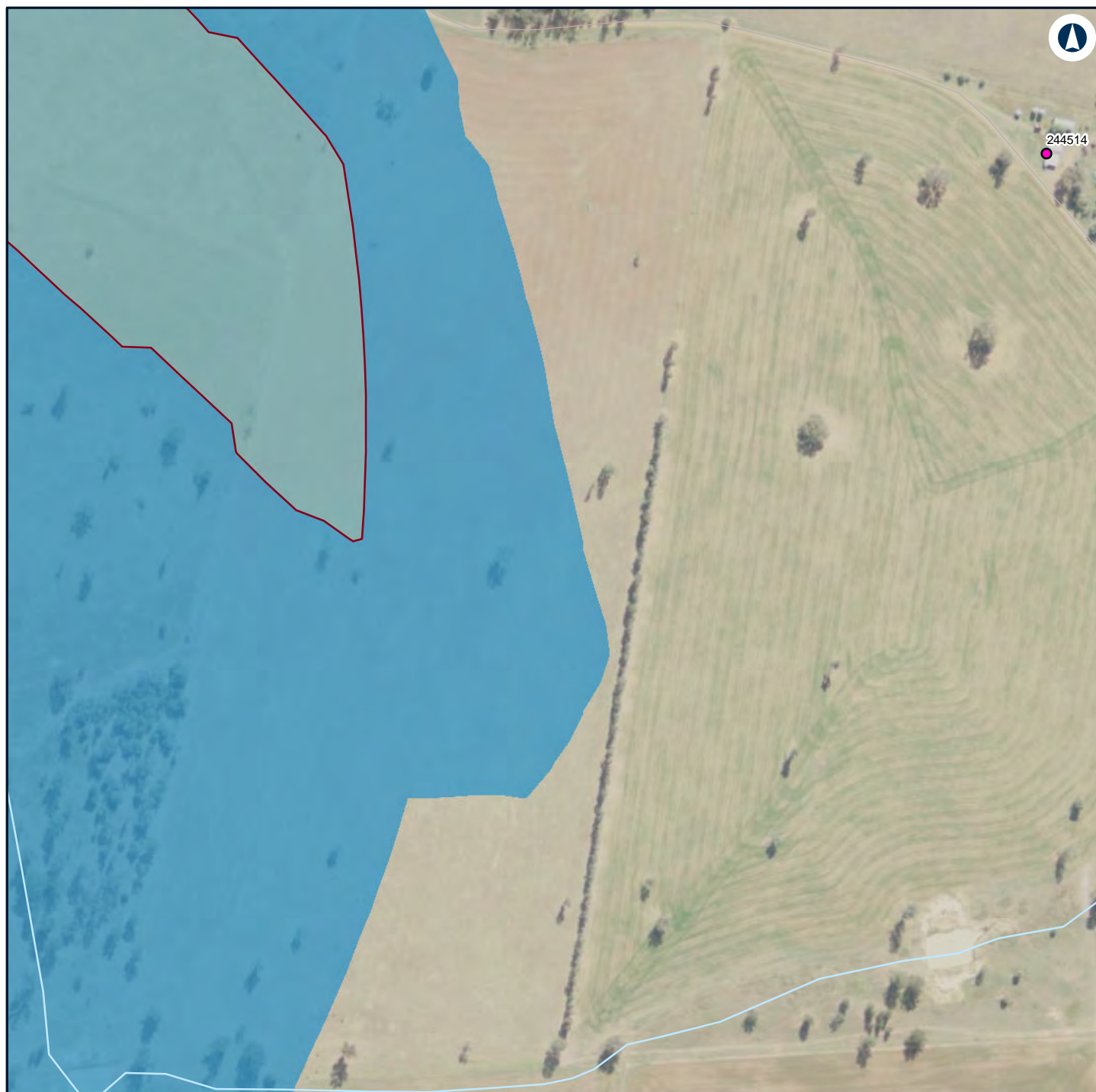
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Scale: 1:5,000

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Legend

— Night-time noise management level

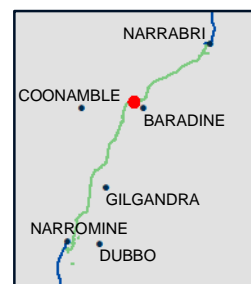
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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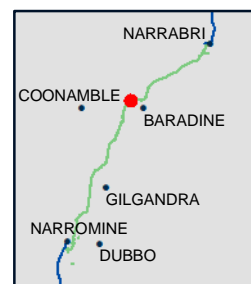
Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

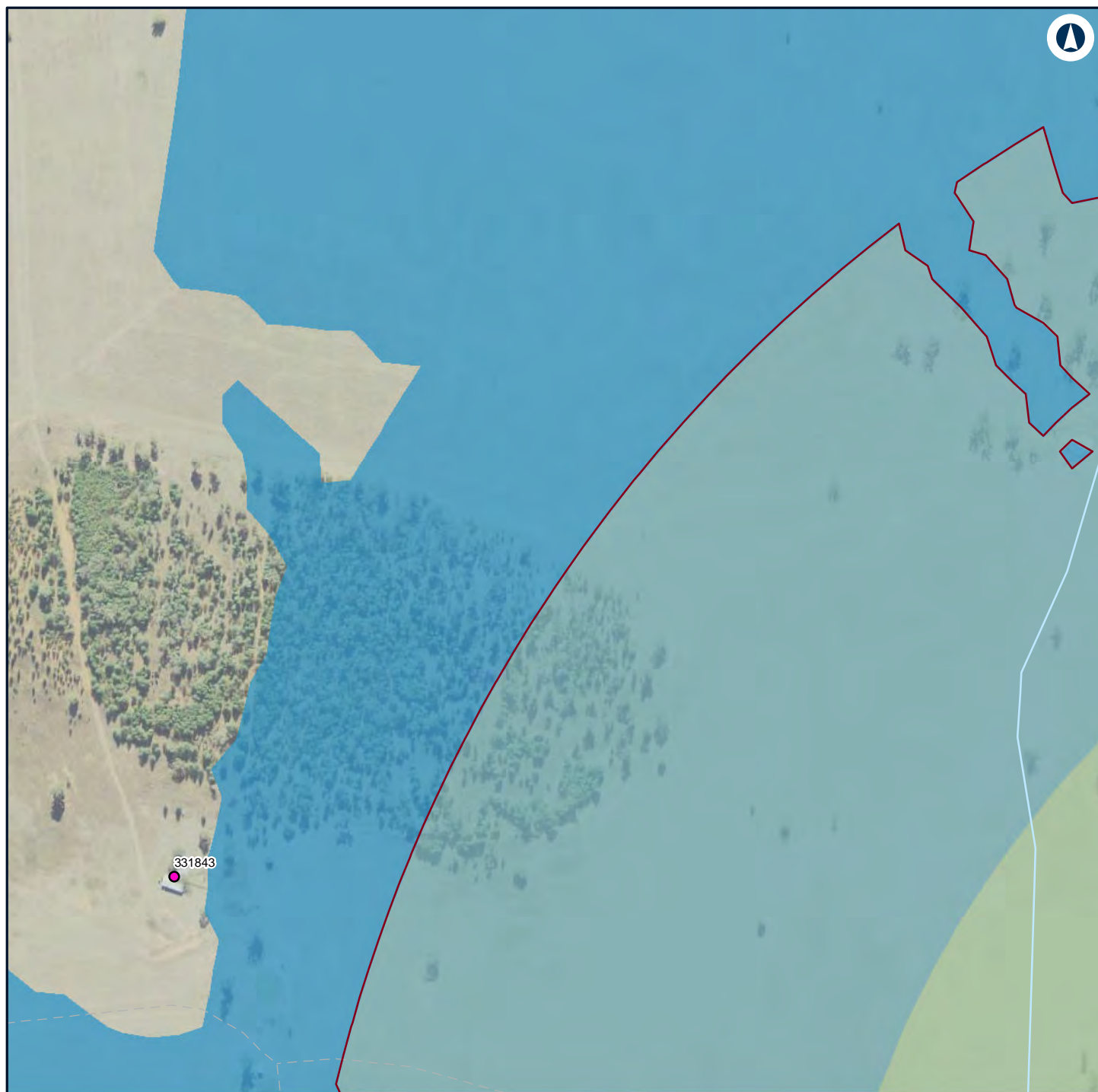
Construction noise contours, Construction Infrastructure (combined)

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INLAND RAIL

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Author: GHD

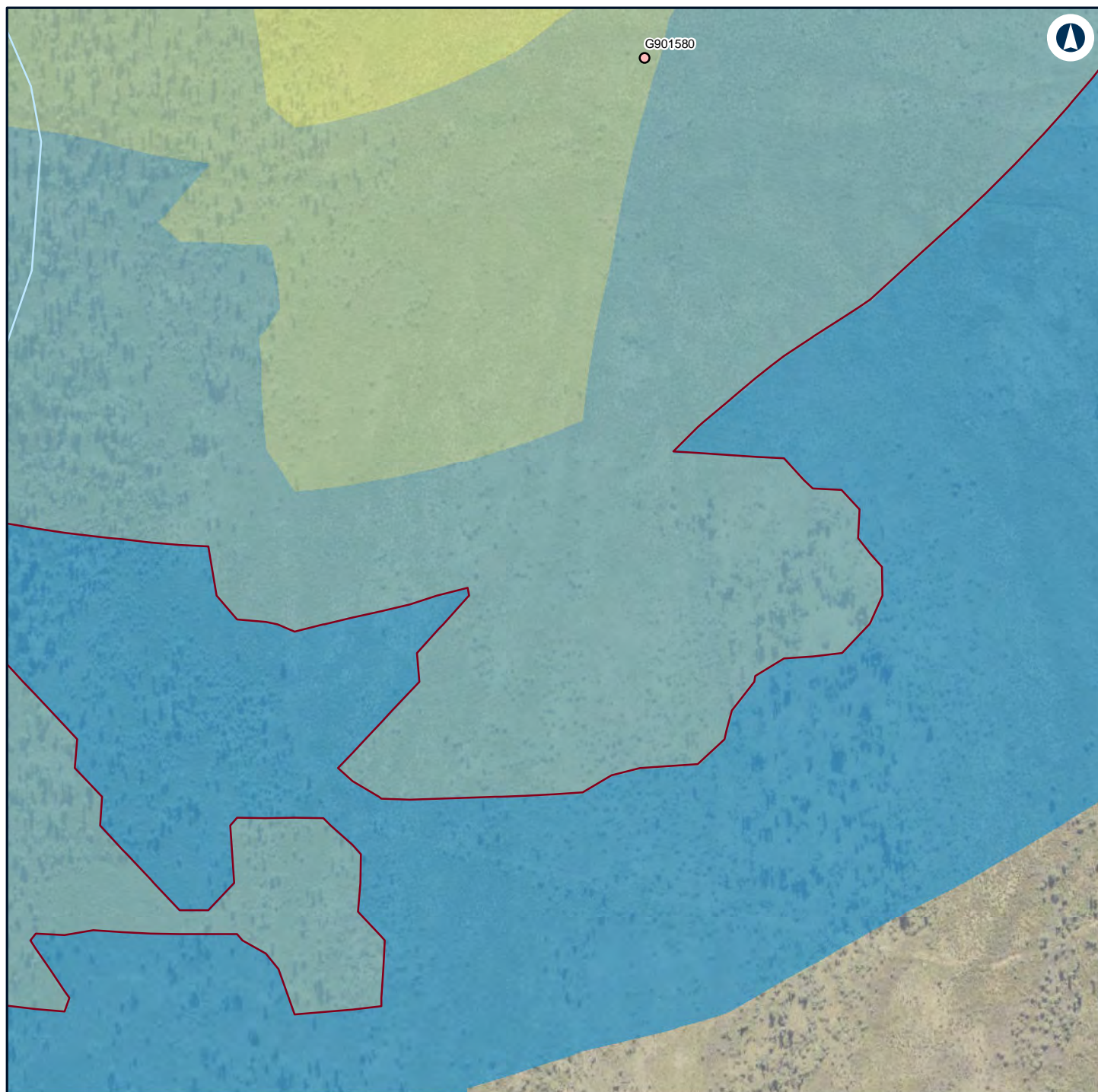
Paper: A4
Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

Construction noise contours, Construction Infrastructure (combined)

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Legend

— Night-time noise management level

Structure type

○ Passive recreation

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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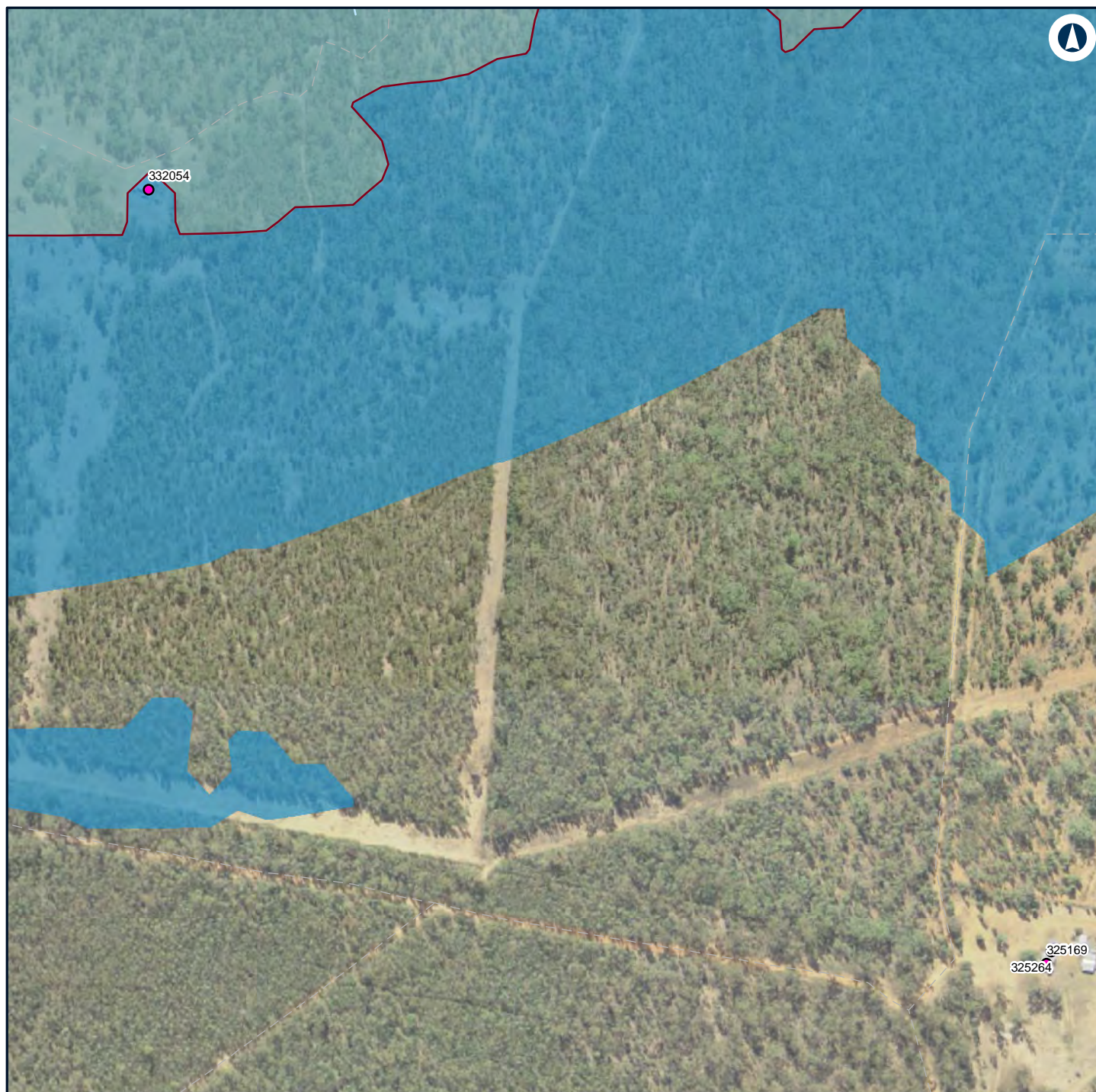
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

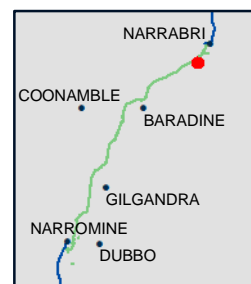
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

■ 30 - 35



NARROMINE TO NARRABRI
Construction noise contours, Construction Infrastructure (combined)
Appendix H - Page 180 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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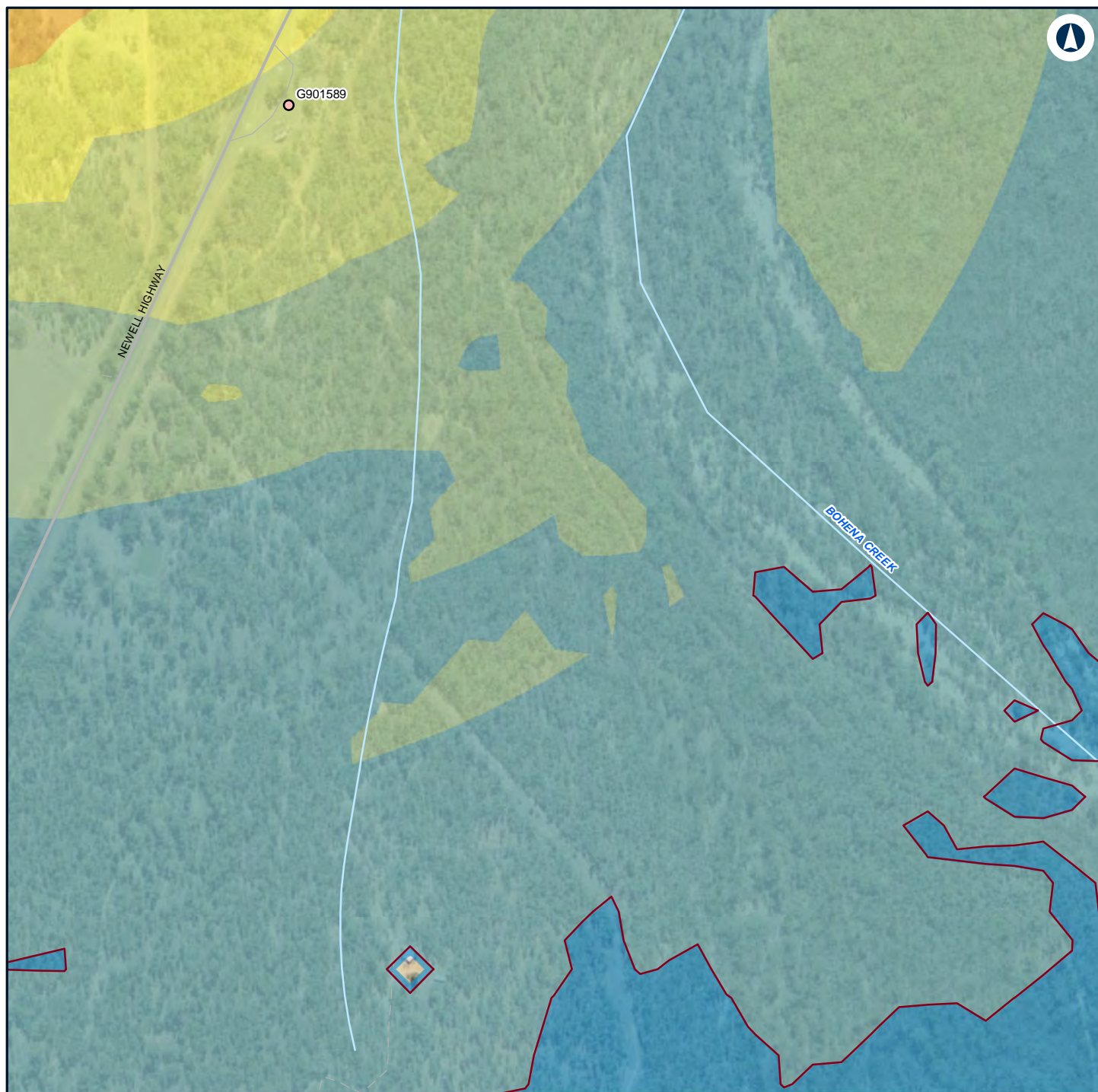
Date: 16/07/2020 Paper: A4

Author: GHD Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

○ Passive recreation

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

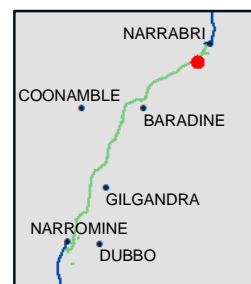
35 - 40

40 - 45

45 - 50

50 - 55

55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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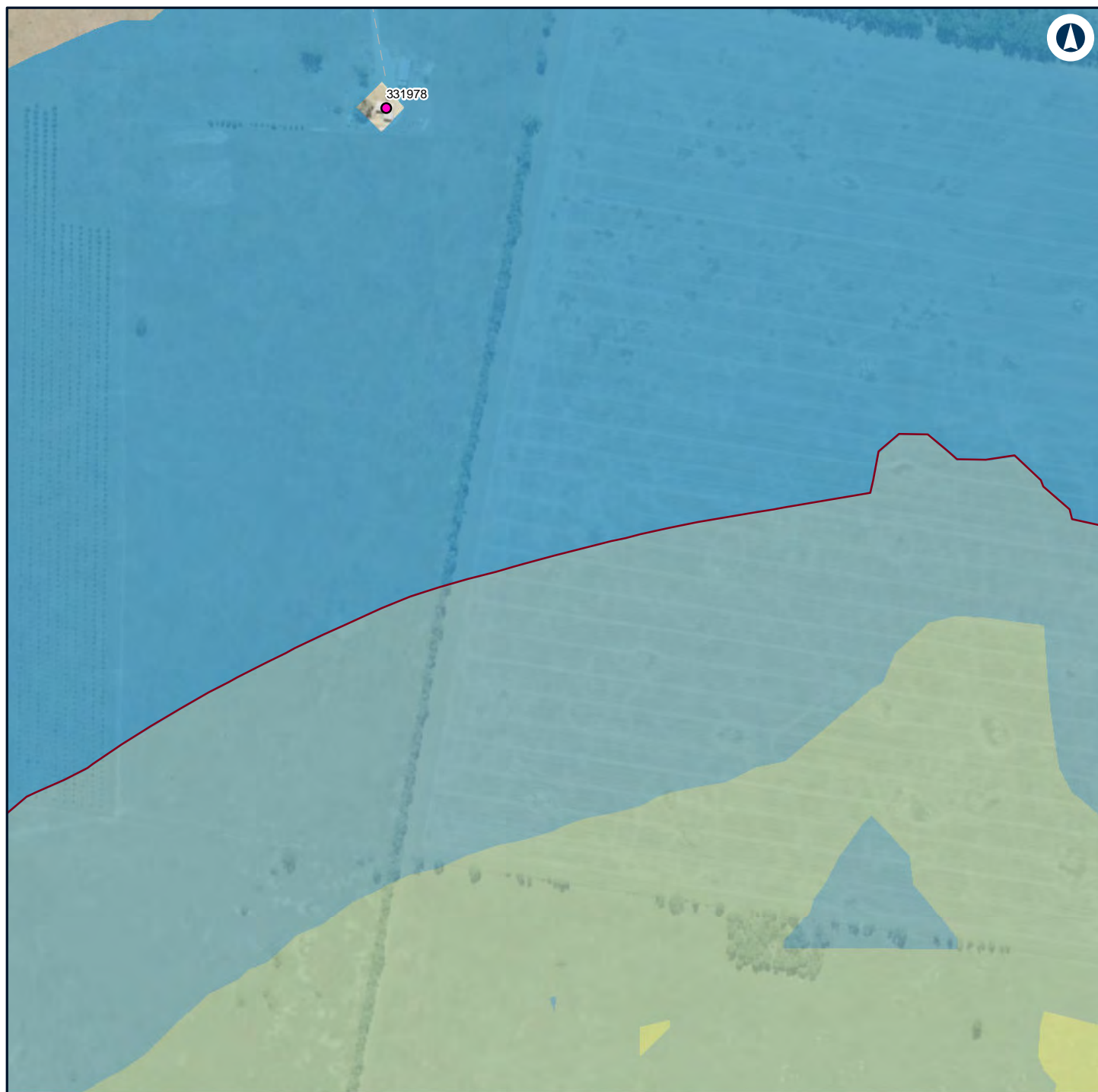
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

■ 30 - 35



NARROMINE TO NARRABRI

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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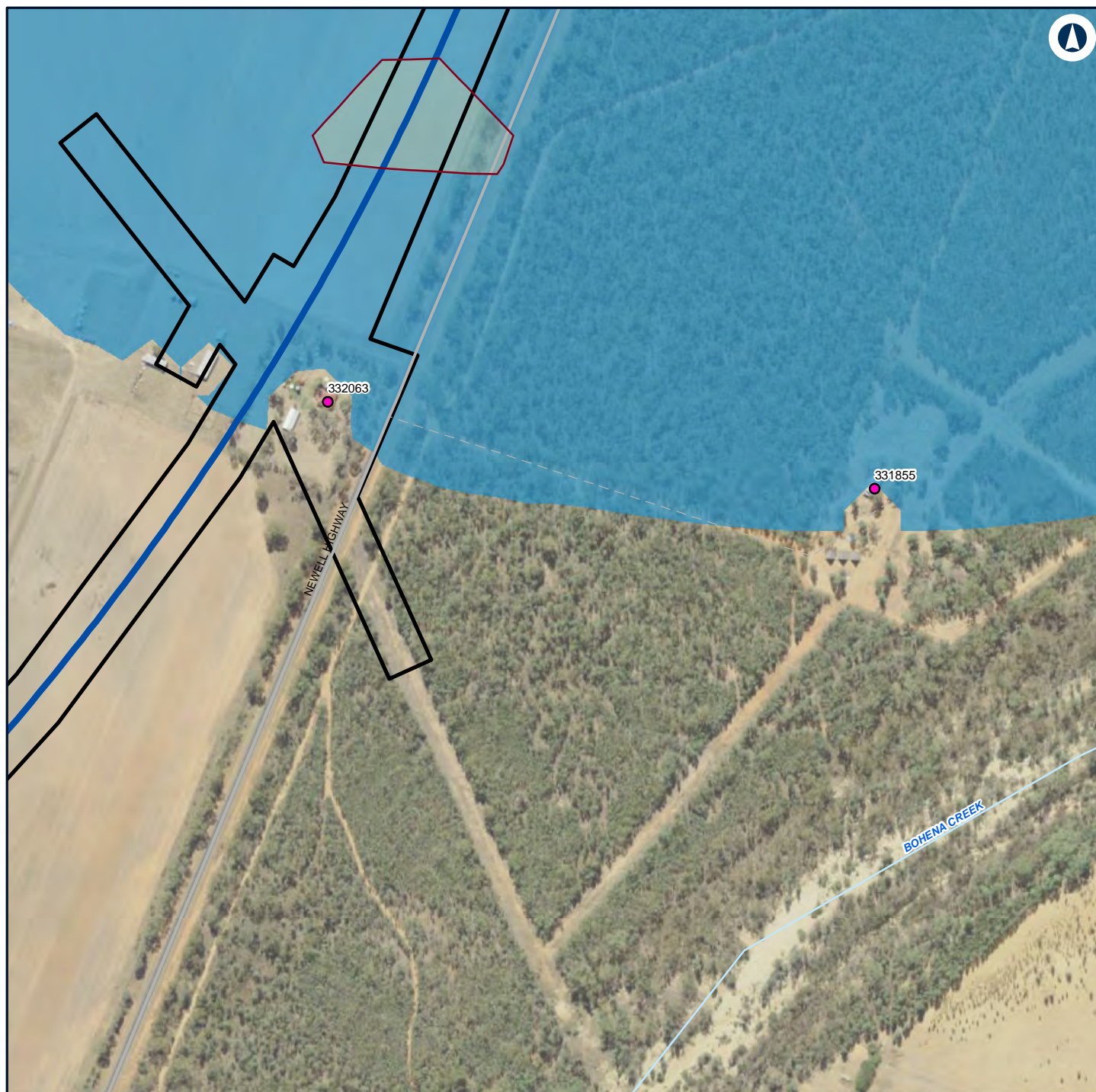
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

Construction noise contours, Construction Infrastructure (combined)

