

Submissions Report

Appendix H - Part 2



North Star to NSW/Queensland Border

Environmental Impact Statement

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\1010607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionNoiseContours_FF\JVA3L_rev2.mxd Date: 1/15/2021 11:13



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

L_{Aeq} dB(A)

- 35
- 40
- 45
- 50

- 55
- 60
- 65
- 70
- 75

NCA3

Sensitive receivers

- Residential
- Shed



A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 30/10/2019 Version: 1
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction noise contours - Utility relocations (Map 8 of 19)

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\101007_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionNoiseContours_FF\JVA3L_rev2.mxd Date: 1/15/2021 11:13



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

L_{Aeq} , dB(A)

- 35
- 40
- 45
- 50

- 55
- 60
- 65
- 70
- 75

□ NCAs



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 30/10/2019 Version: 1
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction noise contours - Utility relocations (Map 9 of 19)

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\10110007_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionNoiseContours_FF\JVA3L_rev2.mxd Date: 1/15/2021 11:13



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{Aeq} , dB(A)

- 35
- 40
- 45
- 50

- 55
- 60
- 65
- 70
- 75

NCA3



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4km



Issue date: 30/10/2019 Version: 1
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction noise contours - Utility relocations (Map 10 of 19)

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\10110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionNoiseContours_FF\JVA31_rev2.mxd Date: 1/15/2021 11:13



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{Aeq} , dB(A)

- 35
- 40
- 45
- 50

- 55
- 60
- 65
- 70
- 75

NCA3



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 30/10/2019 Version: 1
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction noise contours - Utility relocations (Map 11 of 19)

Map by: RB 2:GIS\GIS_270_NS2B\Tasks\270-EAP-2019\10110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionNoiseContours_FF\JVA3L_rev2.mxd Date: 1/15/2021 11:13



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{Aeq} , dB(A)

- 35
- 40
- 45
- 50

- 55
- 60
- 65
- 70
- 75

NCA3



A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 30/10/2019 Version: 1
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction noise contours - Utility relocations (Map 12 of 19)

Map by: RB 2:GIS\GIS_270_NS2BTasks\270-EAP-2019\10110007_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionNoiseContours_FF\VA3L_rev2.mxd Date: 1/15/2021 11:13



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

L_{Aeq} , dB(A)

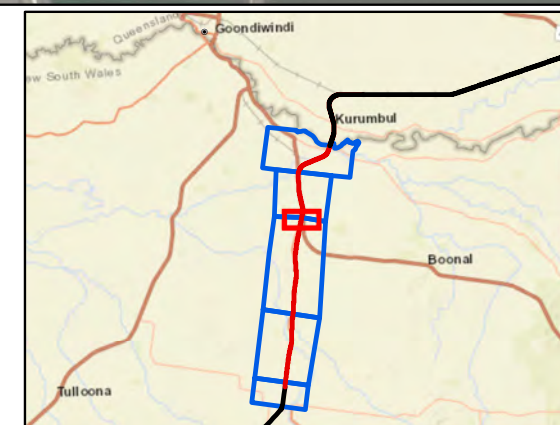
- 35
- 40
- 45
- 50

- 55
- 60
- 65
- 70
- 75

NCA3

Sensitive receivers

- Residential



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 30/10/2019 Version: 1
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction noise contours - Utility relocations (Map 13 of 19)

Map by: RB 2:GIS\GIS_270_NS2BTasks\270-EAP-2019\10110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionNoiseContours_FF\JVA3L_rev2.mxd Date: 1/15/2021 11:13



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{Aeq} , dB(A)

- 35
- 40
- 45
- 50

- 55
- 60
- 65
- 70
- 75

□ NCAs

Sensitive receivers

- Residential
- Shed



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 30/10/2019 Version: 1
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction noise contours - Utility relocations (Map 14 of 19)

Map by: RB 2:GIS\GIS_270_NS2BTasks\270-EAP-2019\10110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionNoiseContours_FF\JVA3L_rev2.mxd Date: 1/15/2021 11:13



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{Aeq} , dB(A)

- 35
- 40
- 45
- 50

- 55
- 60
- 65
- 70
- 75

NCA5

Sensitive receivers

Residential



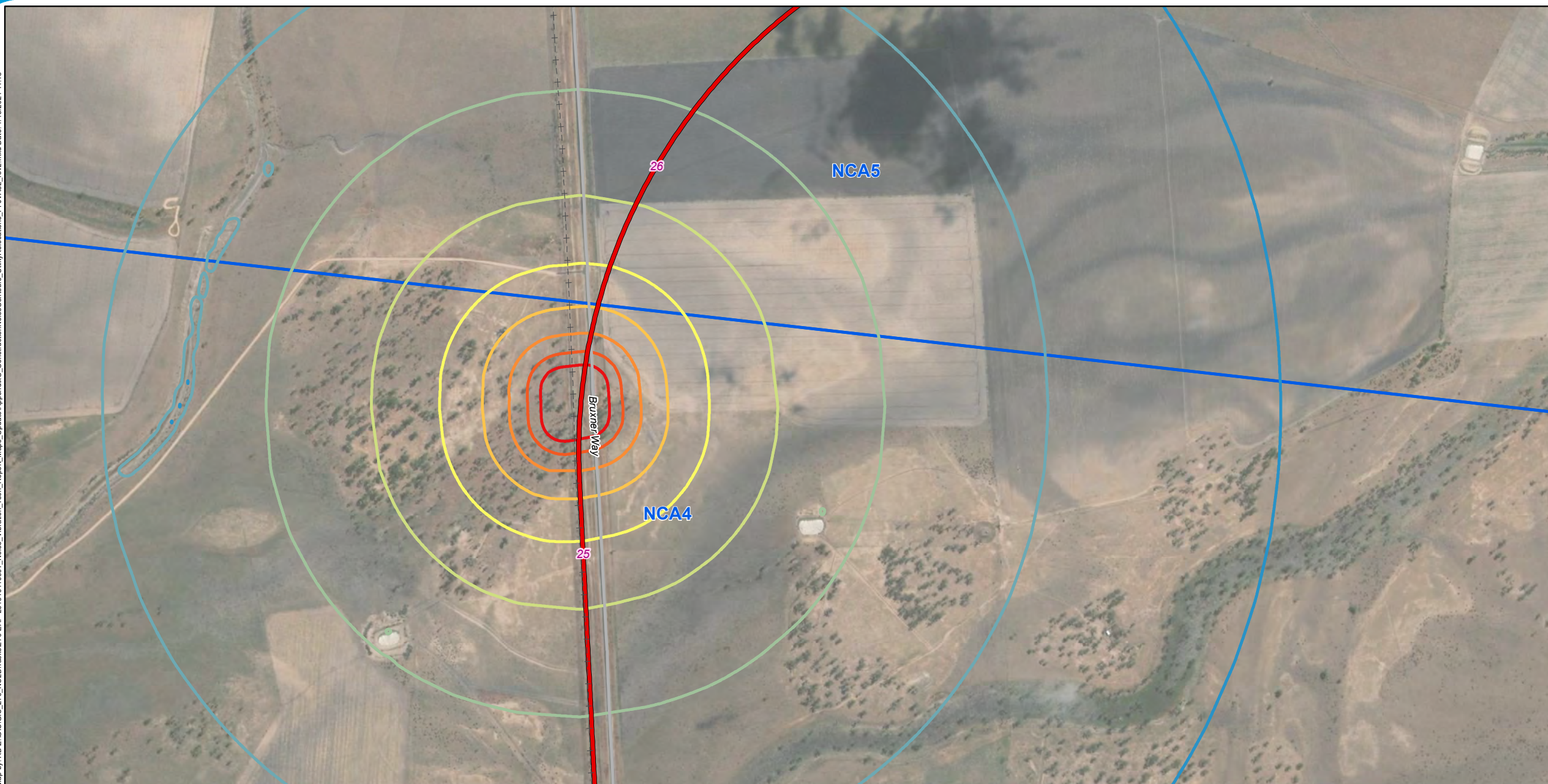
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Issue date: 30/10/2019 Version: 1
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction noise contours - Utility relocations (Map 15 of 19)

Map by: RB 2:GIS\GIS_270_NSW\GIS_270-EAP-2019\11\0607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionNoiseContours_FF\JVA31_rev2.mxd Date: 1/15/2021 11:13



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{Aeq} dB(A)

- 35
- 40
- 45
- 50

- 55
- 60
- 65
- 70
- 75

□ NCAs



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 30/10/2019 Version: 1
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North Star to NSW/QLD border Appendix C: Construction noise contours - Utility relocations (Map 16 of 19)

Map by: RB Z:\GIS\GIS_270\NS2B\Tasks\270-EAP-2019\10110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionNoiseContours_FF\JVA31_rev2.mxd Date: 1/15/2021 11:13



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{Aeq} dB(A)

- 35
- 40
- 45
- 50

- 55
- 60
- 65
- 70
- 75

NCA5



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 30/10/2019 Version: 1
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction noise contours - Utility relocations (Map 17 of 19)

Map by: RB 2:GIS/GIS_270_NSW/QLD tasks/270-EAP-2019/10110607_Noise_Vibration_Tech_Report_Maps_Update/AppendixC_ConstructionNoiseContours_FFJV33L_rev2.mxd Date: 1/15/2021 11:13



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{Aeq} dB(A)

- 35
- 40
- 45
- 50

- 55
- 60
- 65
- 70
- 75

□ NCAs



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 30/10/2019 Version: 1
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction noise contours - Utility relocations (Map 18 of 19)

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\1010007_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionNoiseContours_FF\JVA3L_rev2.mxd Date: 1/15/2021 11:13



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- Adjoining alignments
- Major roads
- NSW/QLD border

Sound Pressure Level

L_{Aeq} dB(A)

- 35
- 40
- 45
- 50

- 55
- 60
- 65
- 70
- 75

NCA5

Sensitive receivers

- Industrial
- Residential

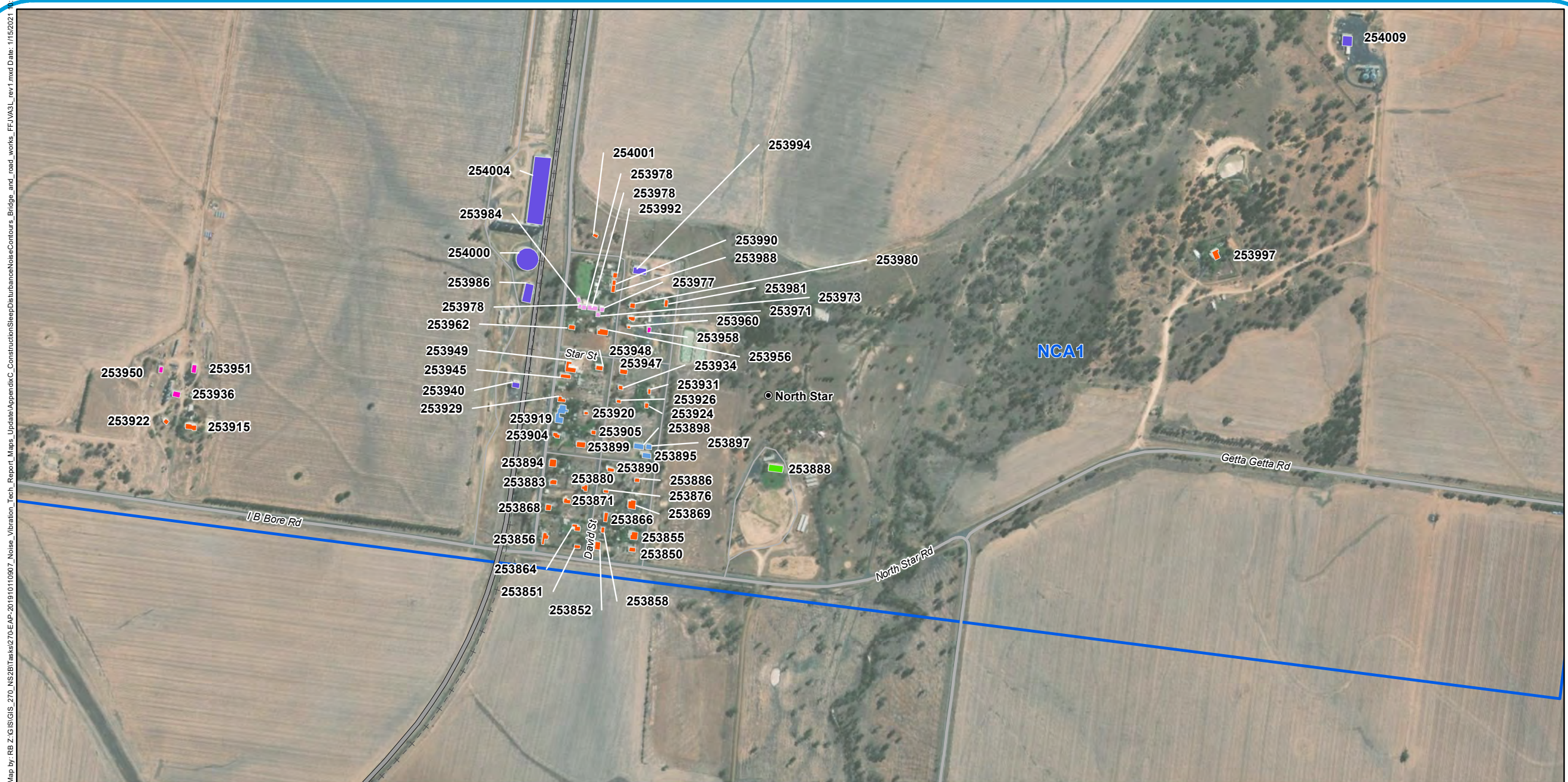


A3 scale: 1:10,500
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Issue date: 30/10/2019 Version: 1
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction noise contours - Utility relocations (Map 19 of 19)



Legend

- 5 Chainage (km)
- Localities
- - - Existing rail (non-operational)
- Adjoining alignments
- Major roads
- Minor roads

Sound Pressure Level

$L_{A1, 1min, dB(A)}$

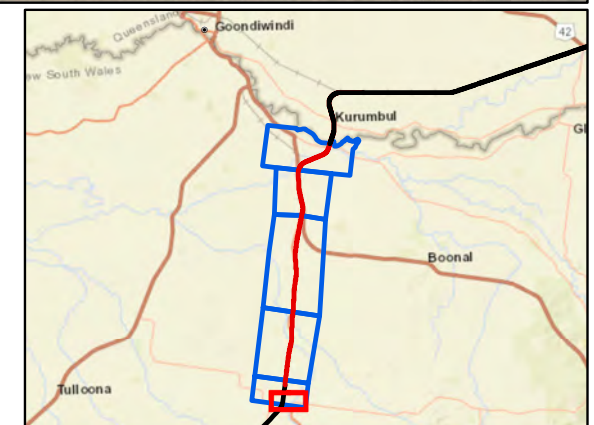
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA1

Sensitive receivers

- Active Recreation
- Commercial
- Industrial
- Residential
- School
- Shed



A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Appendix C: Construction sleep disturbance noise contours -
Bridge works and road works (Map 1 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Adjoining alignments
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA's

Sensitive receivers

- Industrial

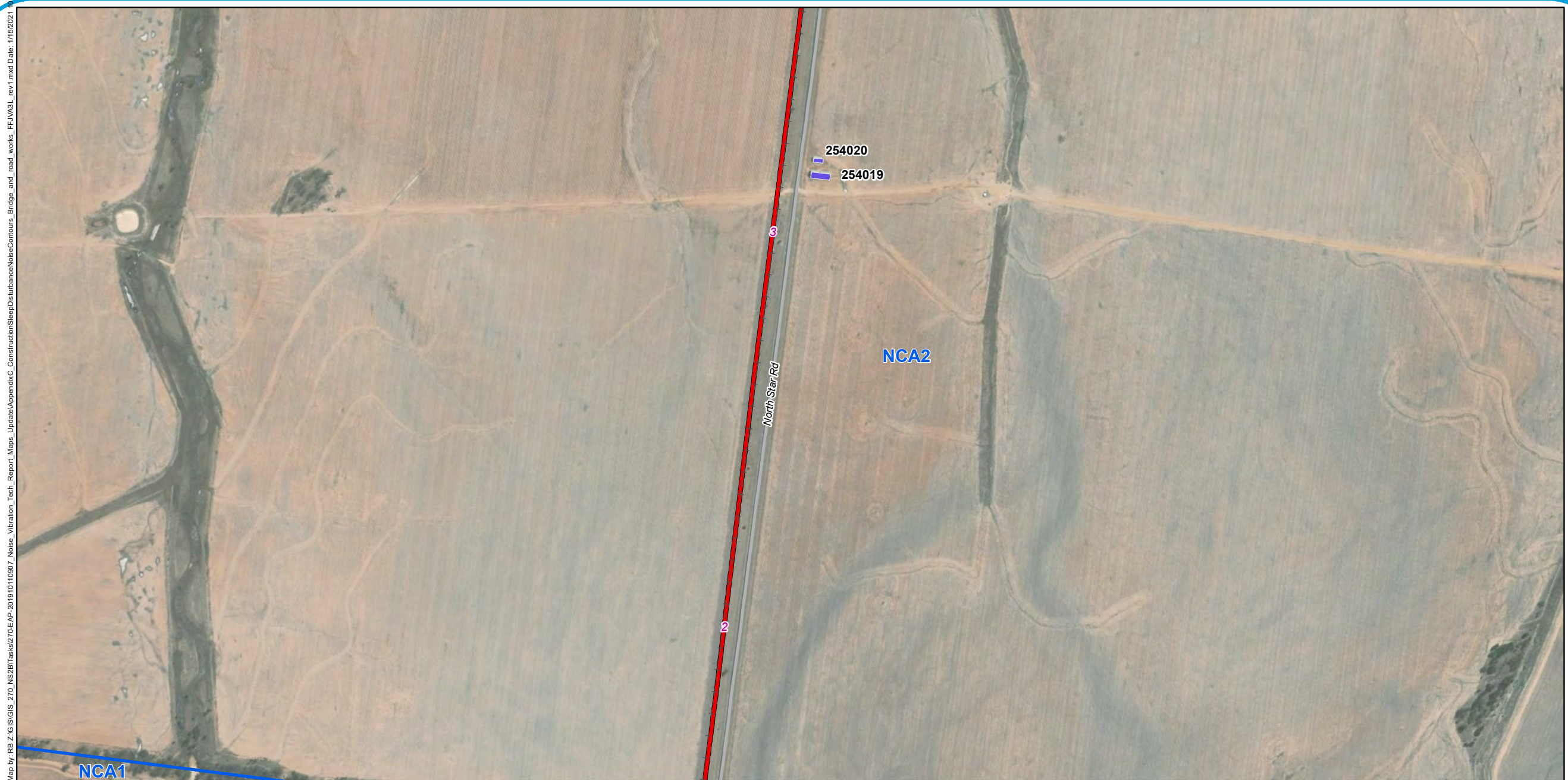


A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Appendix C: Construction sleep disturbance noise contours -
Bridge works and road works (Map 2 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1} , 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA's

Sensitive receivers

- Industrial



A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4km

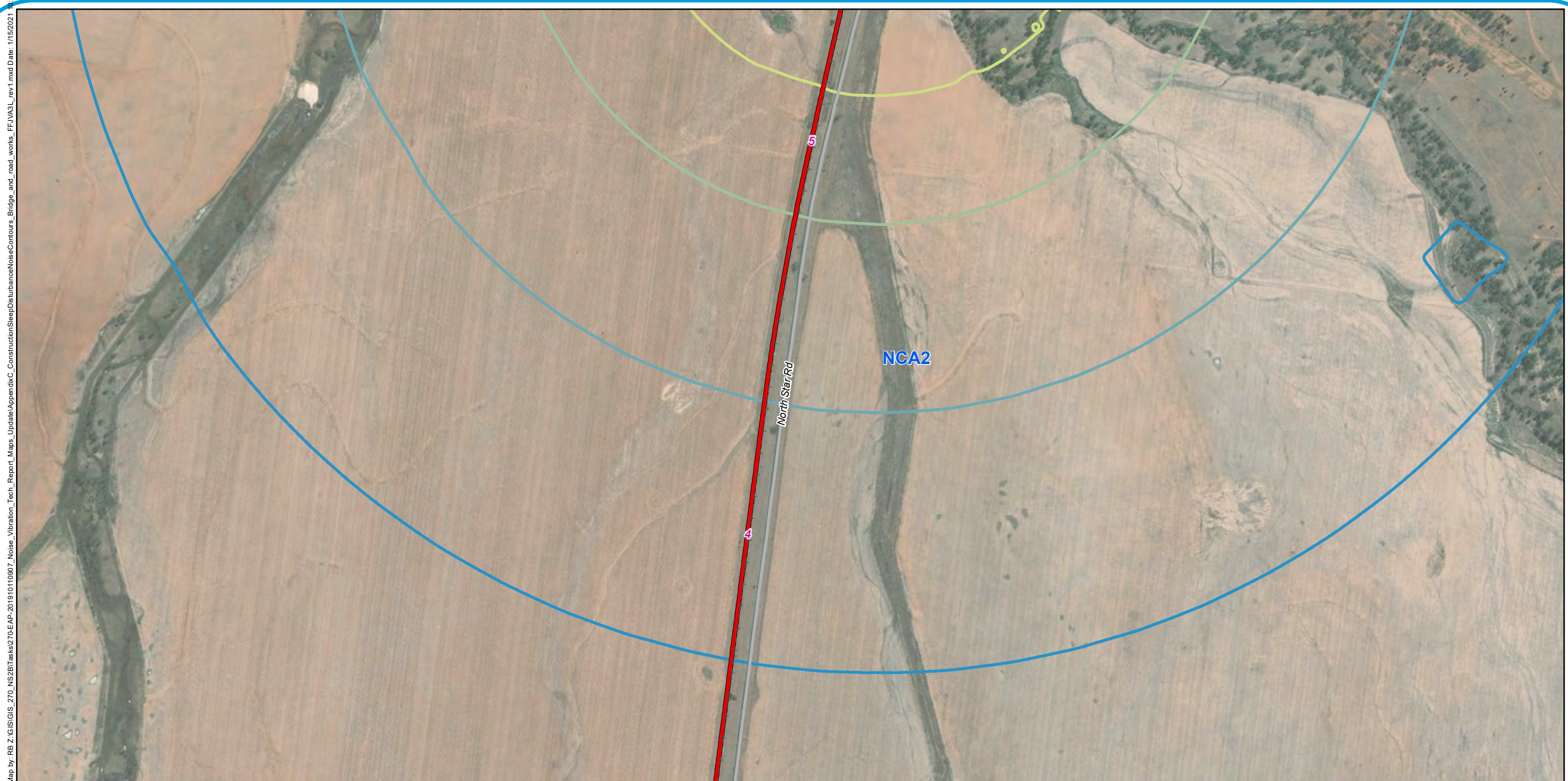


Issue date: 27/11/2019 Version: 0

Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 3 of 19)



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs

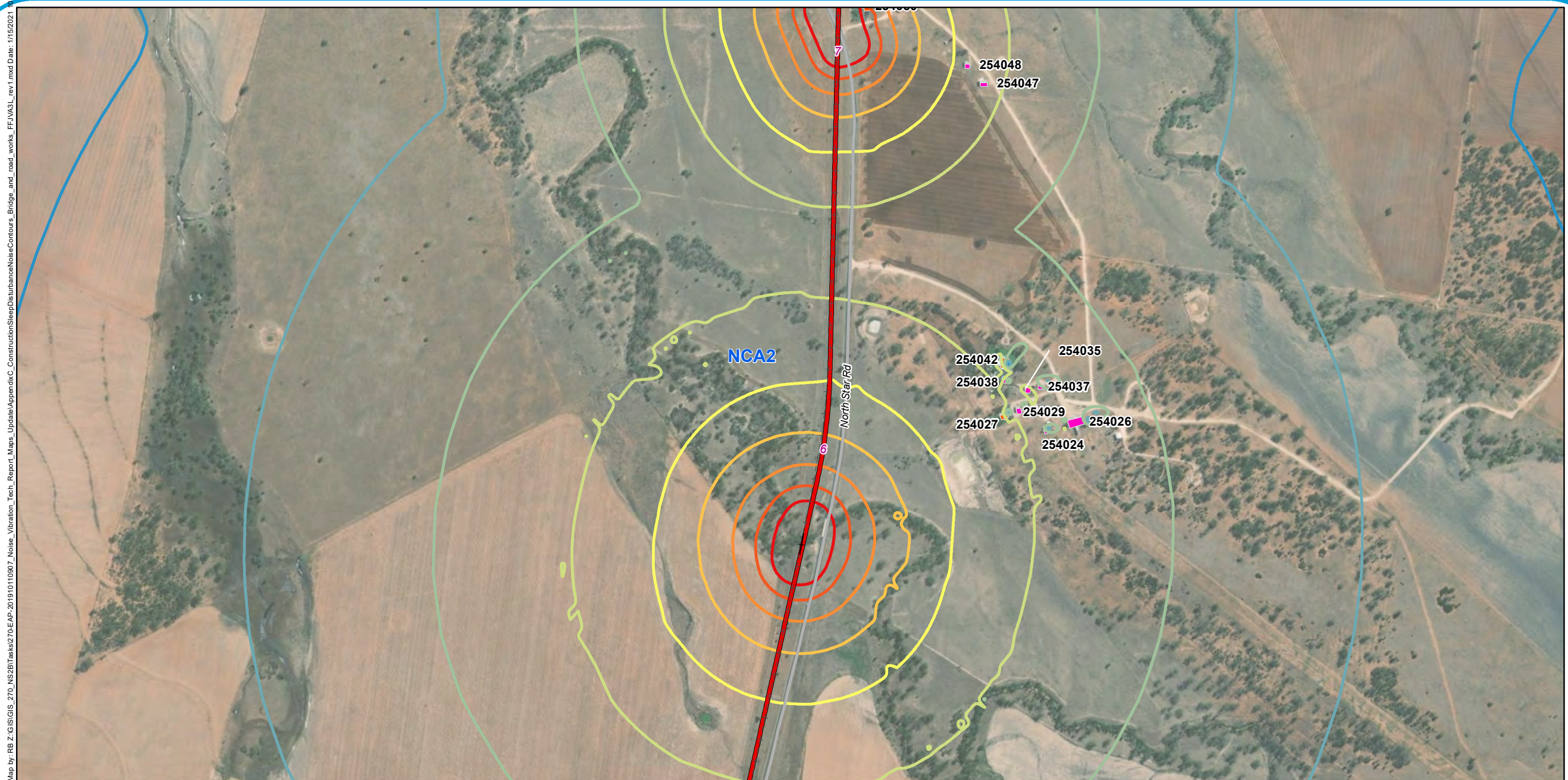


A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 4 of 19)



Legend

- 5 Chainage (km)
- Existing rail (operational)
- Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1} , 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA2

Sensitive receivers

- Residential
- Shed

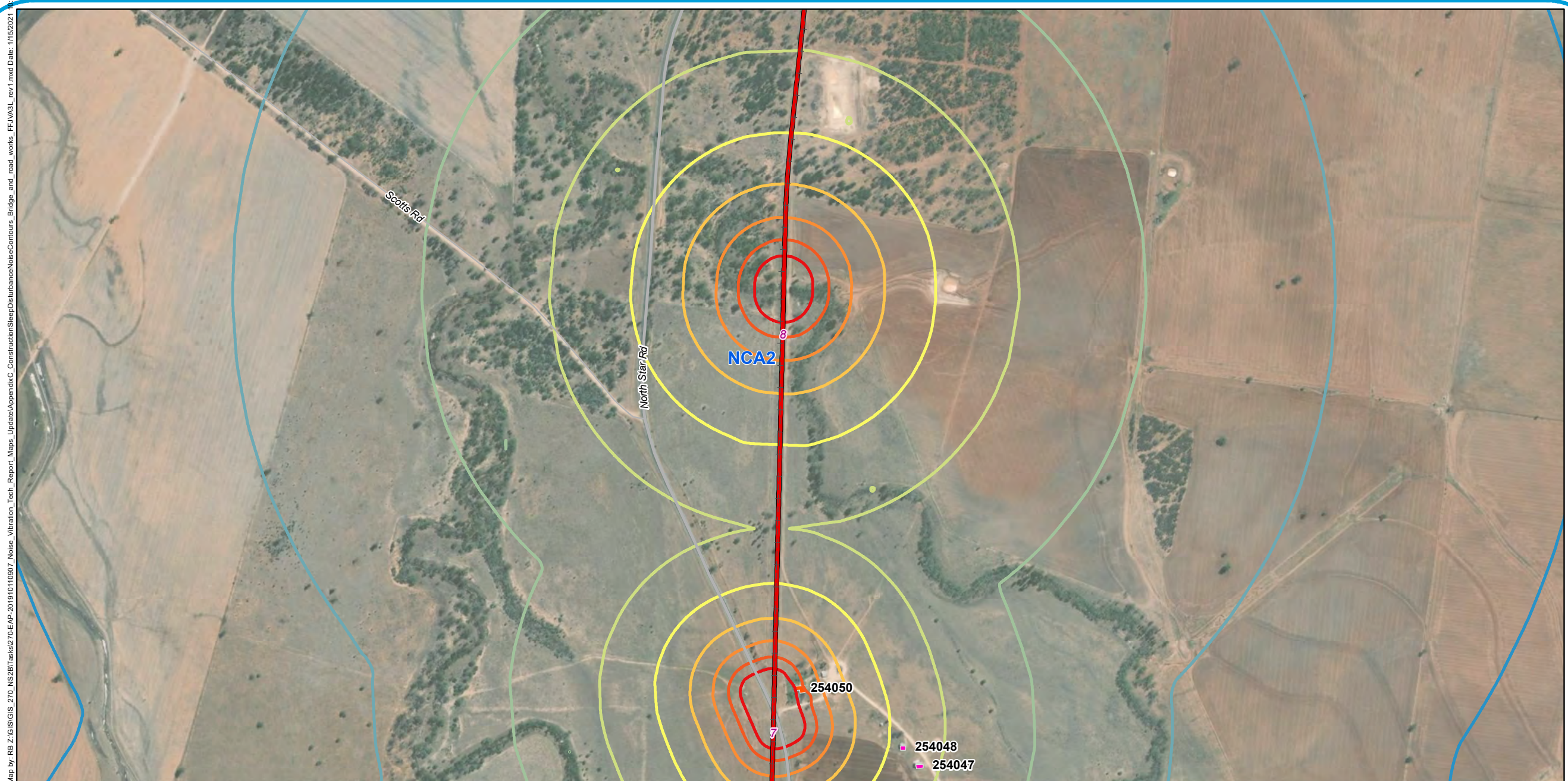


A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 5 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