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Legend

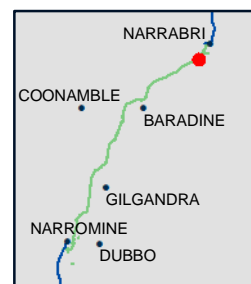
- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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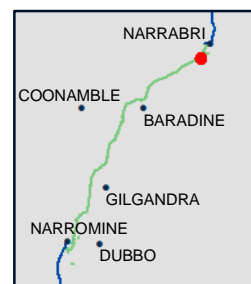
Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 185 of 249

0 0.1 0.2
Km

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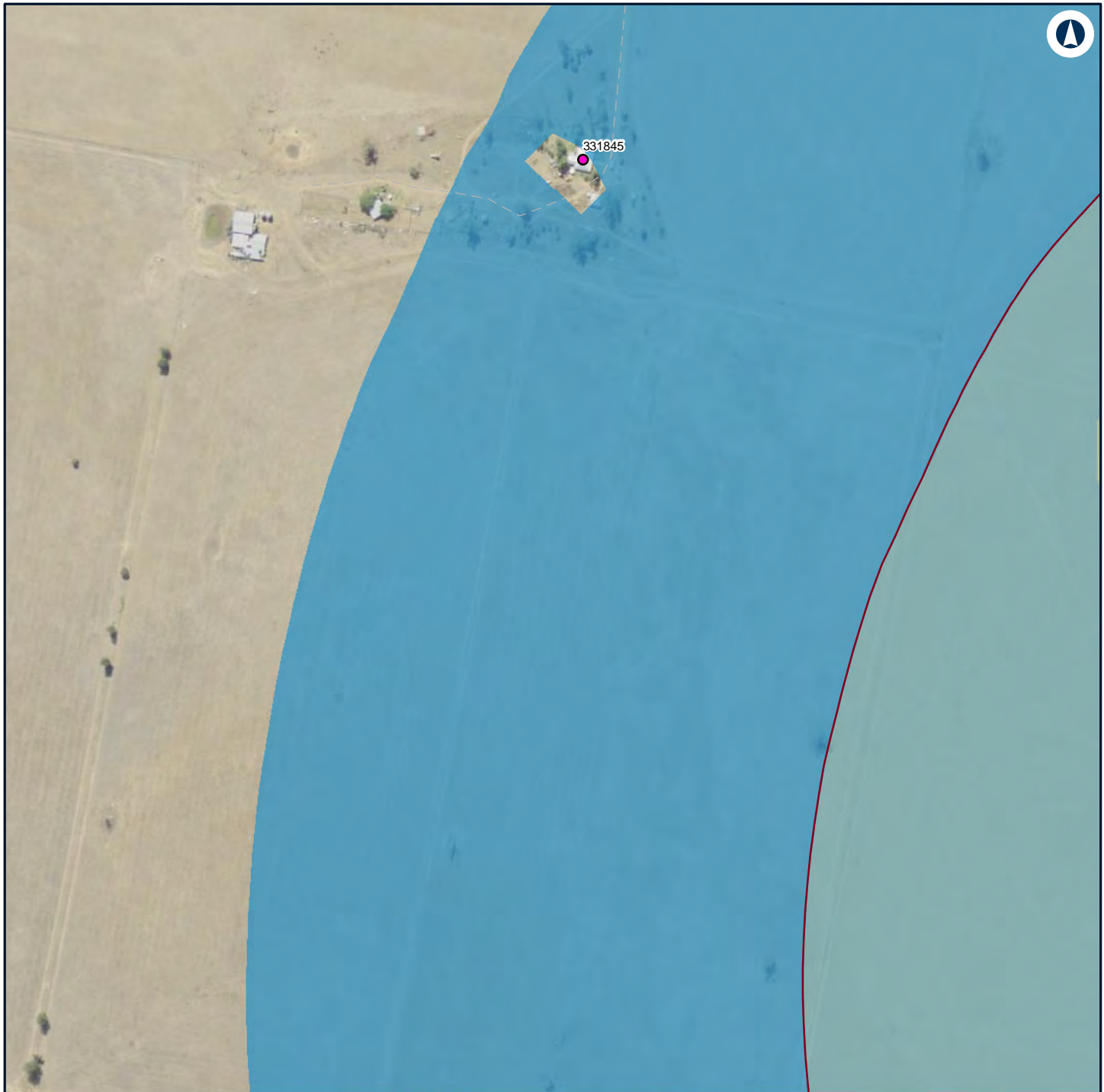
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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35
35 - 40
40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 186 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 187 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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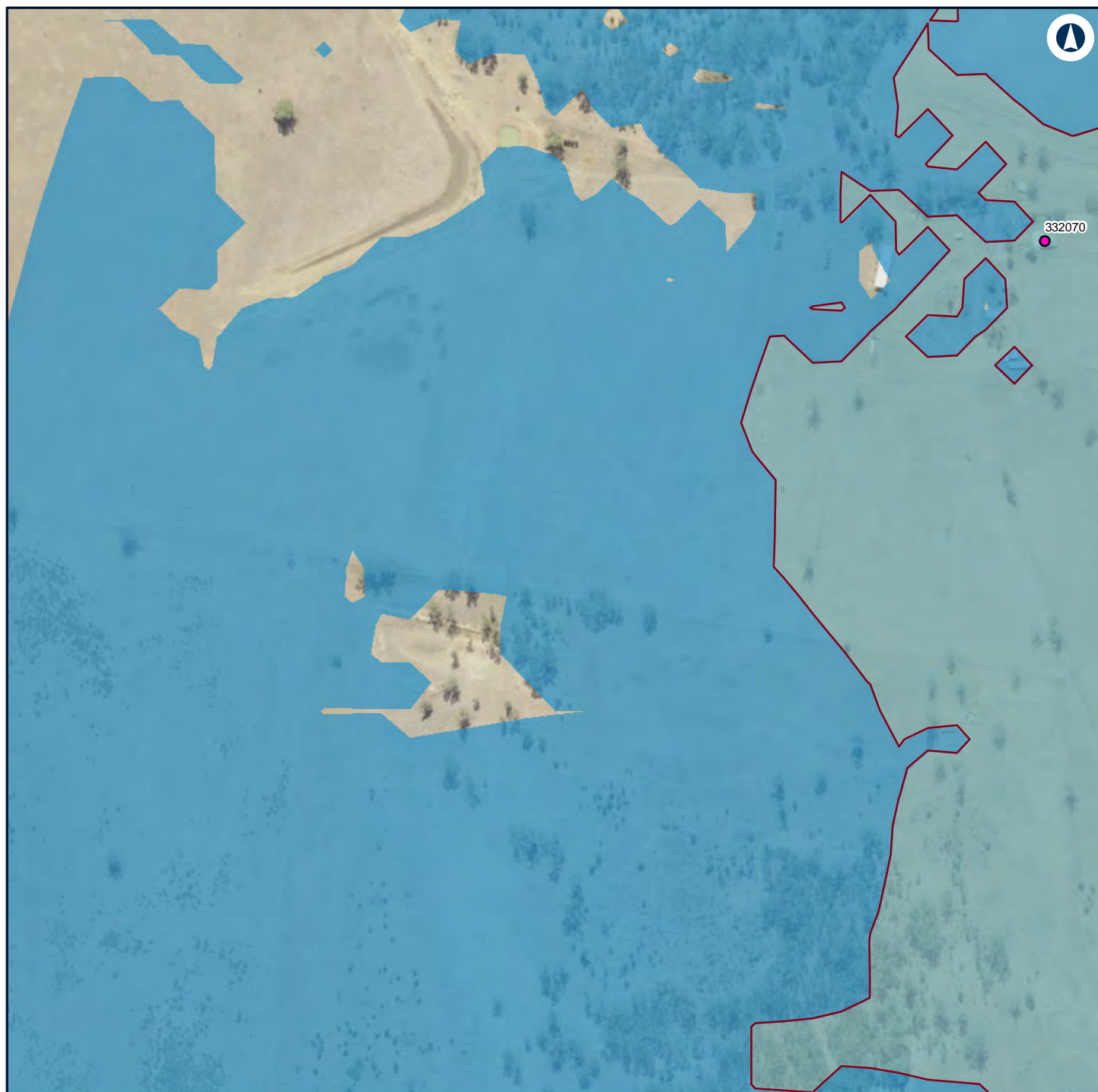
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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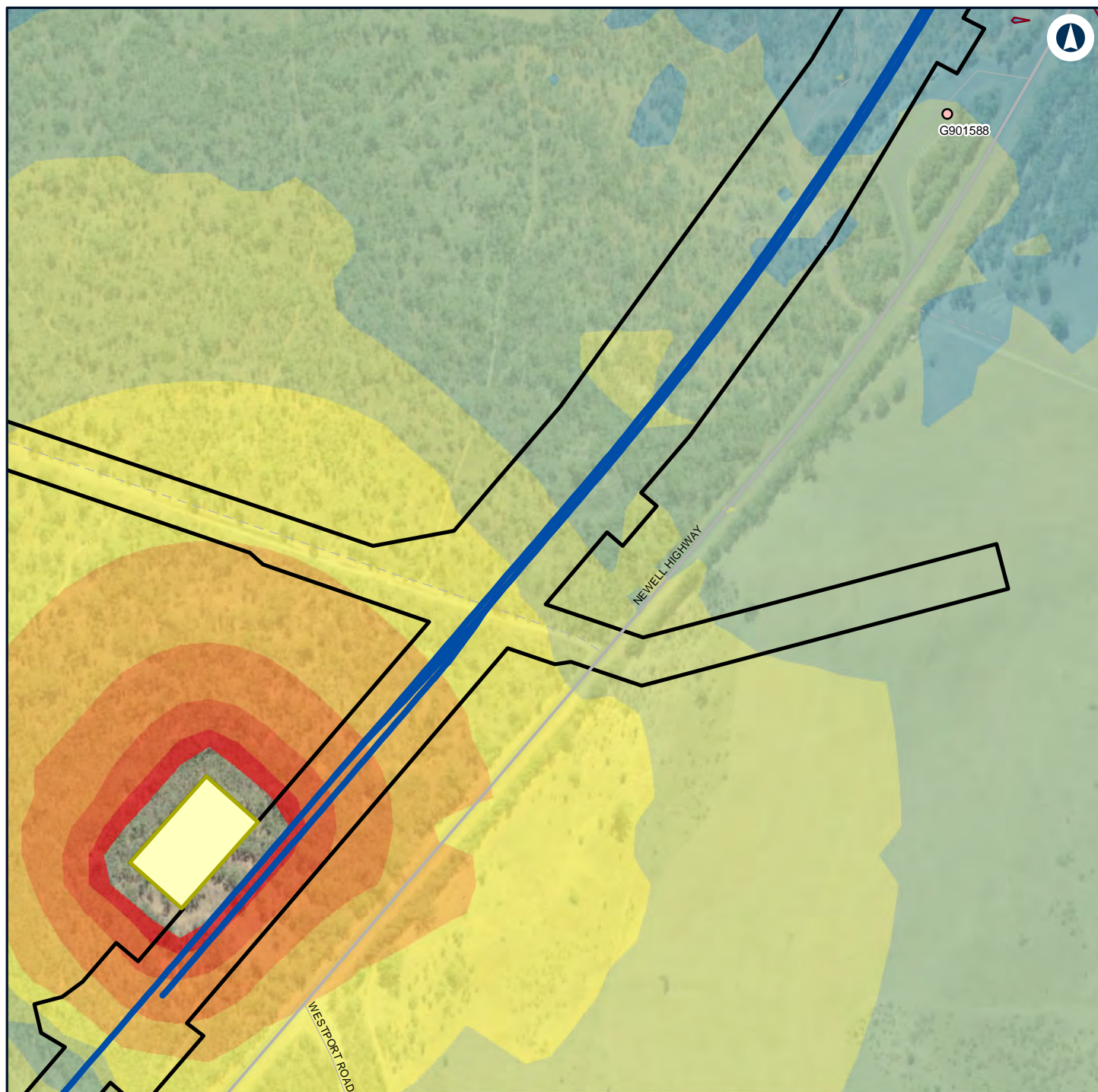
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Minor Compound
- Night-time noise management level

Structure type

- Passive recreation

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40

- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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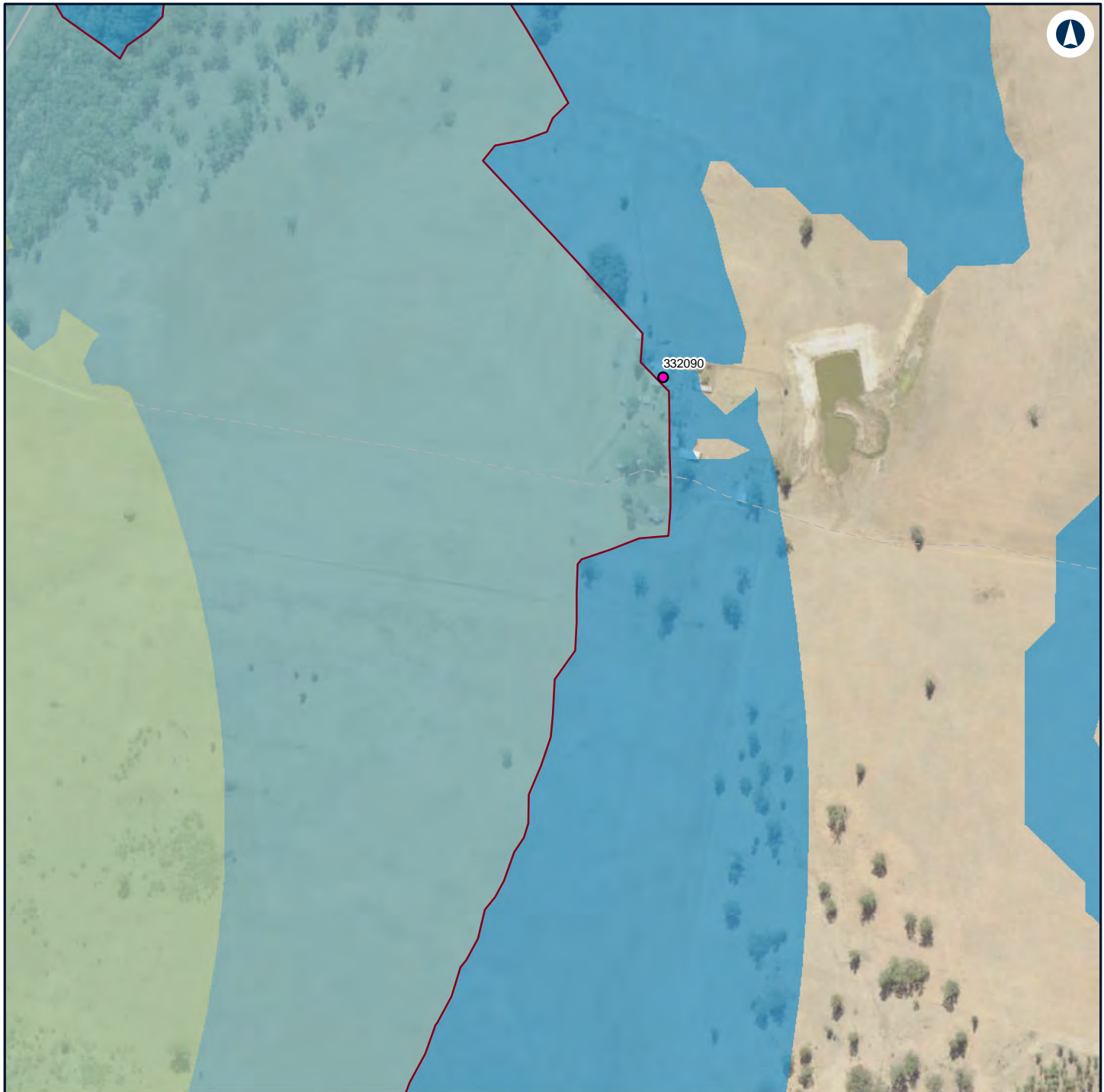
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Legend

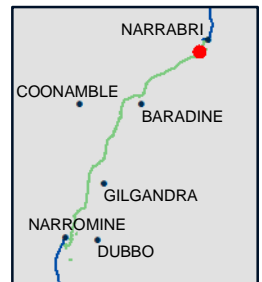
— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35
35 - 40
40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 16/07/2020

Paper: A4

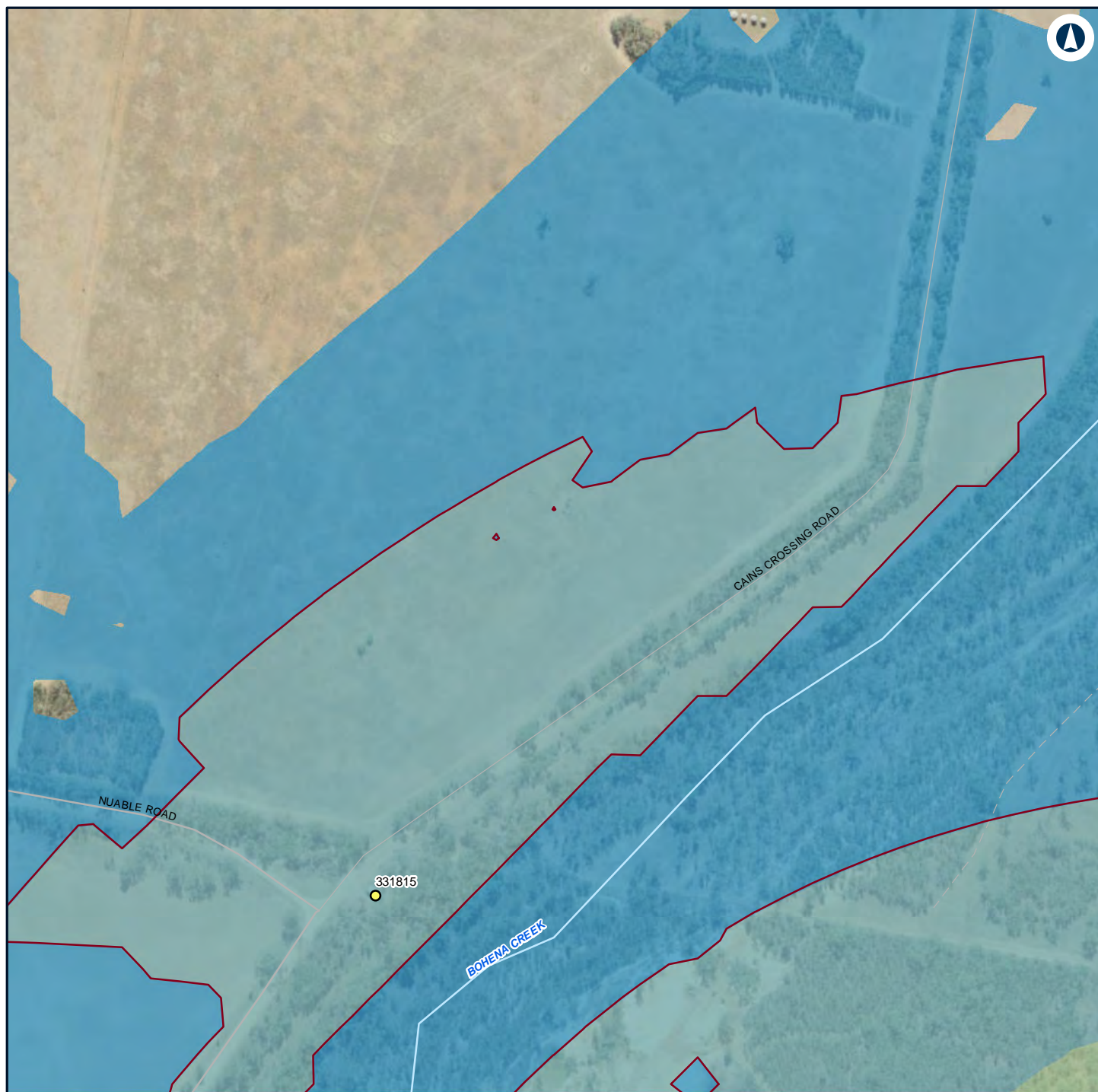
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Community

Noise level (dBA L_{Aeq} 15 minute)

30 - 35
35 - 40
40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 191 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Author: GHD

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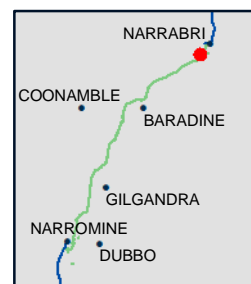
Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 192 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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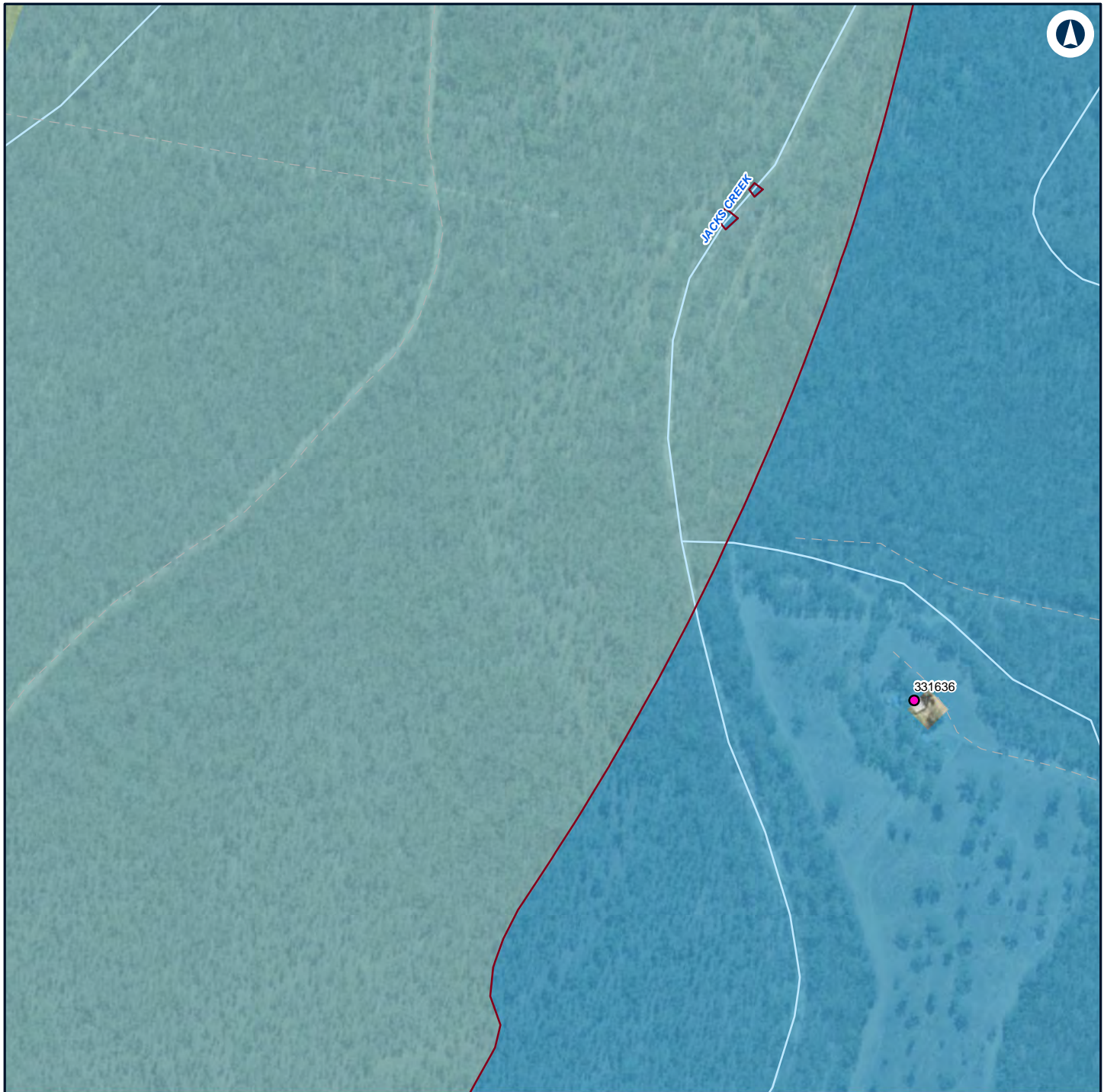
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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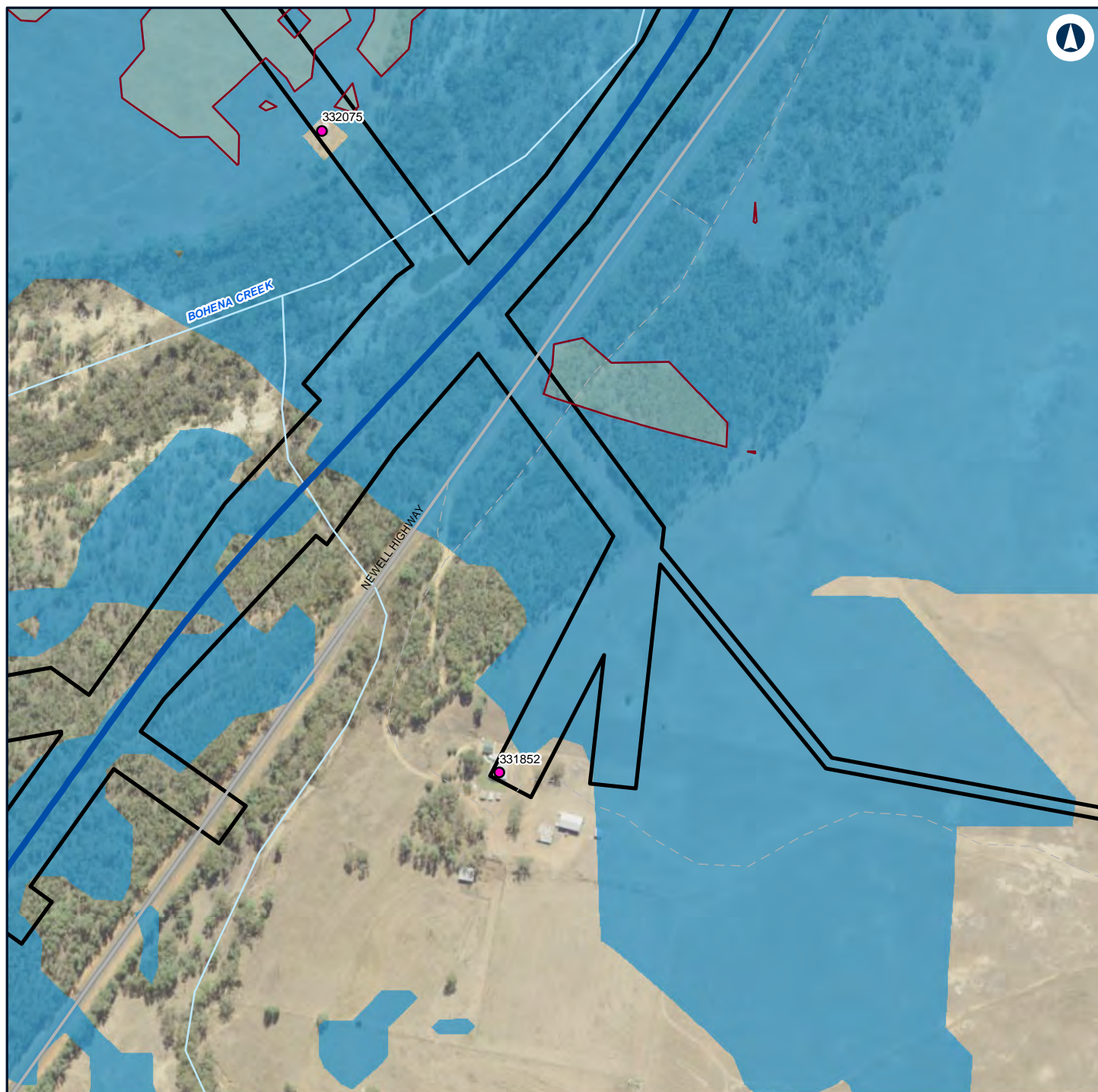
Construction noise contours, Construction Infrastructure (combined)

INLAND RAIL

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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 194 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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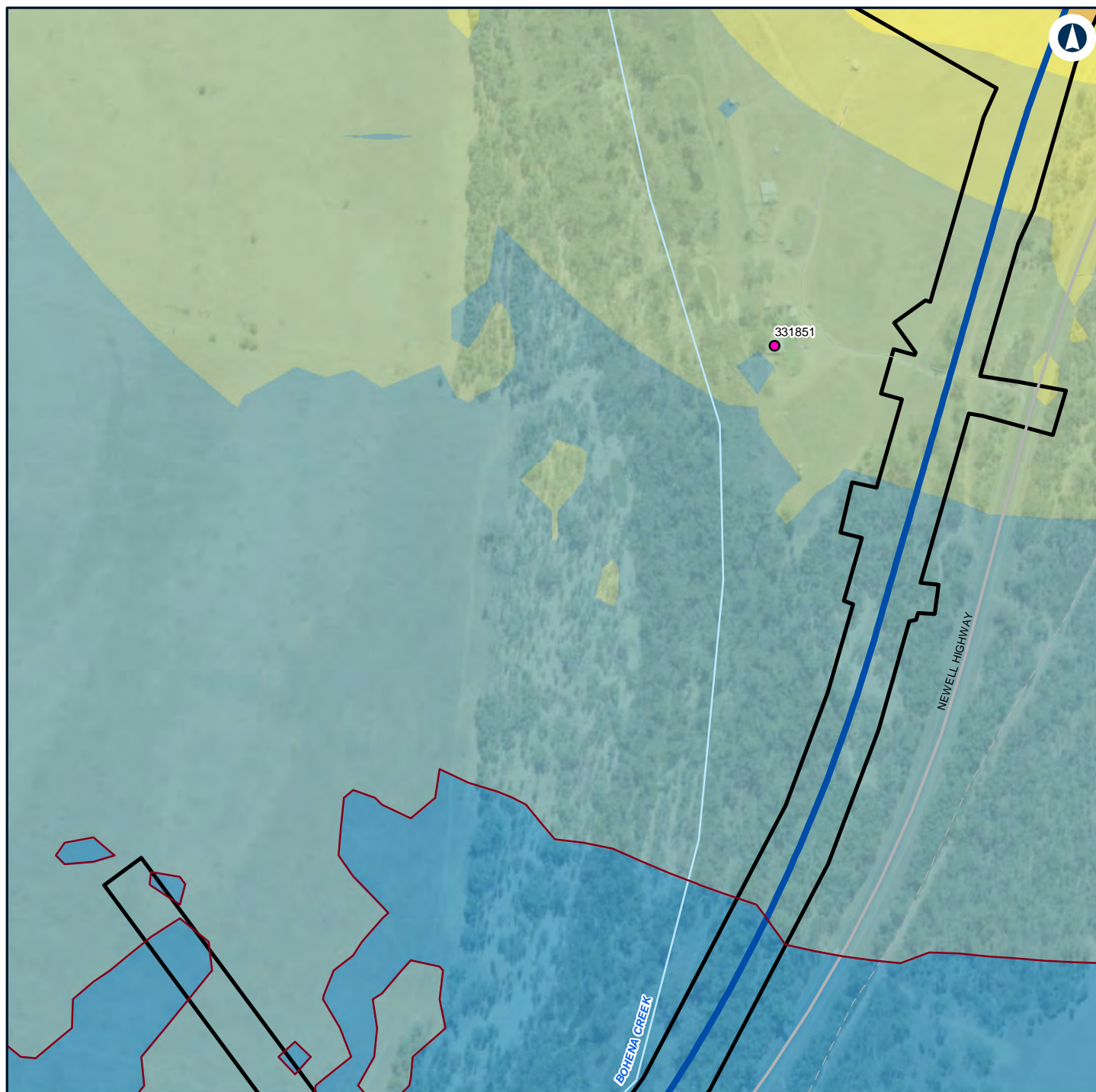
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

Construction footprint

Night-time noise management level

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

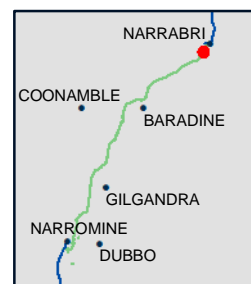
35 - 40

40 - 45

45 - 50

50 - 55

55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 195 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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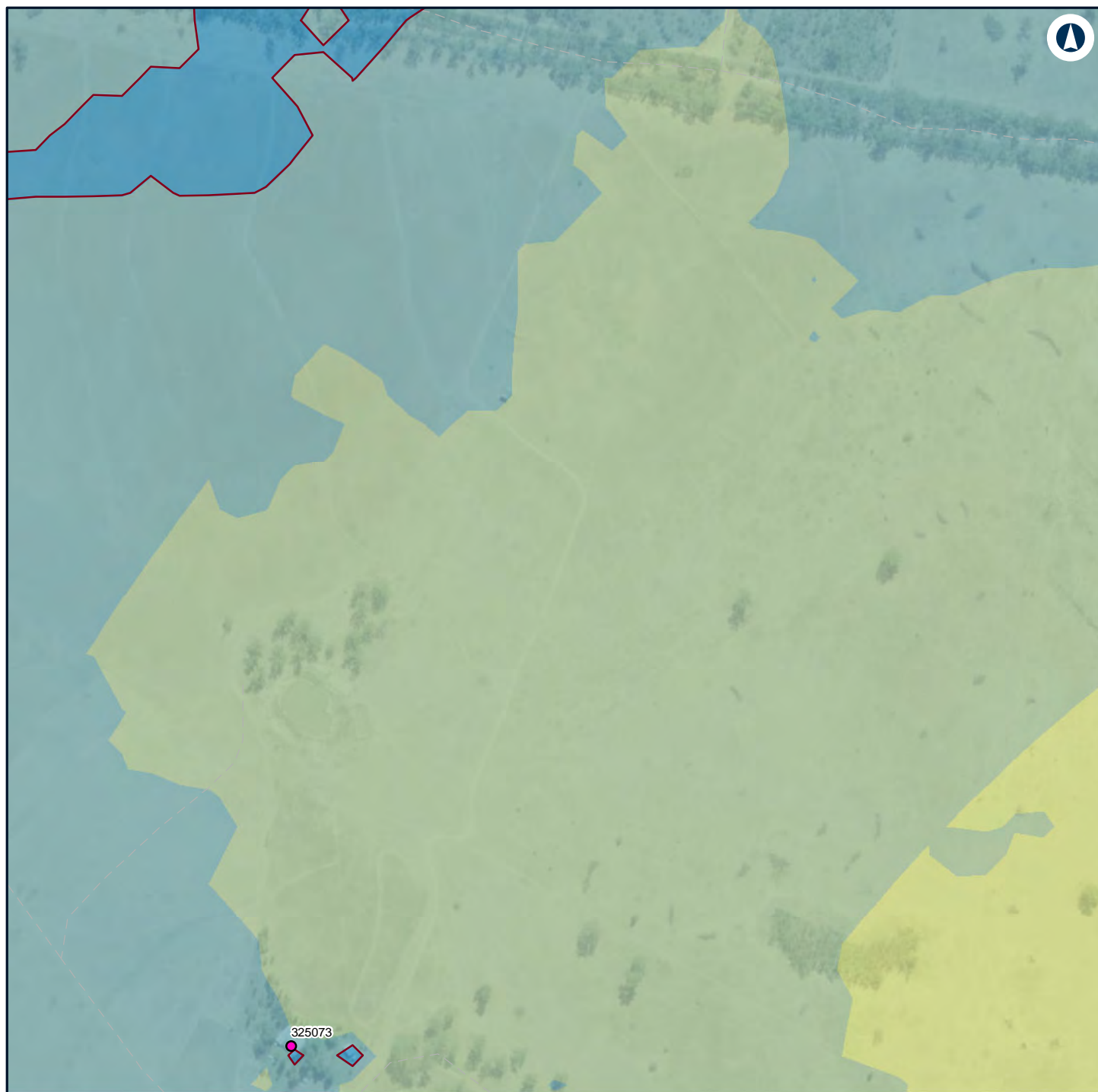
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Residential

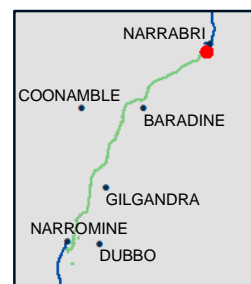
Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 196 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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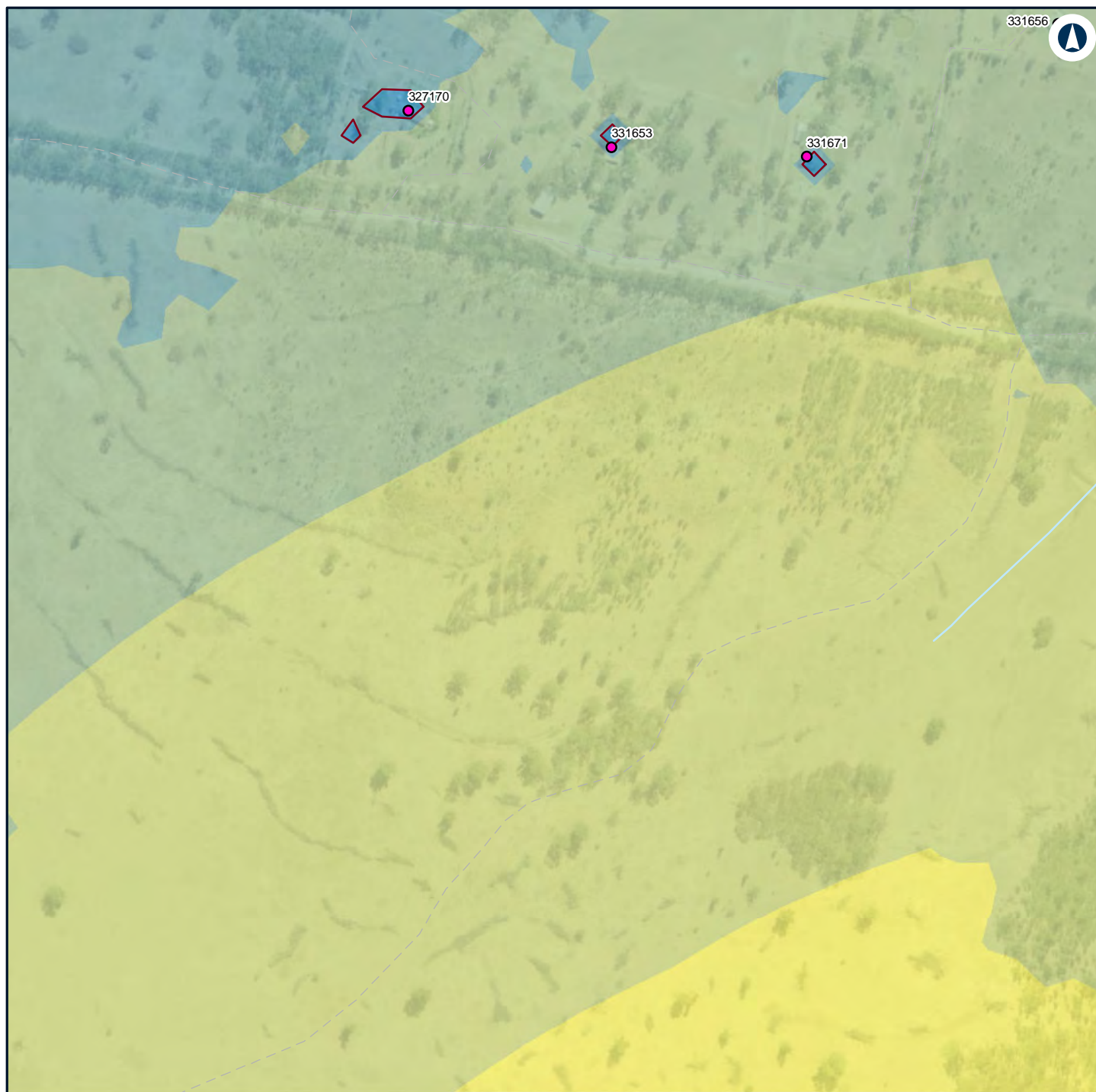
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Legend

— Night-time noise management level 50 - 55

Structure type

● Residential

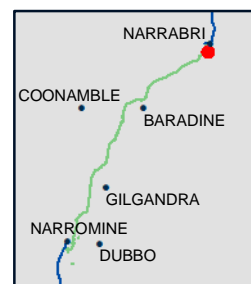
Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 197 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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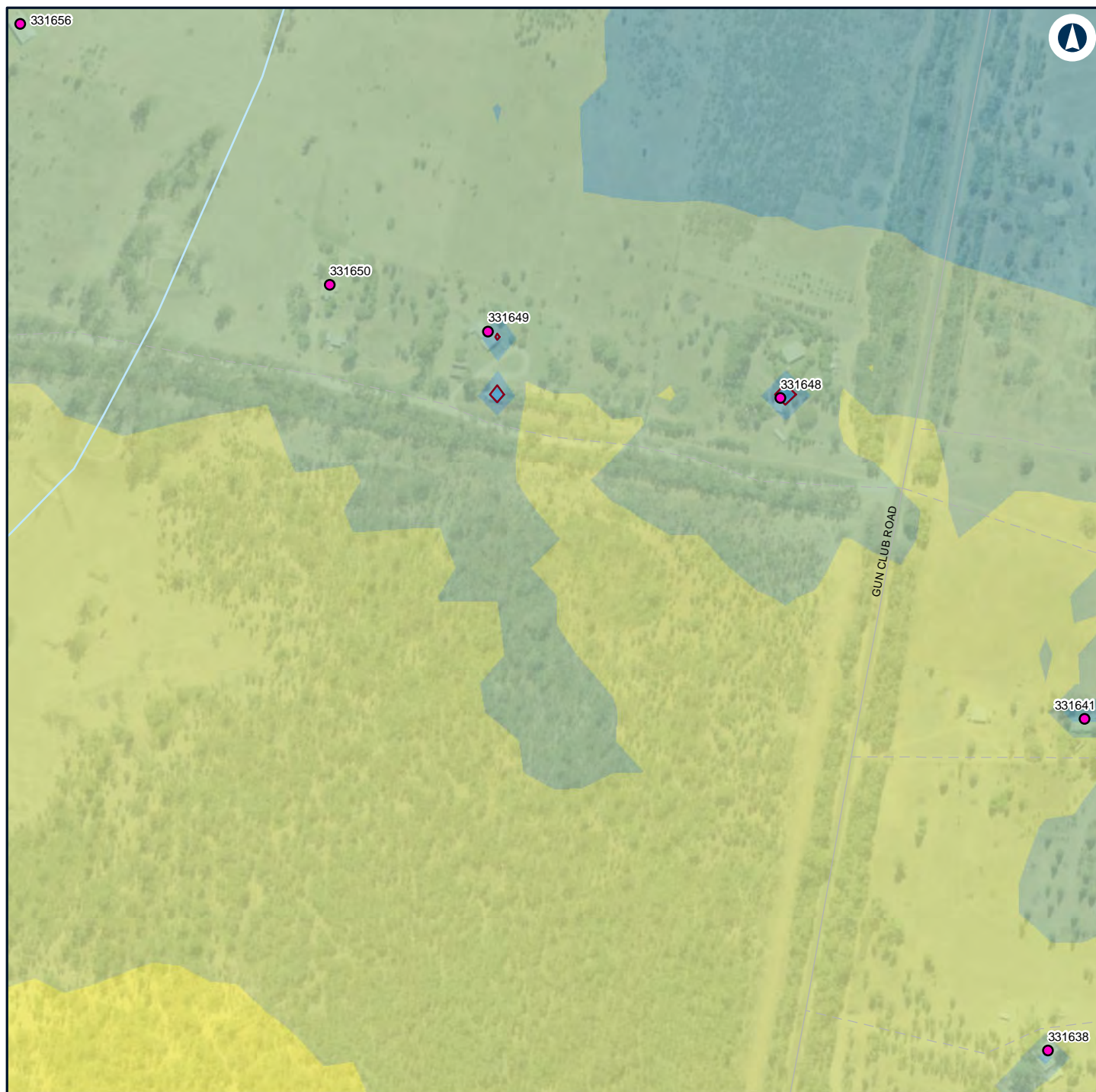
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Legend

— Night-time noise management level 50 - 55

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 198 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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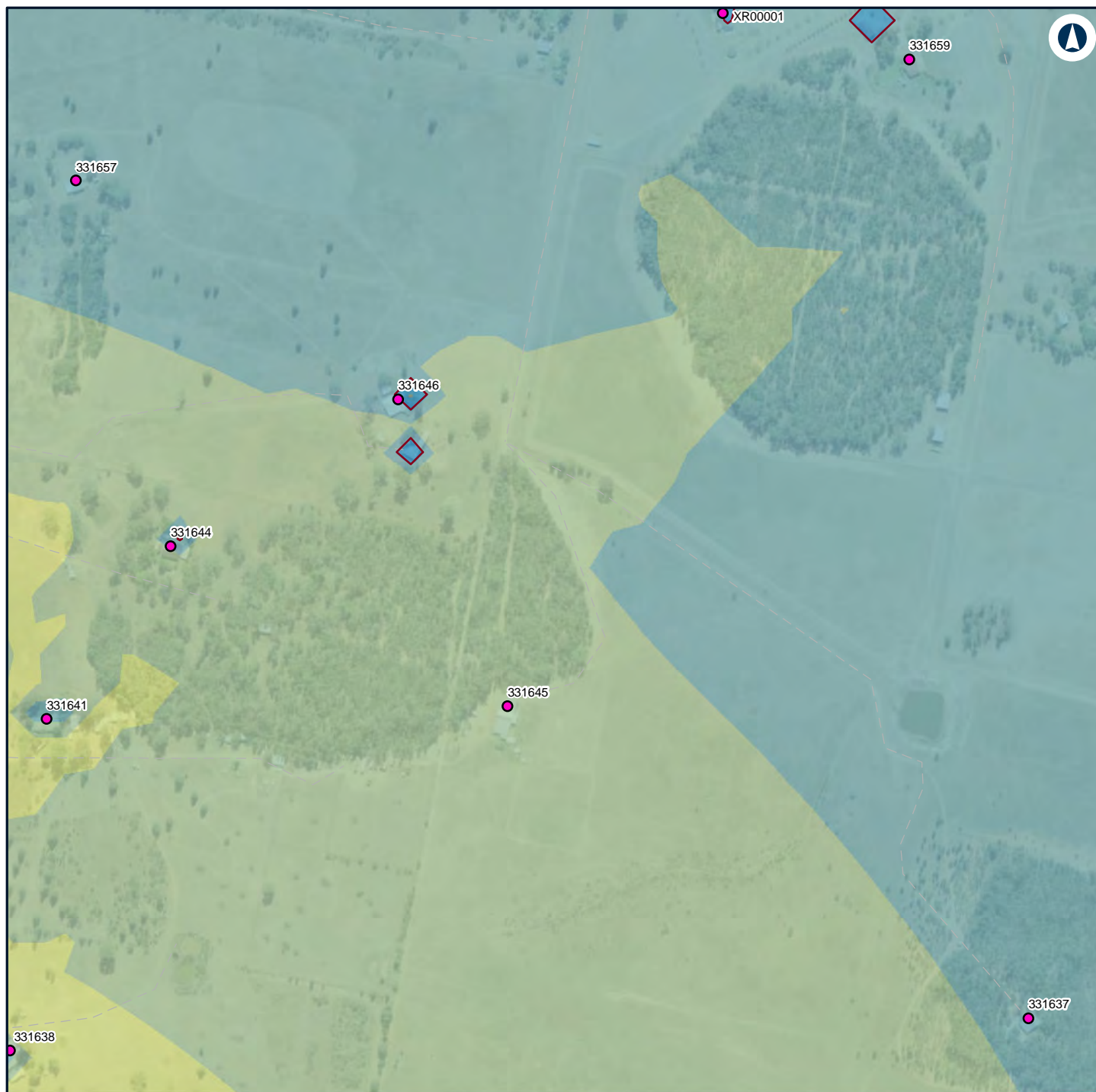
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Legend

— Night-time noise management level

Structure type

● Residential

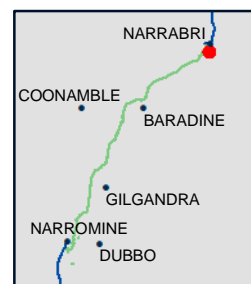
Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 199 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 200 of 249

0 0.1 0.2
Km

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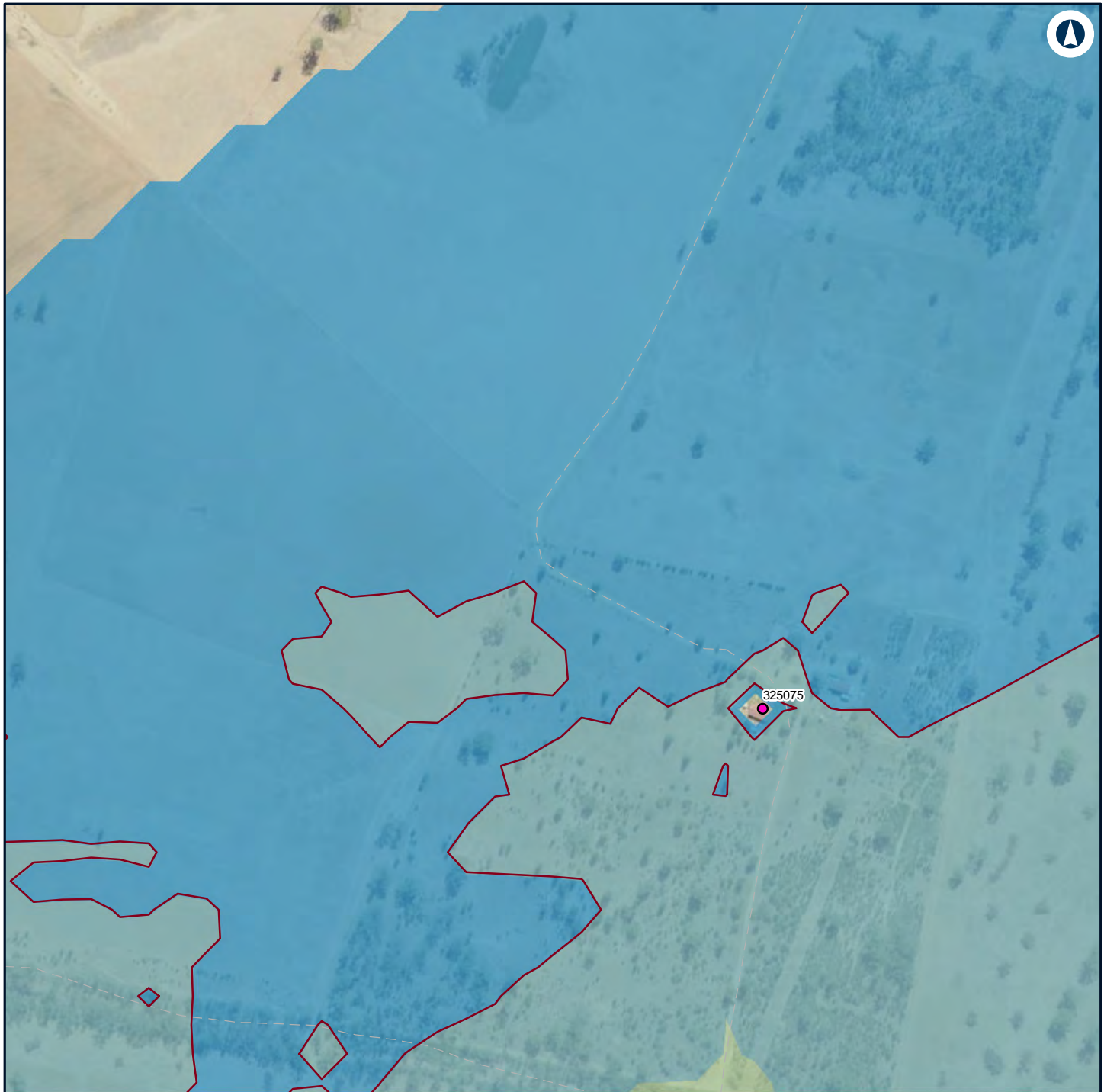
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Scale: 1:5,000

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Legend

— Night-time noise management level

Structure type

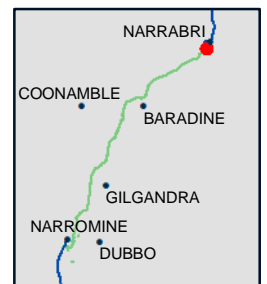
● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 201 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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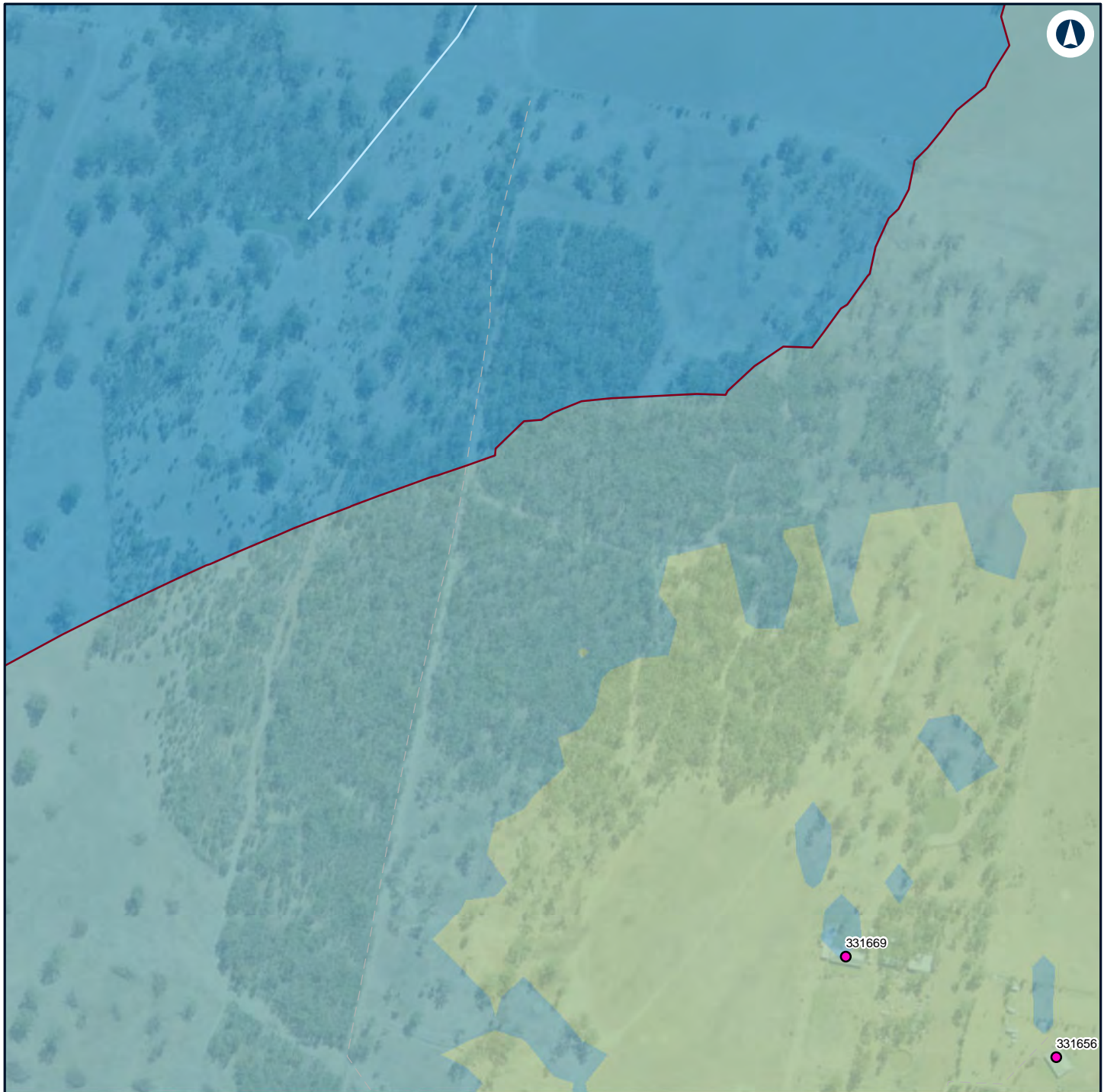
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 202 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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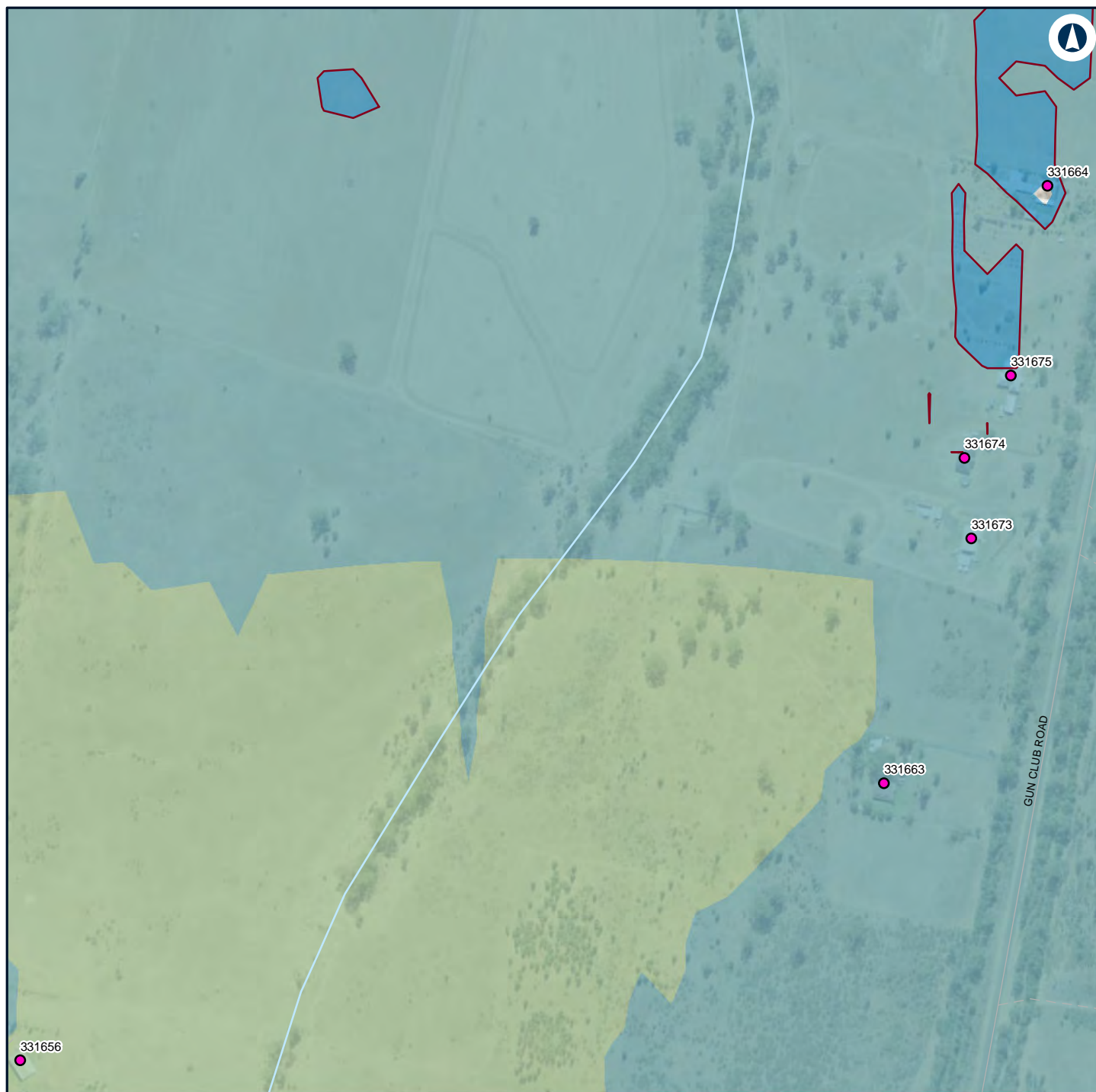
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Scale: 1:5,000