$L_{A1, 1min}$, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5

Sensitive receivers

- Residential
- Shed

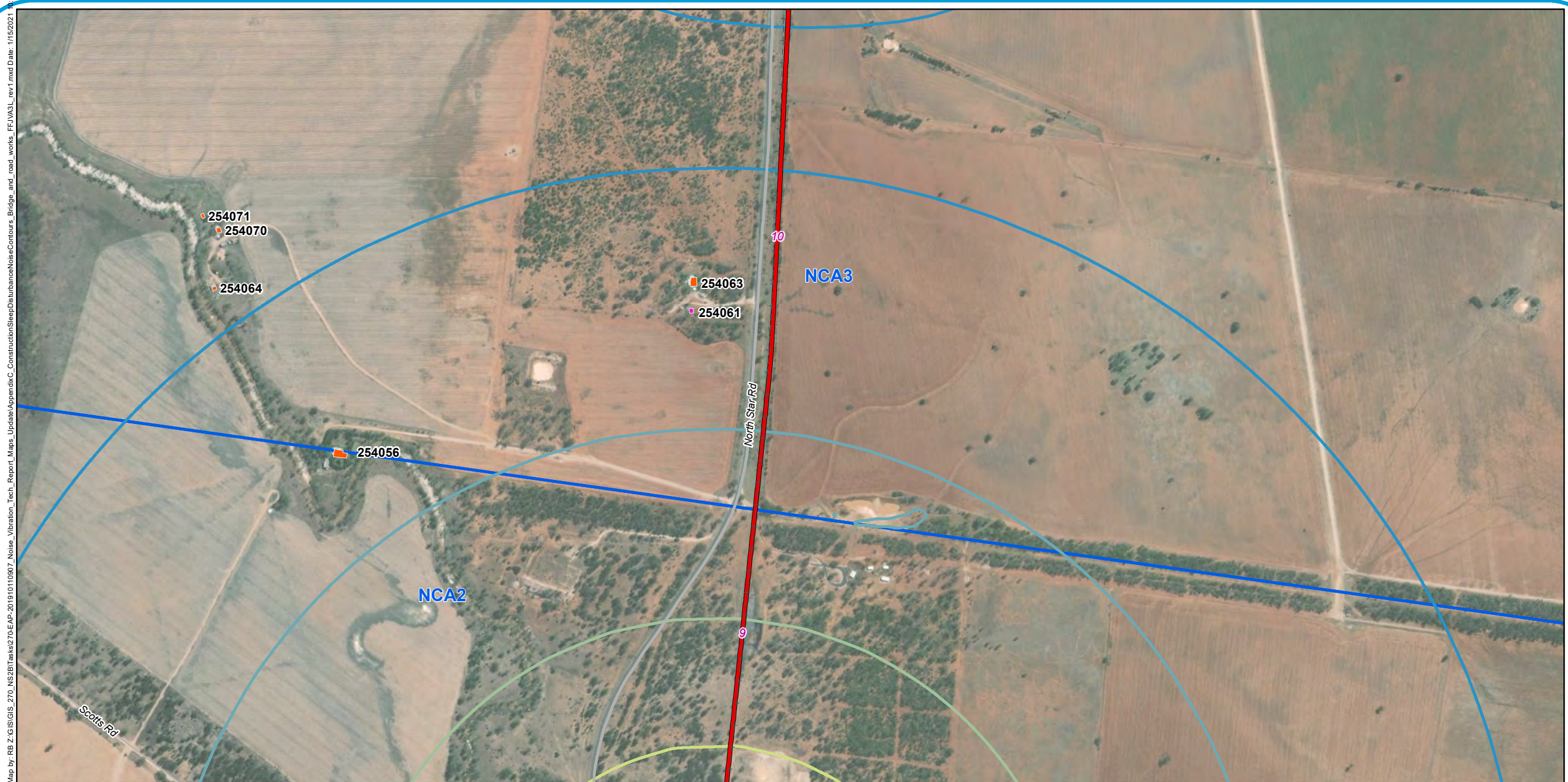


A3 scale: 1:10,500
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Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 6 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

$L_{A1, 1min}$, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3

Sensitive receivers

- Residential
- Shed

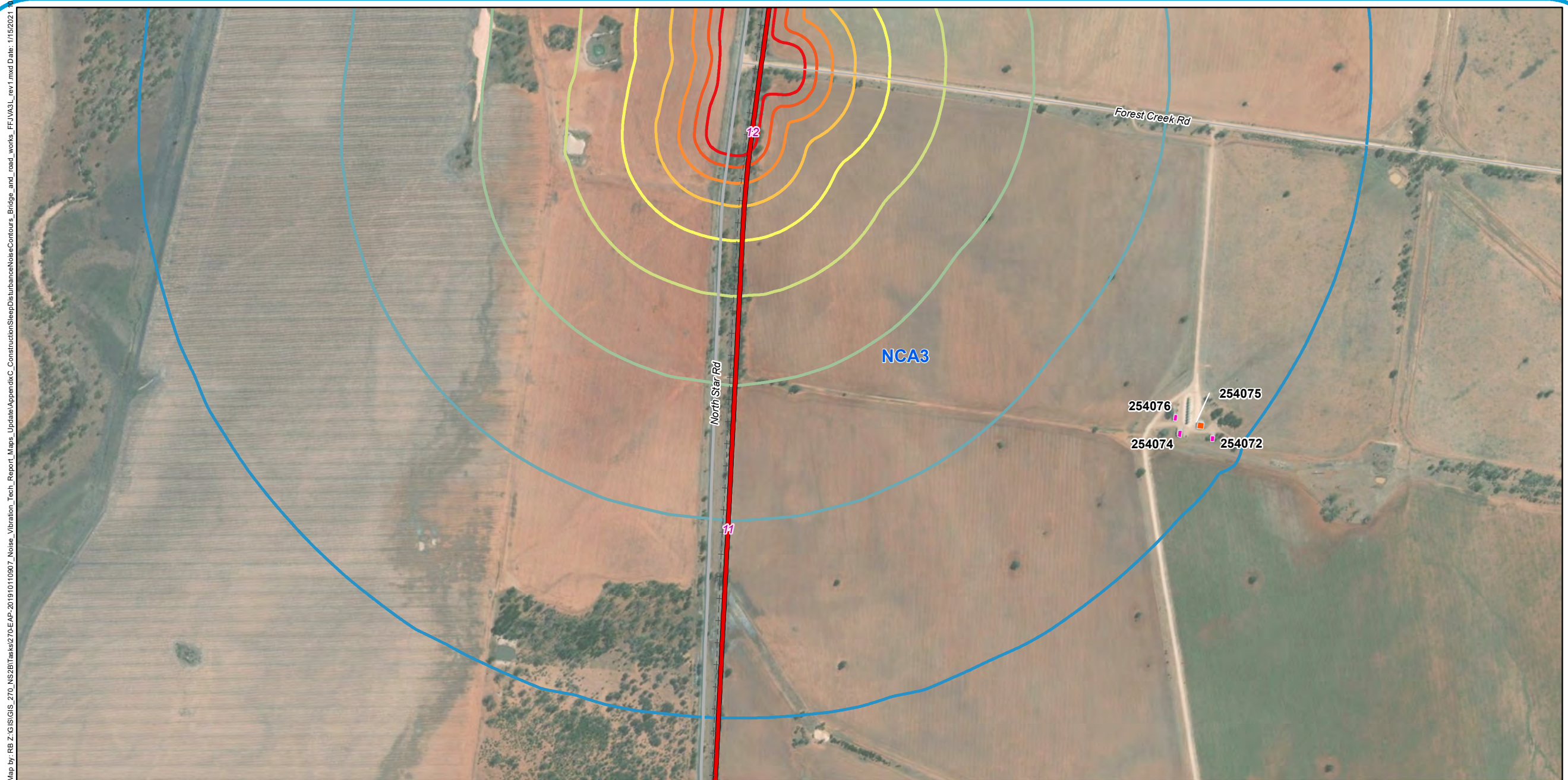


A3 scale: 1:10,500
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Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 7 of 19)



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs

Sensitive receivers

- Residential
- Shed

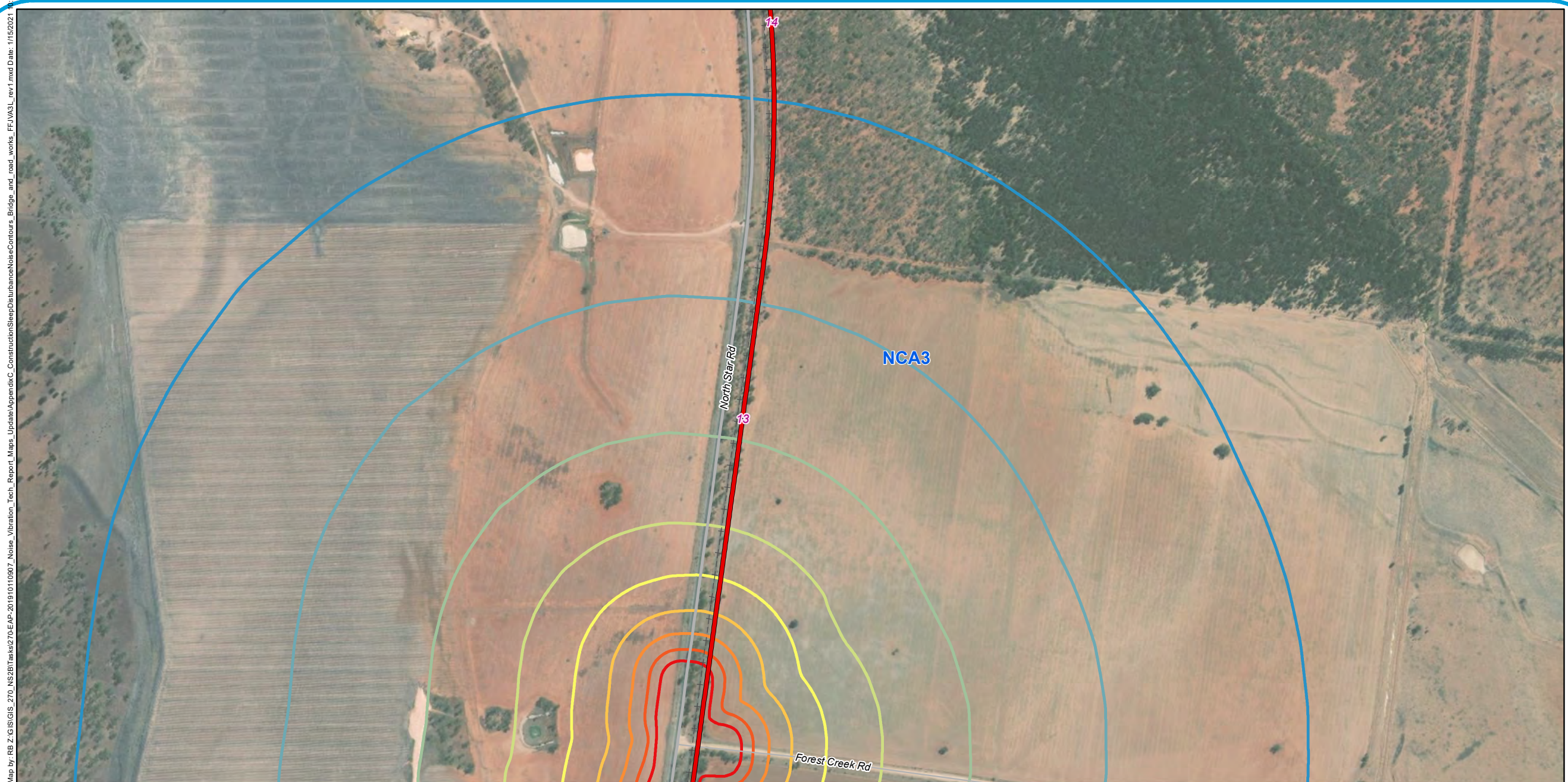


A3 scale: 1:10,500
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 8 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

$L_{A1, 1min}$, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3

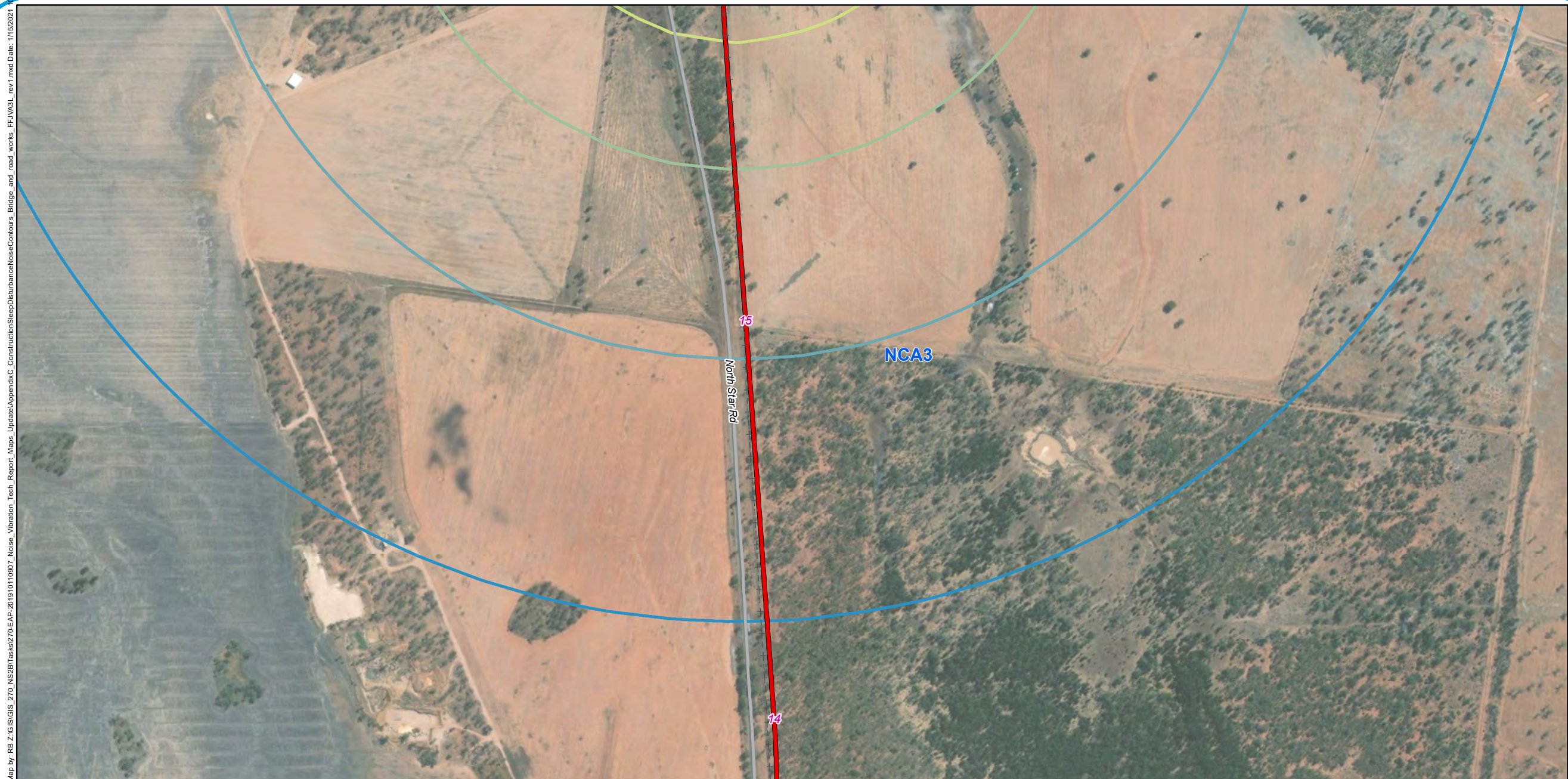


A3 scale: 1:10,500
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Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 9 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3

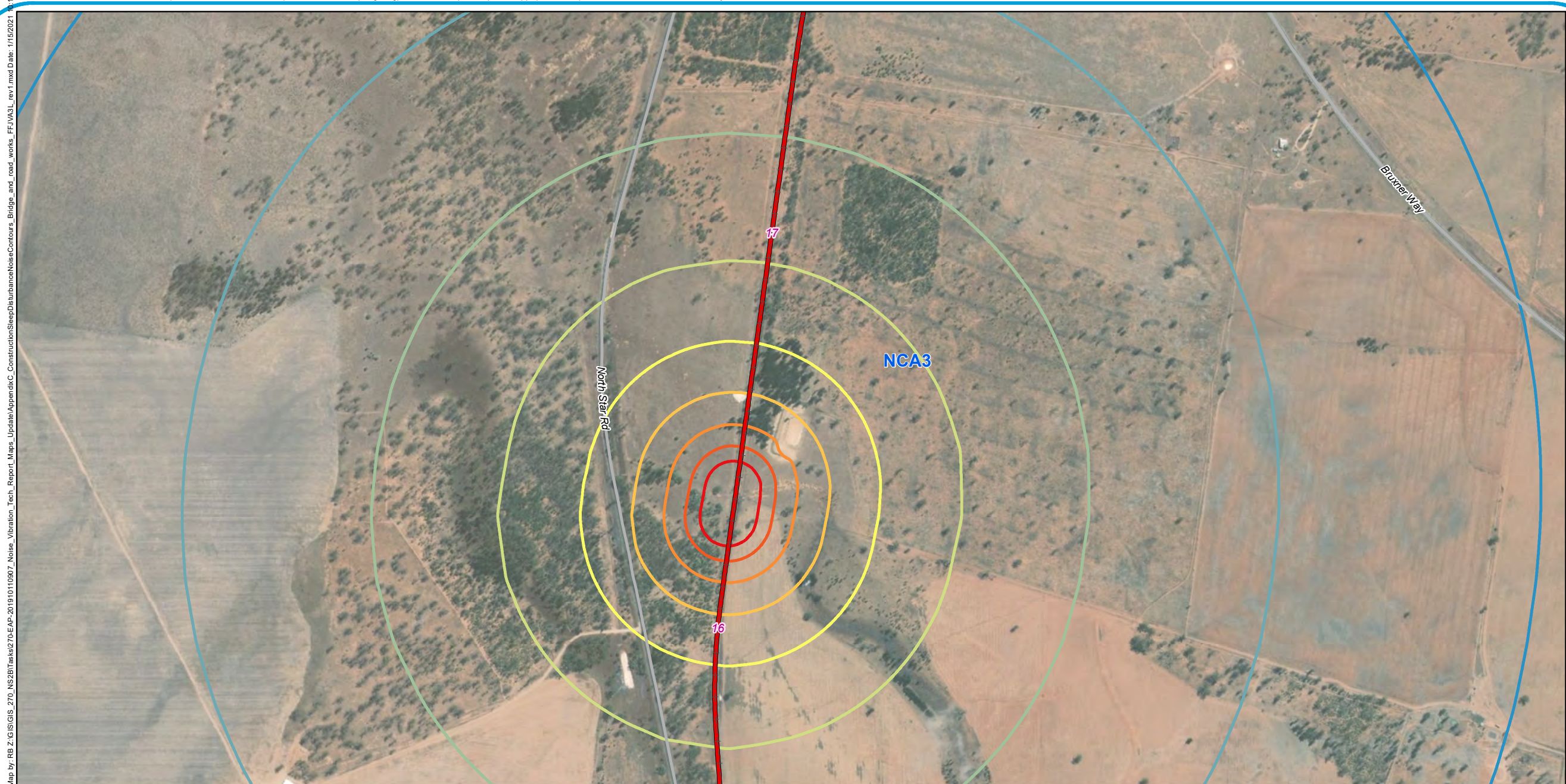


A3 scale: 1:10,500
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 10 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

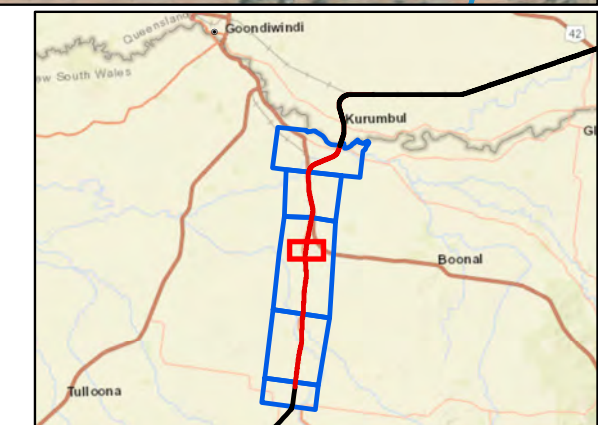
Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3

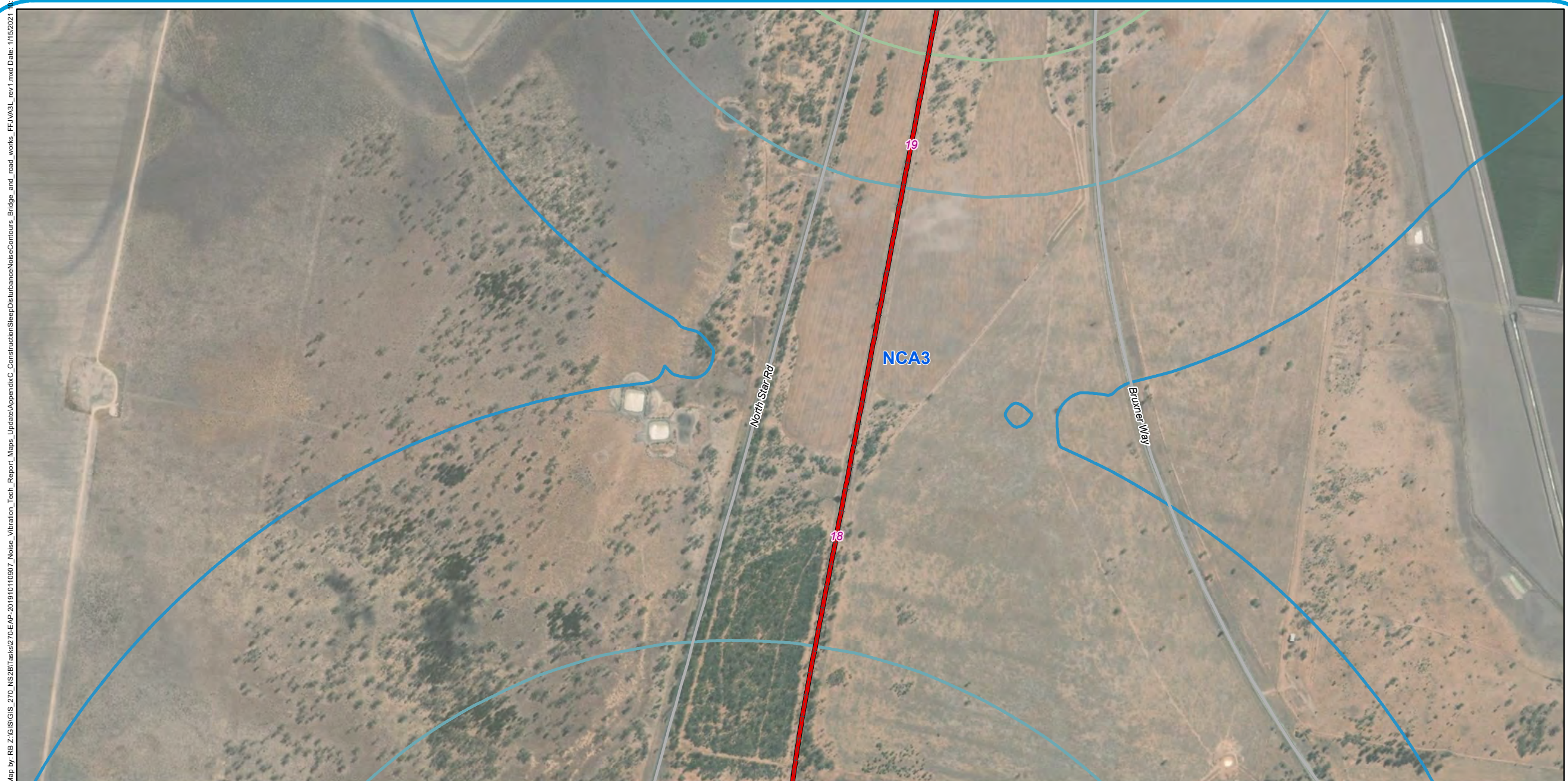


A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 11 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3

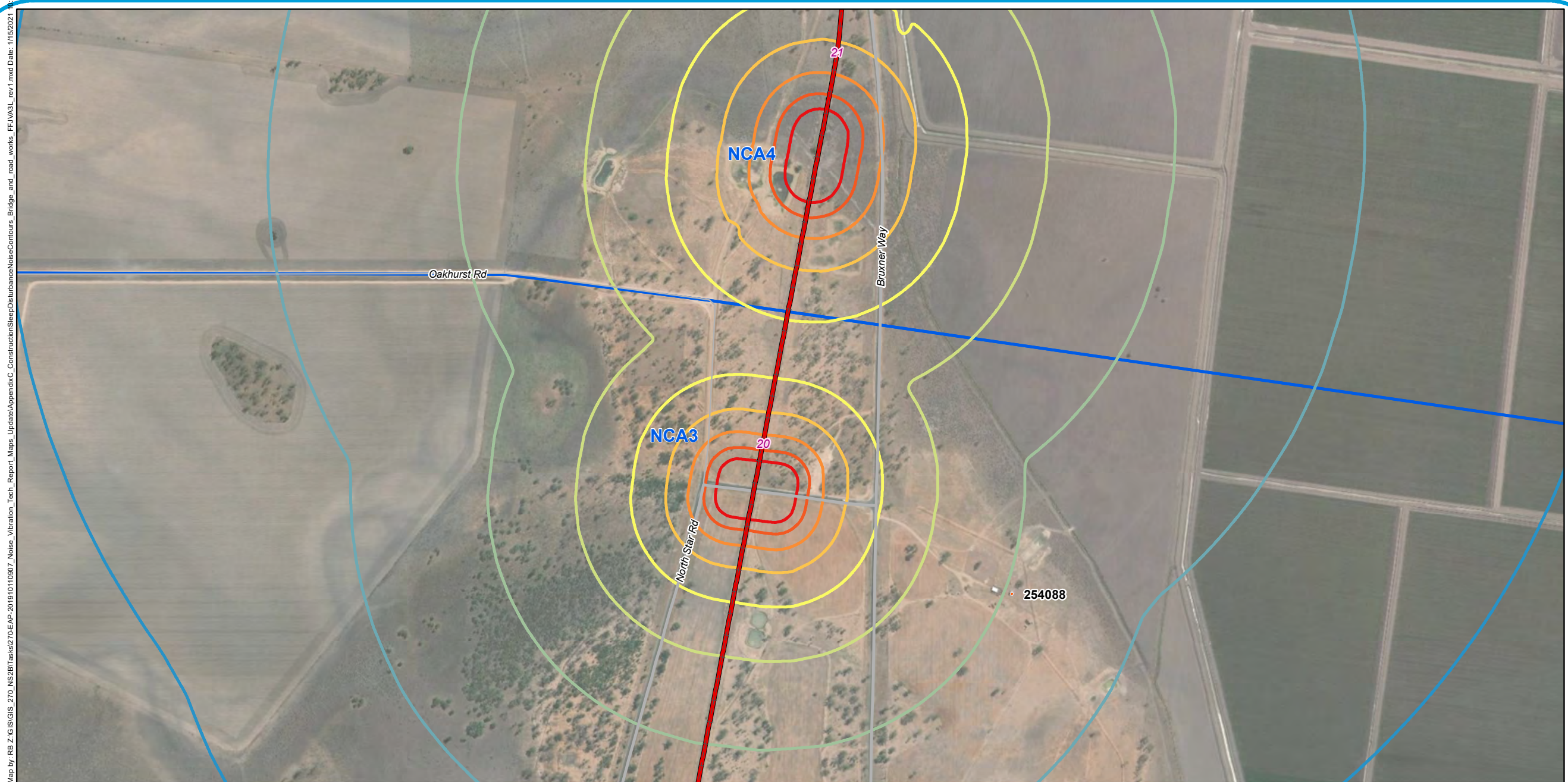


A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 12 of 19)