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 203 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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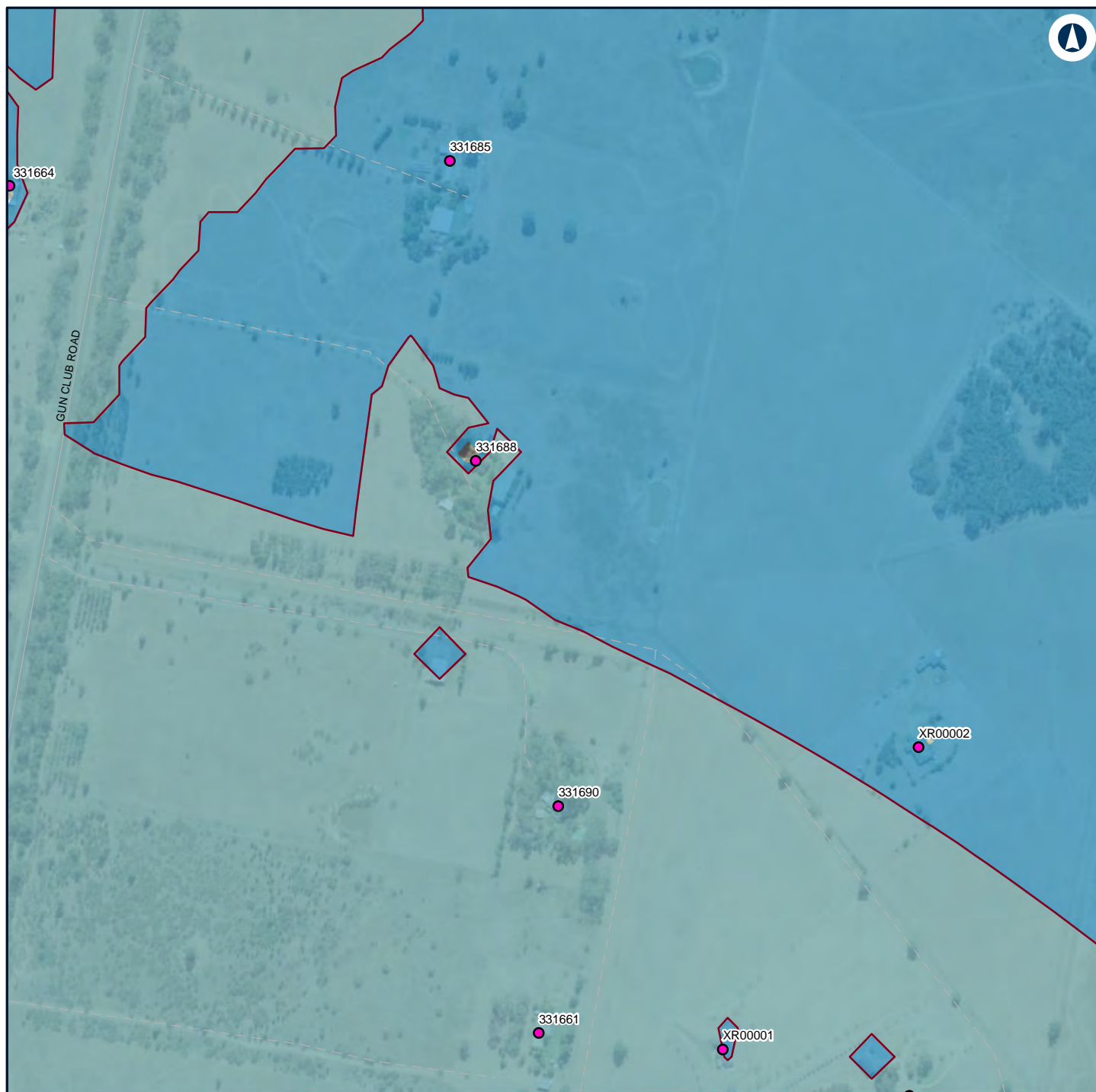
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Legend

— Night-time noise management level

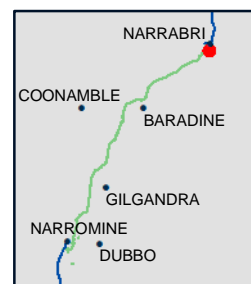
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 204 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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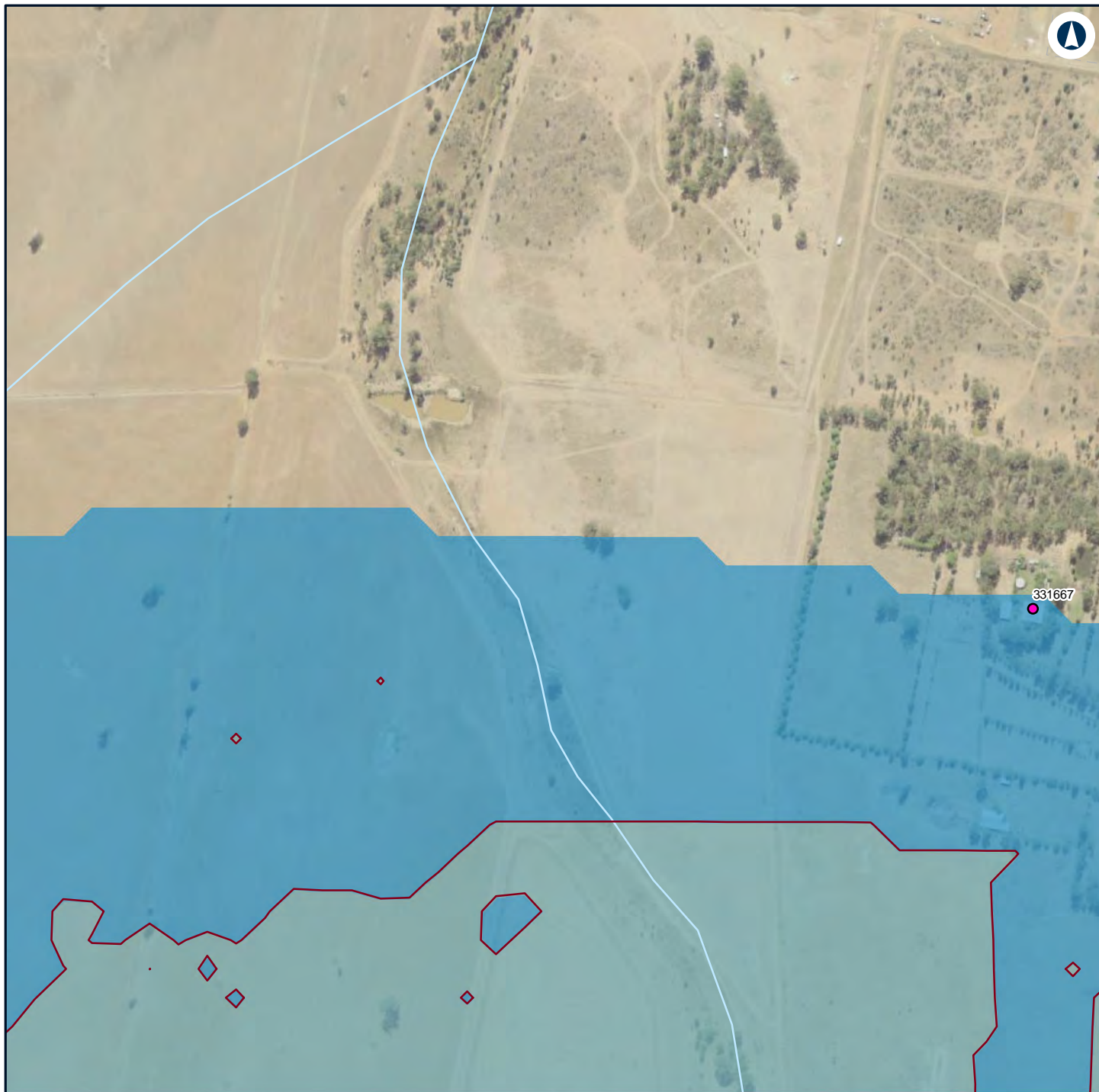
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Legend

— Night-time noise management level

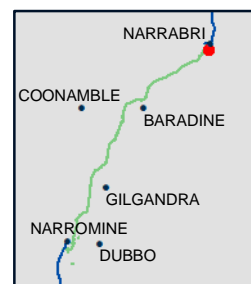
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 205 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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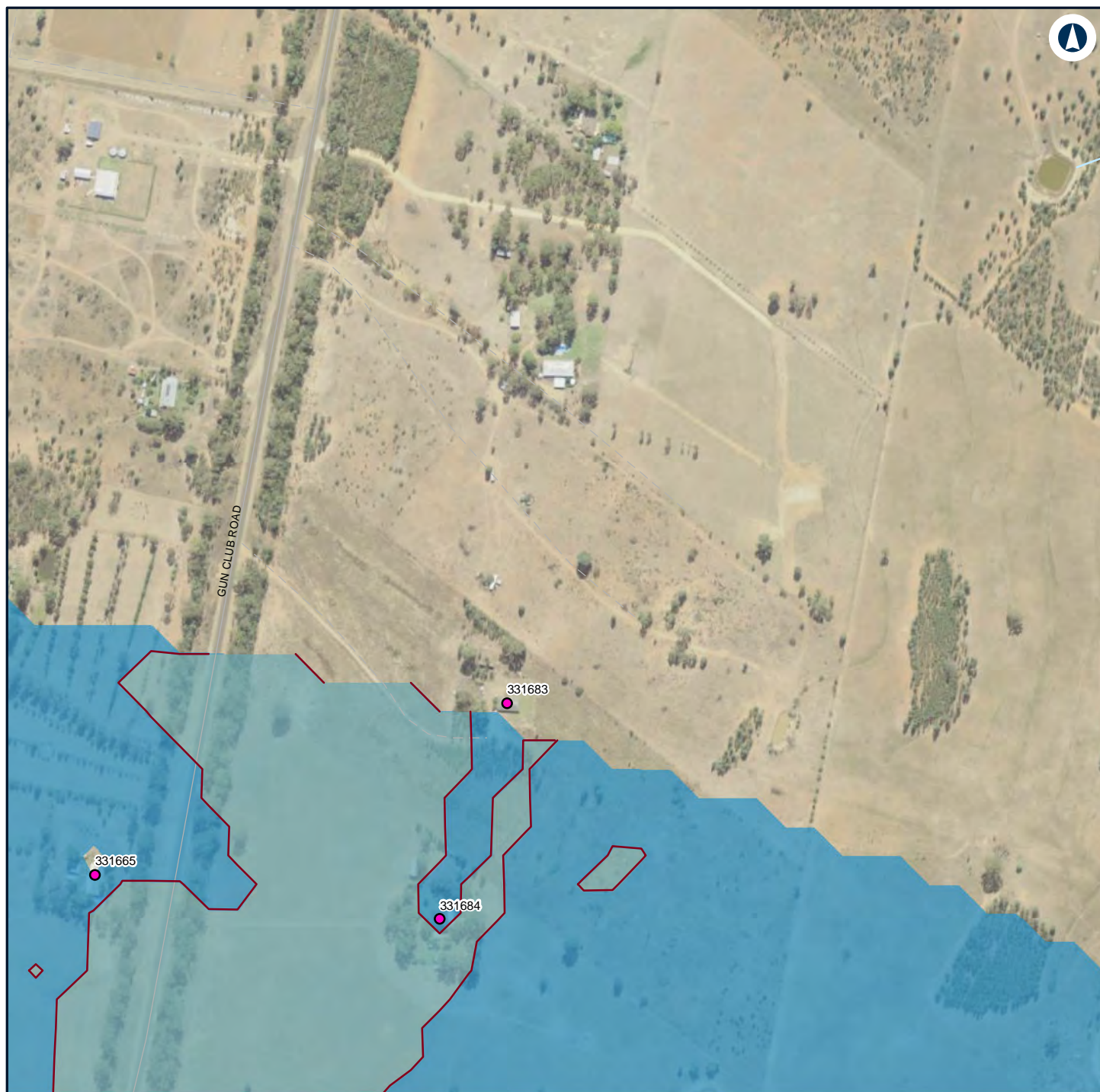
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Legend

— Night-time noise management level

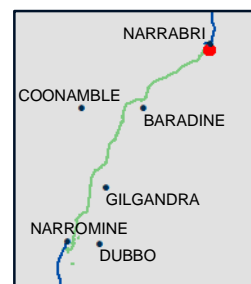
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 206 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

■ 30 - 35



00.10.2Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

Construction footprint

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 208 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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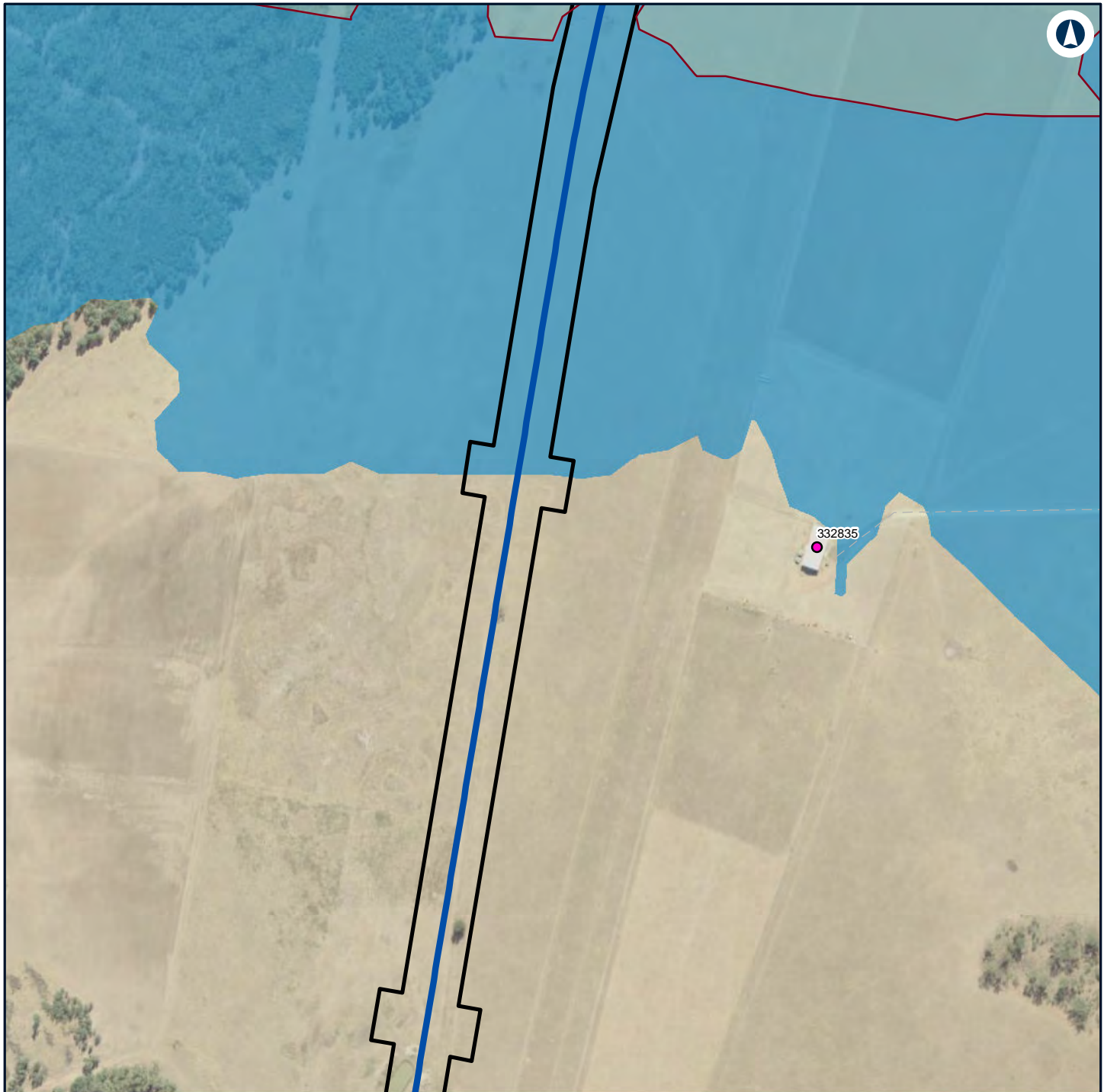
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

— Night-time noise management level

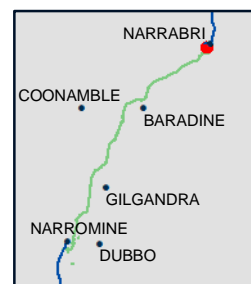
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 210 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 16/07/2020

Paper: A4

Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC) in partnership with the private sector.



Legend

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 16/07/2020
Author: GHD
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

Construction noise contours, Construction Infrastructure (combined)

Paper: A4
Scale: 1:5,000

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INLAND RAIL

ARTC

The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC) in partnership with the private sector.



Legend

Structure type

- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 212 of 249

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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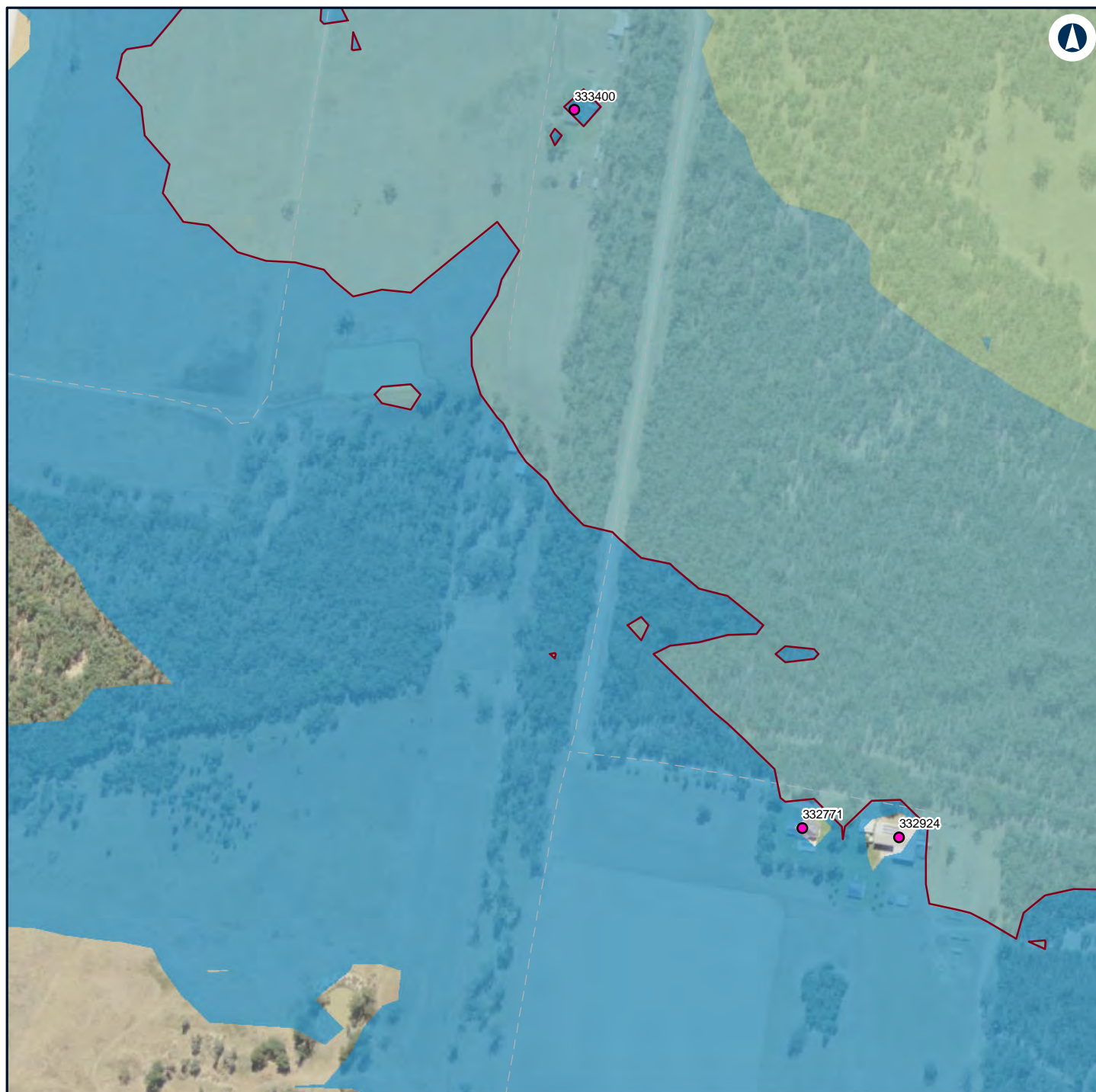
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Date: 16/07/2020 Paper: A4
Author: GHD Scale: 1:5,000
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL

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Legend

— Night-time noise management level

Structure type

● Residential

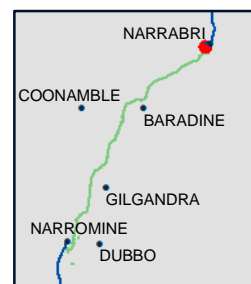
Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 213 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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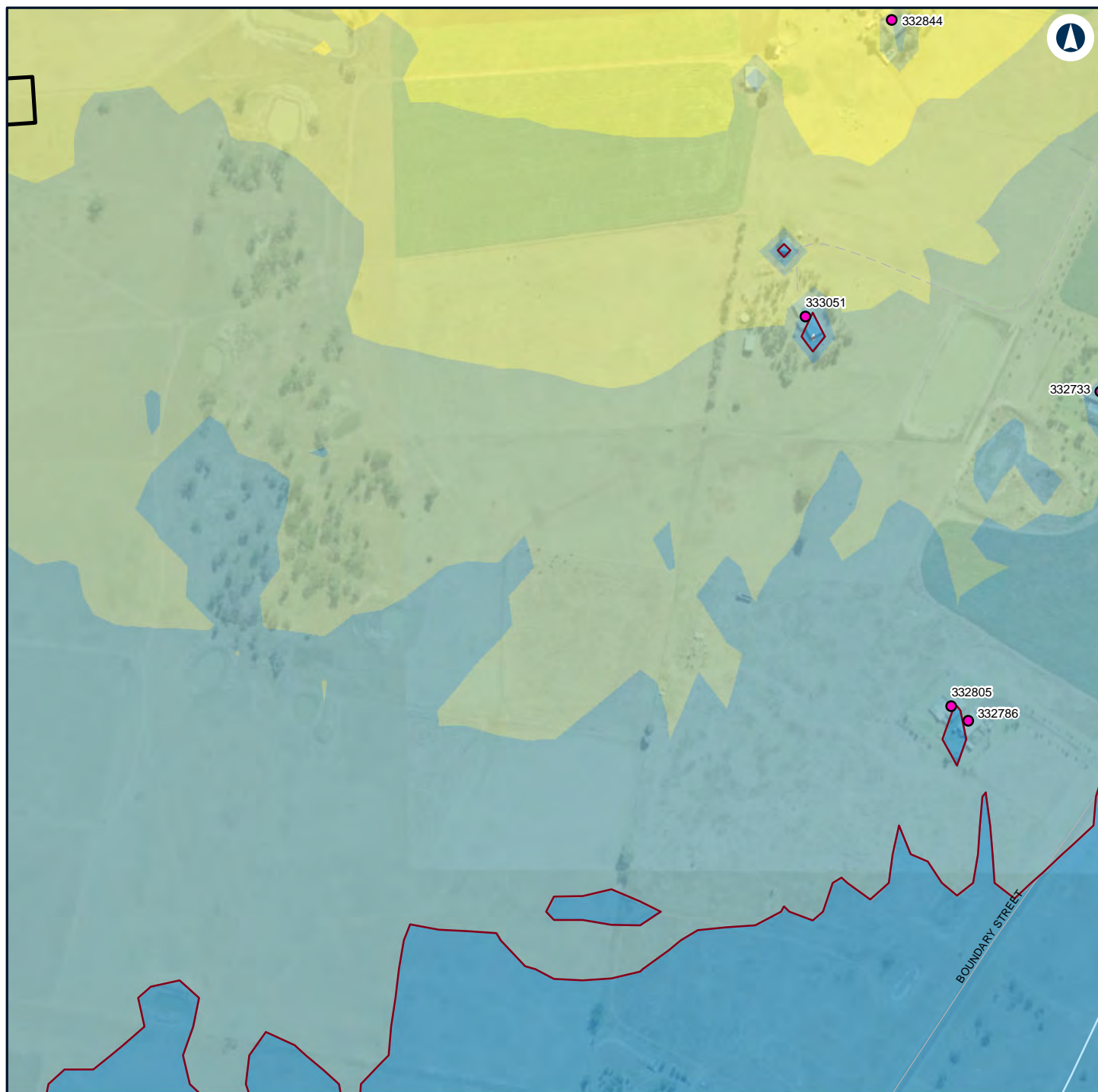
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

Construction footprint

Night-time noise management level

Structure type

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

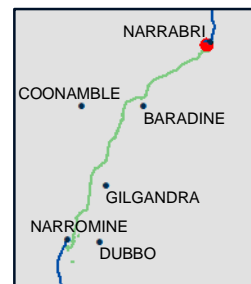
35 - 40

40 - 45

45 - 50

50 - 55

55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 214 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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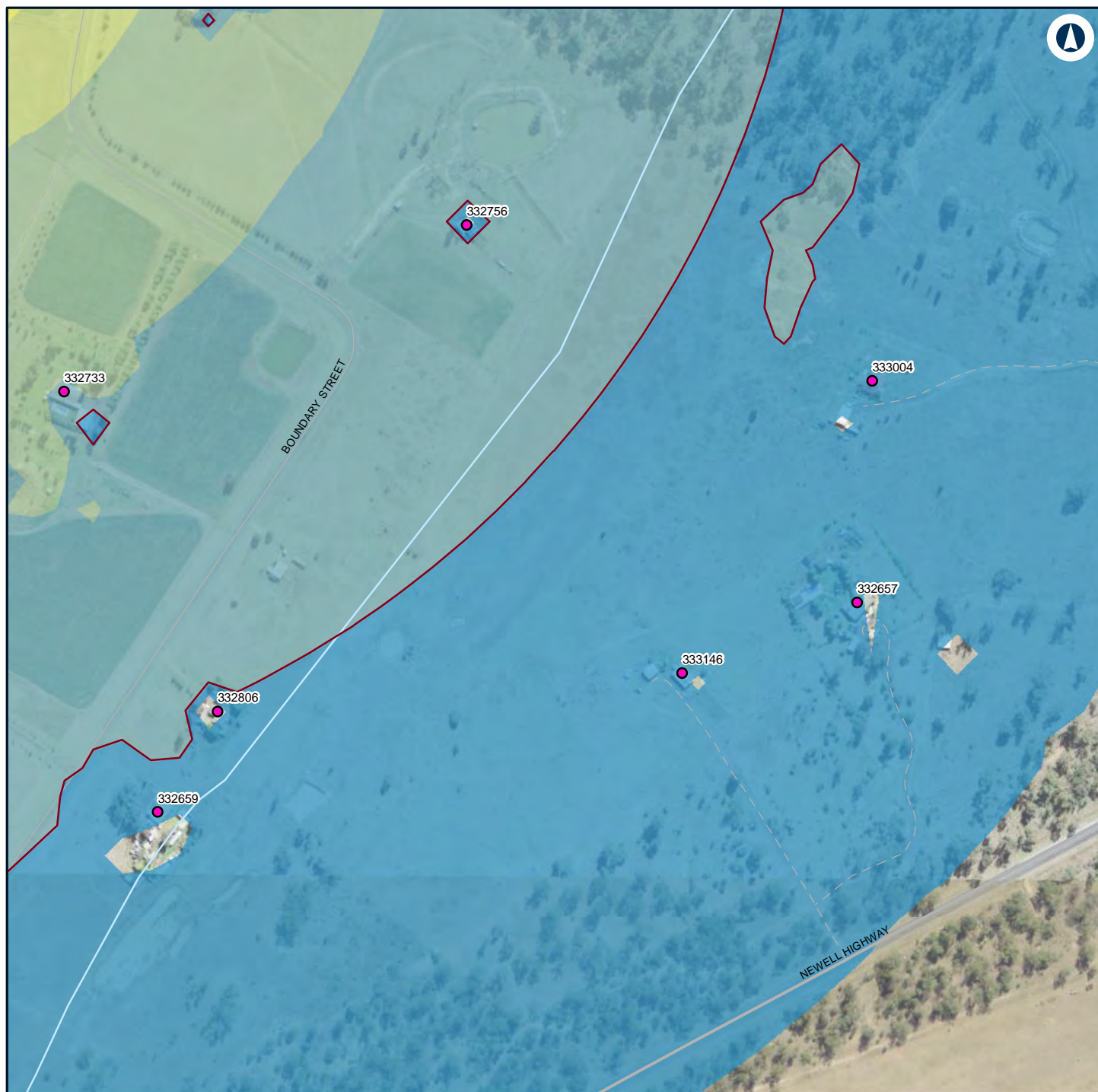
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level 50 - 55

Structure type

● Residential

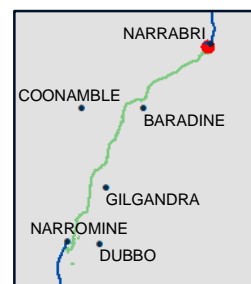
Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 215 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Author: GHD

Scale: 1:5,000

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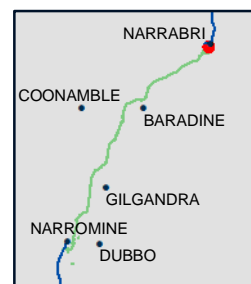
Legend

Structure type

- Commercial/Industrial
- Community
- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

Structure type

- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 217 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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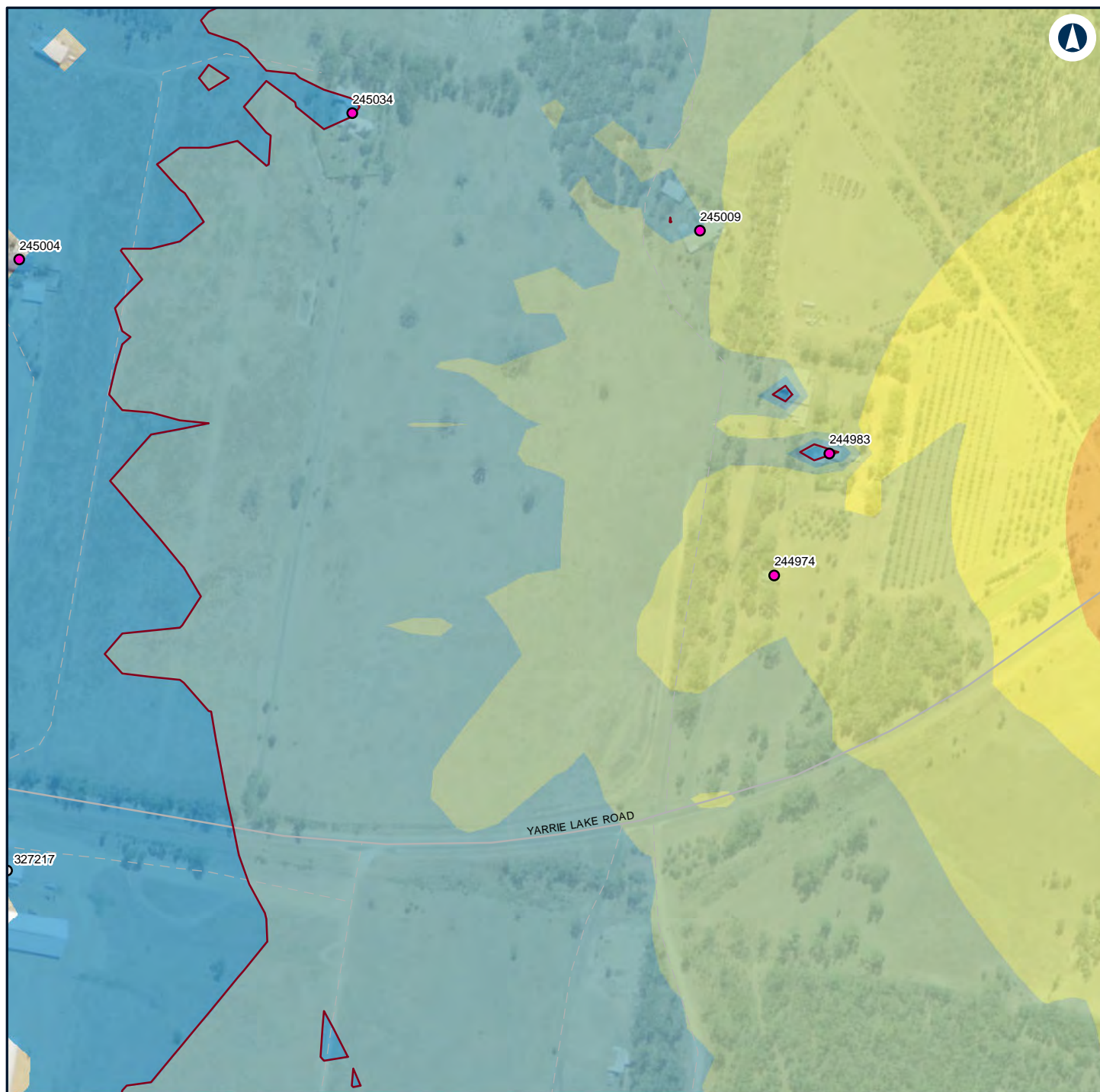
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

○ Commercial/Industrial

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

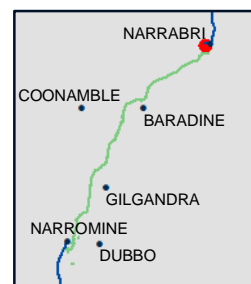
35 - 40

40 - 45

45 - 50

50 - 55

55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 218 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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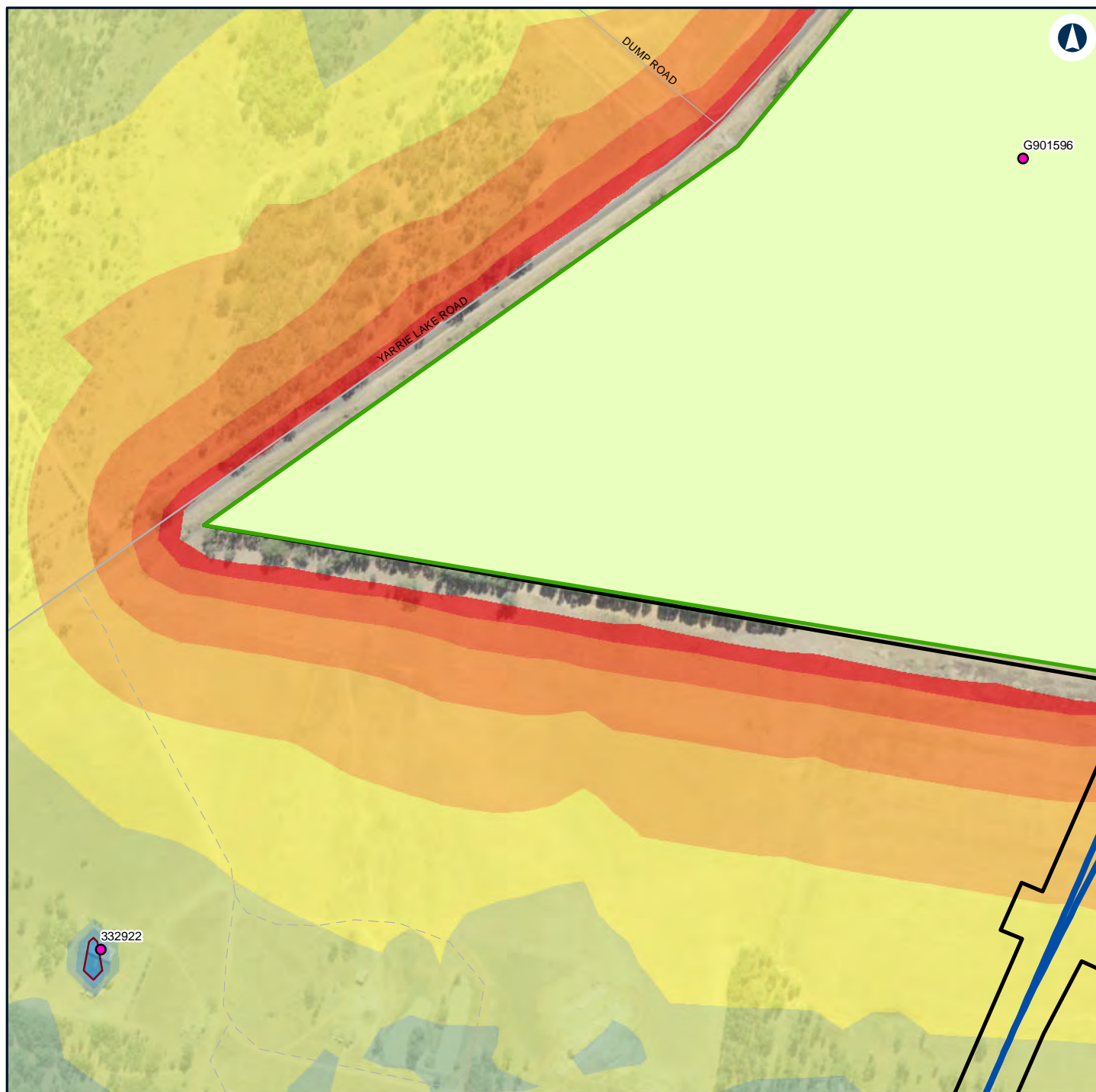
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Temporary workforce accommodation
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50

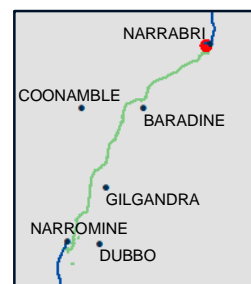
50 - 55

55 - 60

60 - 65

65 - 70

70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 219 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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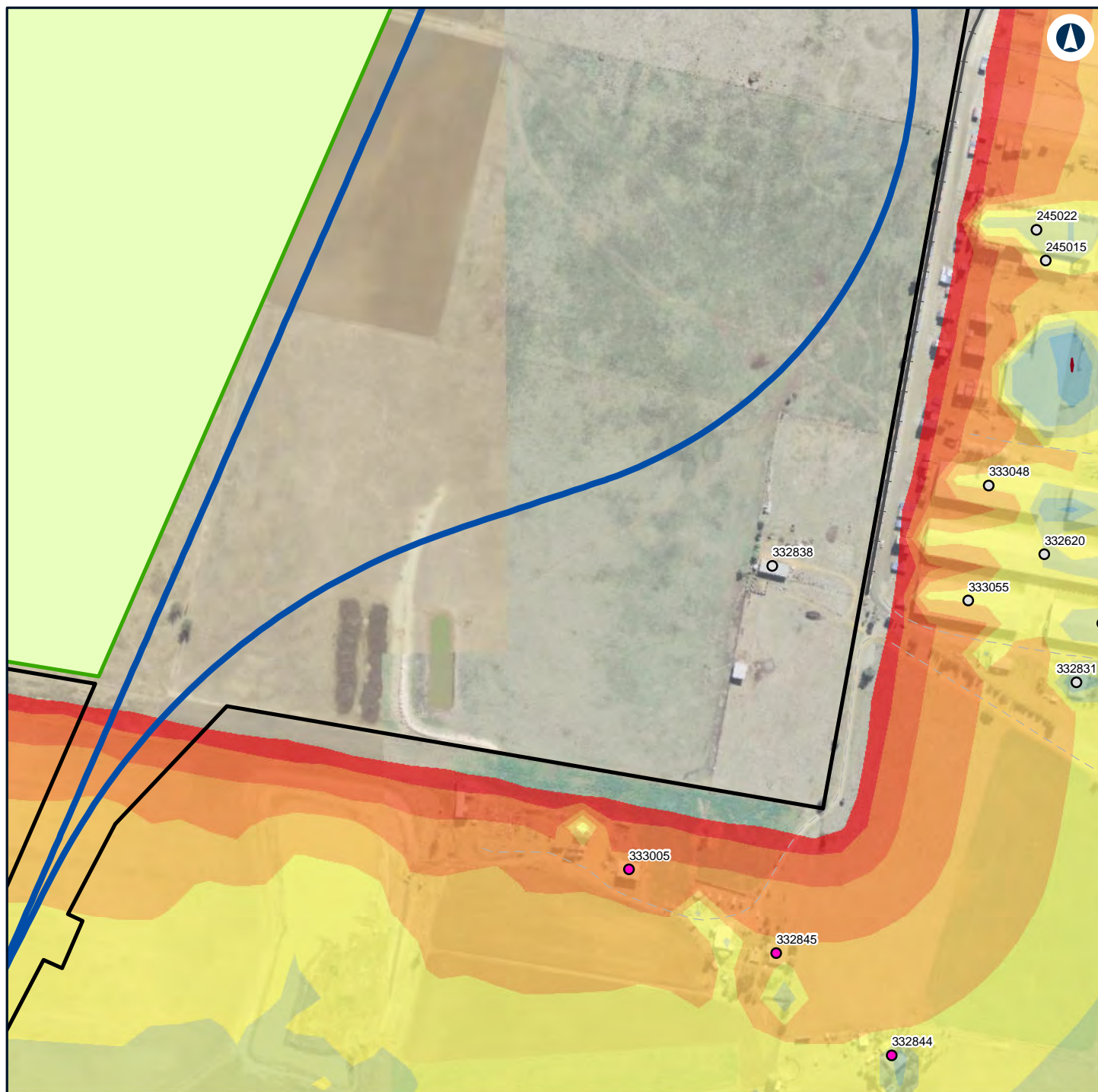
Author: GHD

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Legend

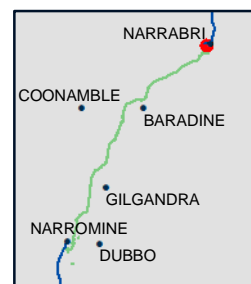
	Construction footprint		40 - 45
	Temporary workforce accommodation		45 - 50
	Night-time noise management level		50 - 55
	Commercial/Industrial		55 - 60
	Residential		60 - 65
	35 - 40		65 - 70
			70 - 75

Structure type

- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 220 of 249

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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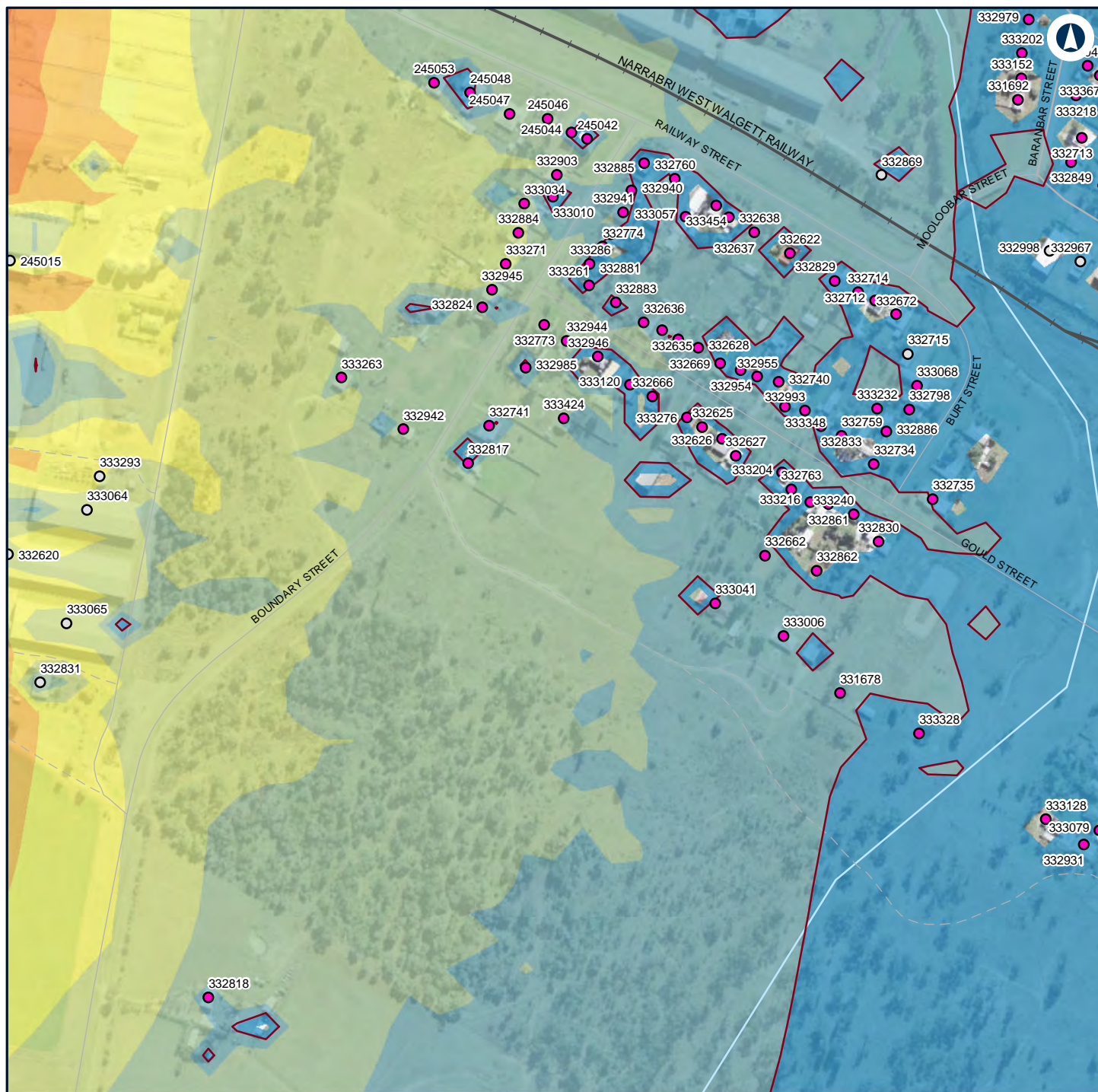
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

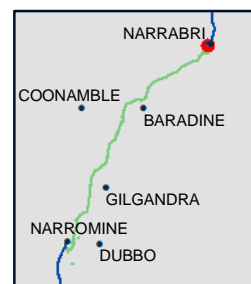
45 - 50

50 - 55

55 - 60

60 - 65

65 - 70



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 221 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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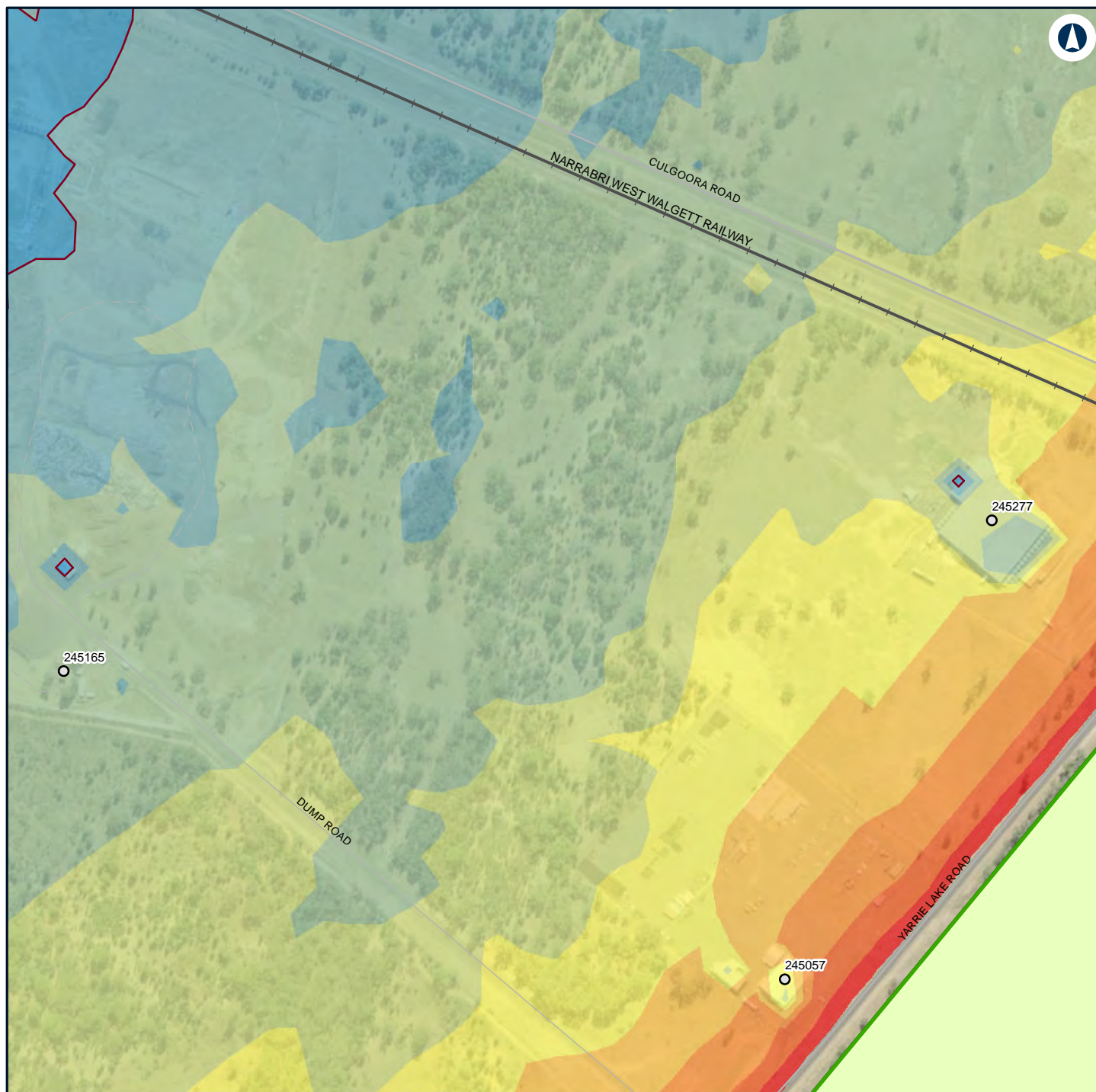
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

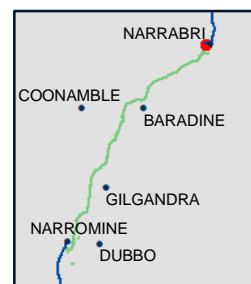
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Legend

	Construction footprint		40 - 45
	Temporary workforce accommodation		45 - 50
	Night-time noise management level		50 - 55
Structure type			55 - 60
	Commercial/Industrial		60 - 65
Noise level (dBA L_{Aeq} 15 minute)			65 - 70
	30 - 35		70 - 75
	35 - 40		



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 223 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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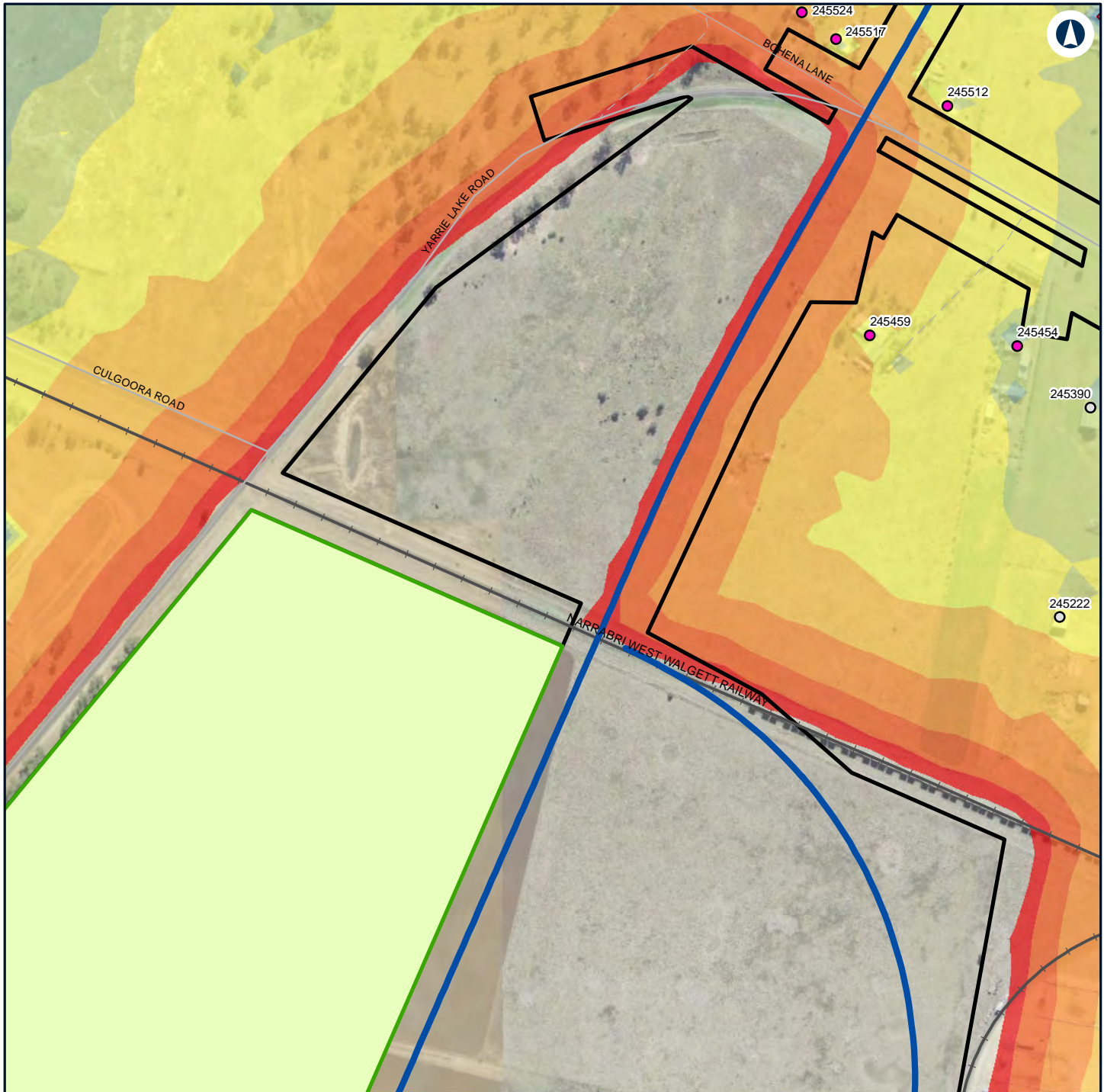
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Temporary workforce accommodation
- Night-time noise management level