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

$L_{A1, 1min}$, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5

Sensitive receivers

- Residential



A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 13 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

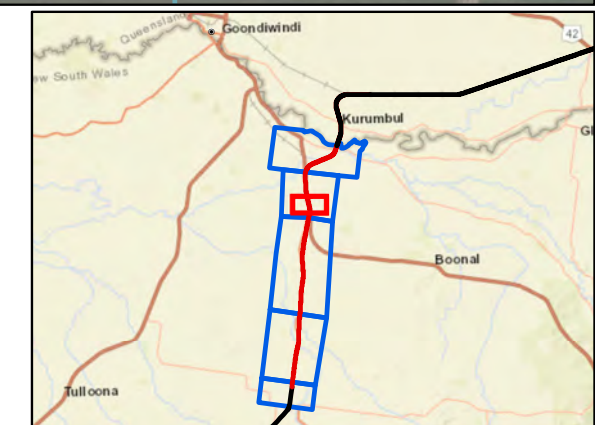
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs

Sensitive receivers

- Residential
- Shed



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 14 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs

Sensitive receivers

- Residential

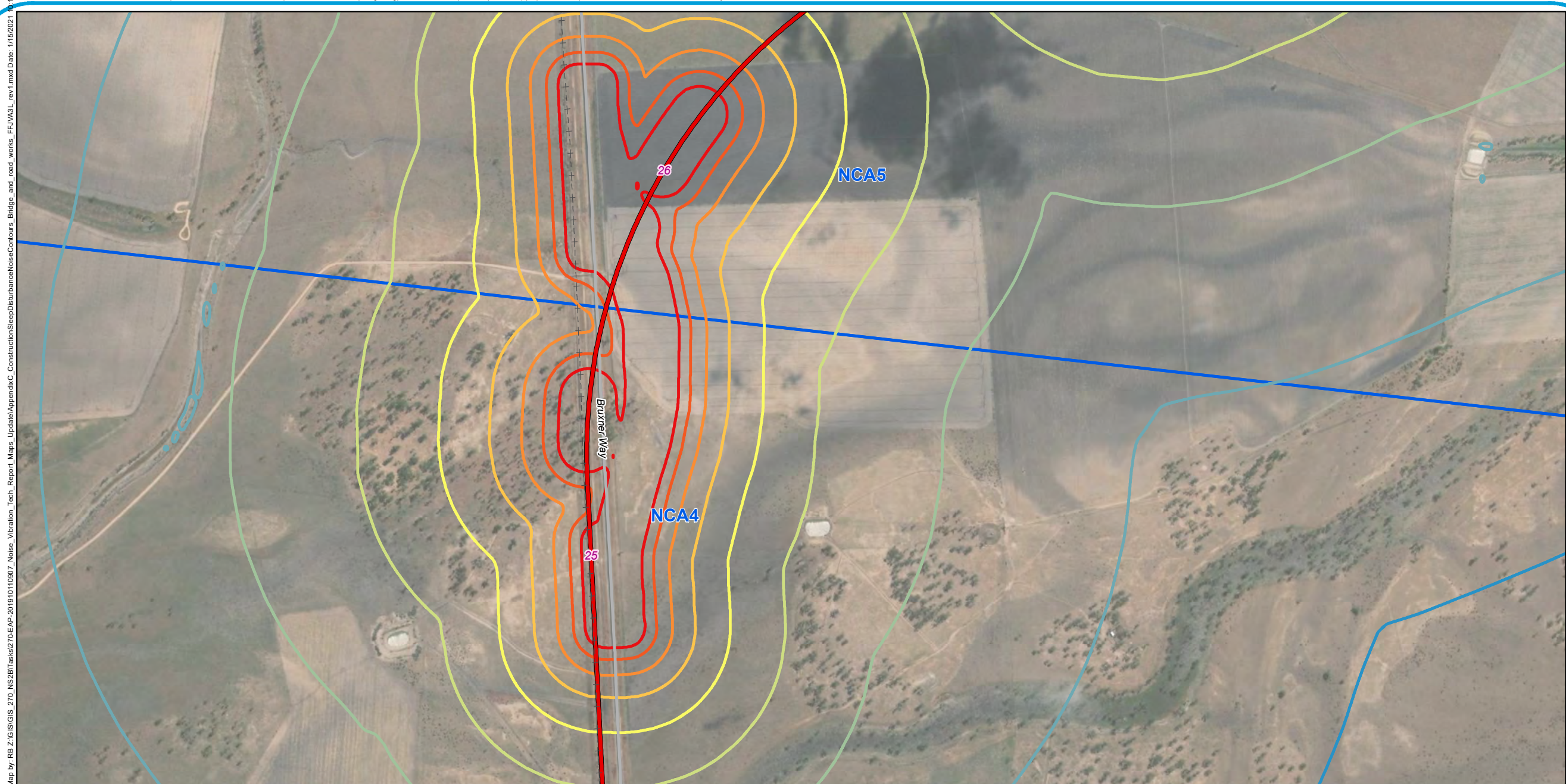


A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4km



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North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 15 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCAs

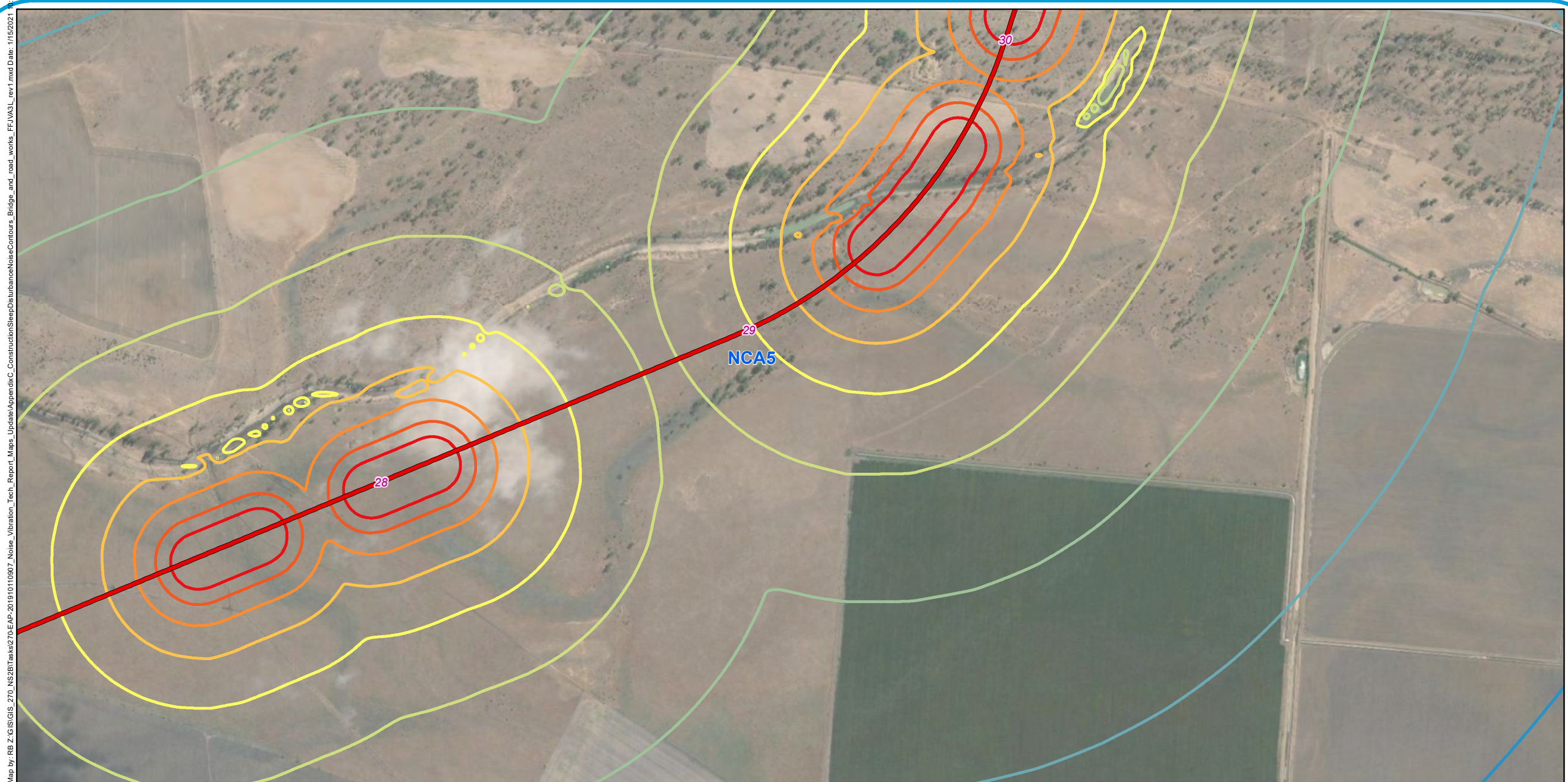


A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 16 of 19)



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 17 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5

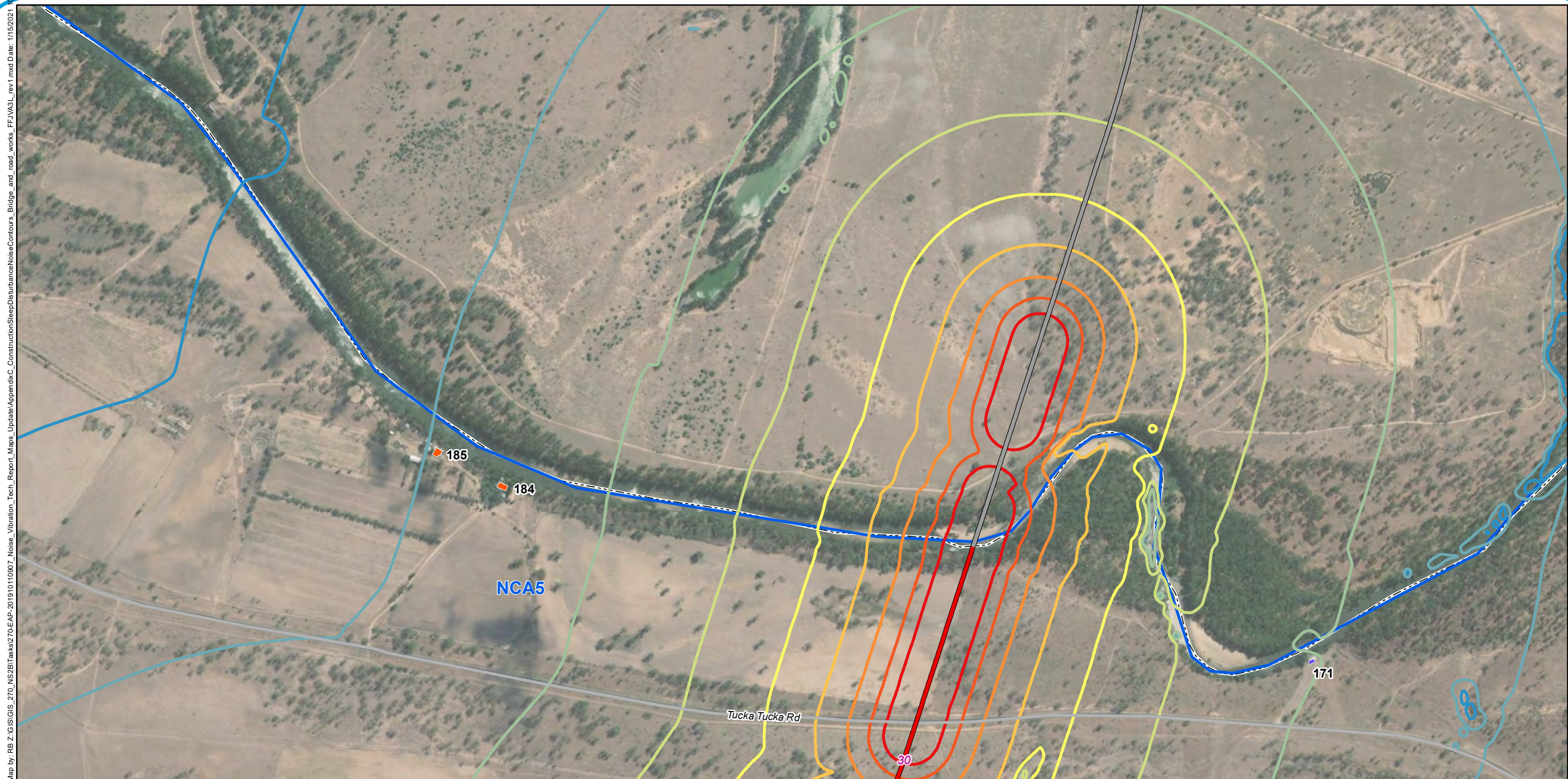


A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 18 of 19)



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- Adjoining alignments
- Major roads
- NSW/QLD border

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5

Sensitive receivers

- Industrial
- Residential



A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Bridge works and road works (Map 19 of 19)



- ### Sound Pressure Level

L_{A1, 1min}, dB(A)

- 63
68
73
78
83

 NCAs

Sensitive receivers

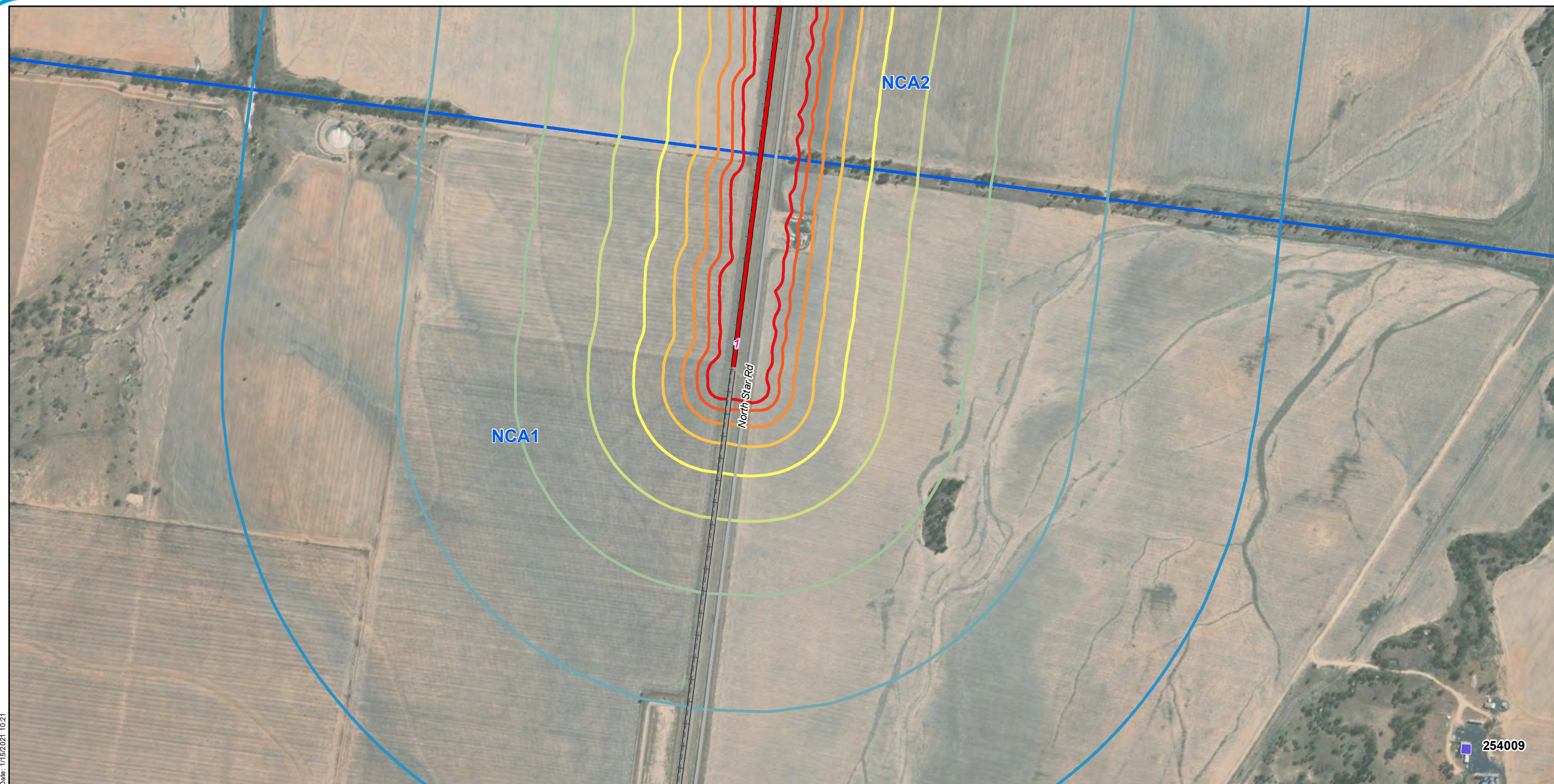
- Active Recreation
- Commercial
- Industrial
- Residential
- School
- Shed



North Star to NSW/QLD border

⁵⁶ **Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 1 of 19)**

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Adjoining alignments
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

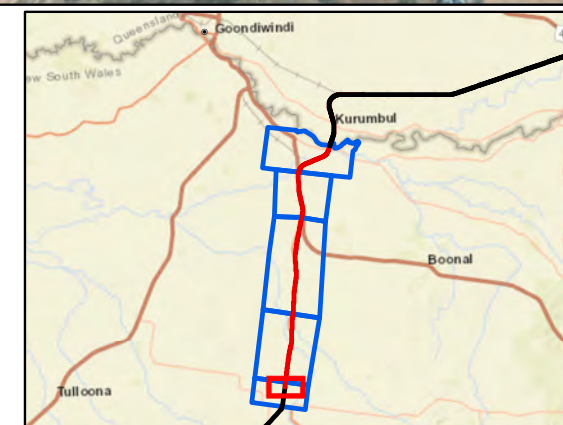
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA1 NCA2

Sensitive receivers

Industrial



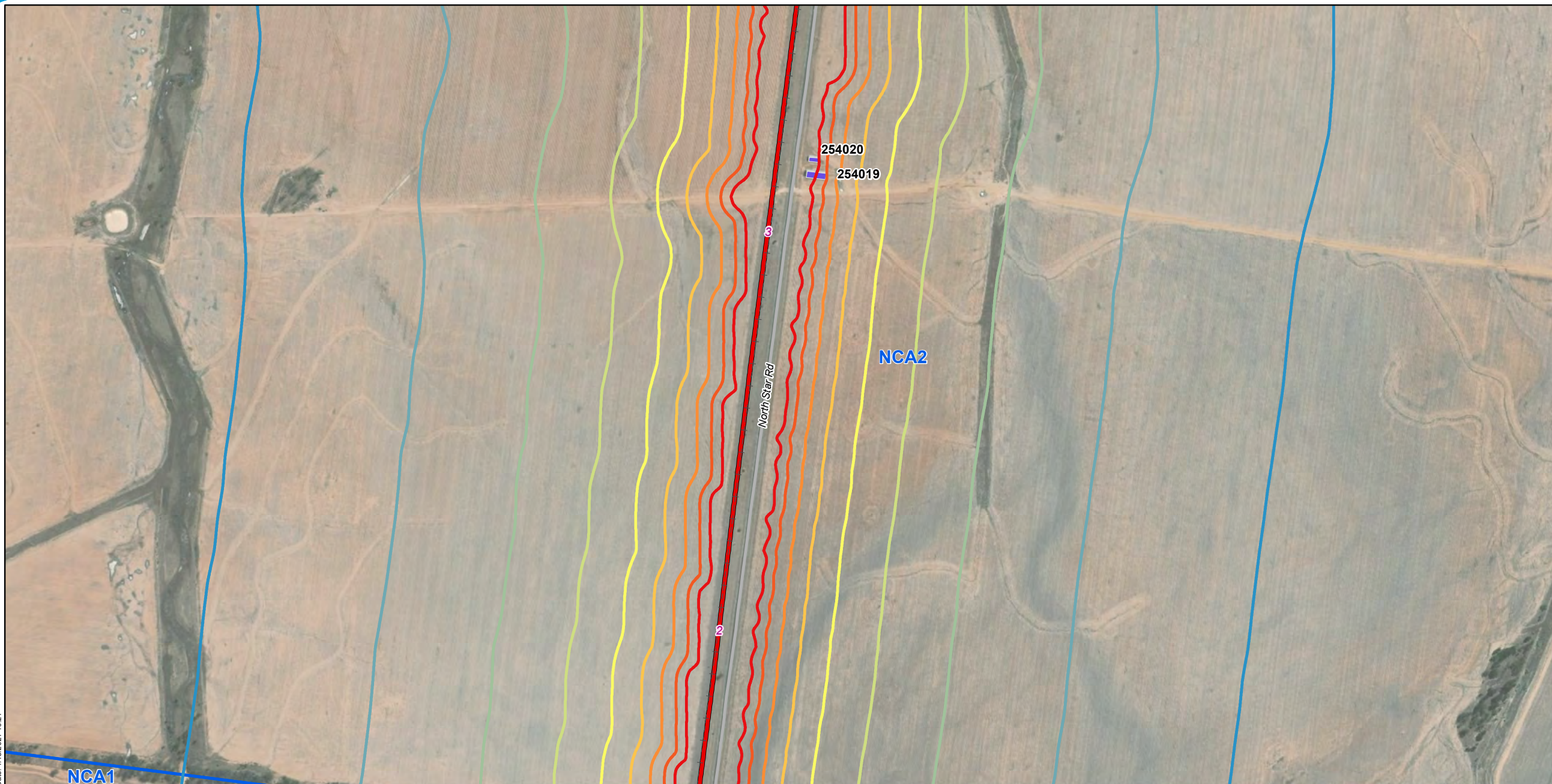
A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 2 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-201910110607_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

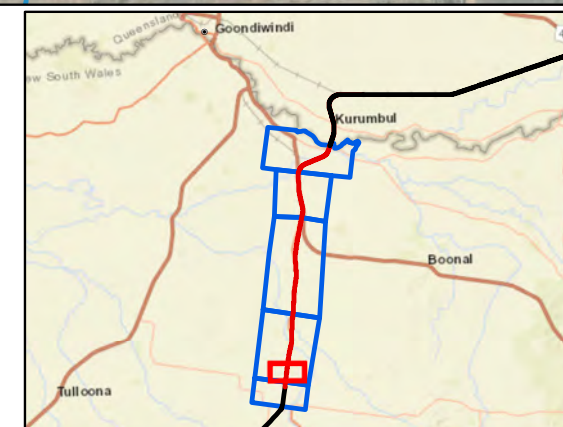
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA1 NCA2

Sensitive receivers

- Industrial



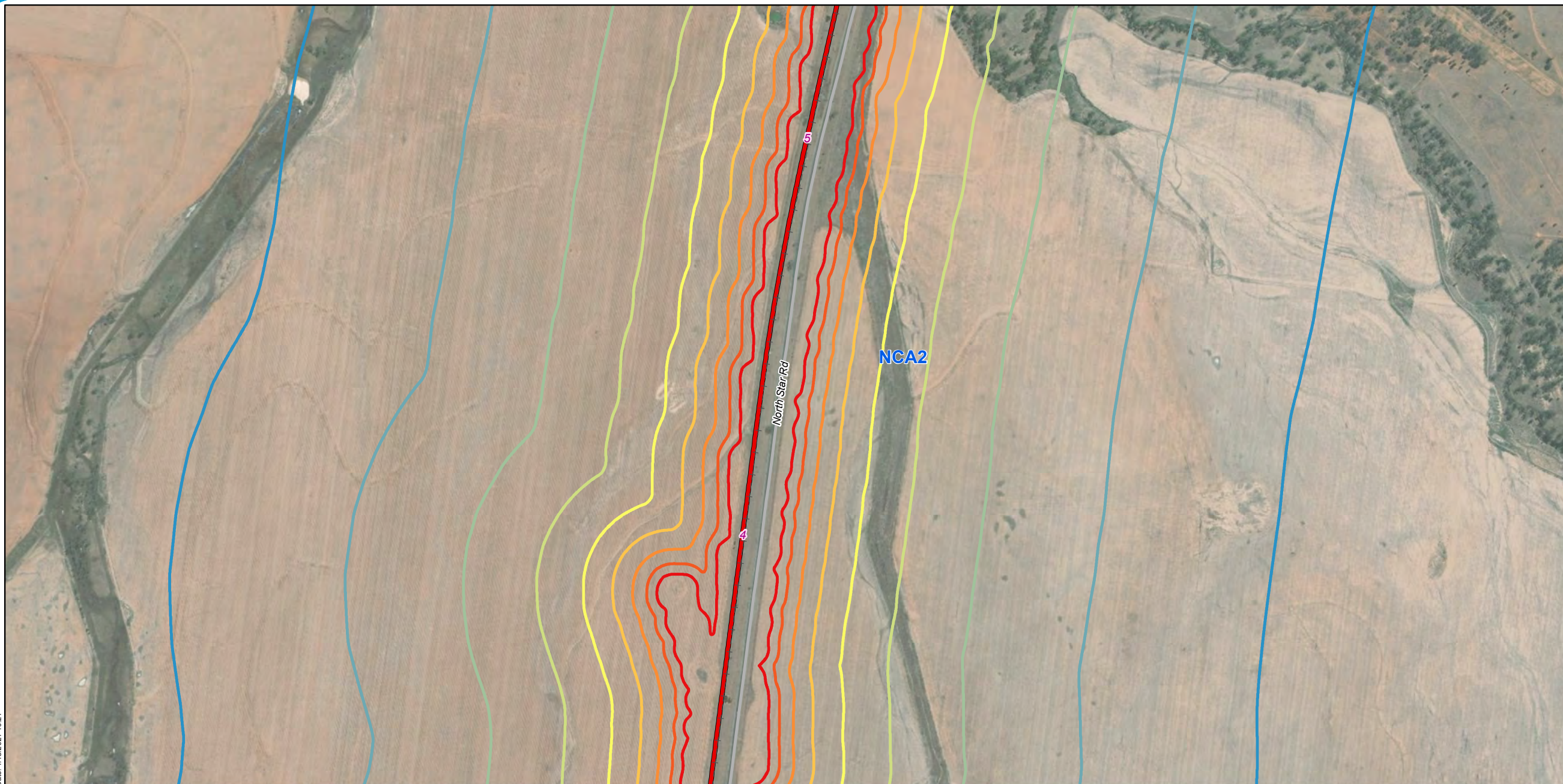
A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 3 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA2