Structure type

- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- | | |
|--|--|
| 30 - 35 | 35 - 40 |
| 40 - 45 | 45 - 50 |
| 50 - 55 | 55 - 60 |
| 60 - 65 | 65 - 70 |
| 70 - 75 | |



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 224 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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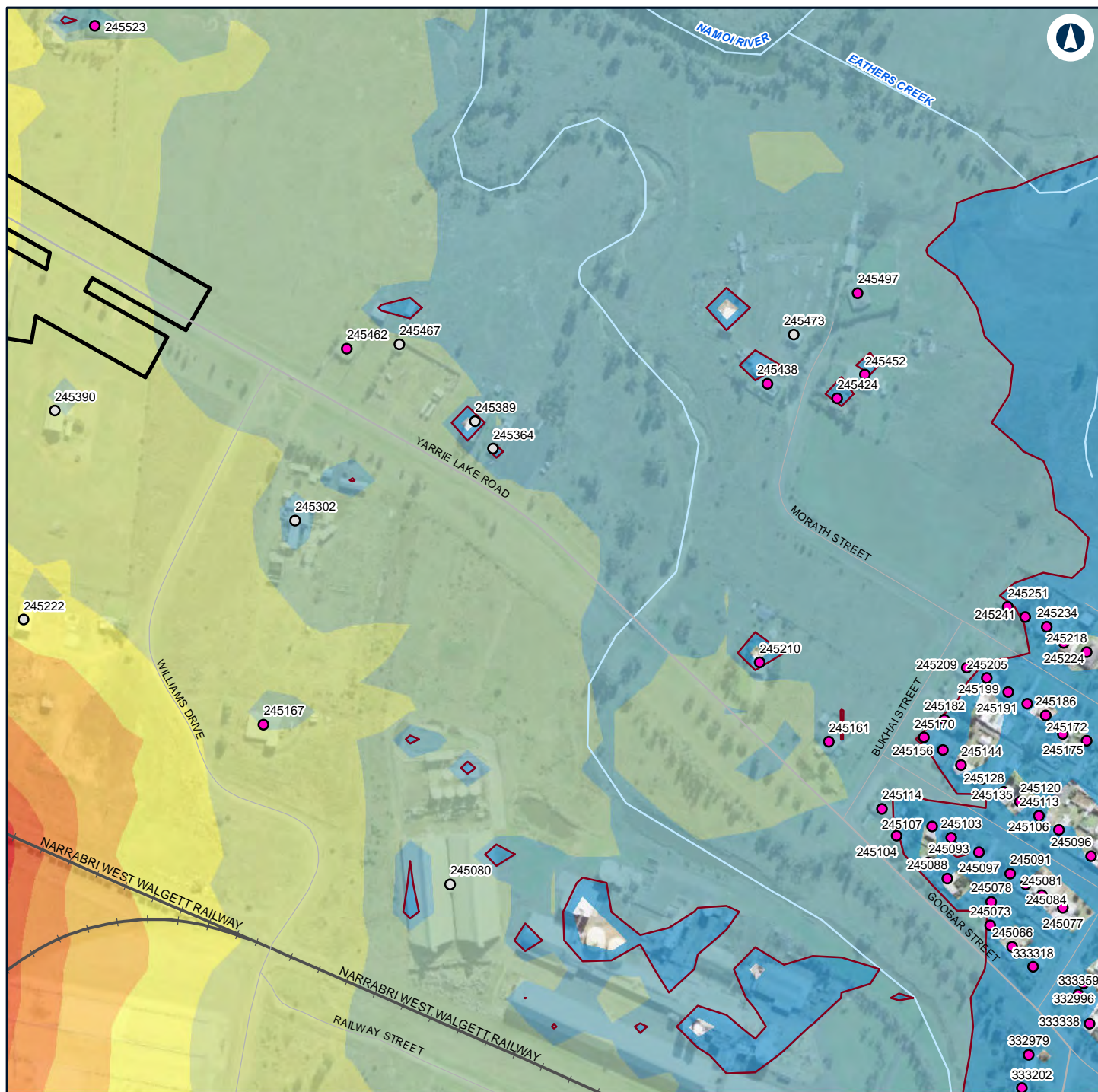
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

Construction footprint

Night-time noise management level

Structure type

Commercial/Industrial

Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75



NARRABRI TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 225 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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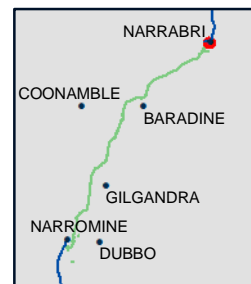
Legend

Structure type

- Active recreation
- Commercial/Industrial
- Community
- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 227 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

— Night-time noise management level

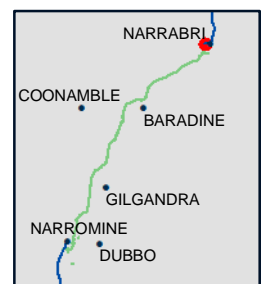
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 228 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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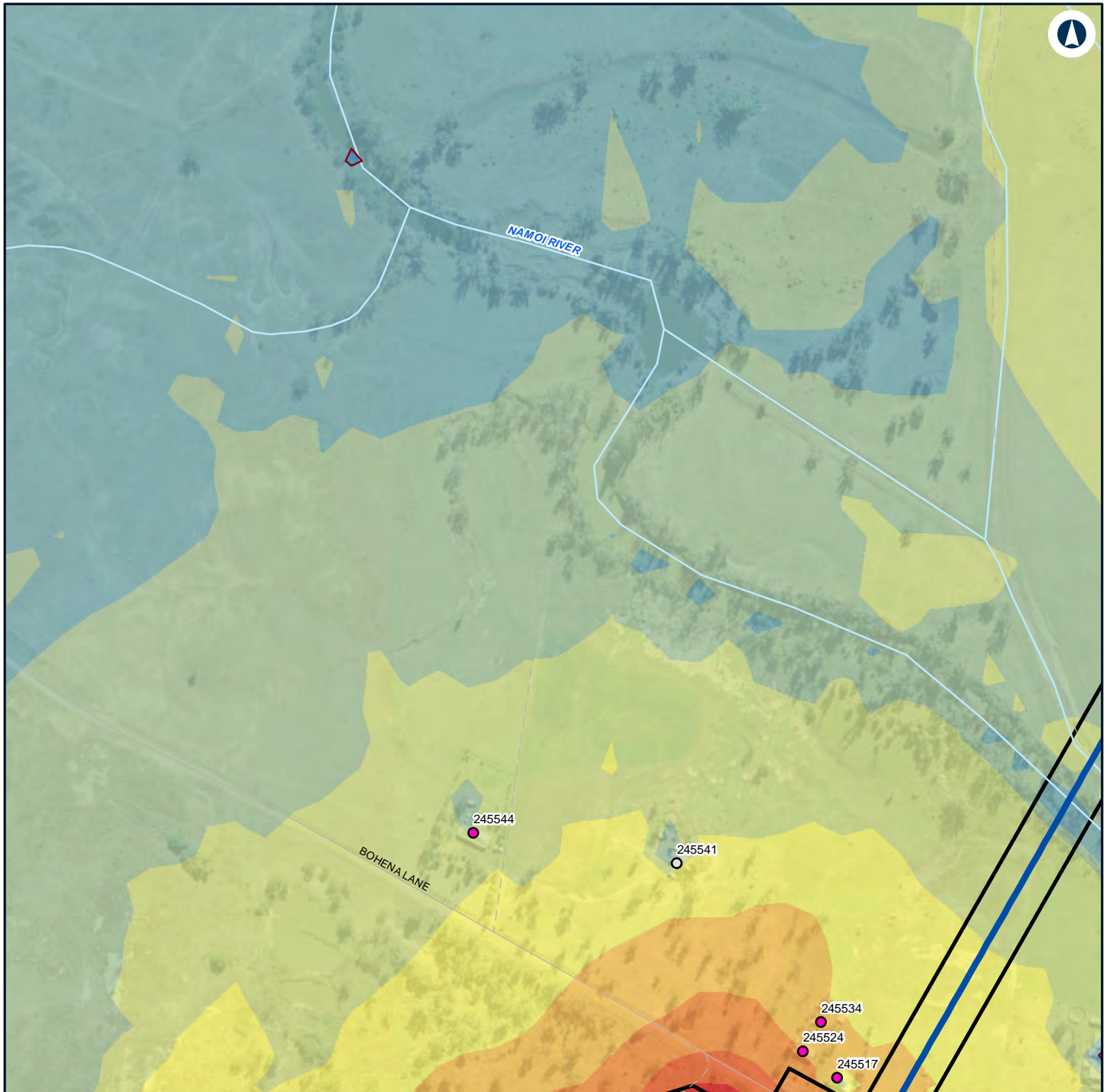
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Legend

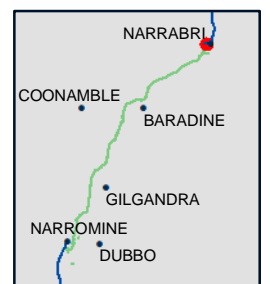
- Construction footprint
- Night-time noise management level

Structure type

- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- | | | | |
|--|---------|--|---------|
| | 30 - 35 | | 40 - 45 |
| | 35 - 40 | | 45 - 50 |
| | | | 50 - 55 |
| | | | 55 - 60 |
| | | | 60 - 65 |
| | | | 65 - 70 |
| | | | 70 - 75 |



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 229 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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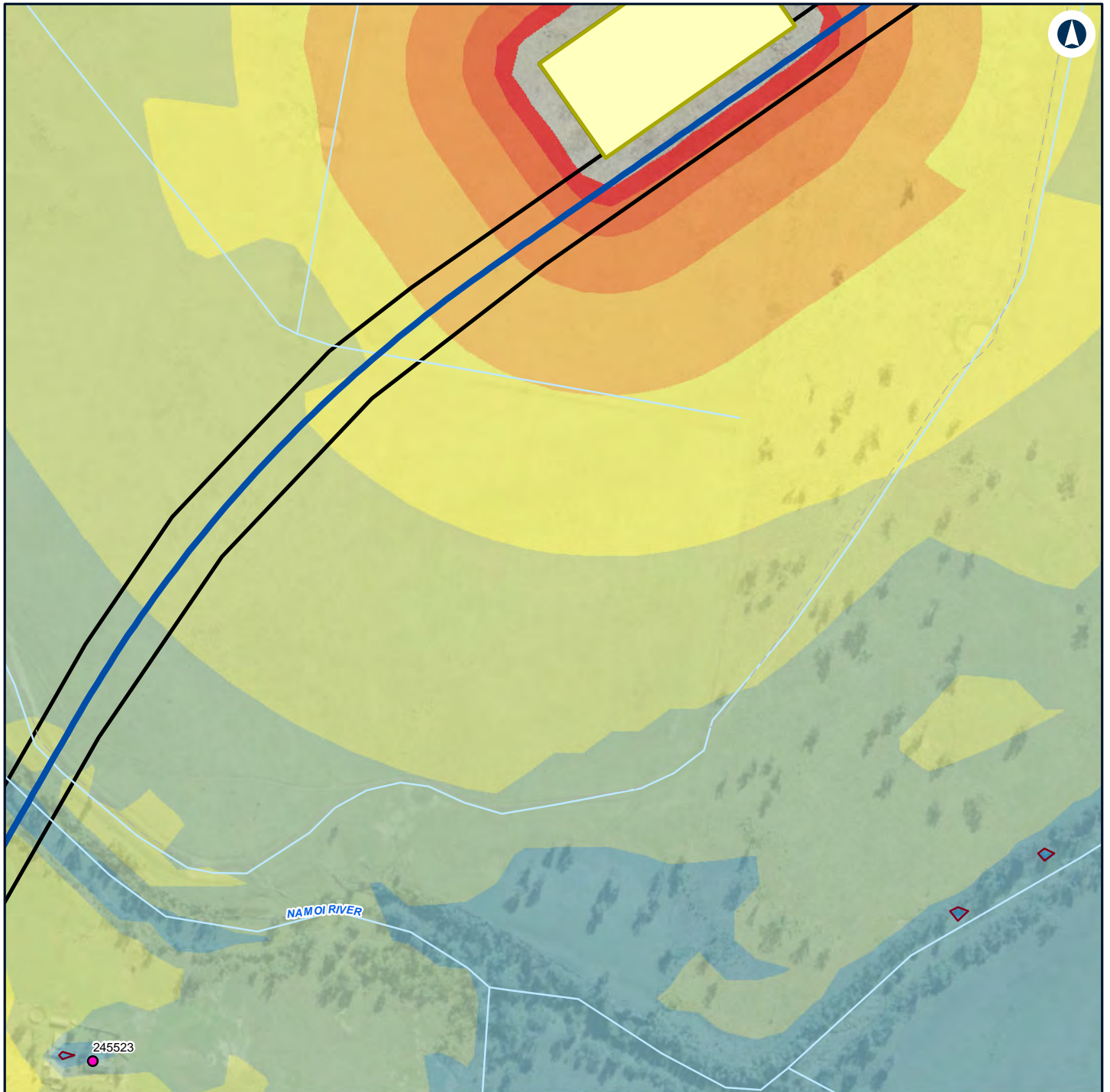
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

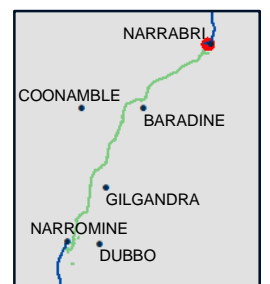
- Construction footprint
- Minor Compound
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- | | |
|---|--|
| <ul style="list-style-type: none"> 30 - 35 35 - 40 | <ul style="list-style-type: none"> 40 - 45 45 - 50 50 - 55 55 - 60 60 - 65 65 - 70 70 - 75 |
|---|--|



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 230 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 16/07/2020

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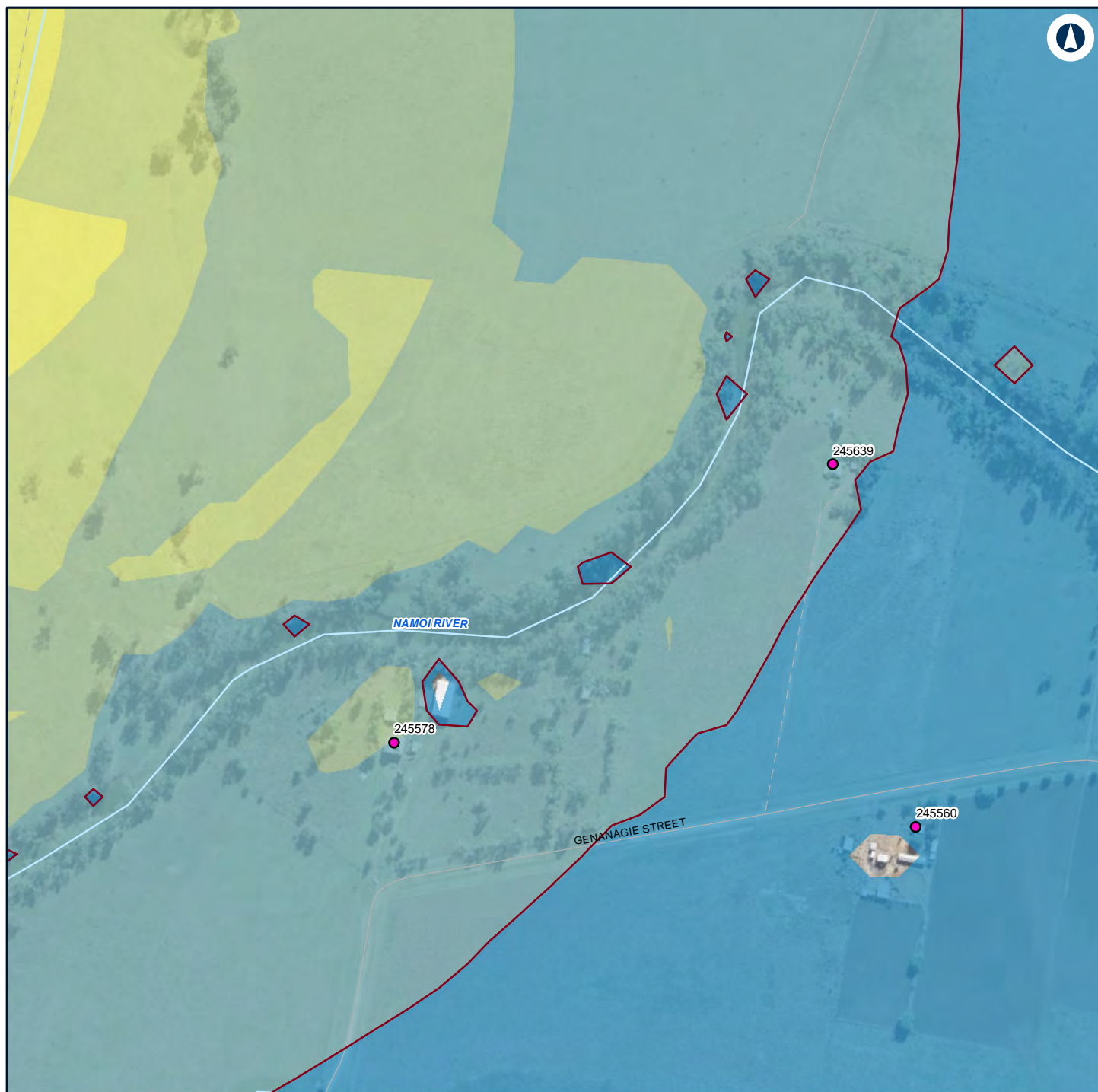
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC) in partnership with the private sector.



Legend

— Night-time noise management level 50 - 55

Structure type

● Residential

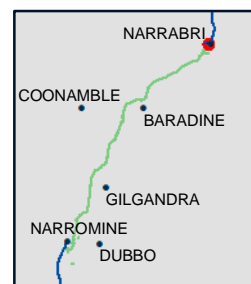
Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Author: GHD

Scale: 1:5,000

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Legend

— Night-time noise management level

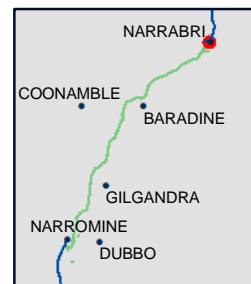
Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 232 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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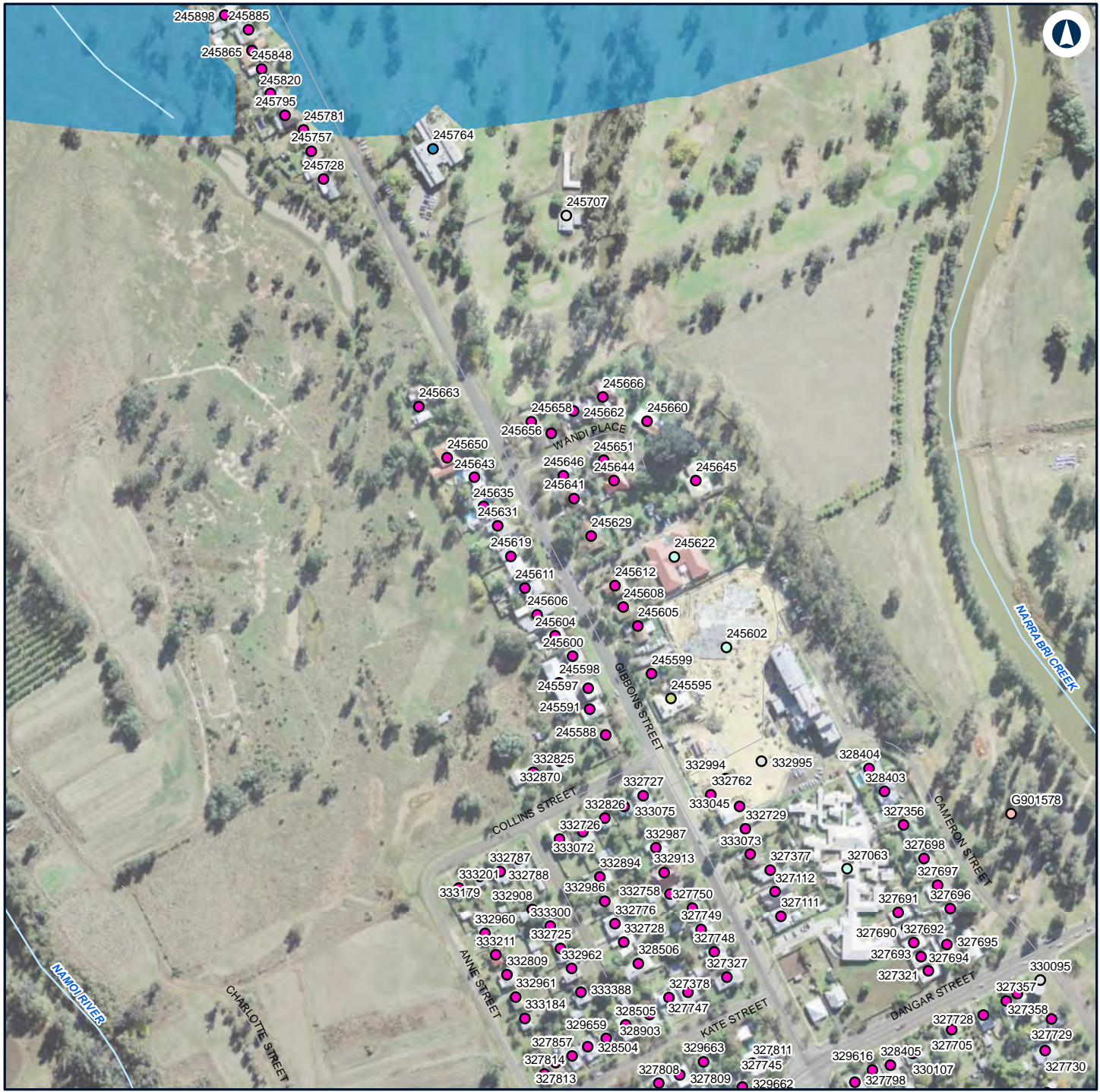
Author: GHD

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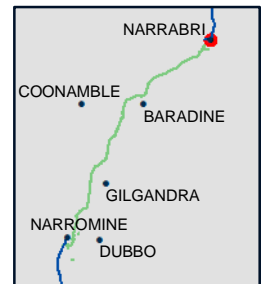
Legend

Structure type

- Active recreation
- Child care facility
- Commercial/Industrial
- Health
- Passive recreation
- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 233 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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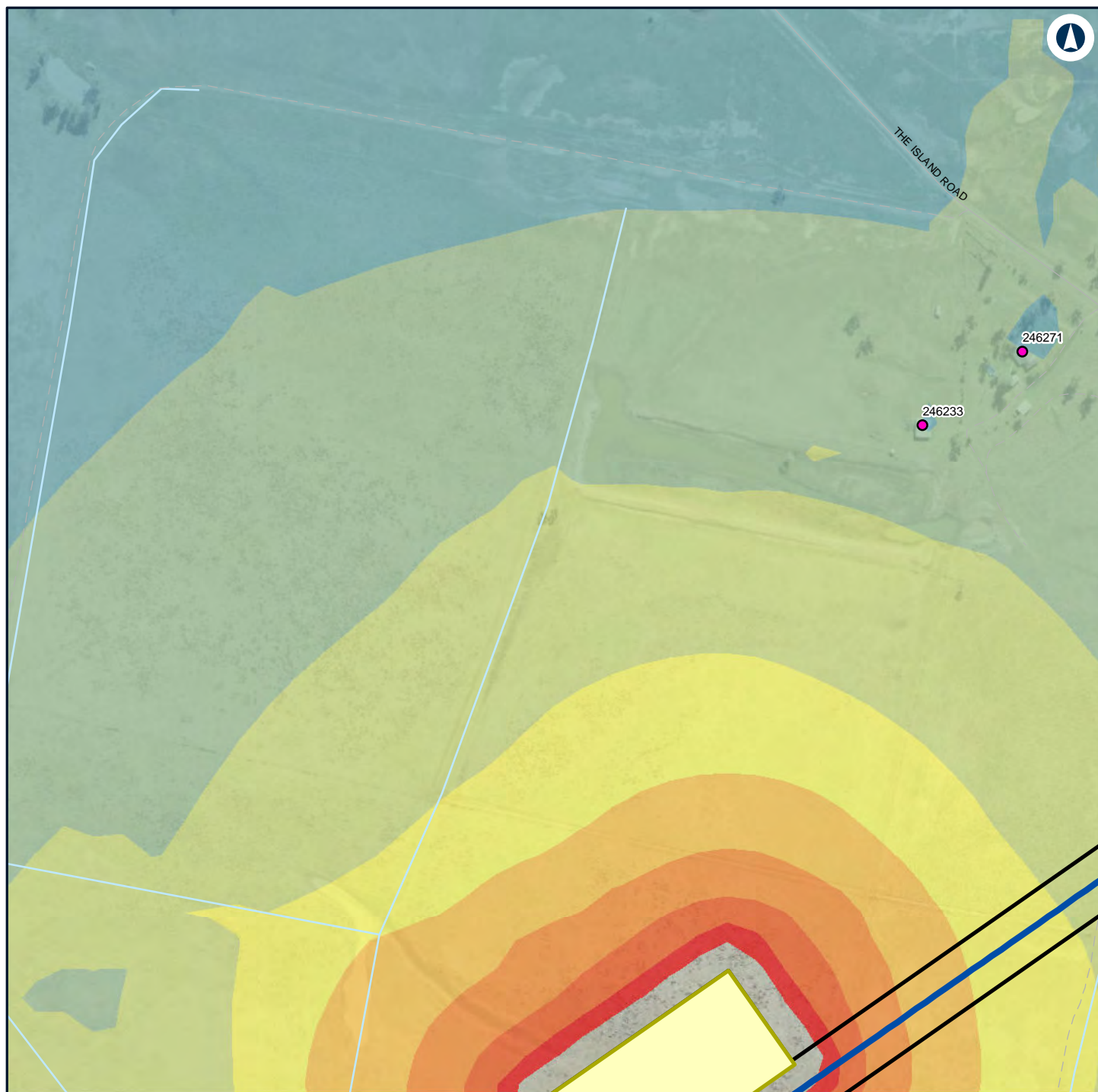
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

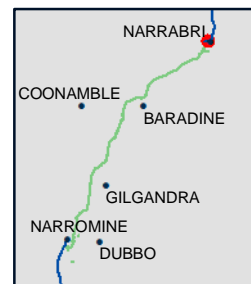
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Legend

Construction footprint	50 - 55
Minor Compound	55 - 60
Structure type	60 - 65
Residential	65 - 70
Noise level (dBA L_{Aeq} 15 minute)	70 - 75
35 - 40	
40 - 45	
45 - 50	



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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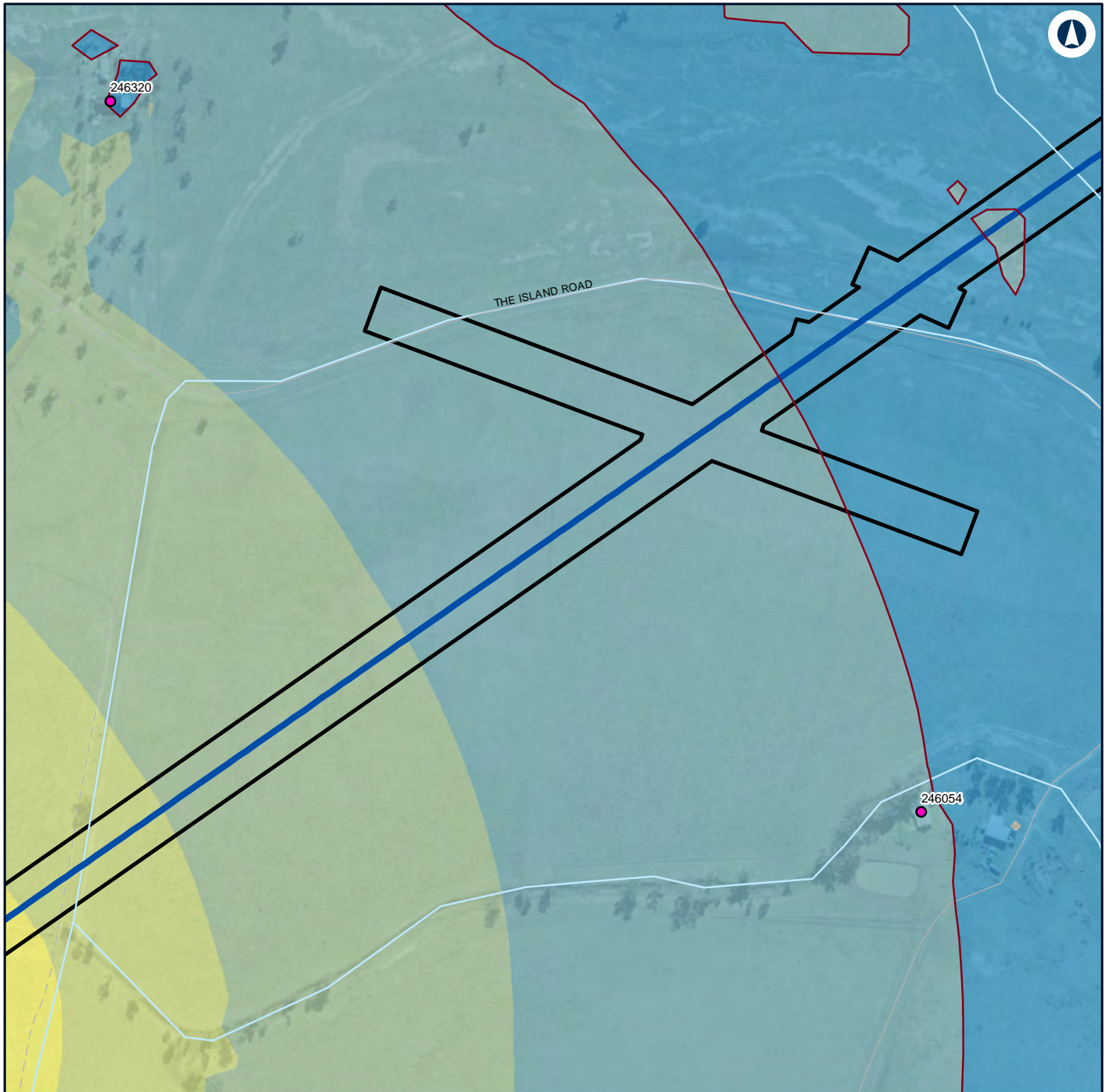
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Night-time noise management level
- 45 - 50
- 50 - 55

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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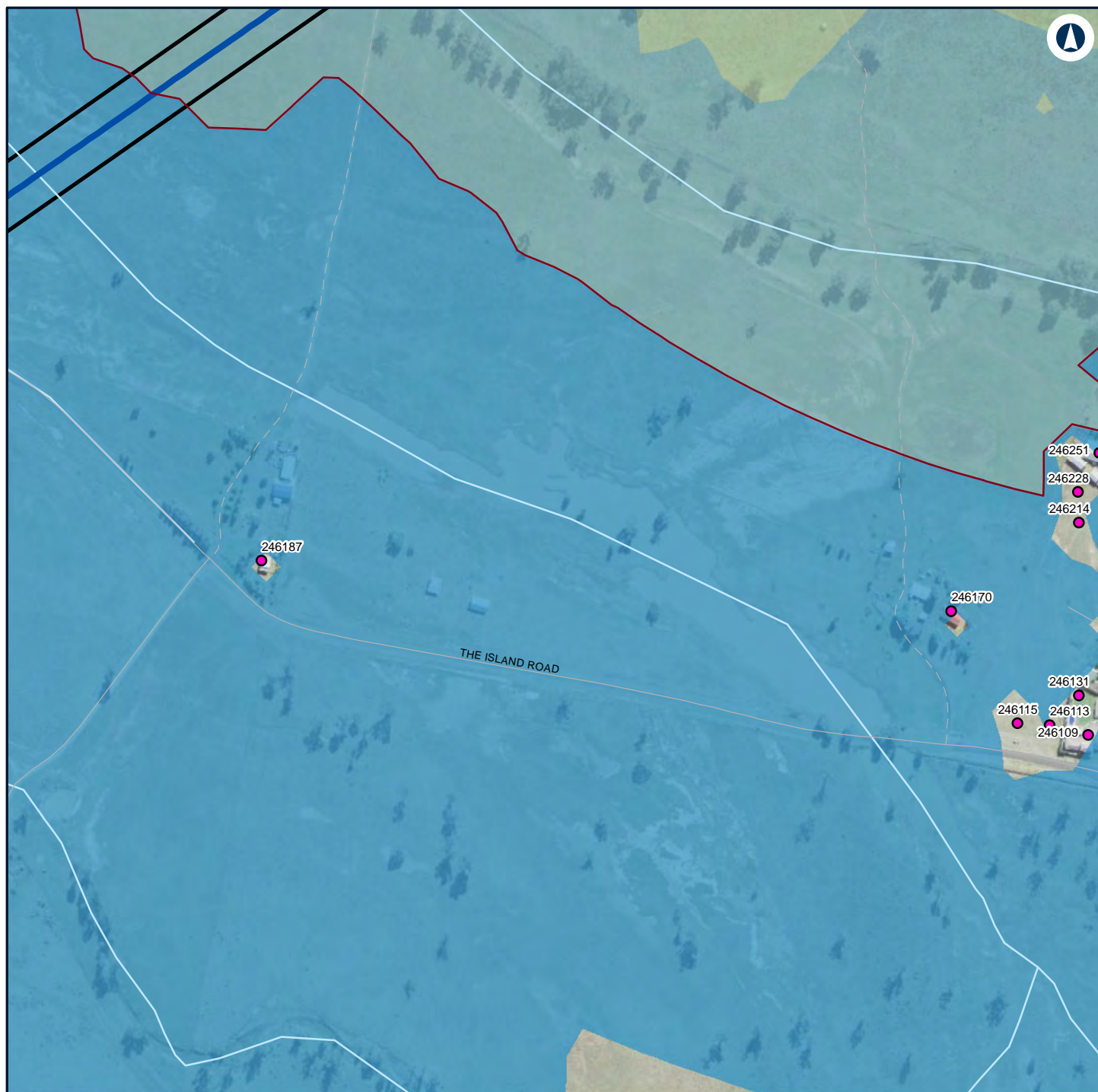
Author: GHD

Scale: 1:5,000

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Legend

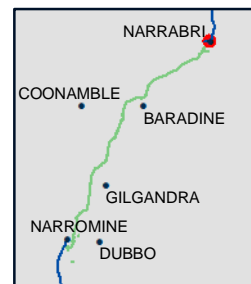
- Construction footprint
- Night-time noise management level

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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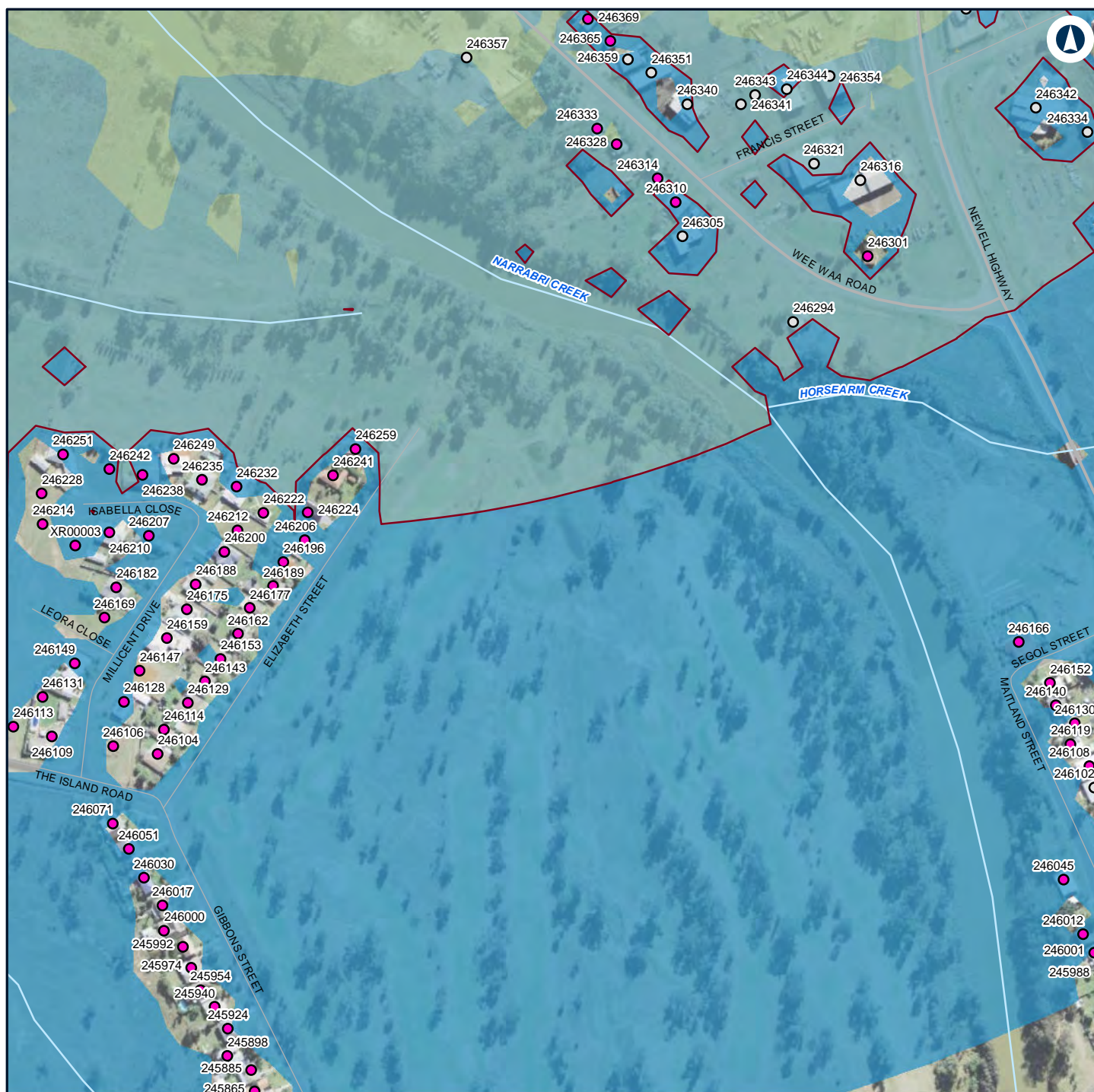
Author: GHD

Scale: 1:5,000

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Legend

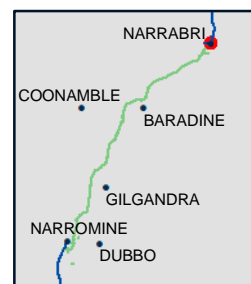
— Night-time noise management level

Structure type

- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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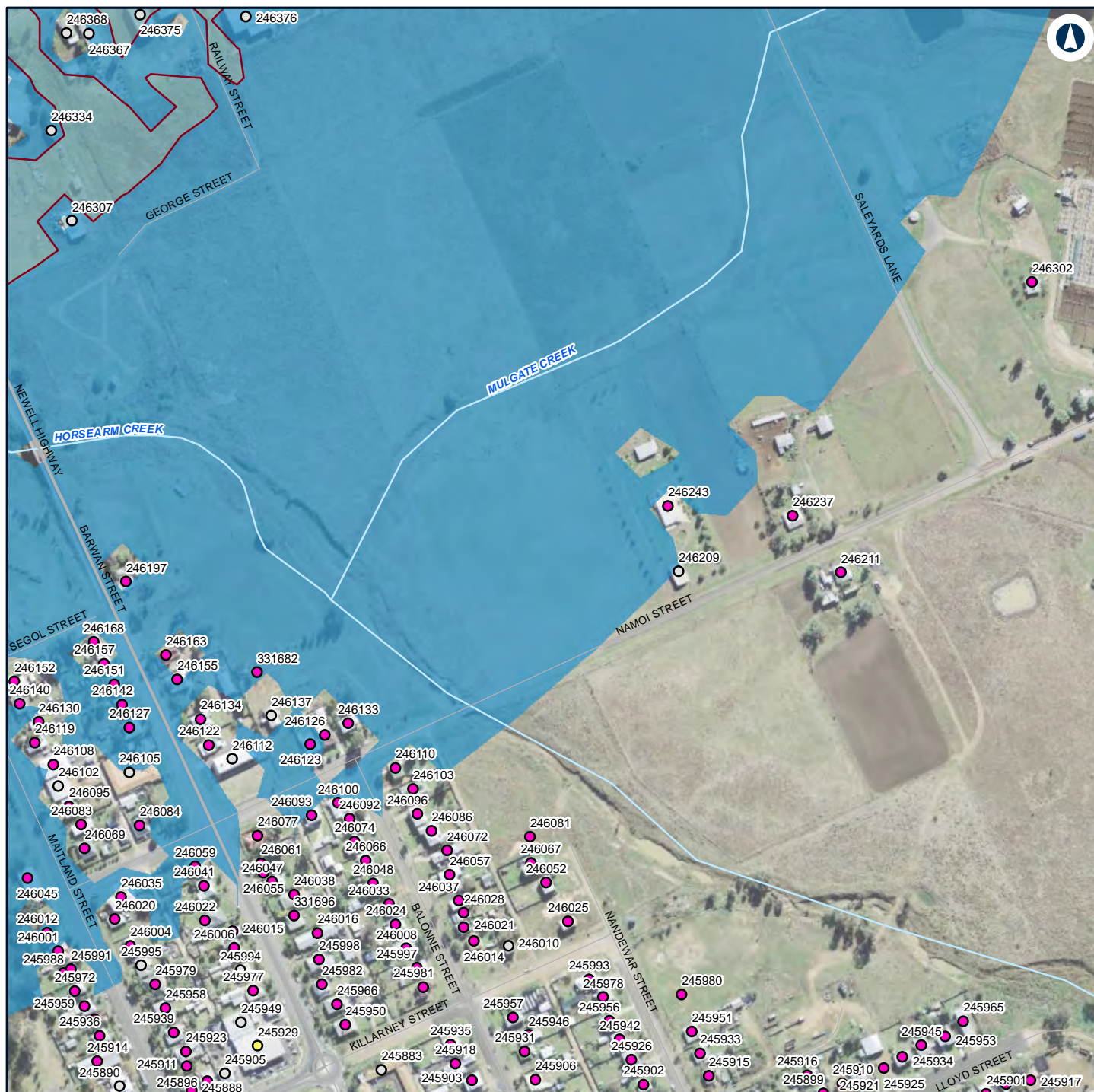
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

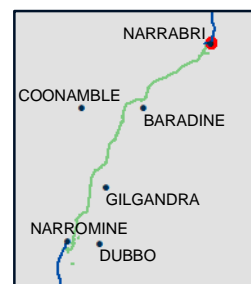
— Night-time noise management level

Structure type

- Commercial/Industrial
- Community
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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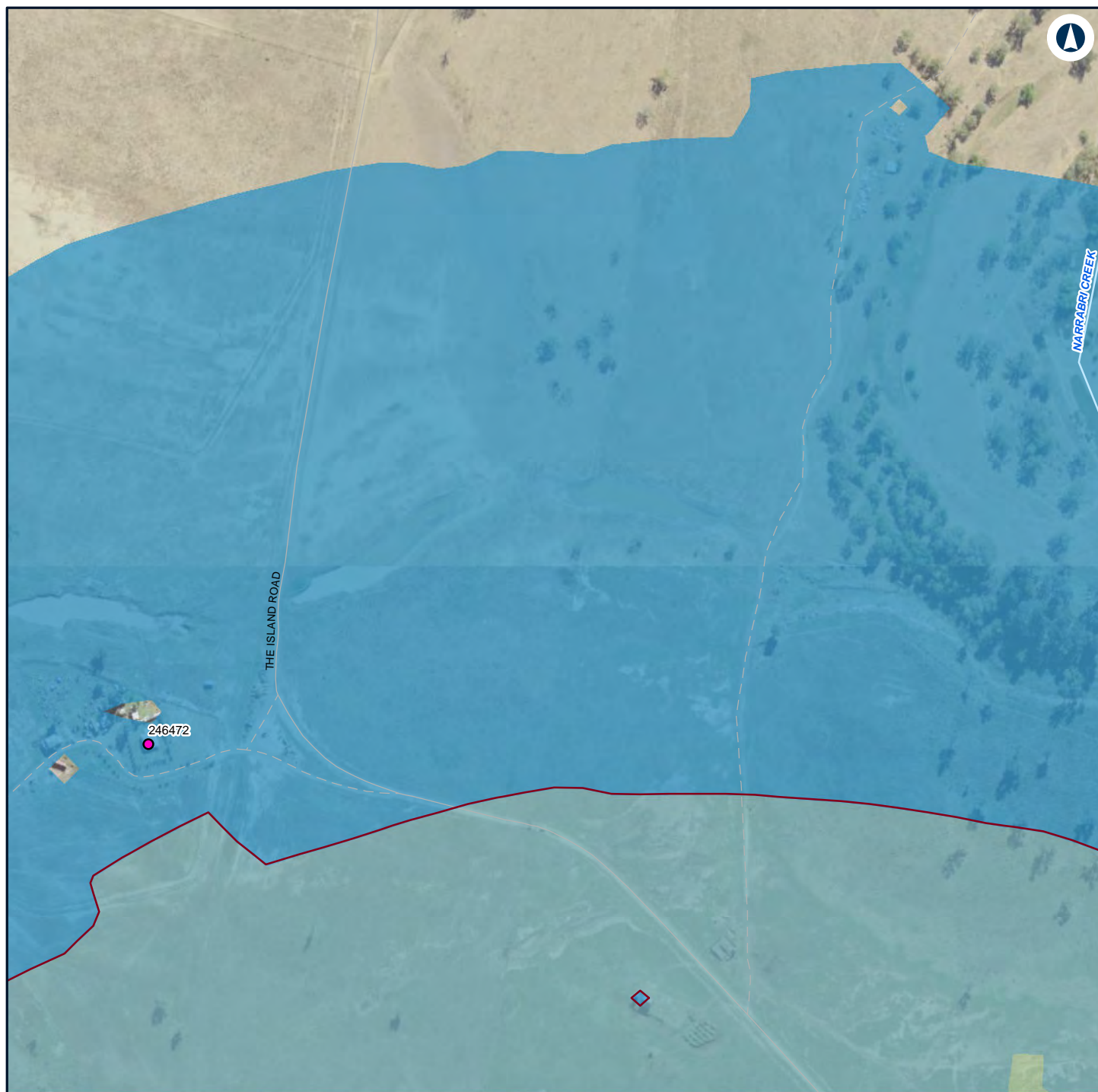
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

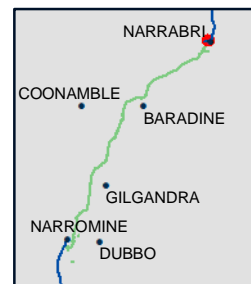
● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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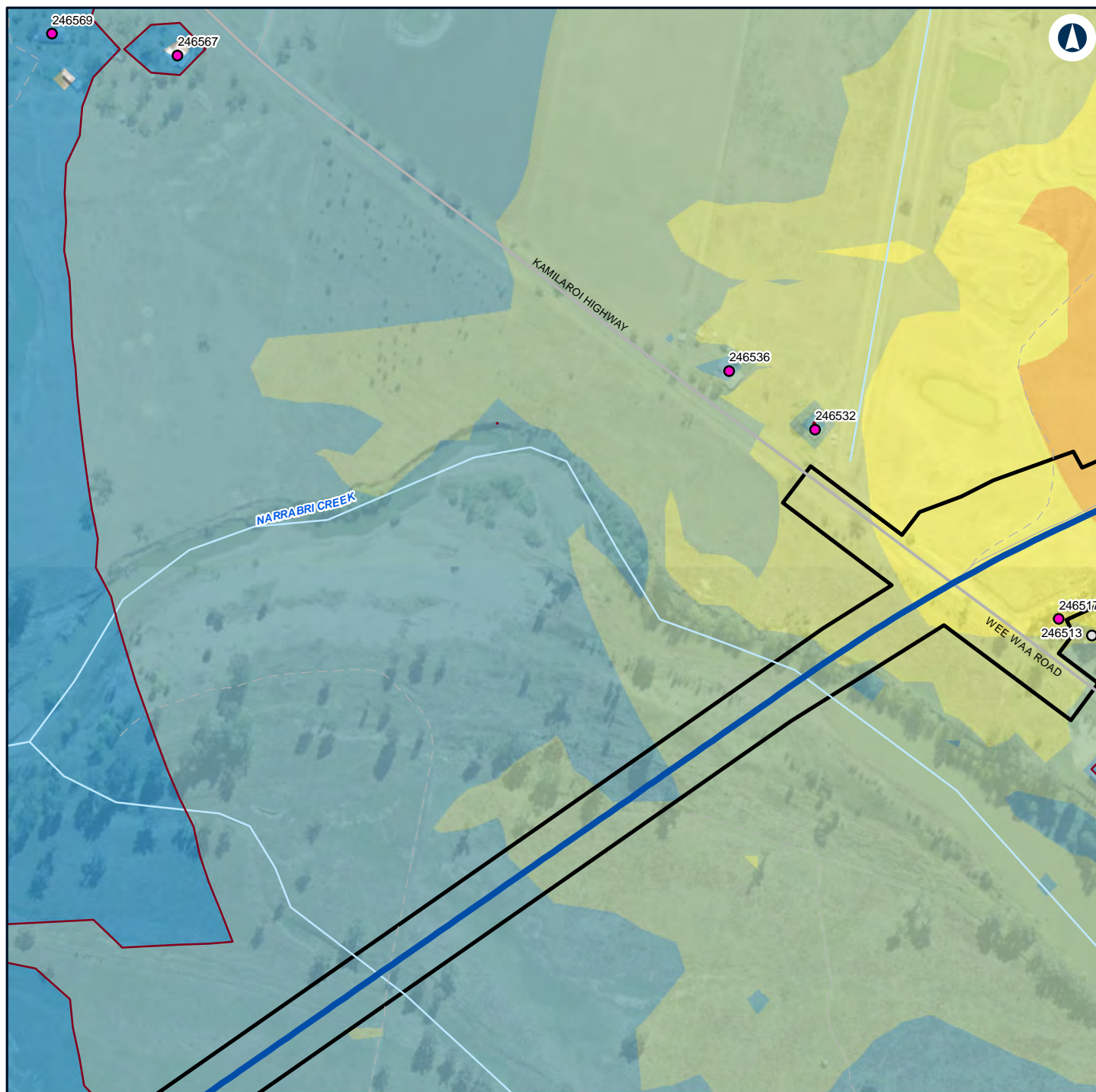
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- Night-time noise management level

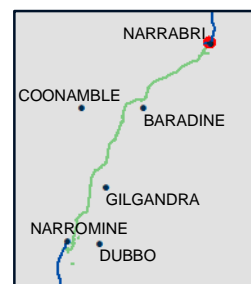
Structure type

- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40

- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 240 of 249

0 0.1 0.2
Km

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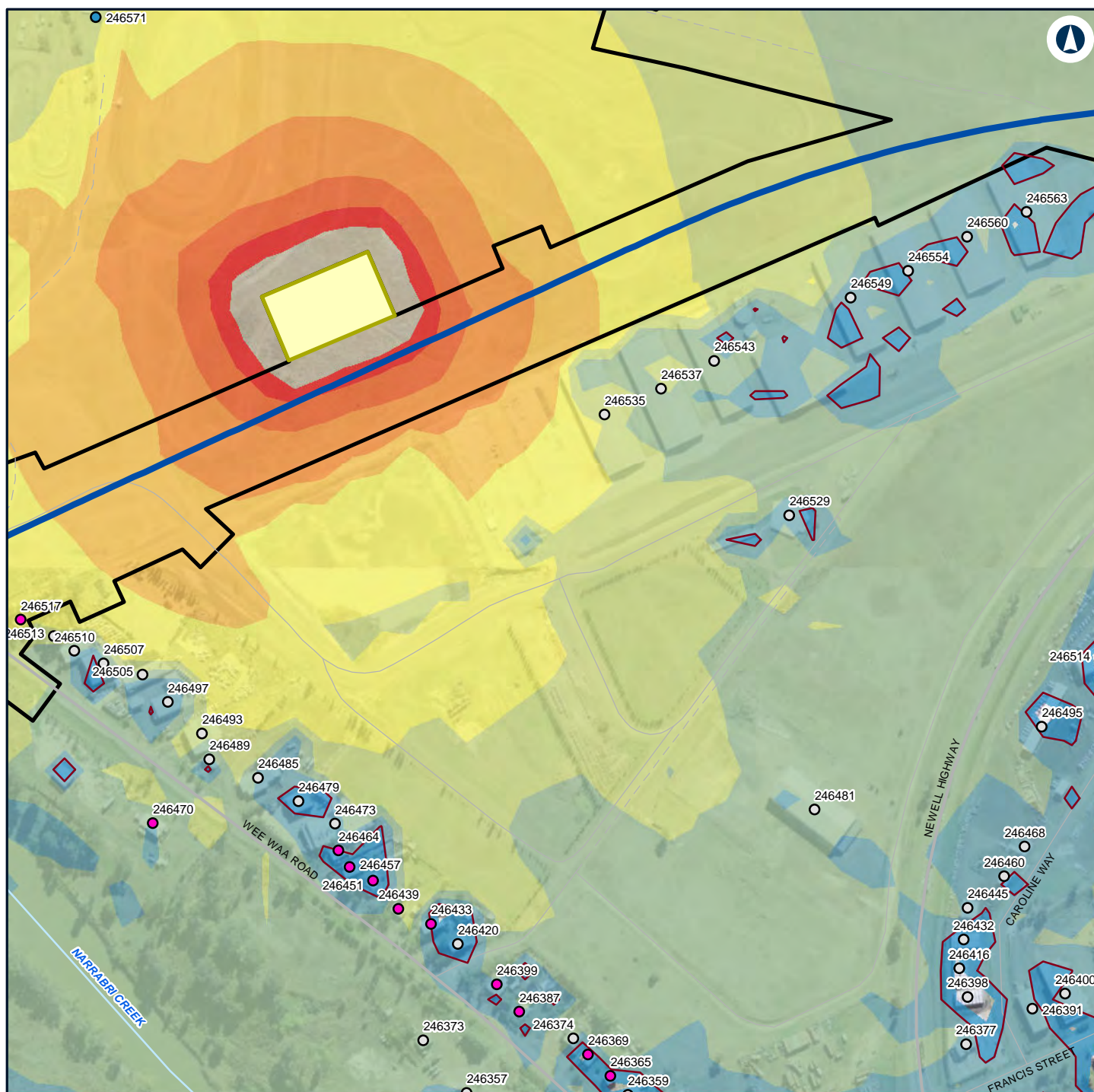
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Legend

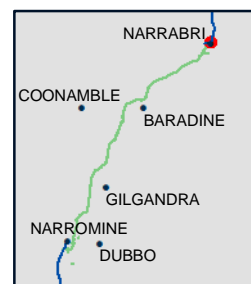
- Construction footprint
- Minor Compound
- Night-time noise management level

Structure type

- Active recreation
- Commercial/Industrial
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- | | |
|--|--|
| 30 - 35 | 65 - 70 |
| 35 - 40 | 70 - 75 |
| 40 - 45 | |
| 45 - 50 | |
| 50 - 55 | |
| 55 - 60 | |
| 60 - 65 | |