A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km

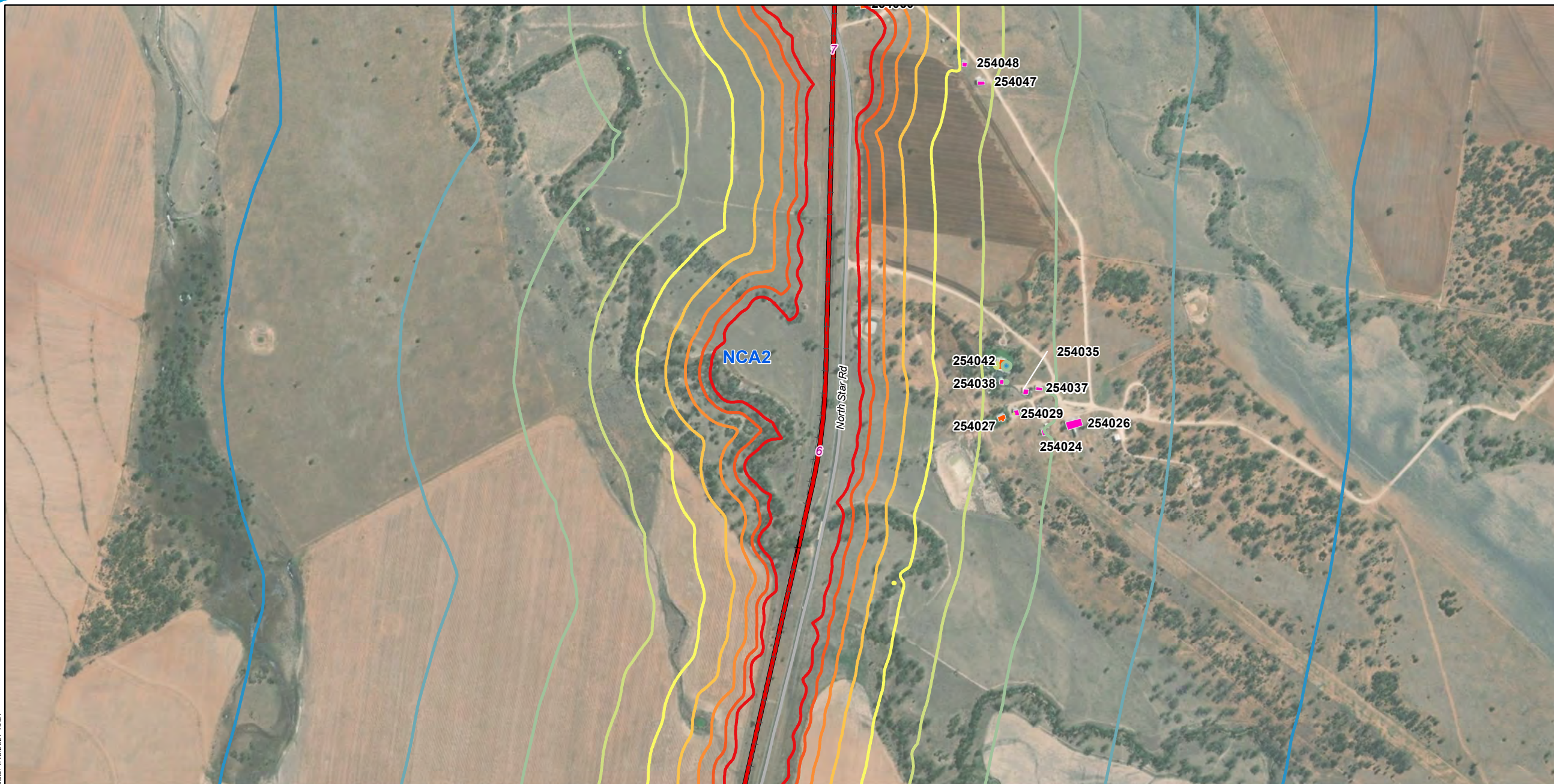


Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 4 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- Existing rail (operational)
- Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

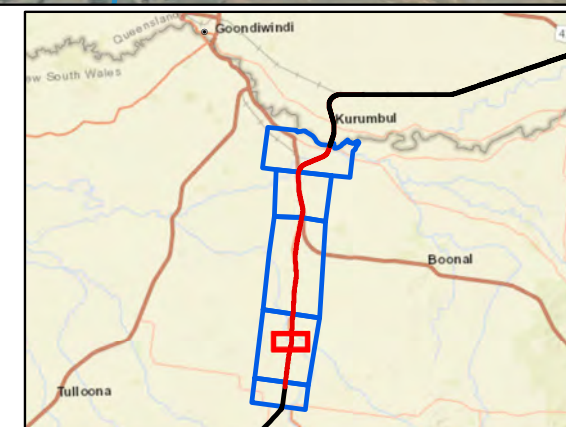
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA2

Sensitive receivers

- Residential
- Shed



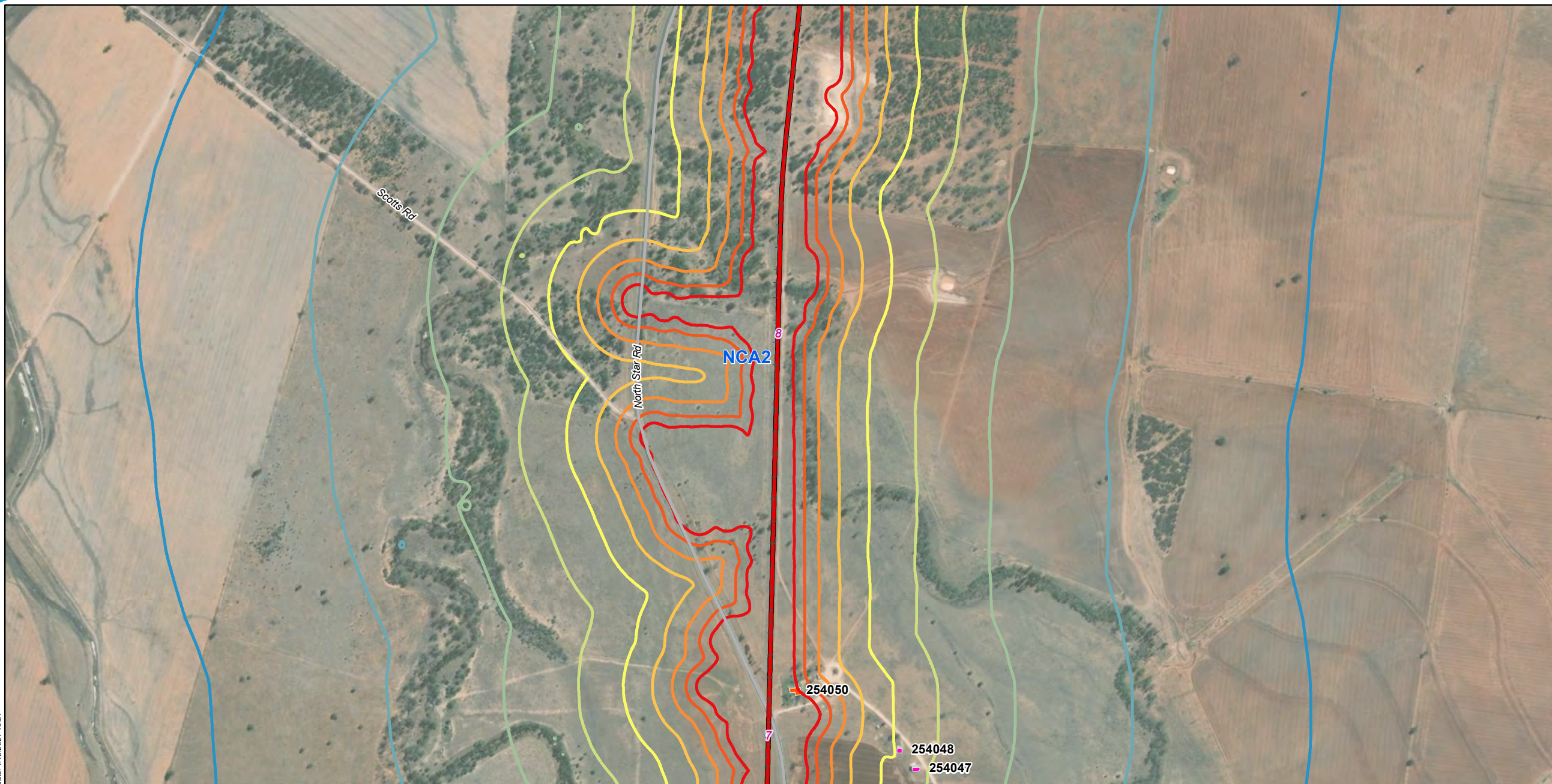
A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 5 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs

Sensitive receivers

- Residential
- Shed



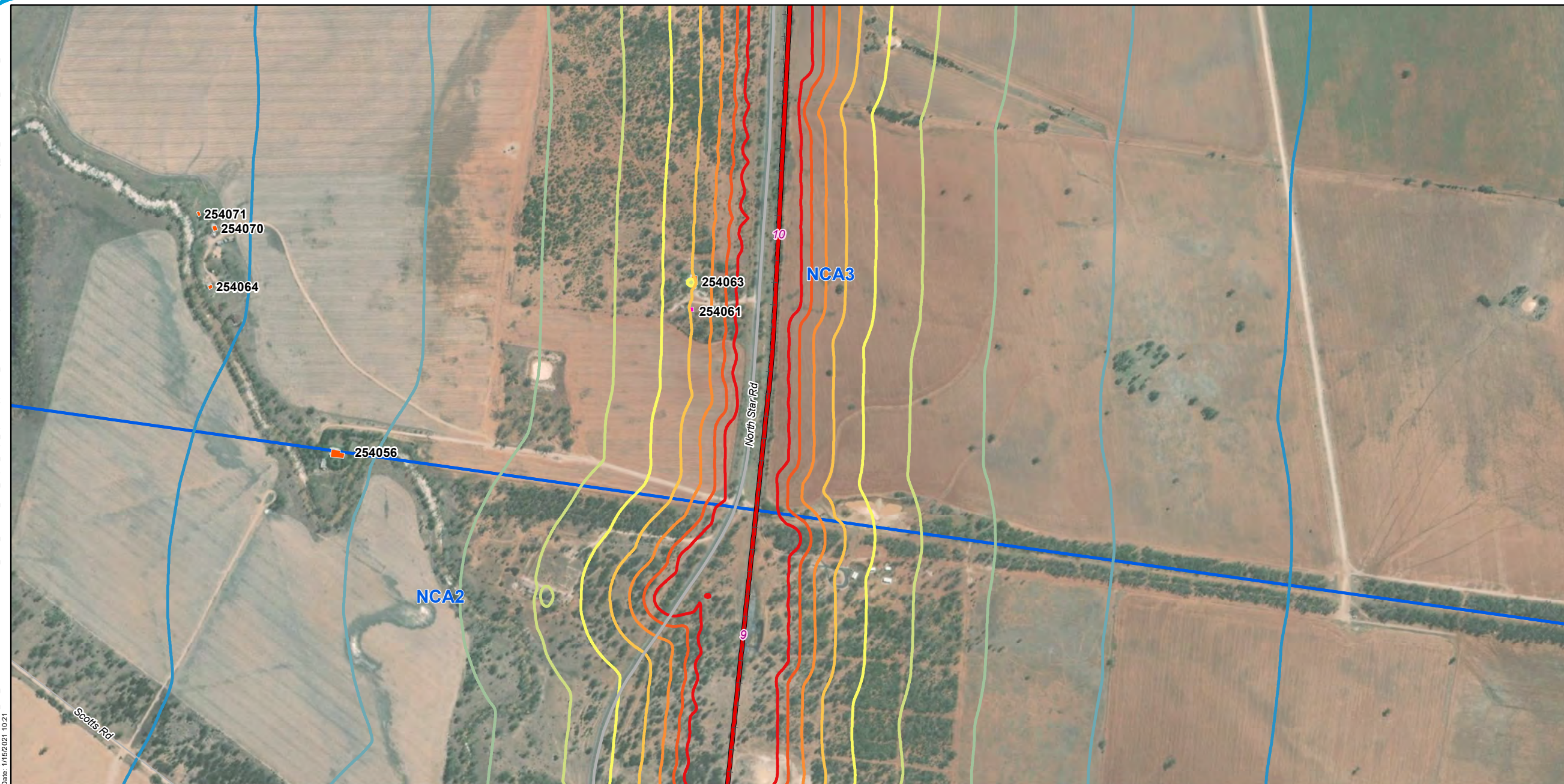
A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 6 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

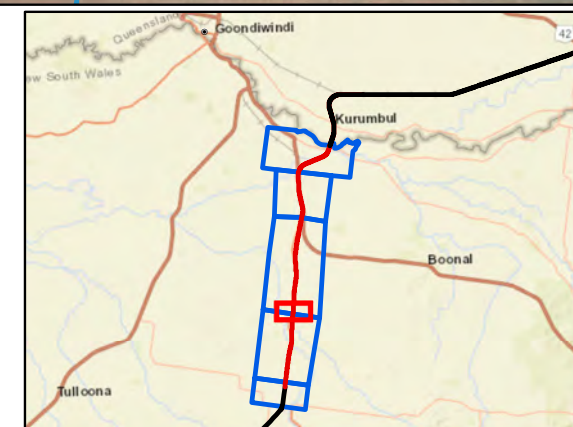
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs

Sensitive receivers

- Residential
- Shed



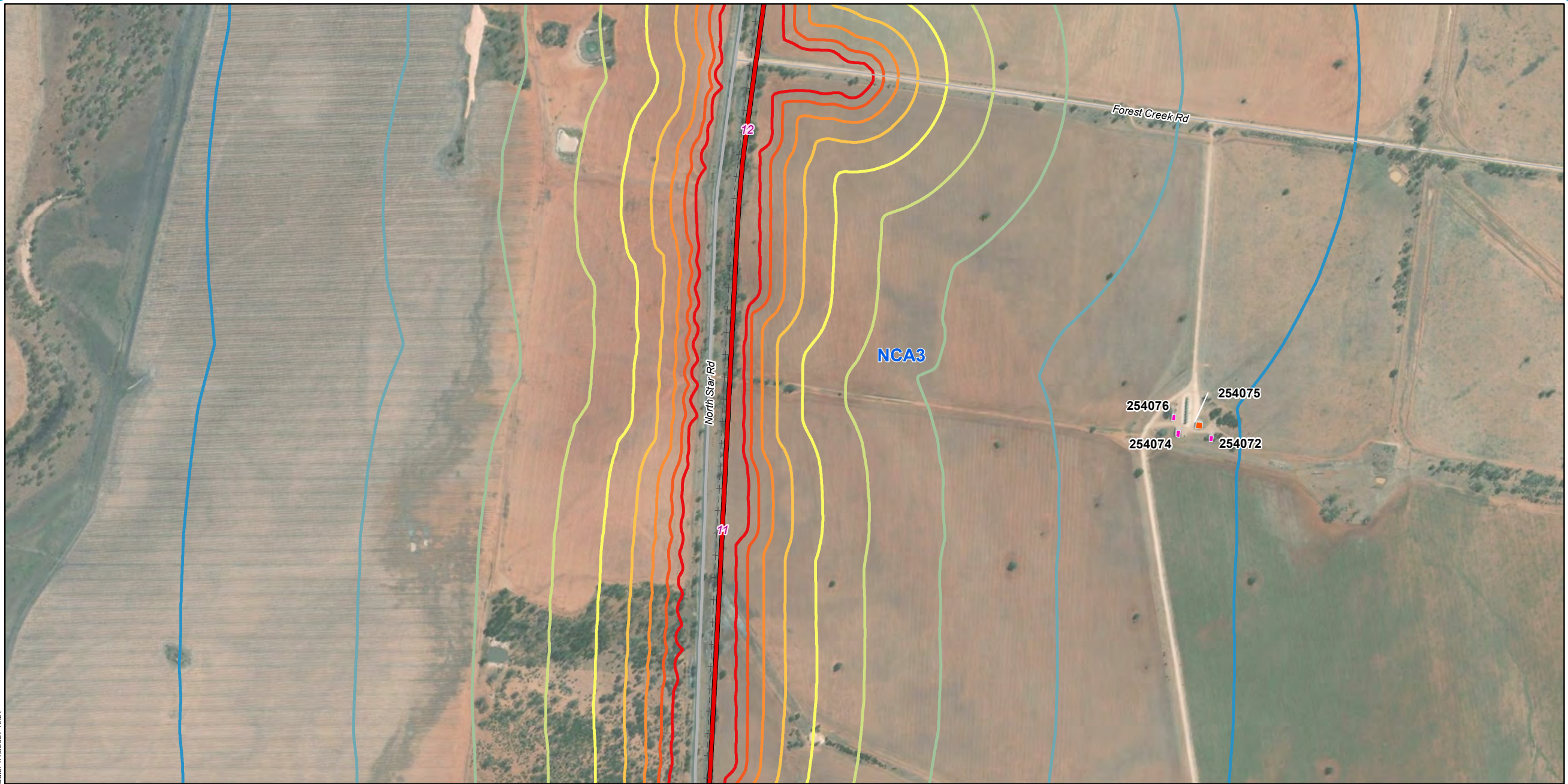
A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 7 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3_rev1.mxd
Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3

Sensitive receivers

- Residential
- Shed



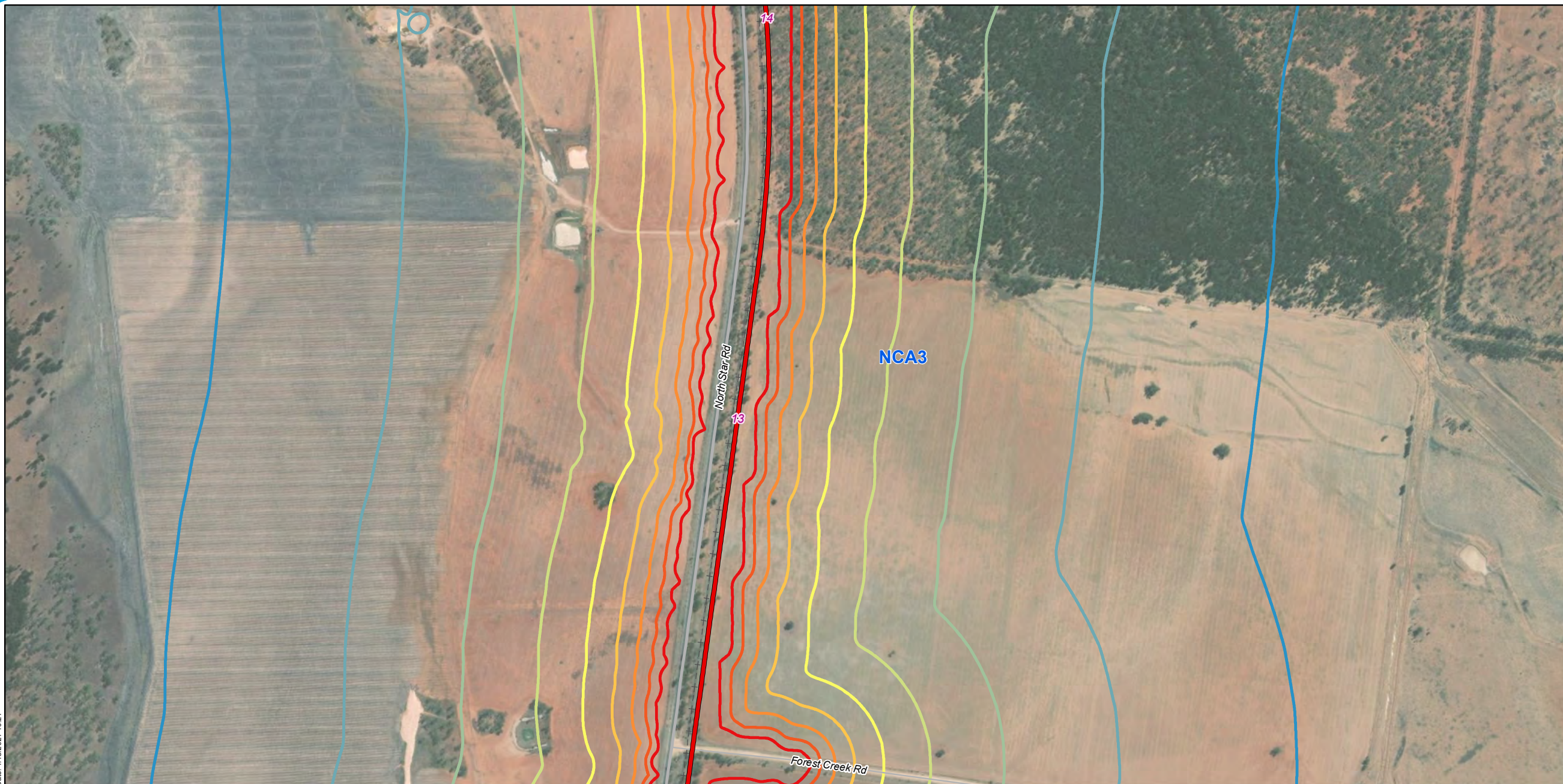
A3 scale: 1:10,500
0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 8 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCAs



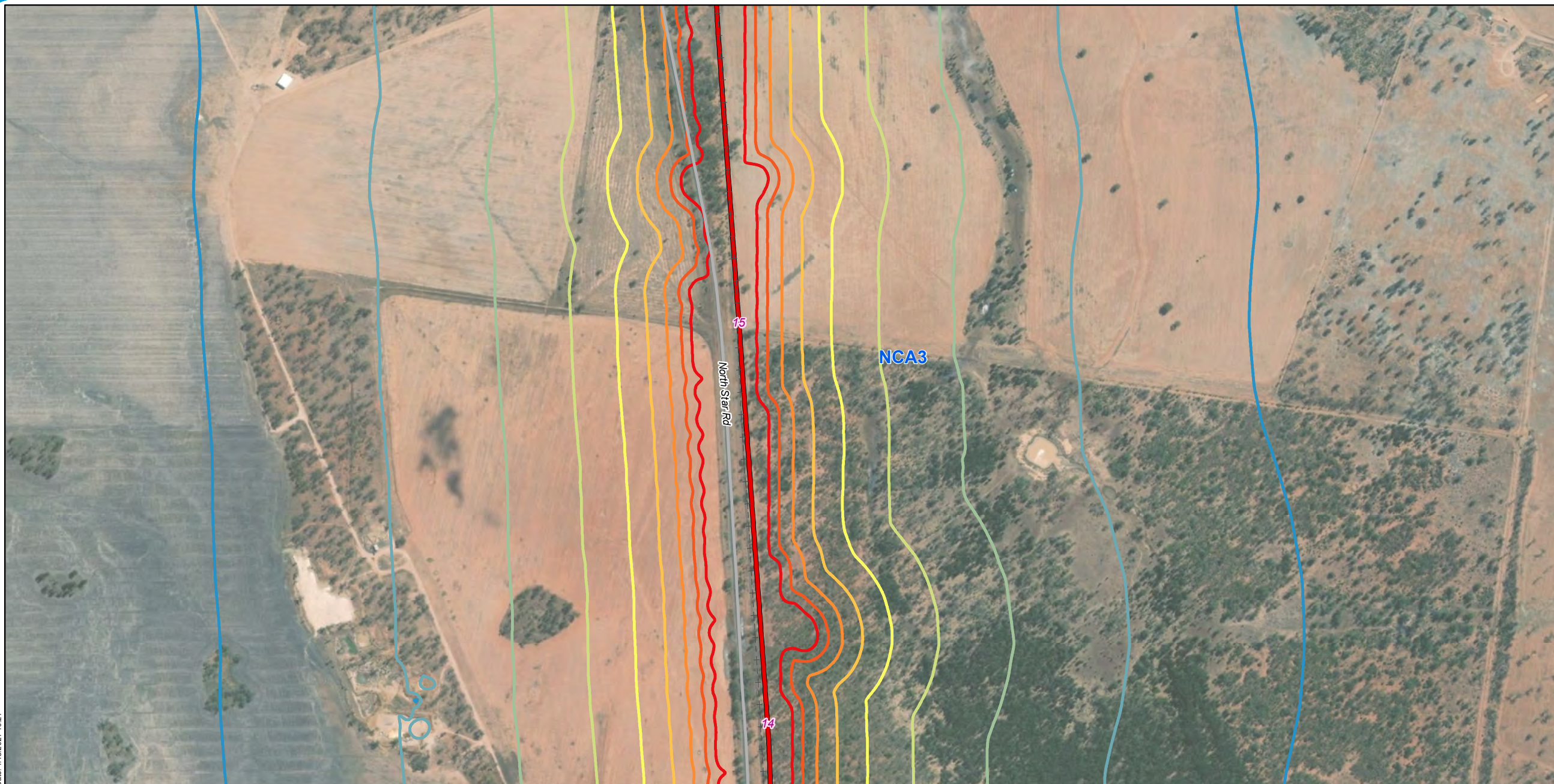
A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 9 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\067_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3



A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km

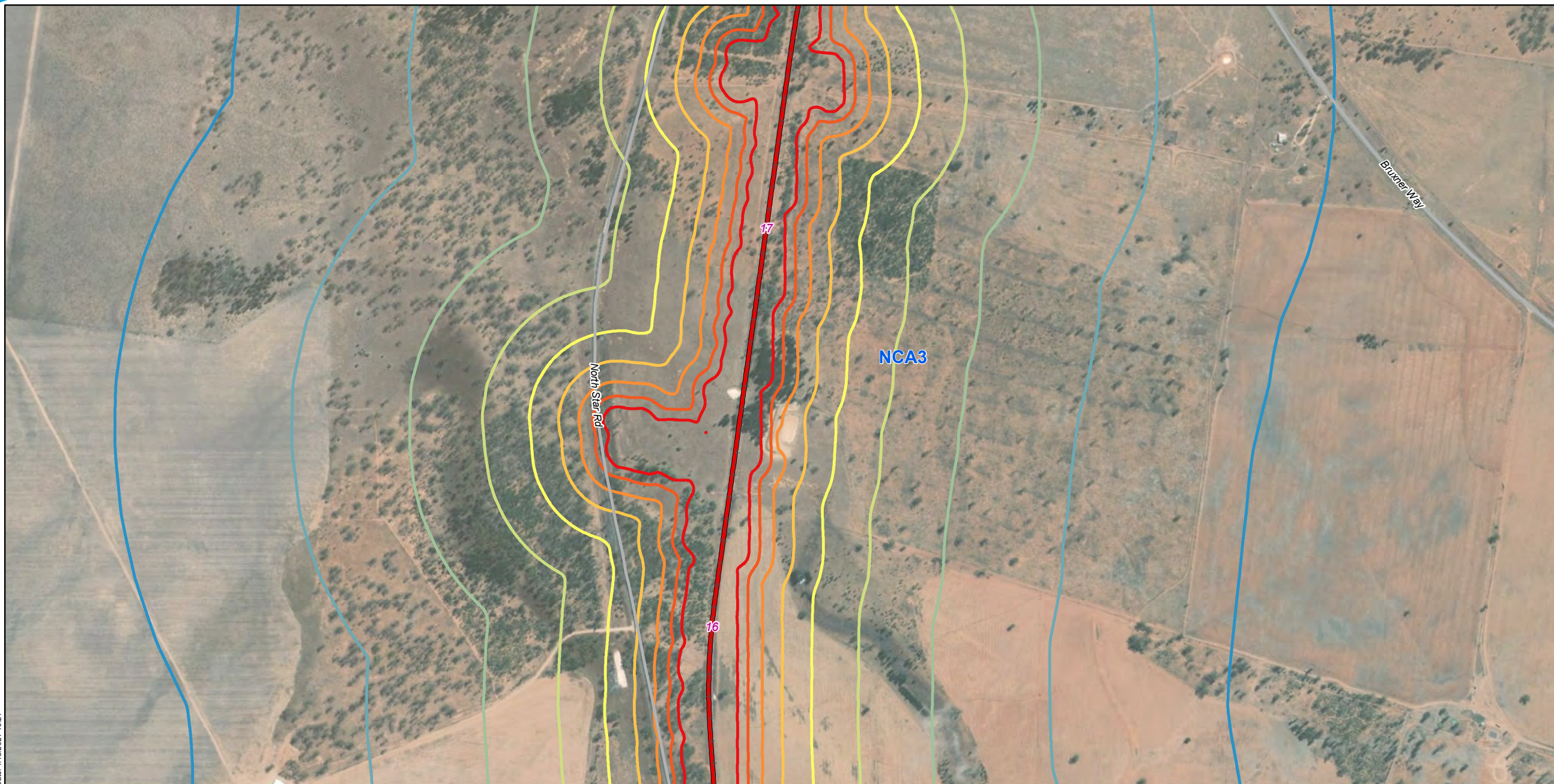


Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 10 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-201910110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\JA3_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3



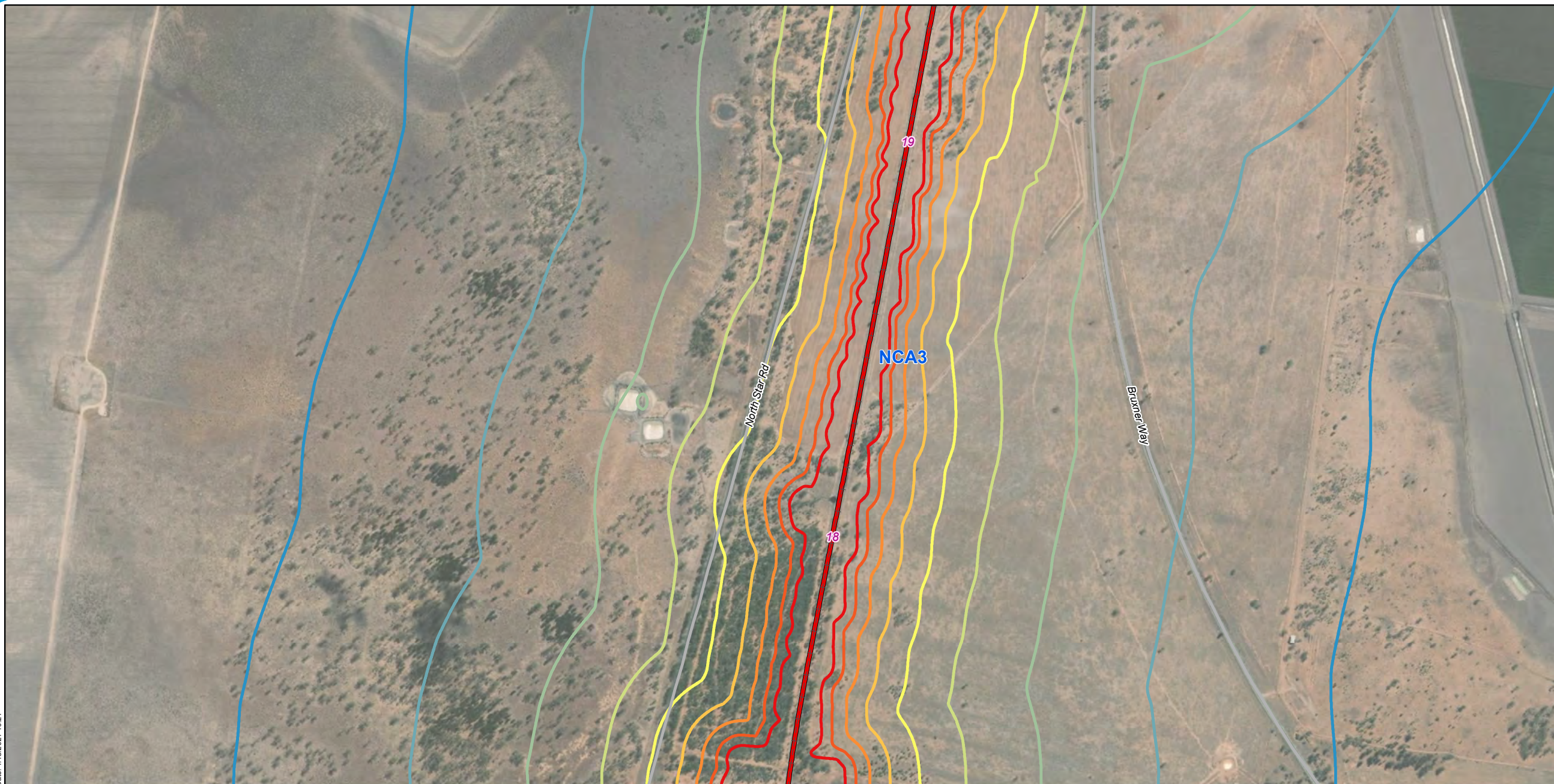
A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 11 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

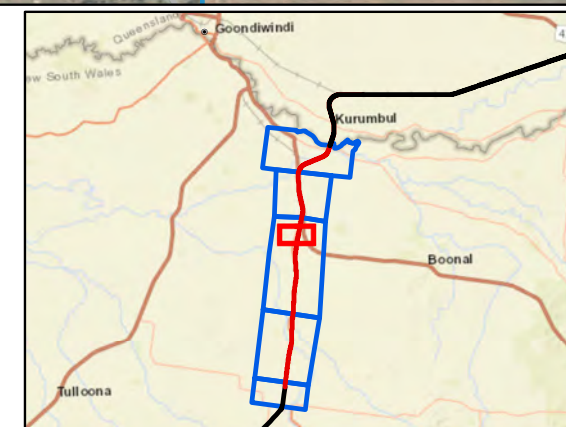
Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCAs



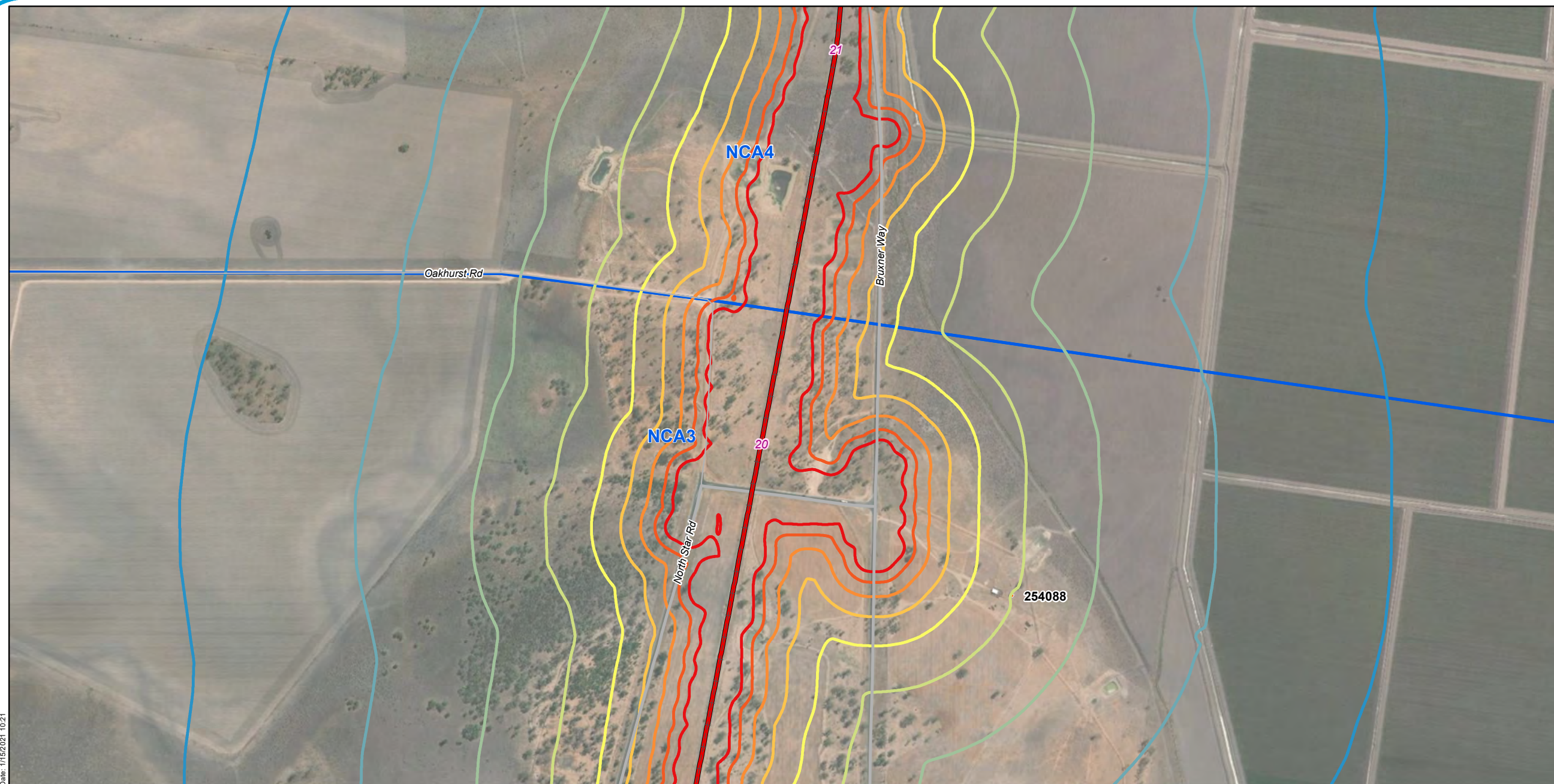
A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 12 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\JA3_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3 NCA4

Sensitive receivers

- Residential



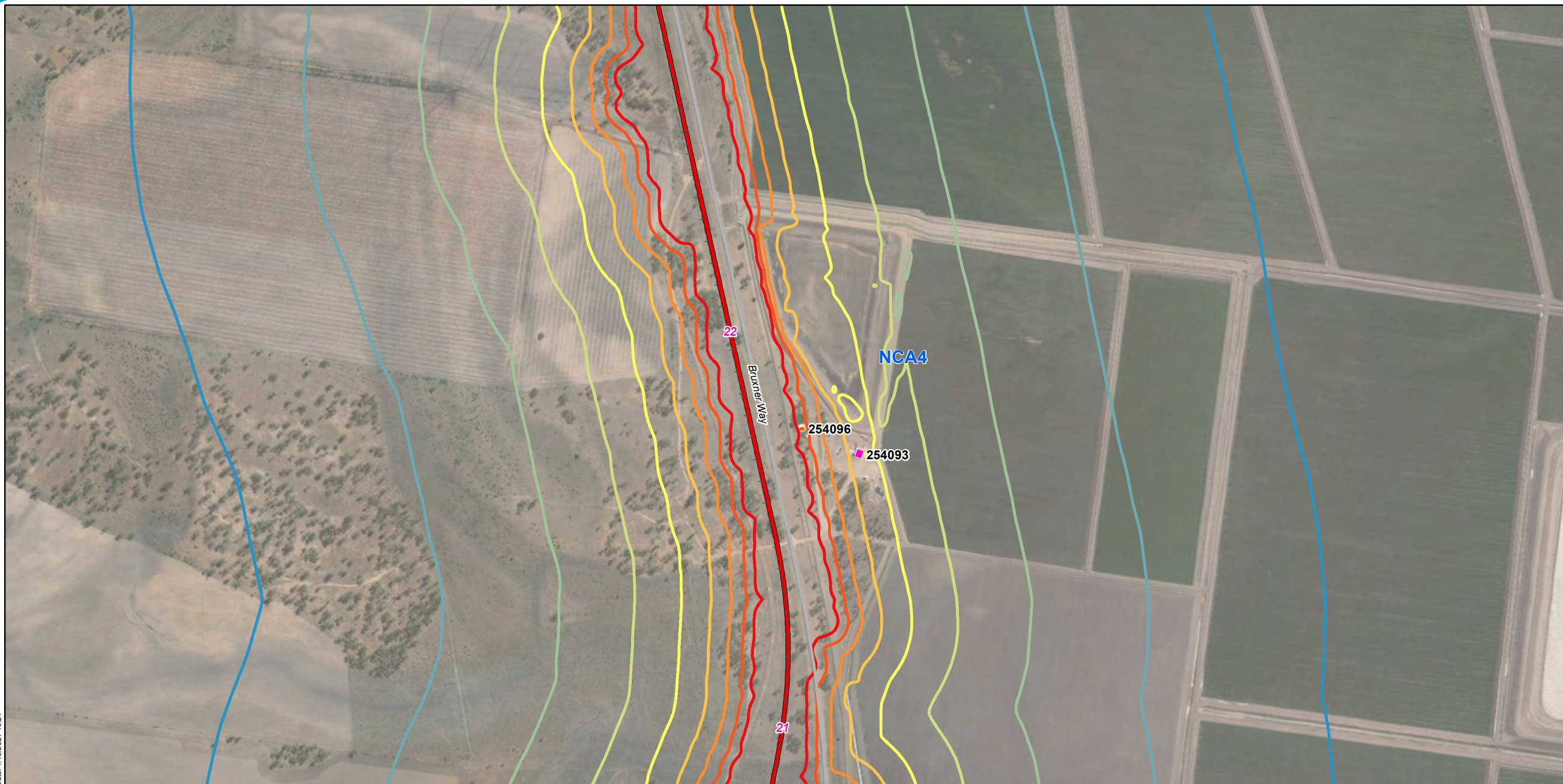
A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 13 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\067_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA4

Sensitive receivers

- Residential
- Shed



A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km

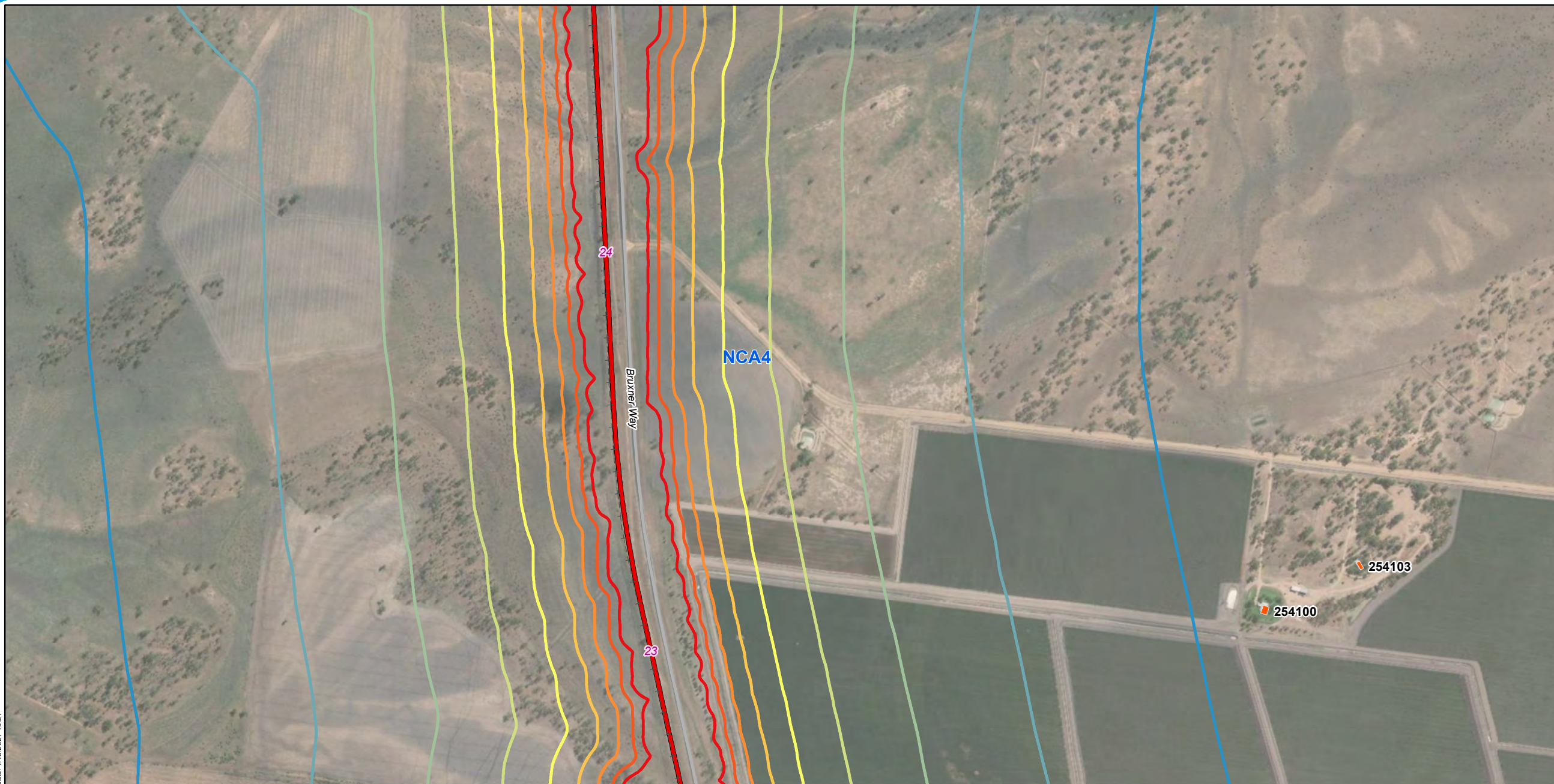


Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 14 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA4

Sensitive receivers

- Residential



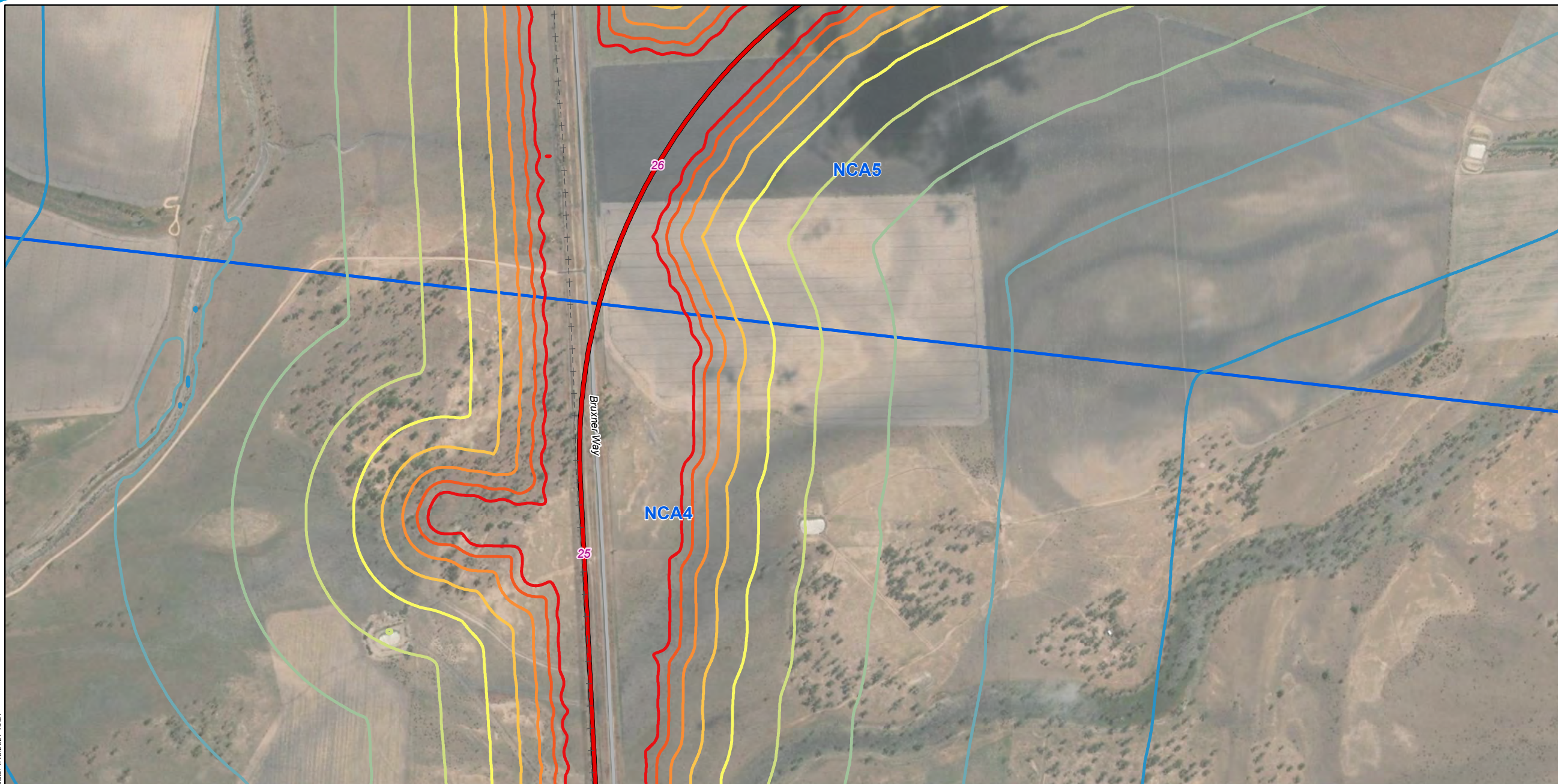
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 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 15 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

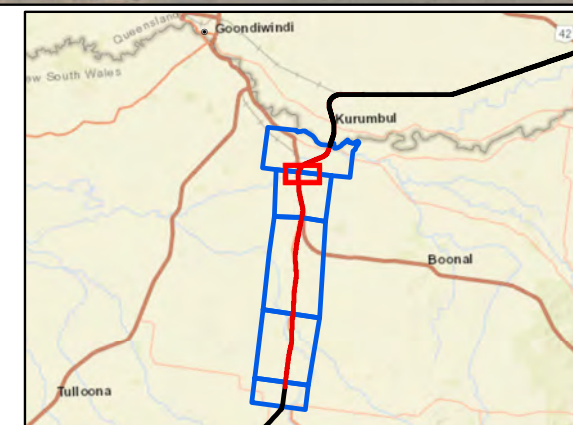
Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCAs



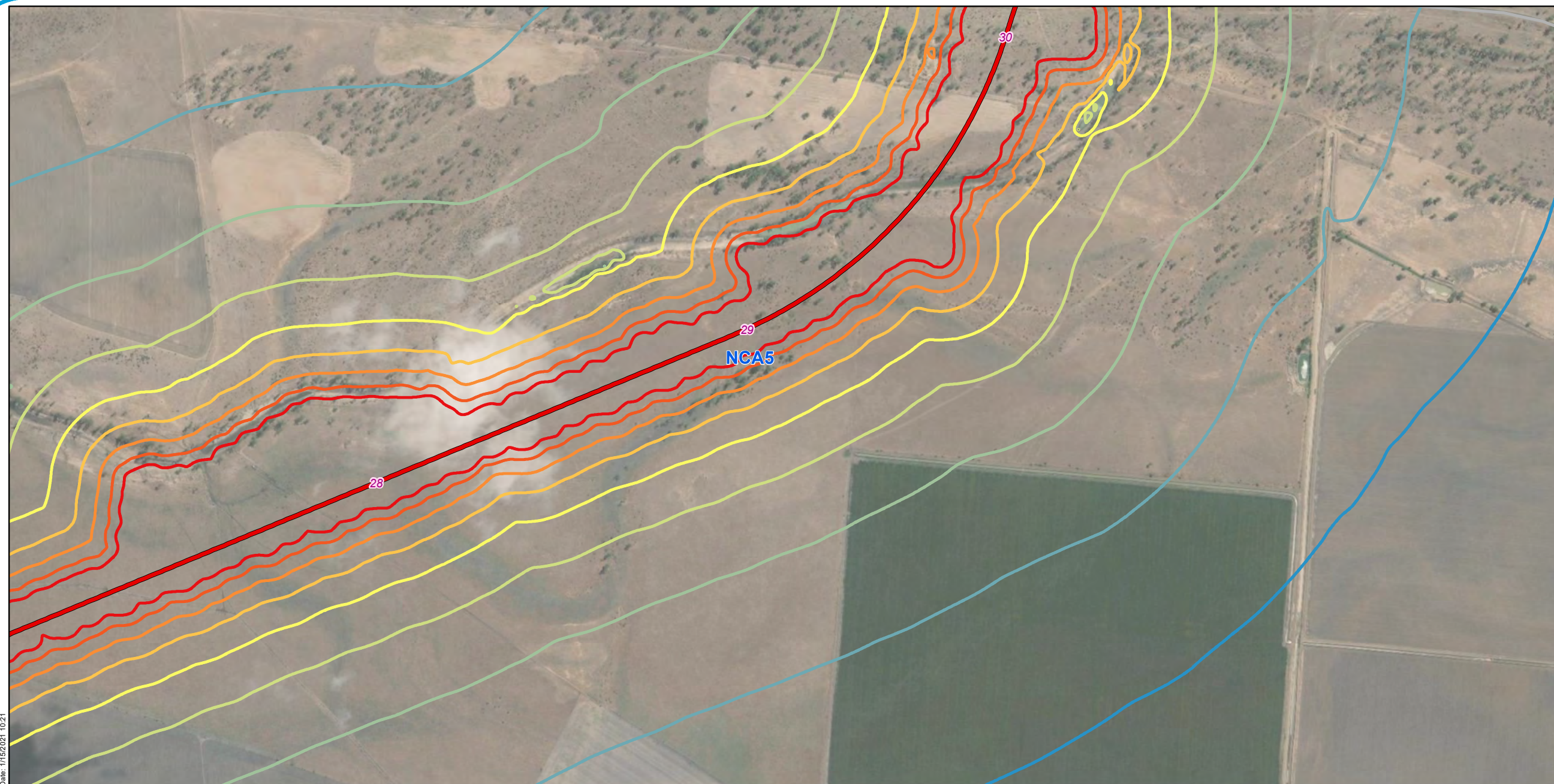
A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 16 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-201910110607_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCAs



A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km

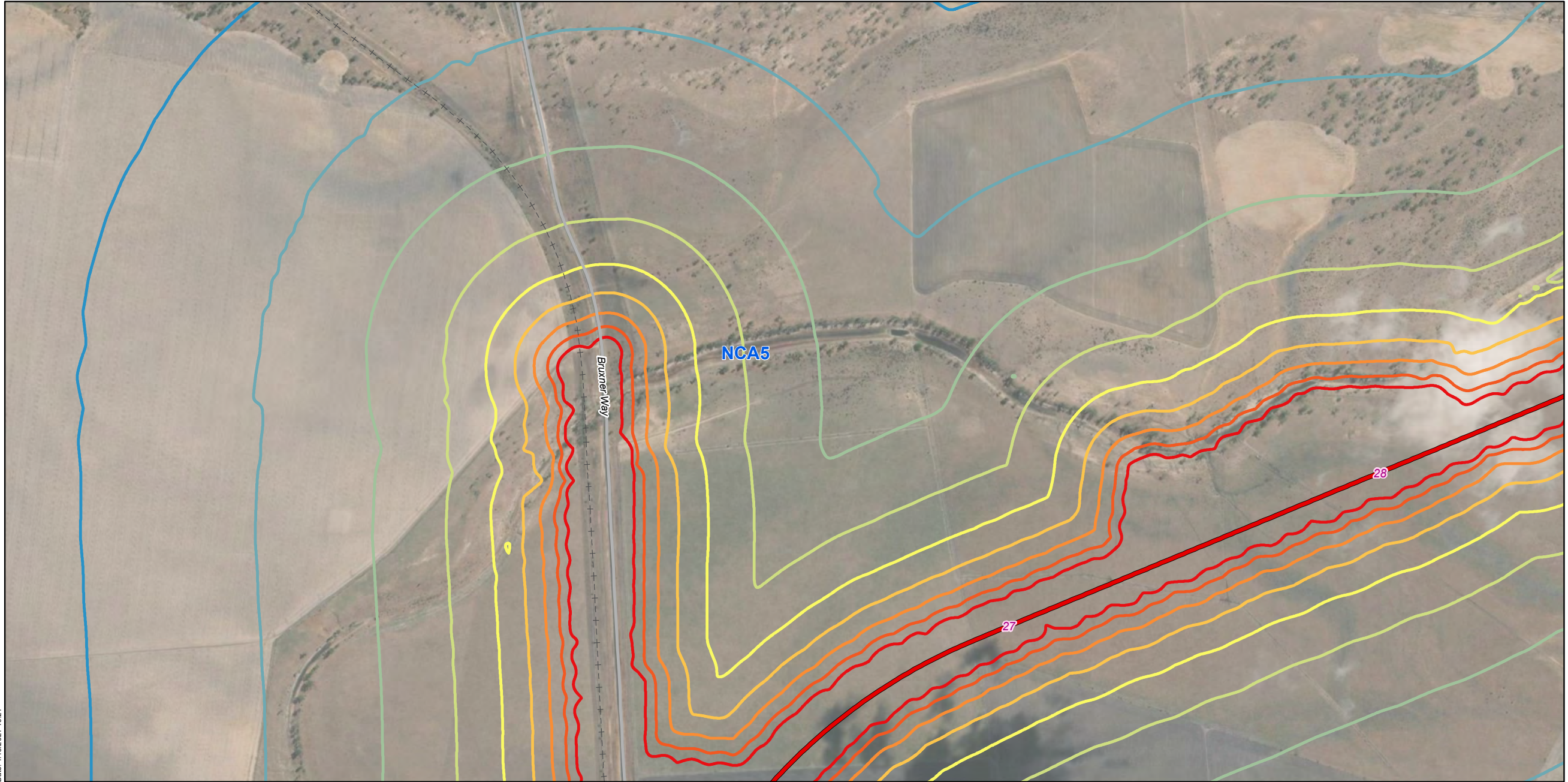


Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 17 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

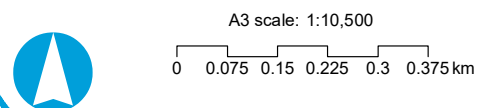
Sound Pressure Level

LA1, 1min, dB(A)