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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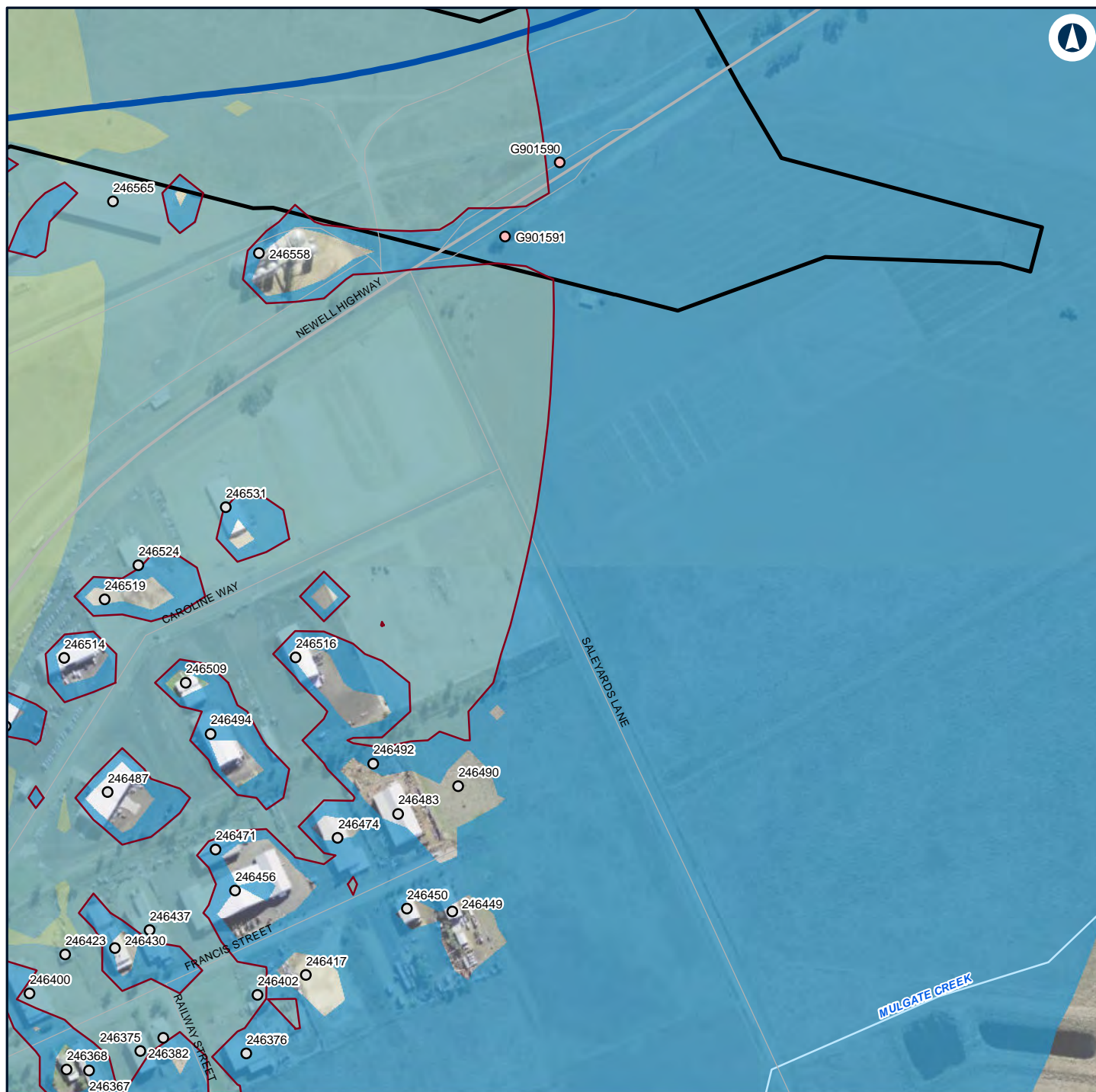
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Legend

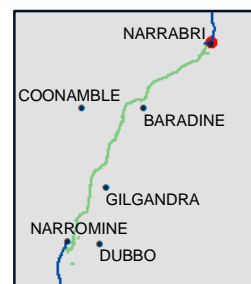
- Construction footprint
- Night-time noise management level

Structure type

- Commercial/Industrial
- Passive recreation

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

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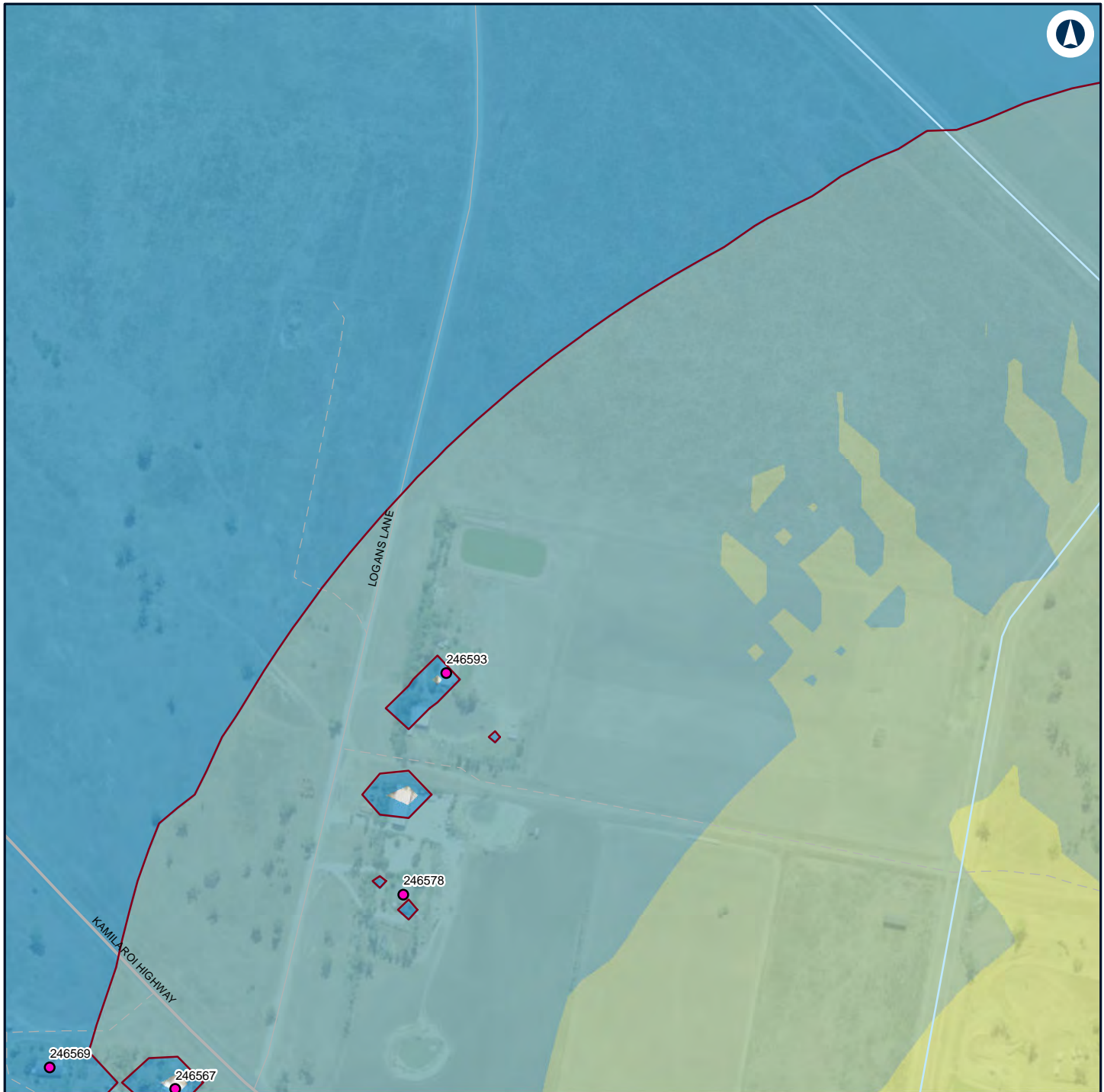
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

— Night-time noise management level

Structure type

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 243 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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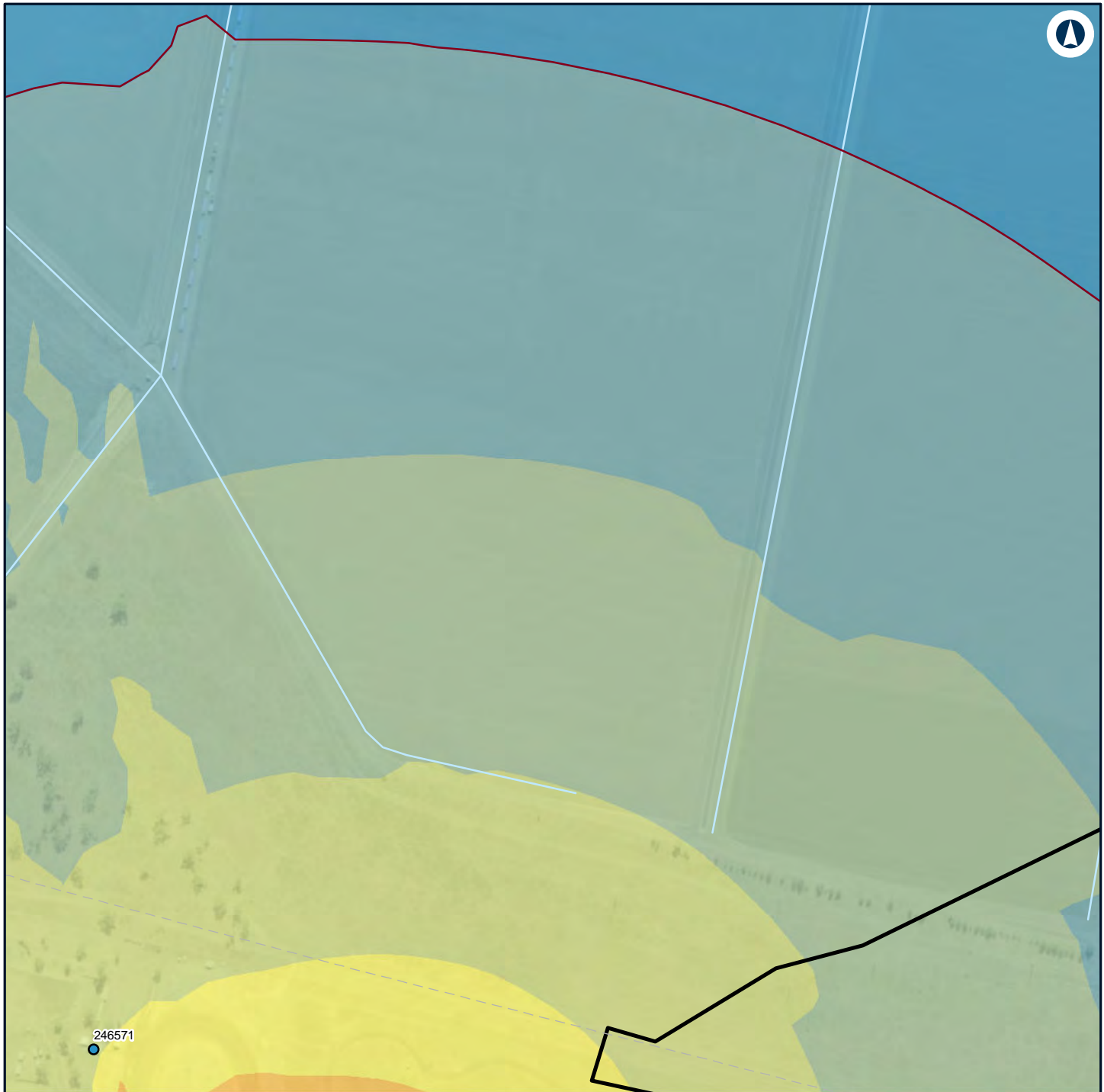
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

Construction footprint

Night-time noise management level

Structure type

Active recreation

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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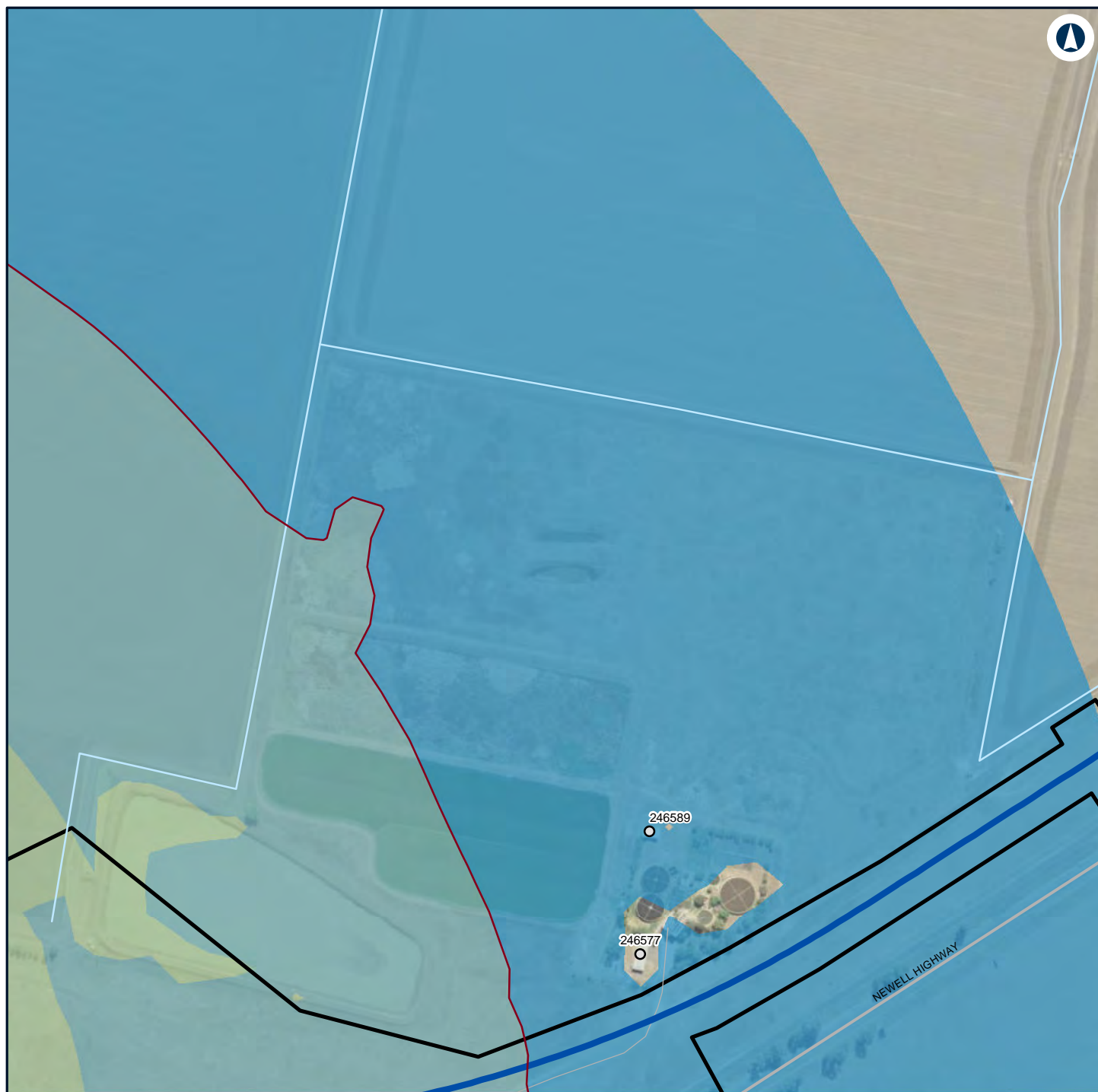
Author: GHD

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Legend

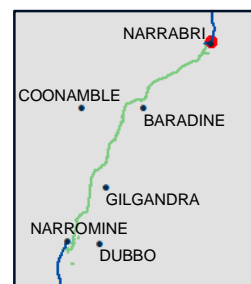
- Construction footprint
- Night-time noise management level

Structure type

- Commercial/Industrial

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Legend

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35



NARROMINE TO NARRABRI
Construction noise contours, Construction Infrastructure (combined)

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00.10.2

Km

Coordinate System: GDA 1994 MGA Zone 55

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Author: GHD

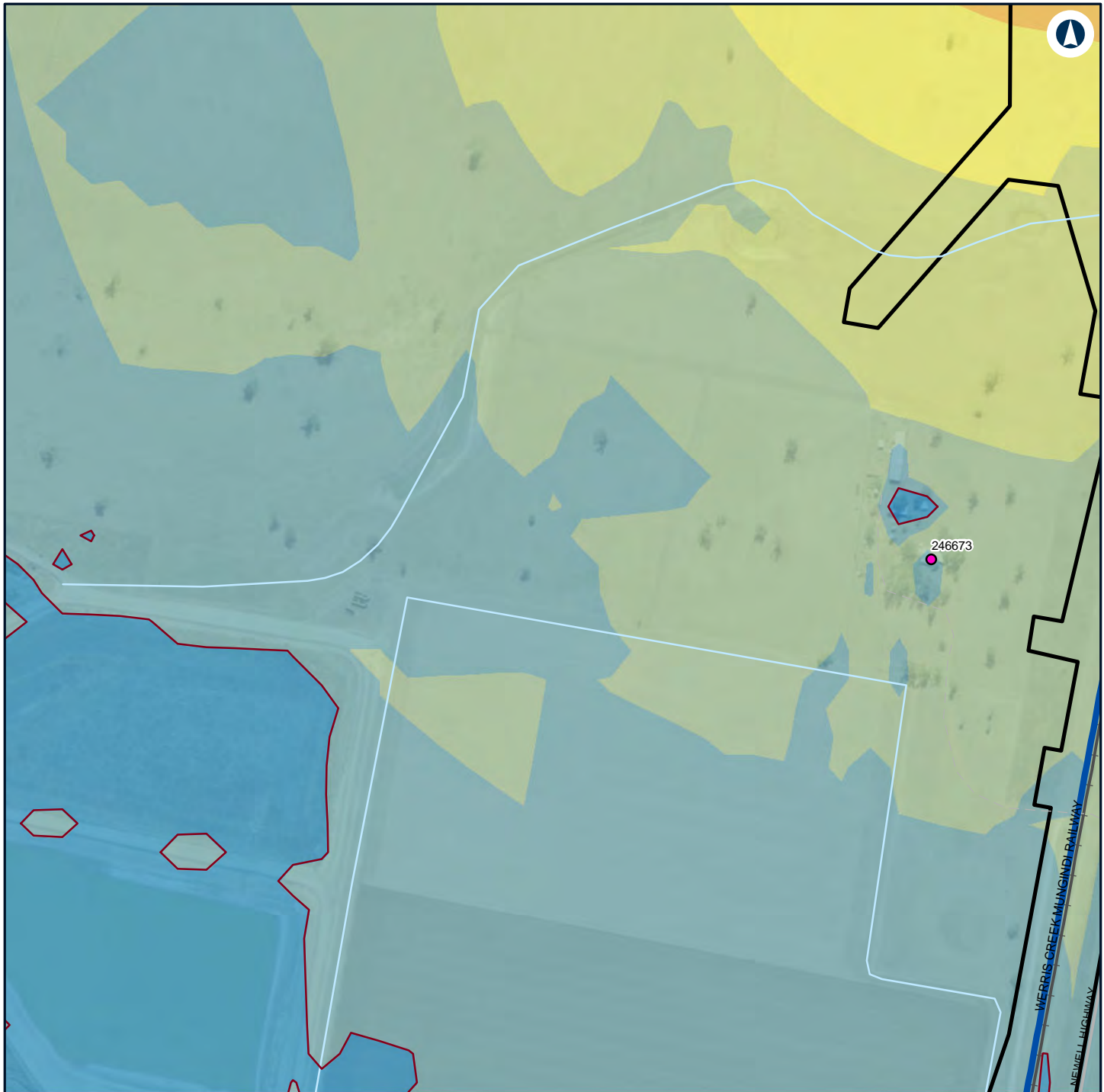
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INLAND RAIL

ARTC

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Legend

- Construction footprint
- Night-time noise management level
- 45 - 50
- 50 - 55
- 55 - 60

Structure type

- Residential

Noise level (dBA L_{Aeq} 15 minute)

- 30 - 35
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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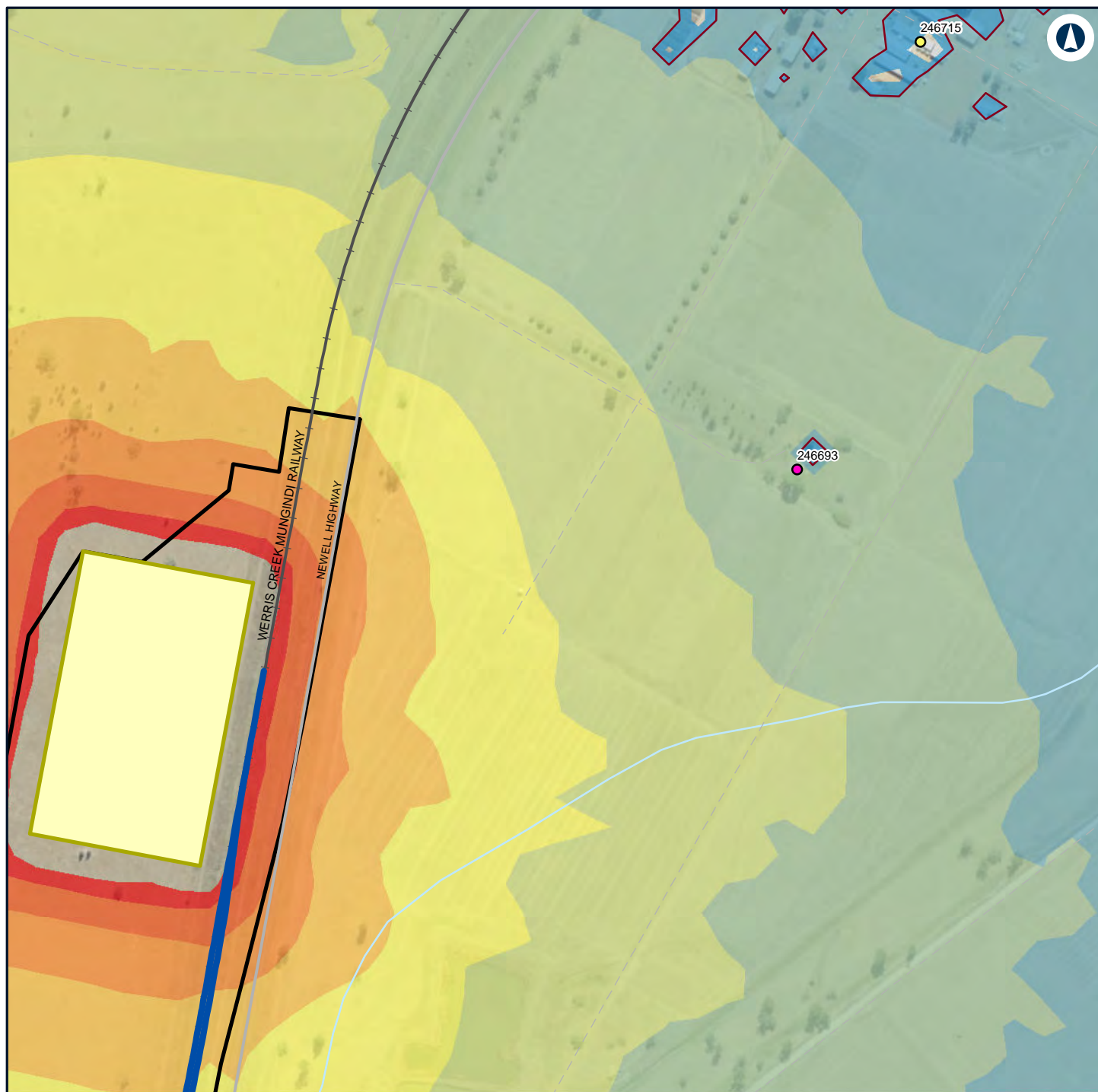
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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Legend

- Construction footprint
- General Compound
- Night-time noise management level

Structure type

- Community
- Residential

Noise level (dBA L_{Aeq} 15 minute)

- | | |
|---|---|
| 30 - 35 | 35 - 40 |
| 40 - 45 | 45 - 50 |
| 50 - 55 | 55 - 60 |
| 60 - 65 | 65 - 70 |
| 70 - 75 | |



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

Appendix H - Page 248 of 249

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 16/07/2020

Paper: A4

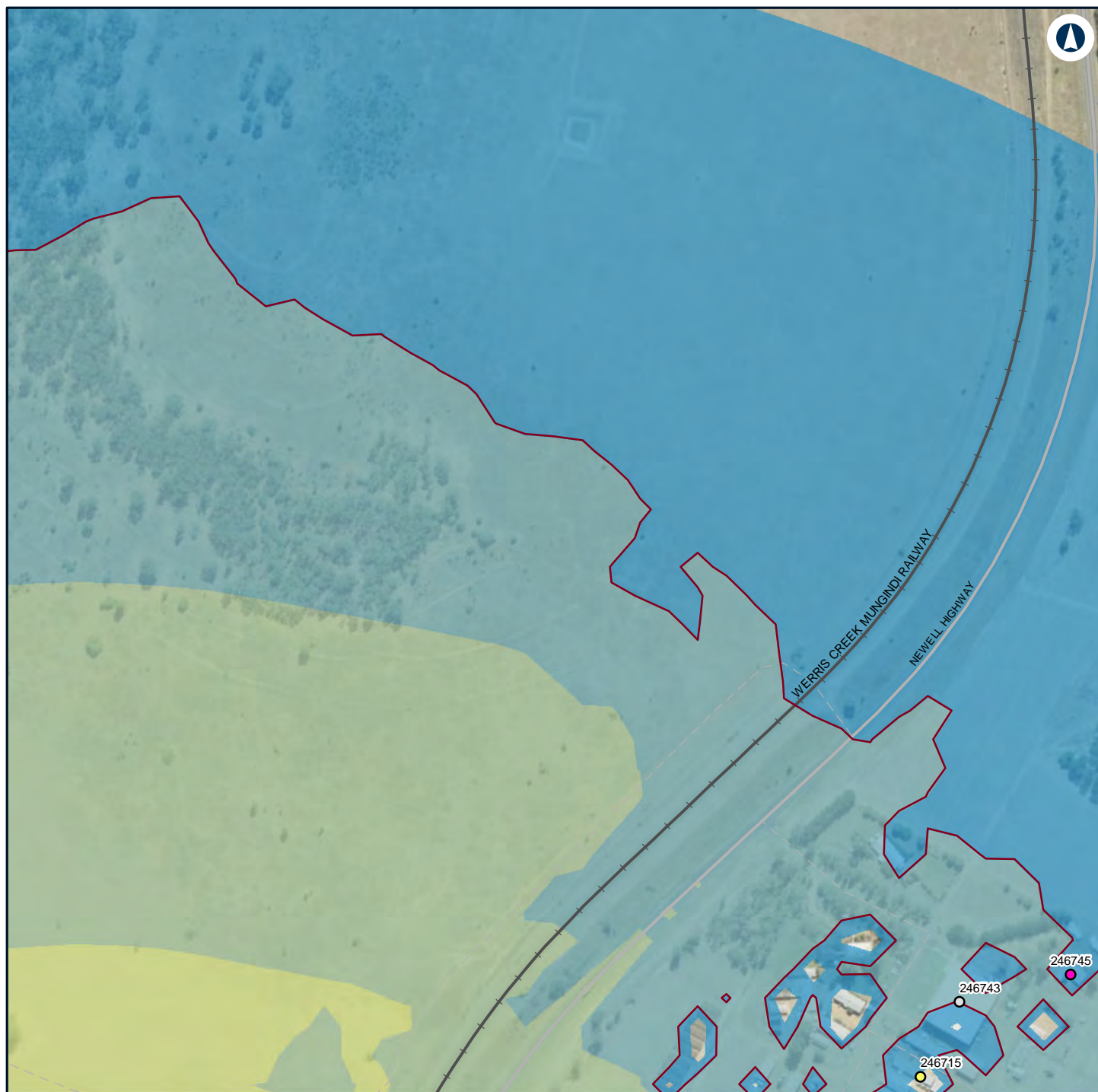
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

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Legend

— Night-time noise management level

Structure type

○ Commercial/Industrial

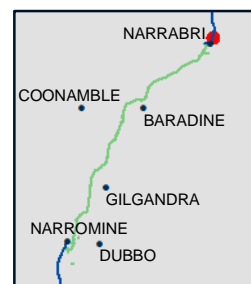
● Community

● Residential

Noise level (dBA L_{Aeq} 15 minute)

30 - 35

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Construction Infrastructure (combined)

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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