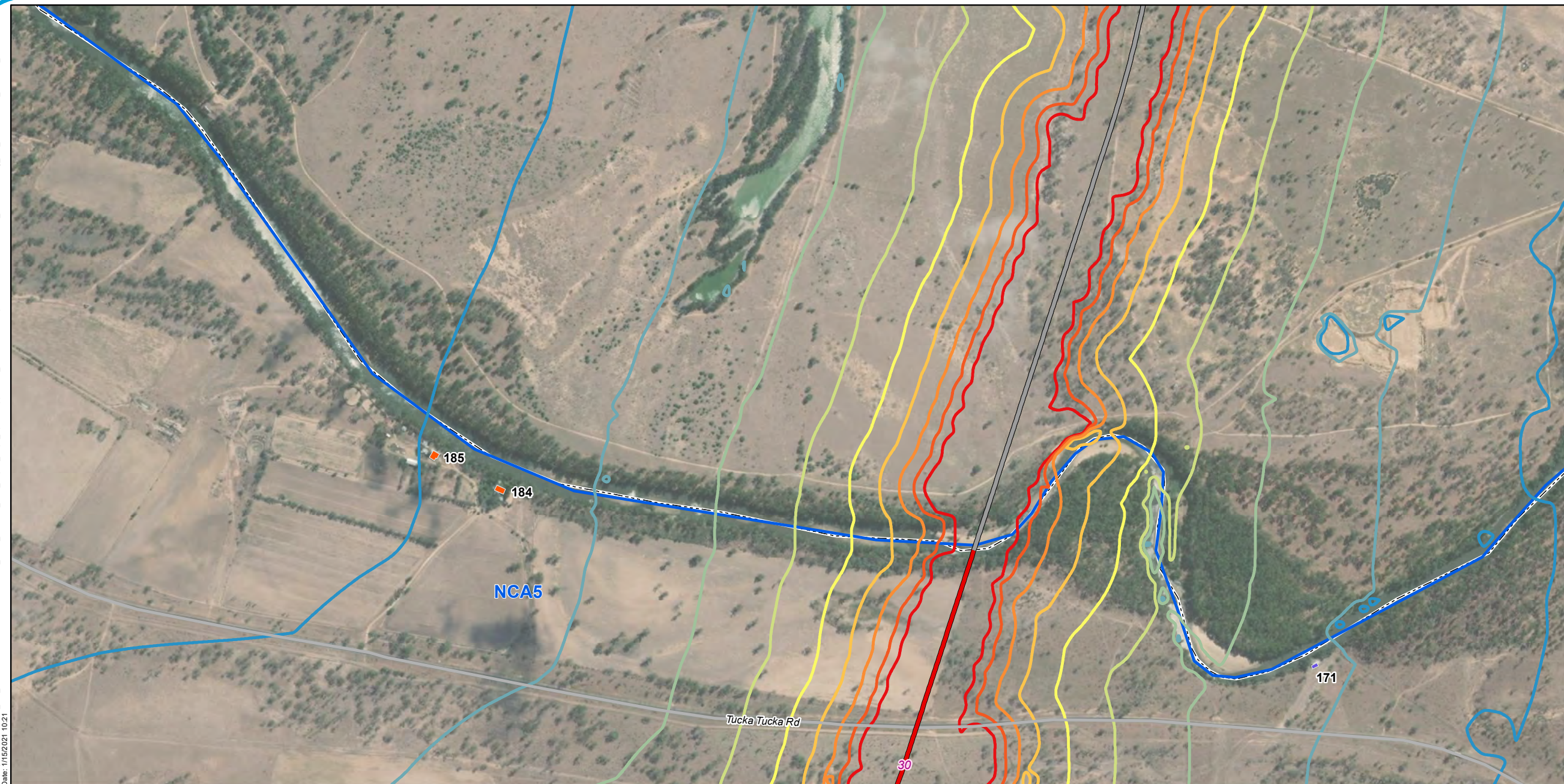
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs



Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Commissioning_and_reinstatement_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:21



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- Adjoining alignments
- Major roads
- NSW/QLD border

Sound Pressure Level

LA1, 1min, dB(A)

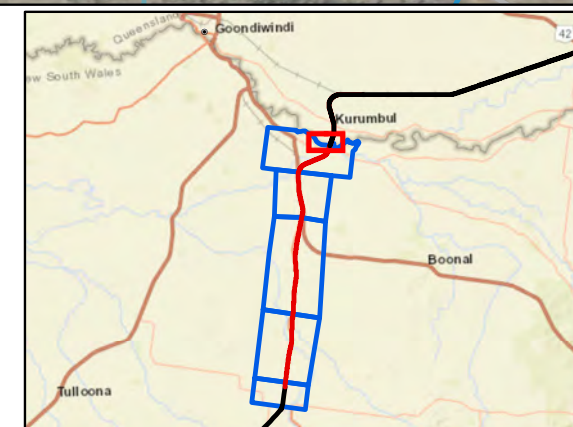
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5

Sensitive receivers

- Industrial
- Residential



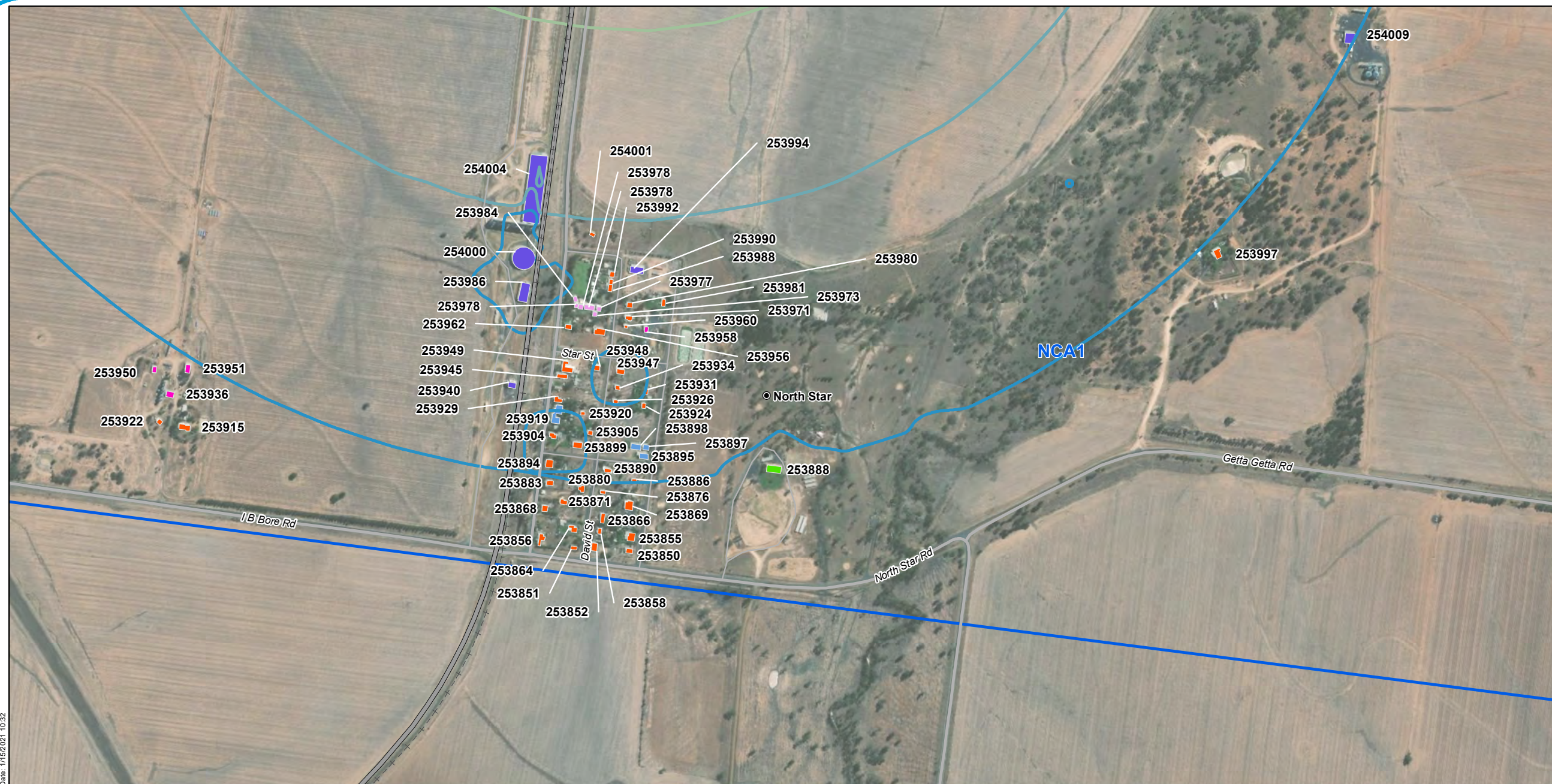
A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Commissioning and reinstatement (Map 19 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-201910110607_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- Localities
- Existing rail (non-operational)
- Adjoining alignments
- Major roads
- Minor roads

Sound Pressure Level

$L_{A1, 1min}$, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA's

Sensitive receivers

- Active Recreation
- Commercial
- Industrial
- Residential
- School
- Shed



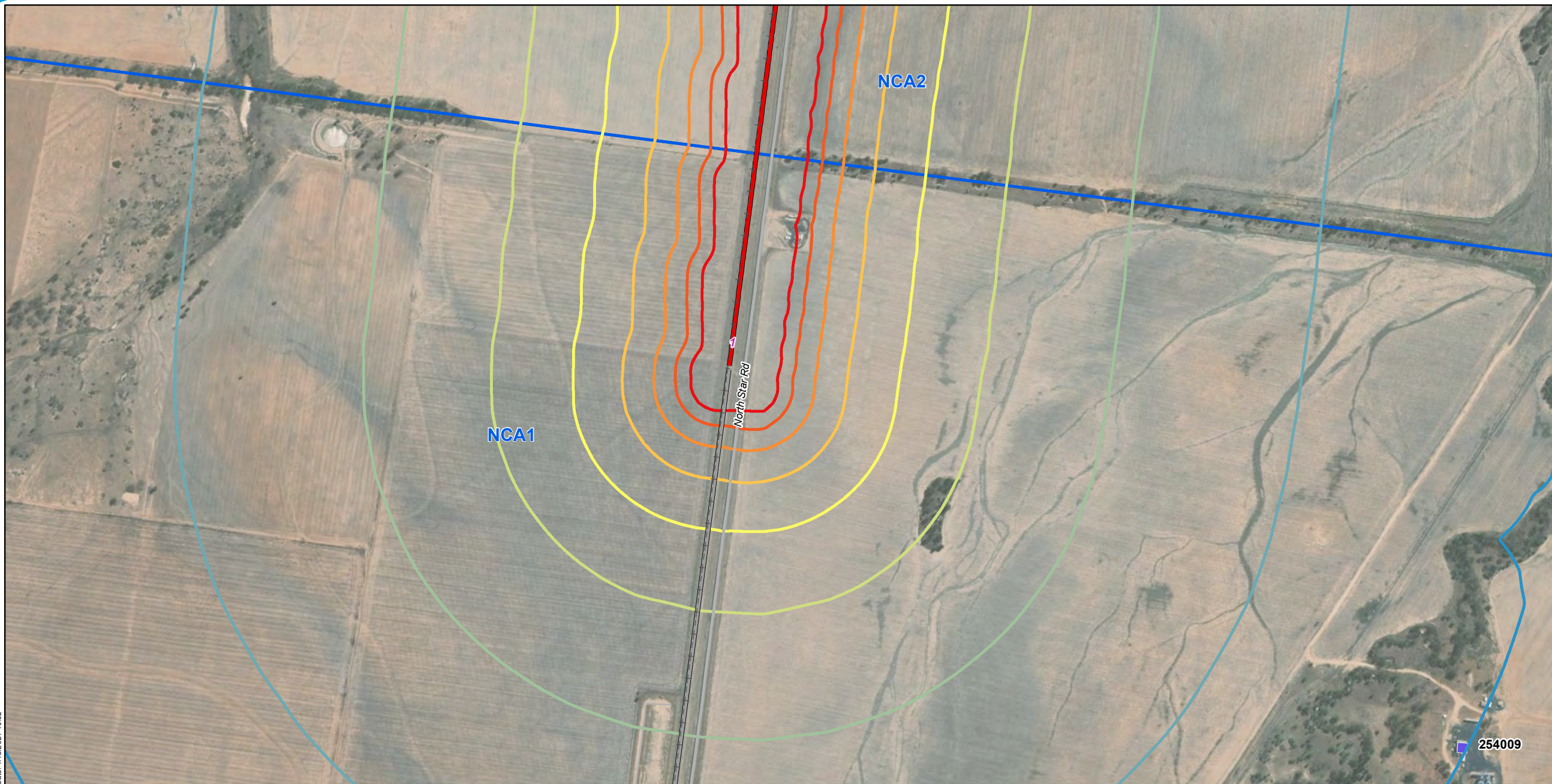
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0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 1 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Adjoining alignments
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA1 NCA2

Sensitive receivers

- Industrial



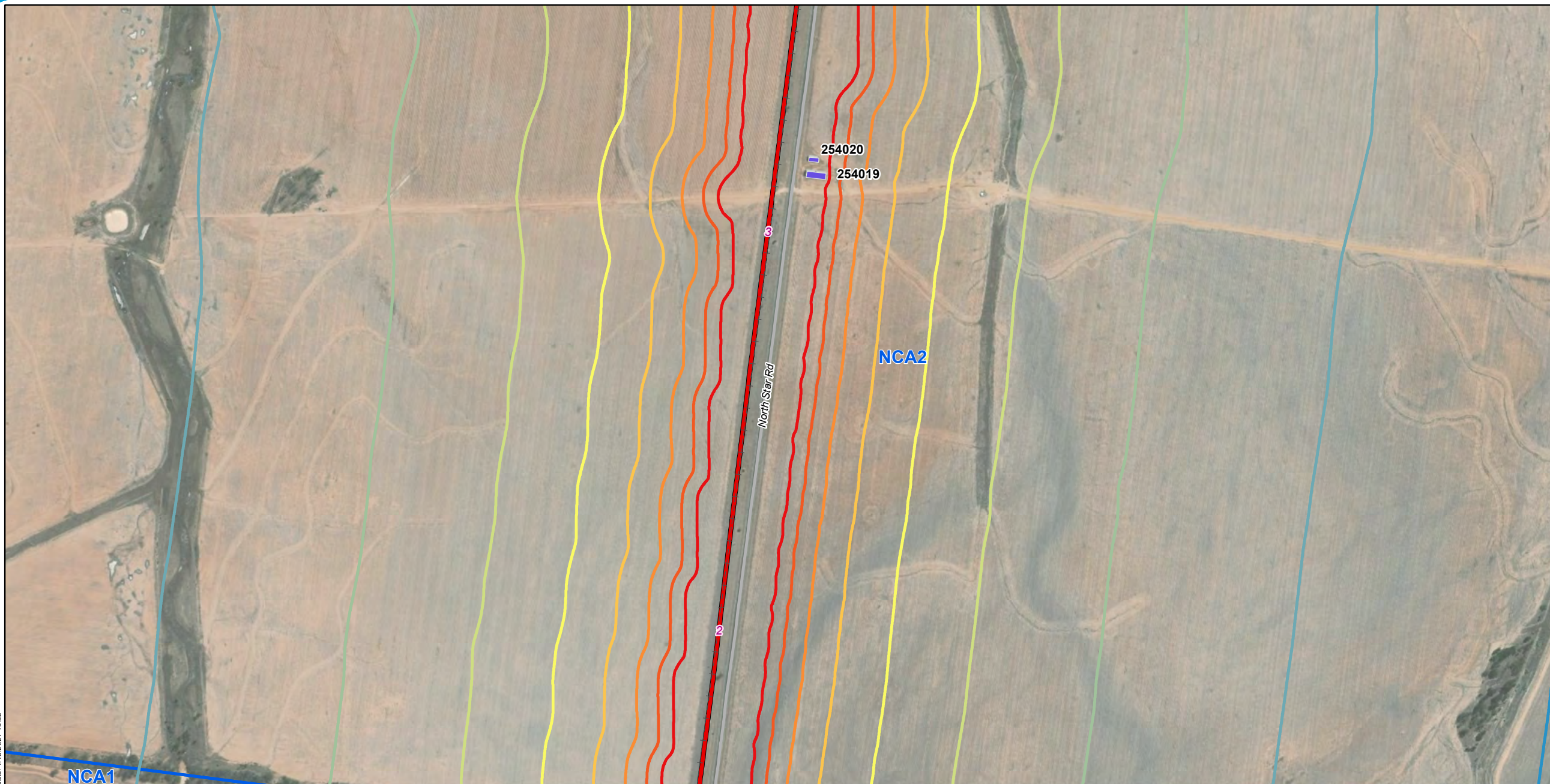
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 2 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-201910110607_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA's

Sensitive receivers

Industrial



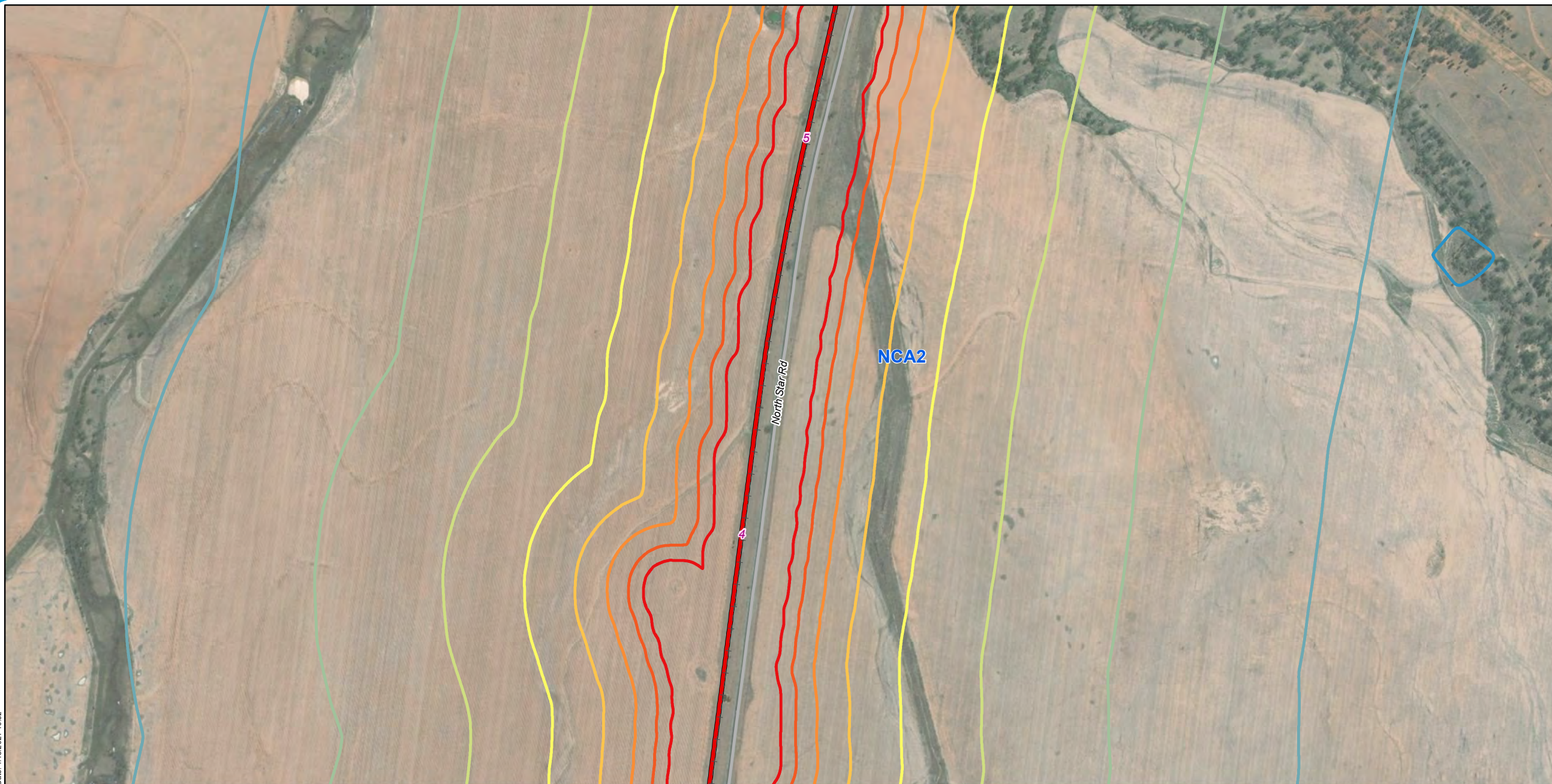
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 3 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA2



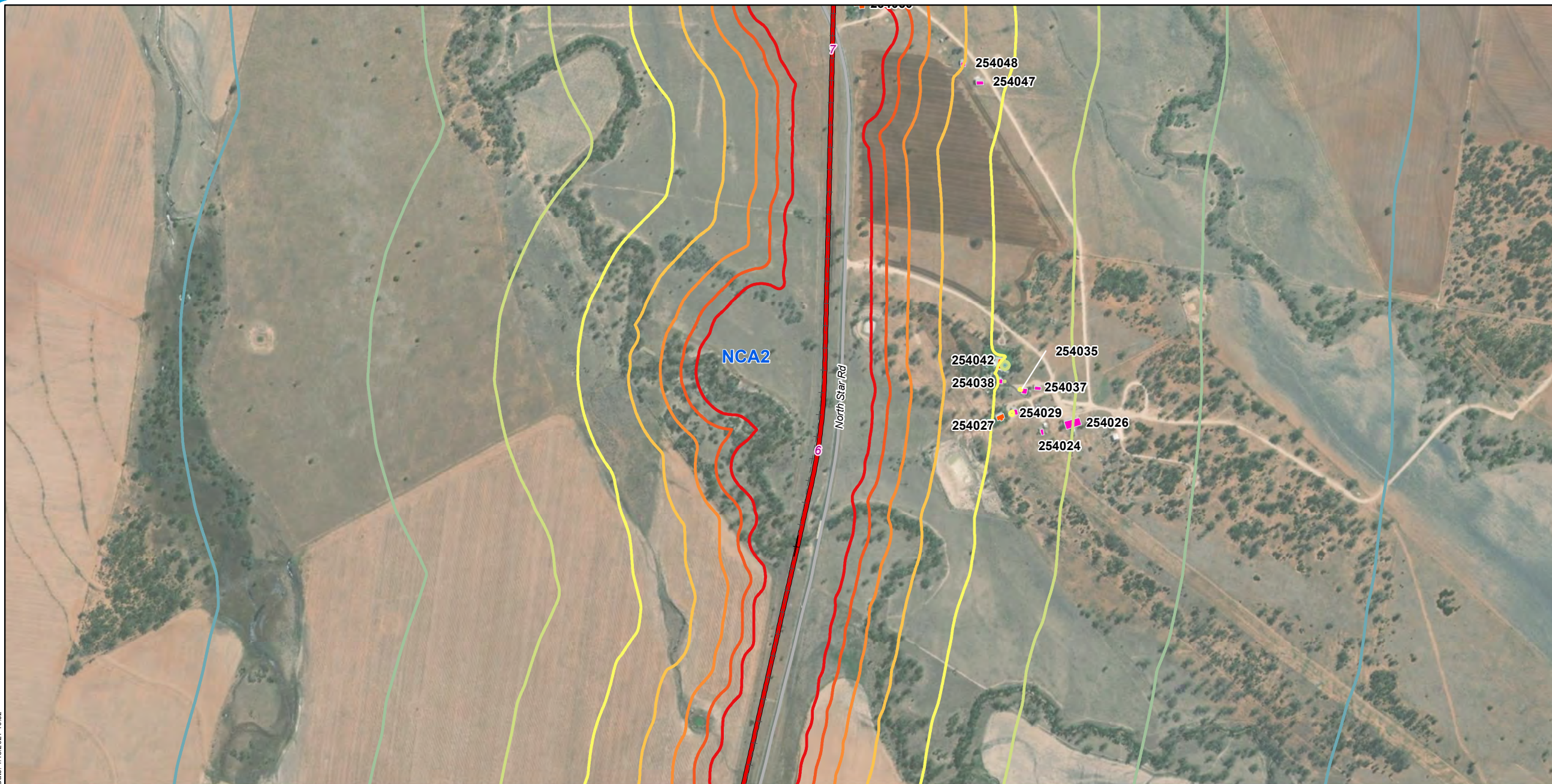
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 4 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\067_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- Existing rail (operational)
- Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

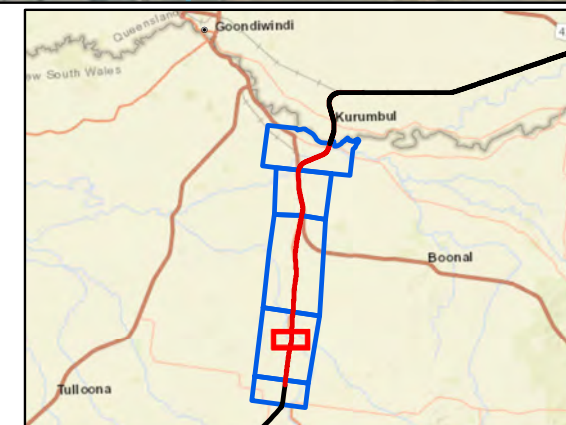
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA

Sensitive receivers

- Residential
- Shed



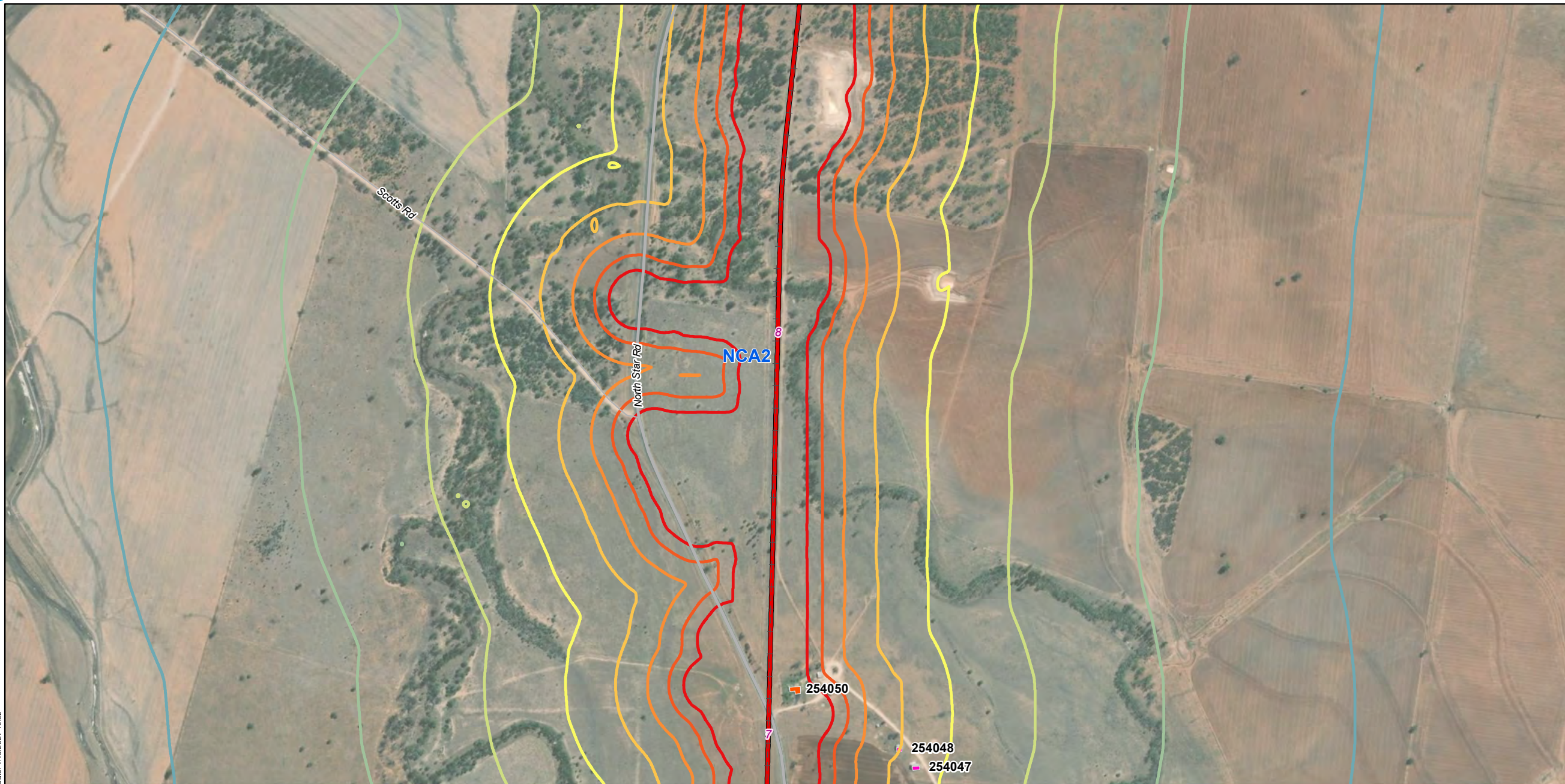
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Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 5 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA's

Sensitive receivers

- Residential
- Shed



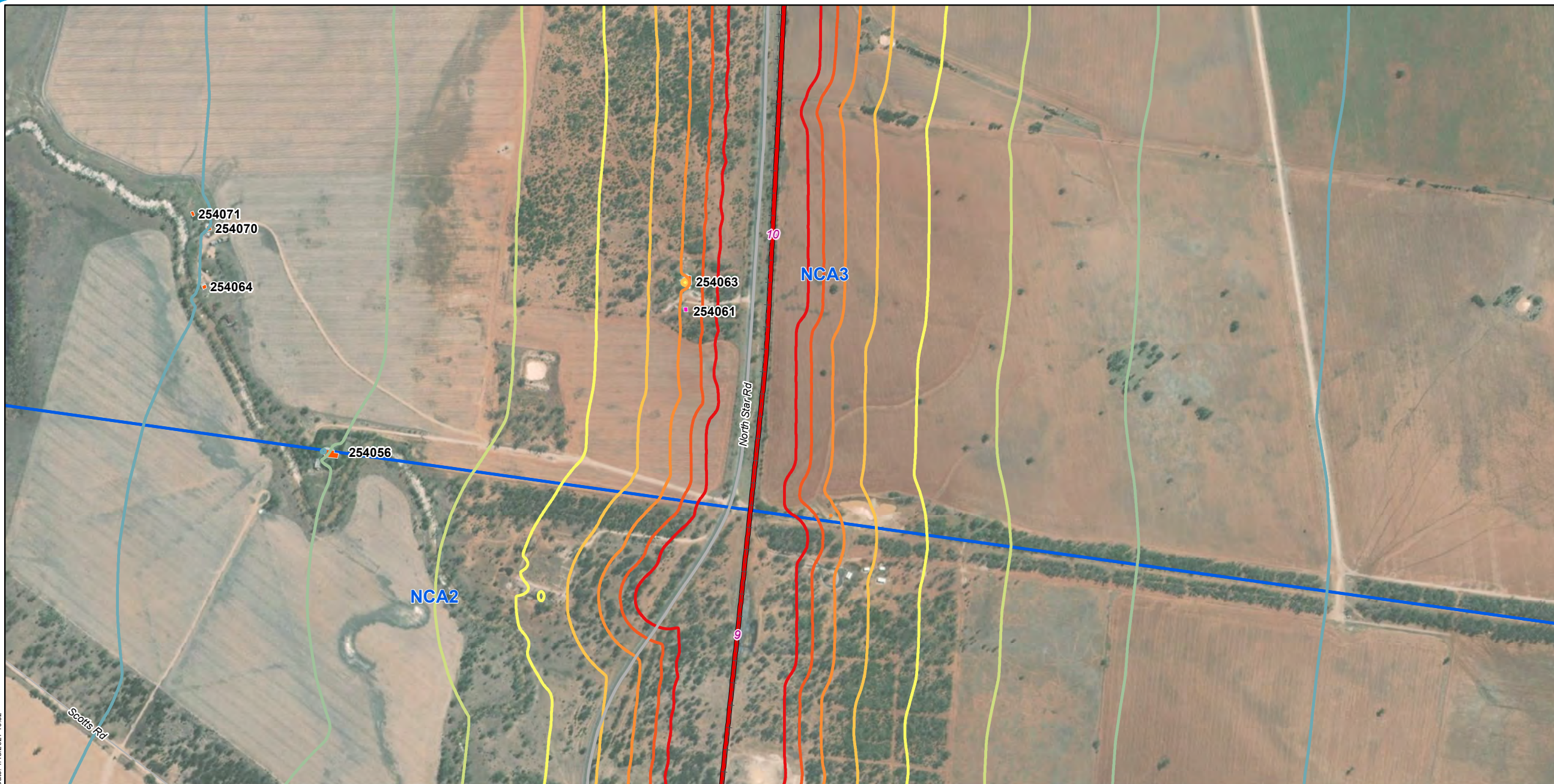
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 6 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA2

Sensitive receivers

- Residential
- Shed



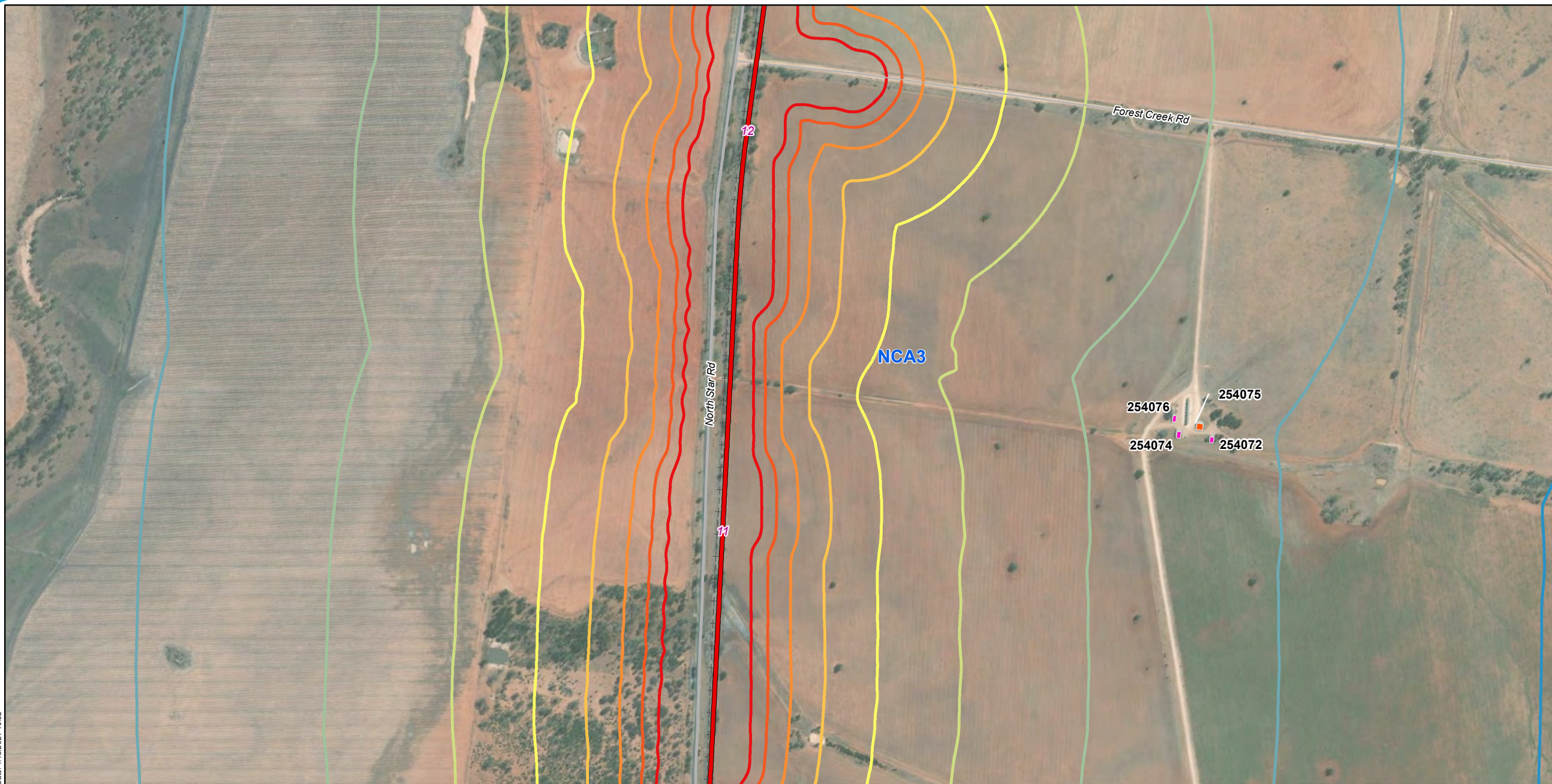
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 7 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\067_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3

Sensitive receivers

- Residential
- Shed



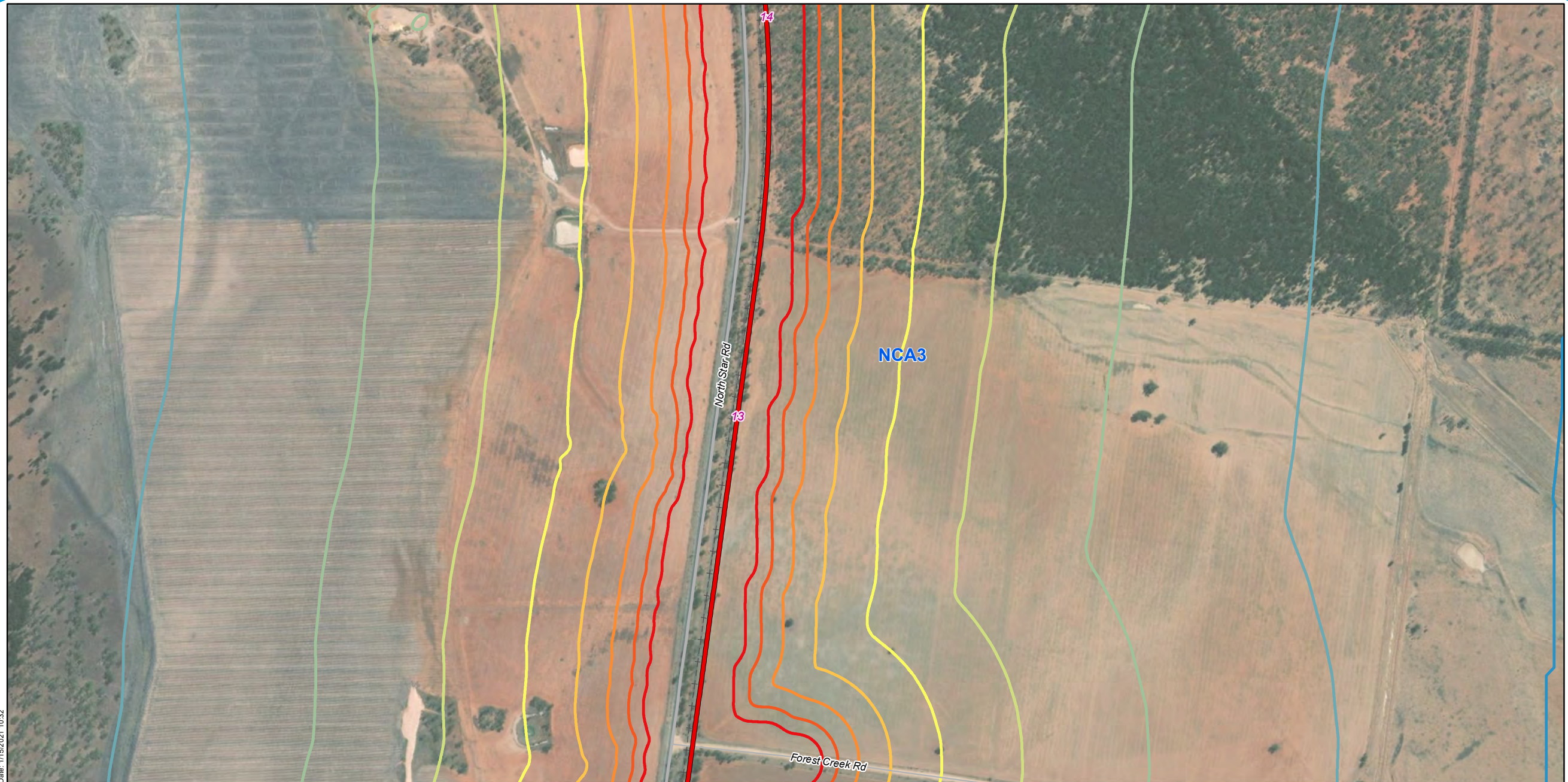
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 8 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3



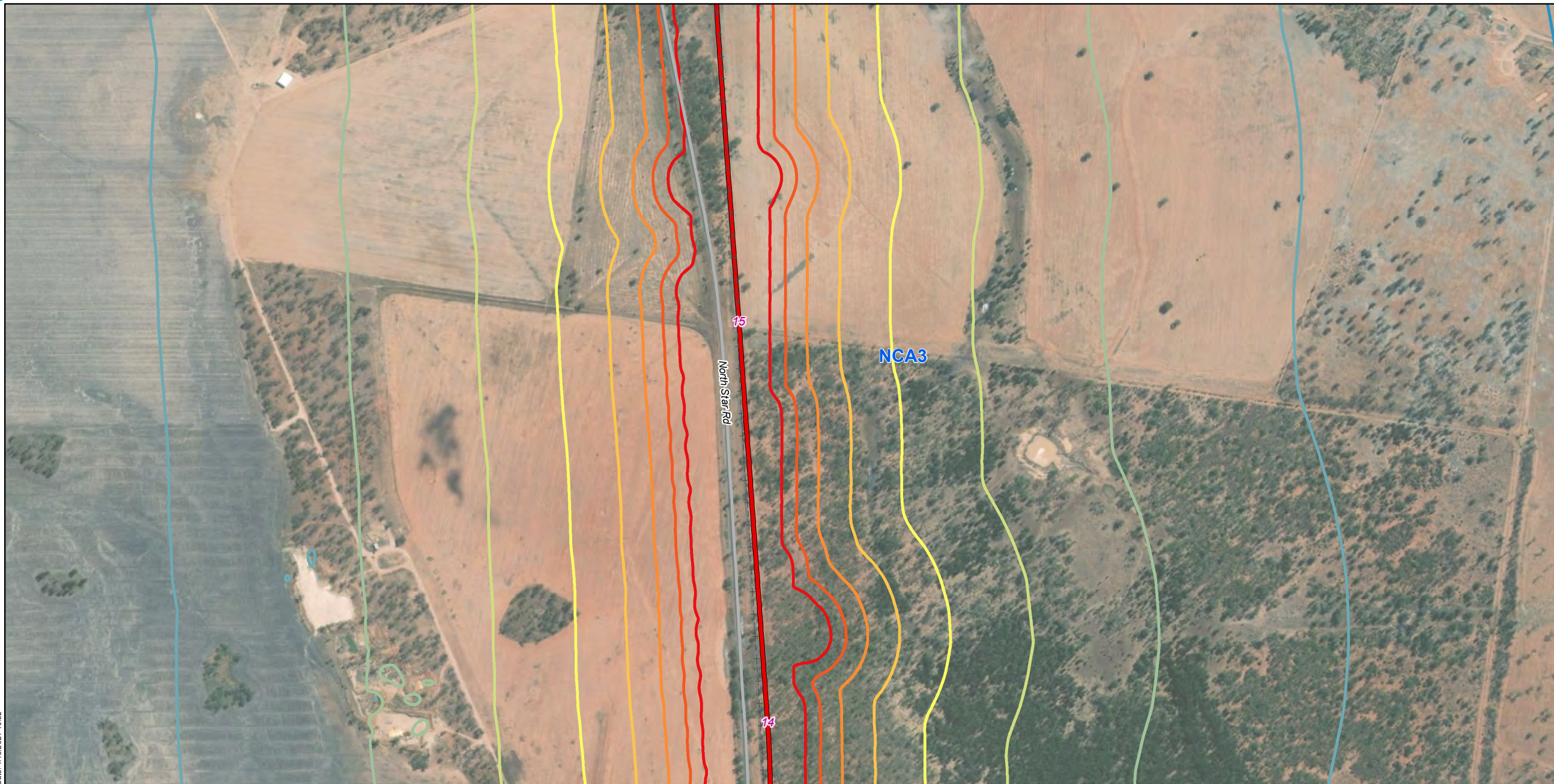
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Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 9 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\067_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3



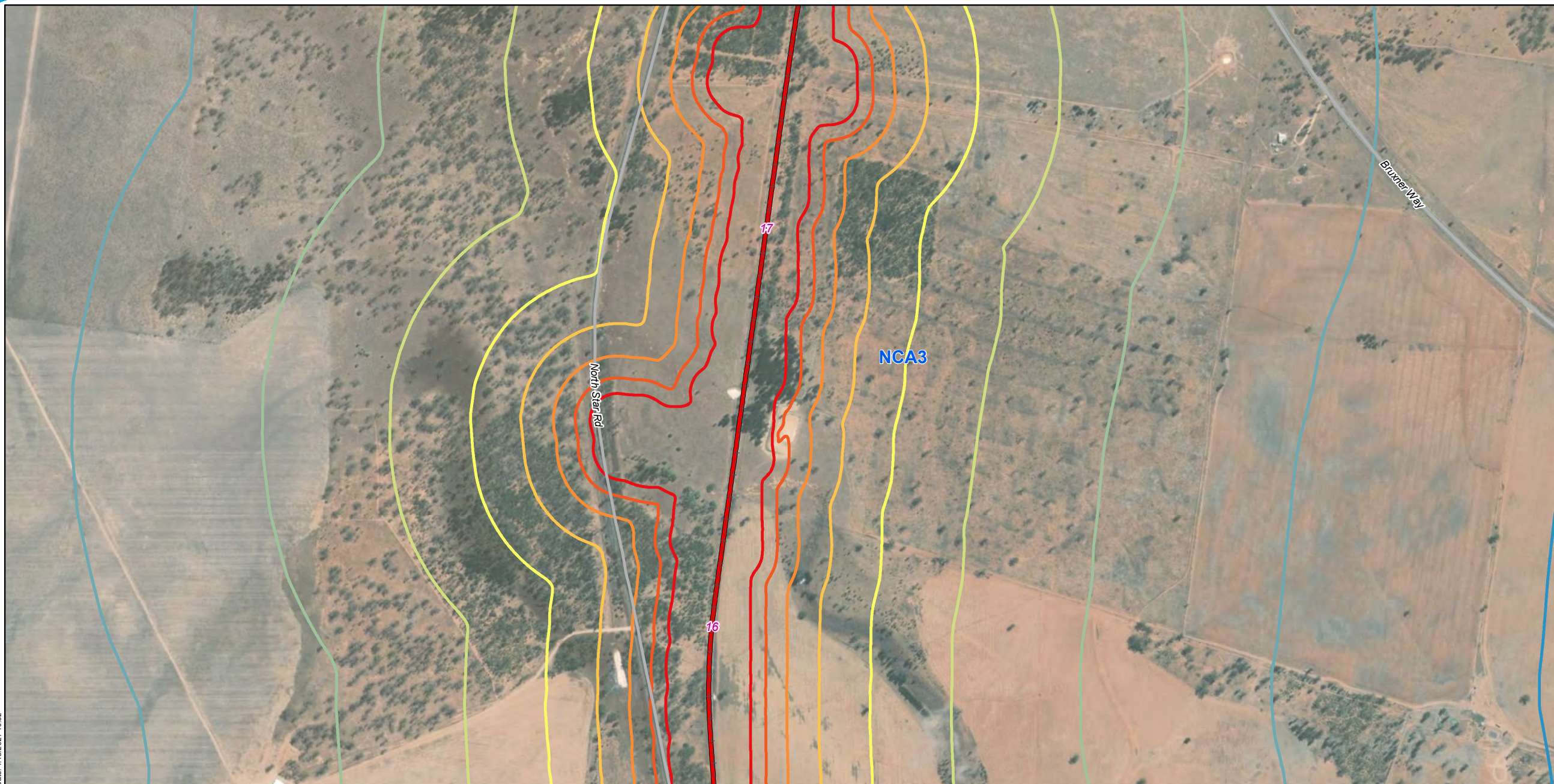
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 10 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-201910110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3



A3 scale: 1:10,500
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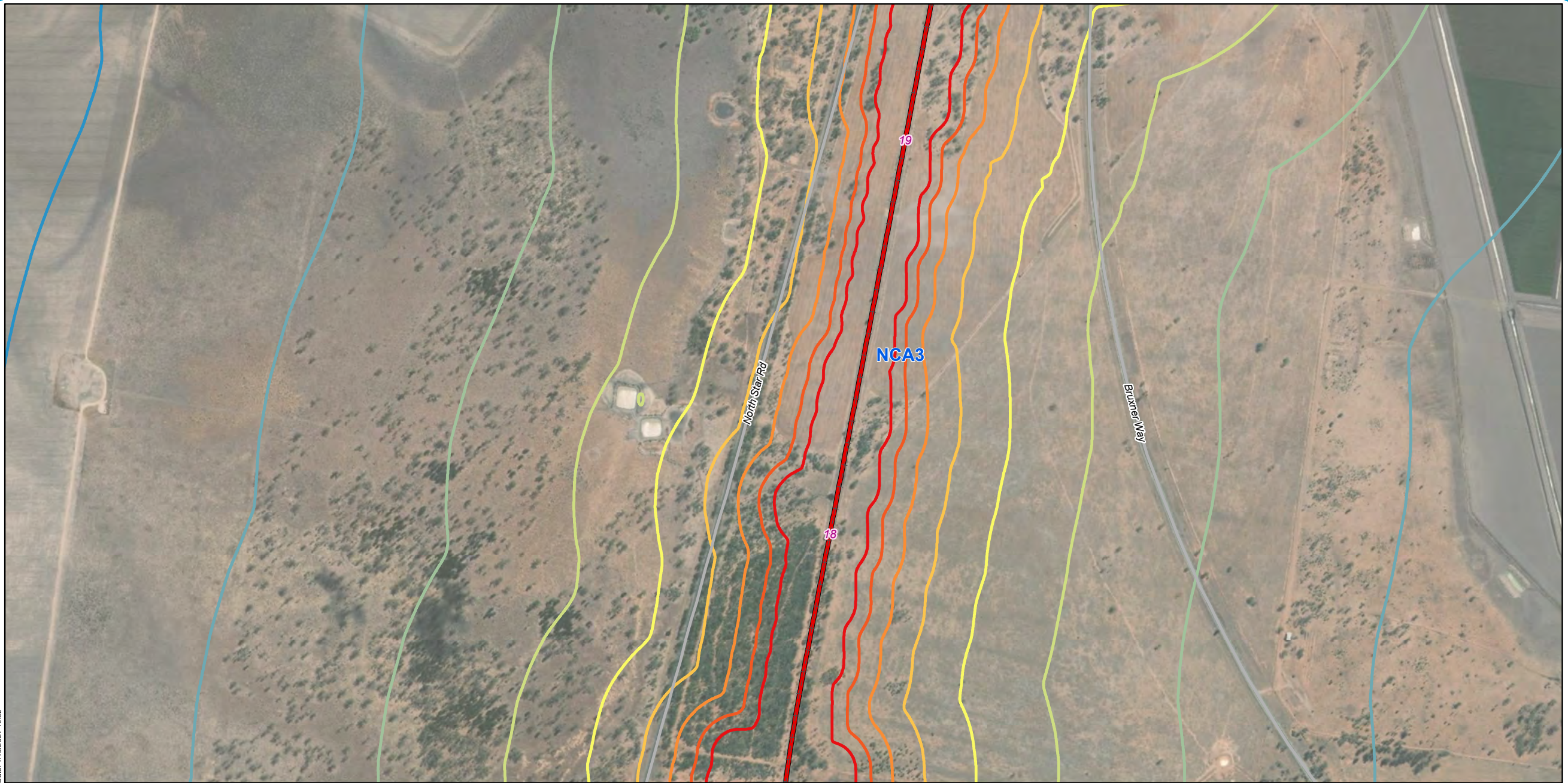


Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 11 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCAs



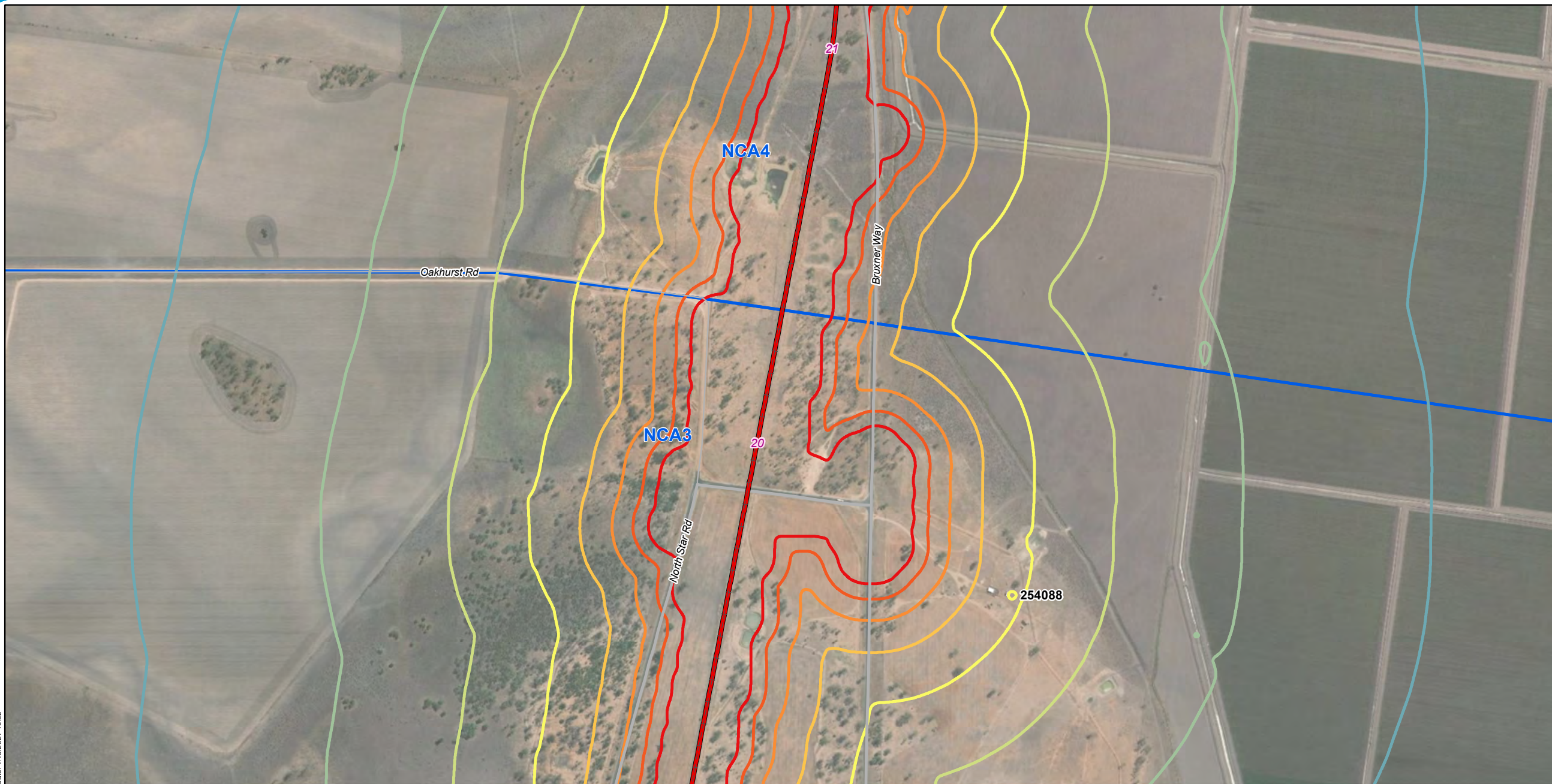
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 12 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5

Sensitive receivers

- Residential



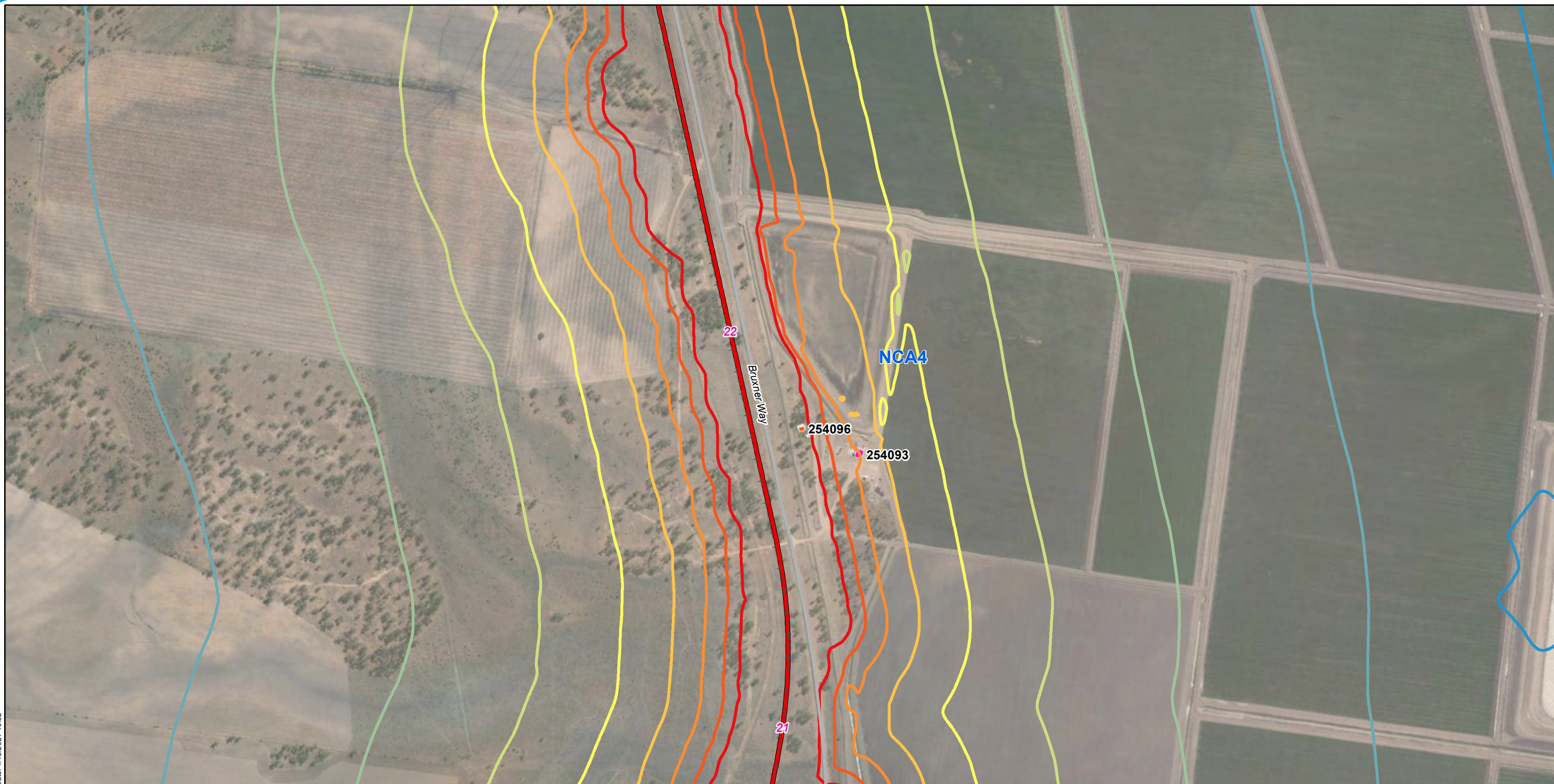
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 13 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA4

Sensitive receivers

- Residential
- Shed



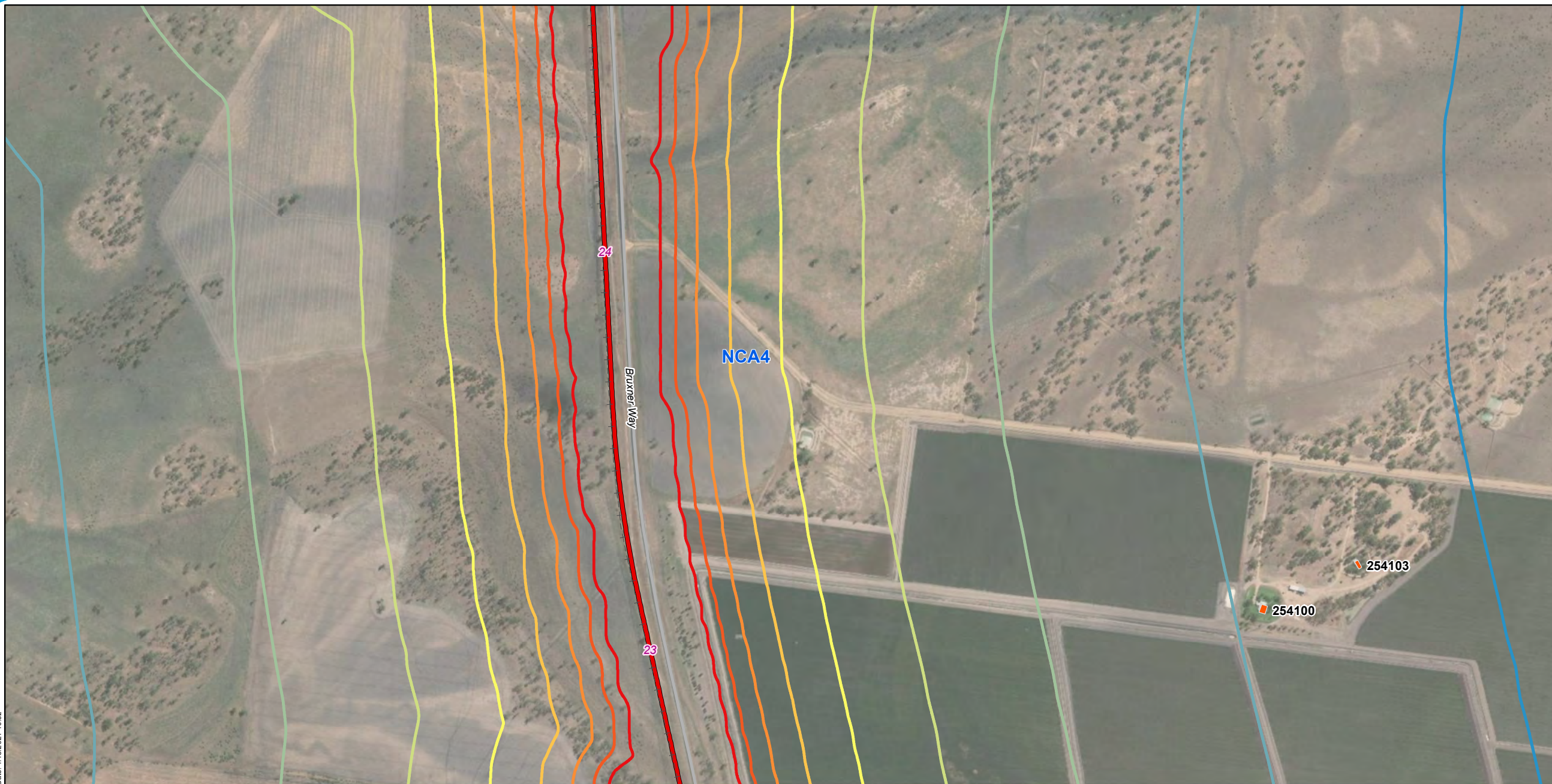
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 14 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
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Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA4

Sensitive receivers

- Residential



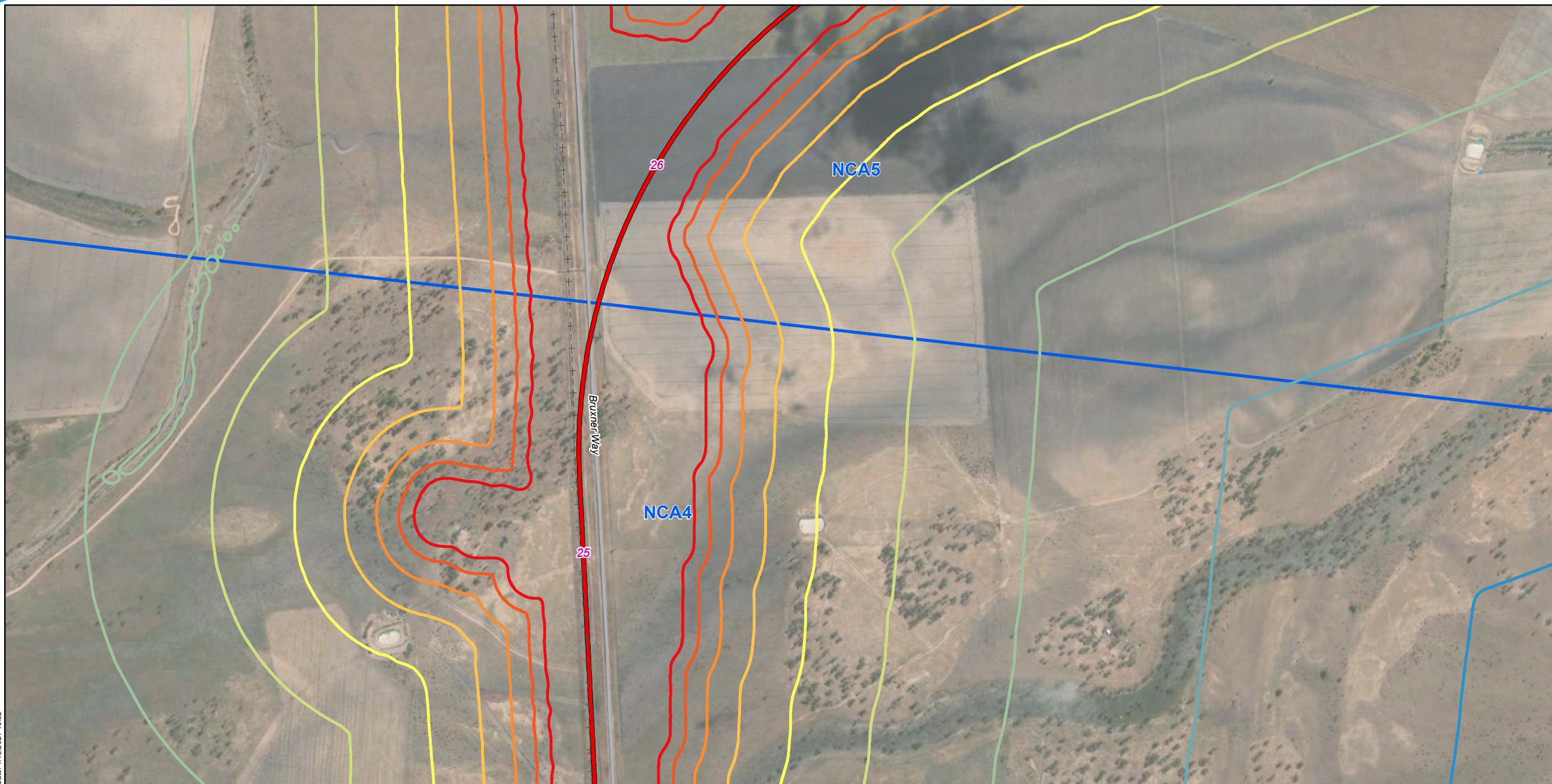
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 15 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
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Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5

NCA4



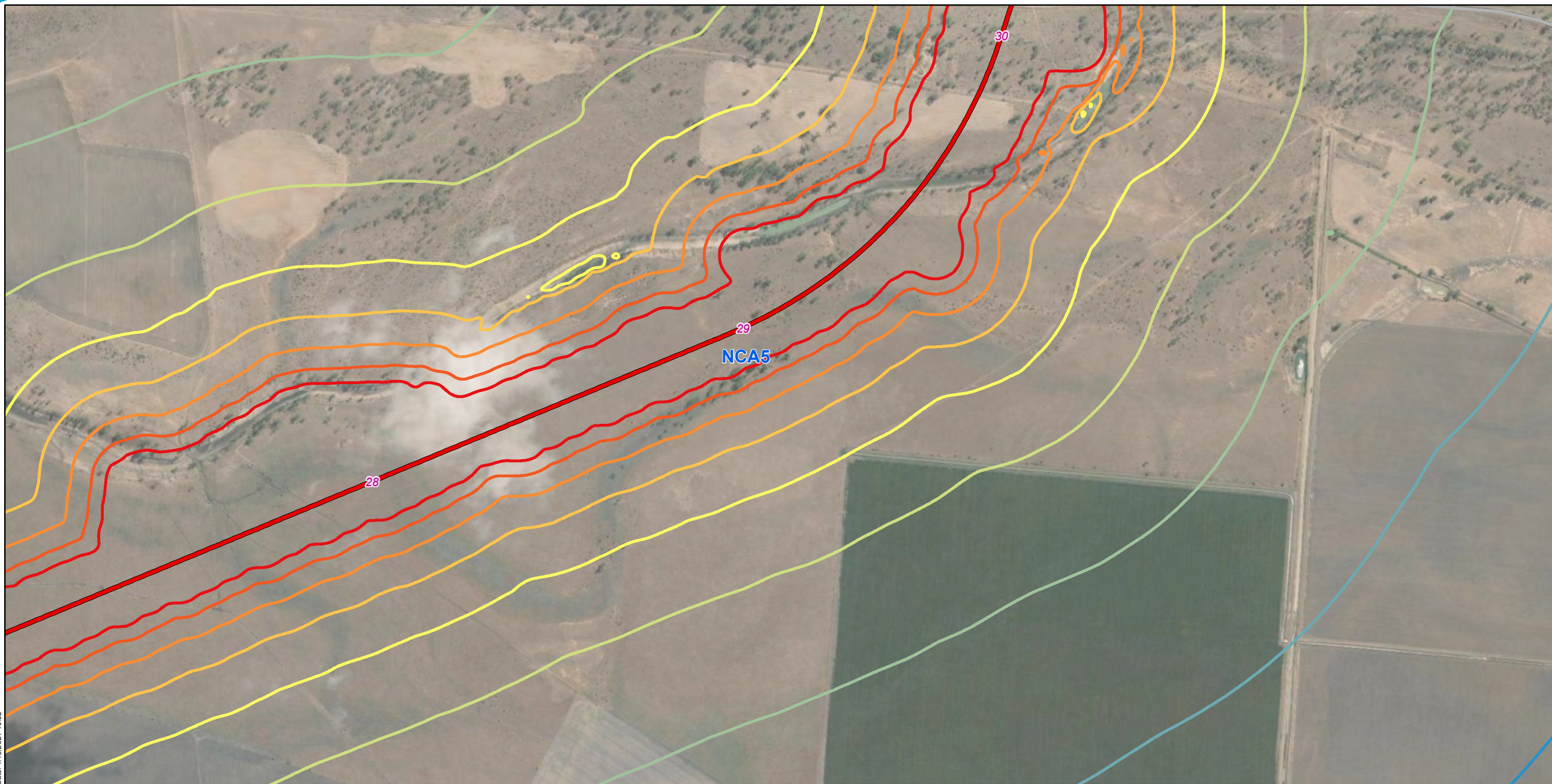
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 16 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
 Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5



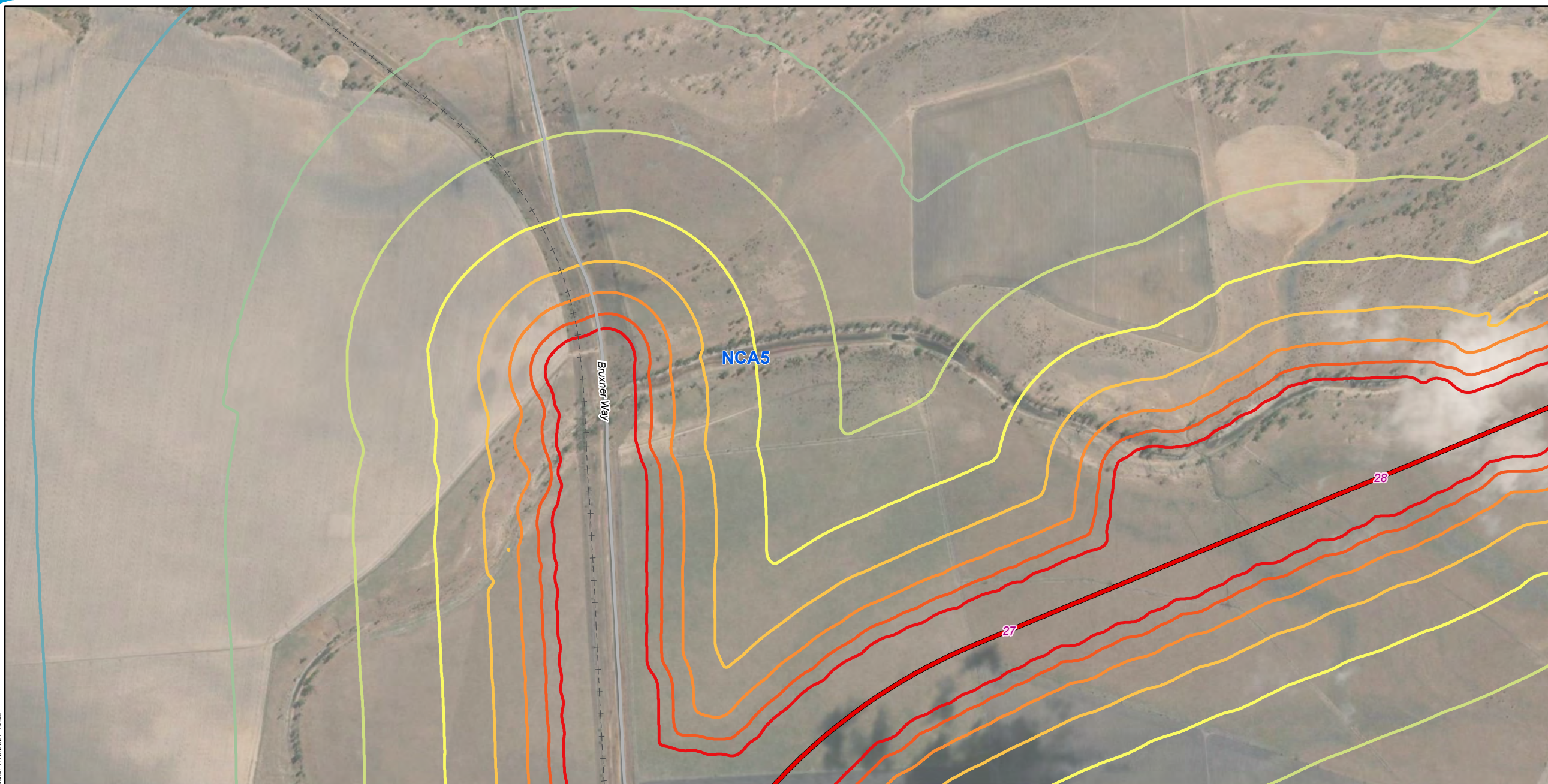
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 17 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
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Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5



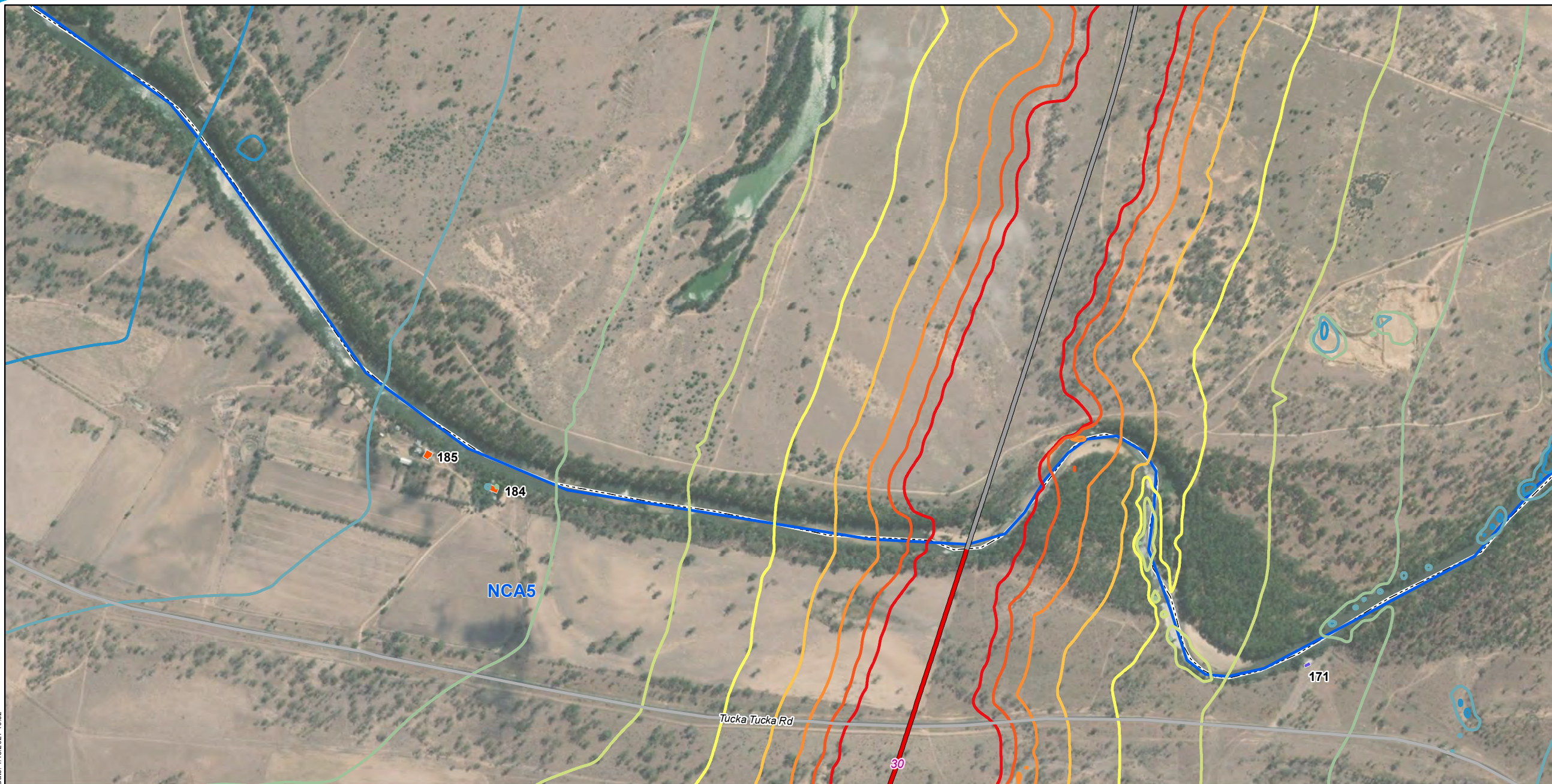
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 18 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Drainage_and_earthworks_FF\VA3_rev1.mxd
Date: 1/15/2021 10:32



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- Adjoining alignments
- Major roads
- NSW/QLD border

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5

Sensitive receivers

- Industrial
- Residential



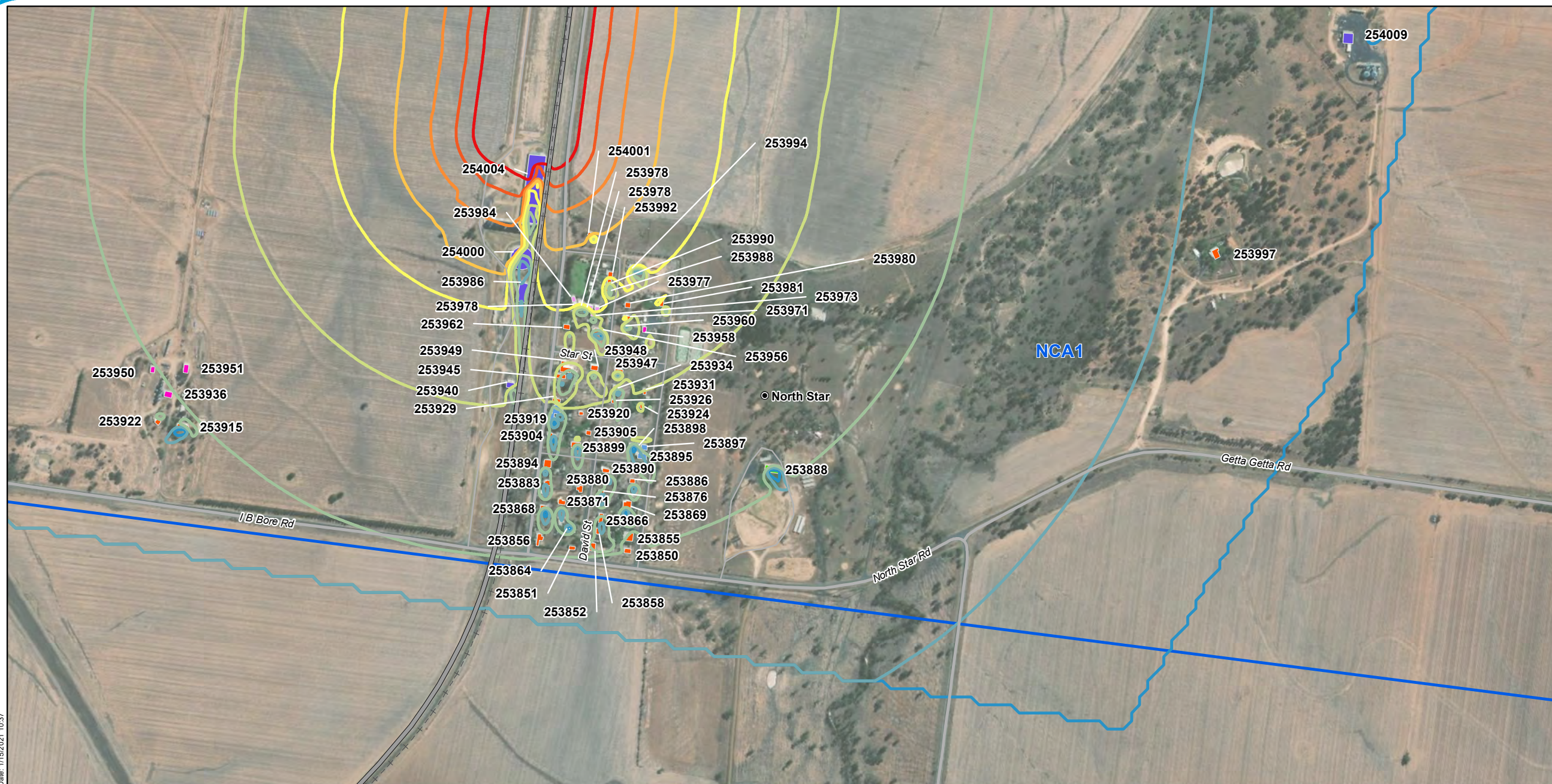
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Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Drainage works and earthworks (Map 19 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\067_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
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Legend

- 5 Chainage (km)
- Localities
- Existing rail (non-operational)
- Adjoining alignments
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs

Sensitive receivers

- Active Recreation
- Commercial
- Industrial
- Residential
- School
- Shed



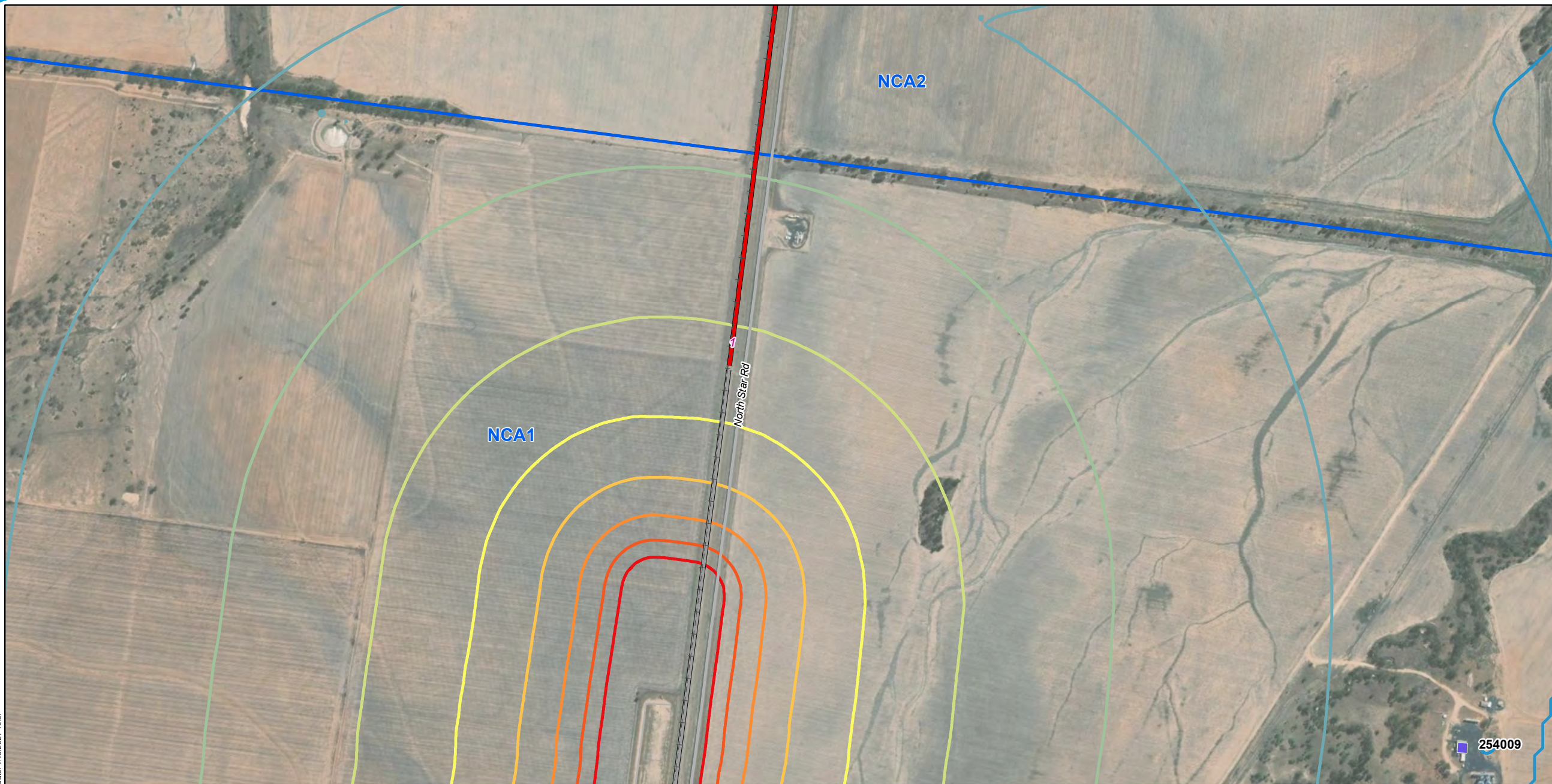
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 1 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
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Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Adjoining alignments
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA1

Sensitive receivers

Industrial



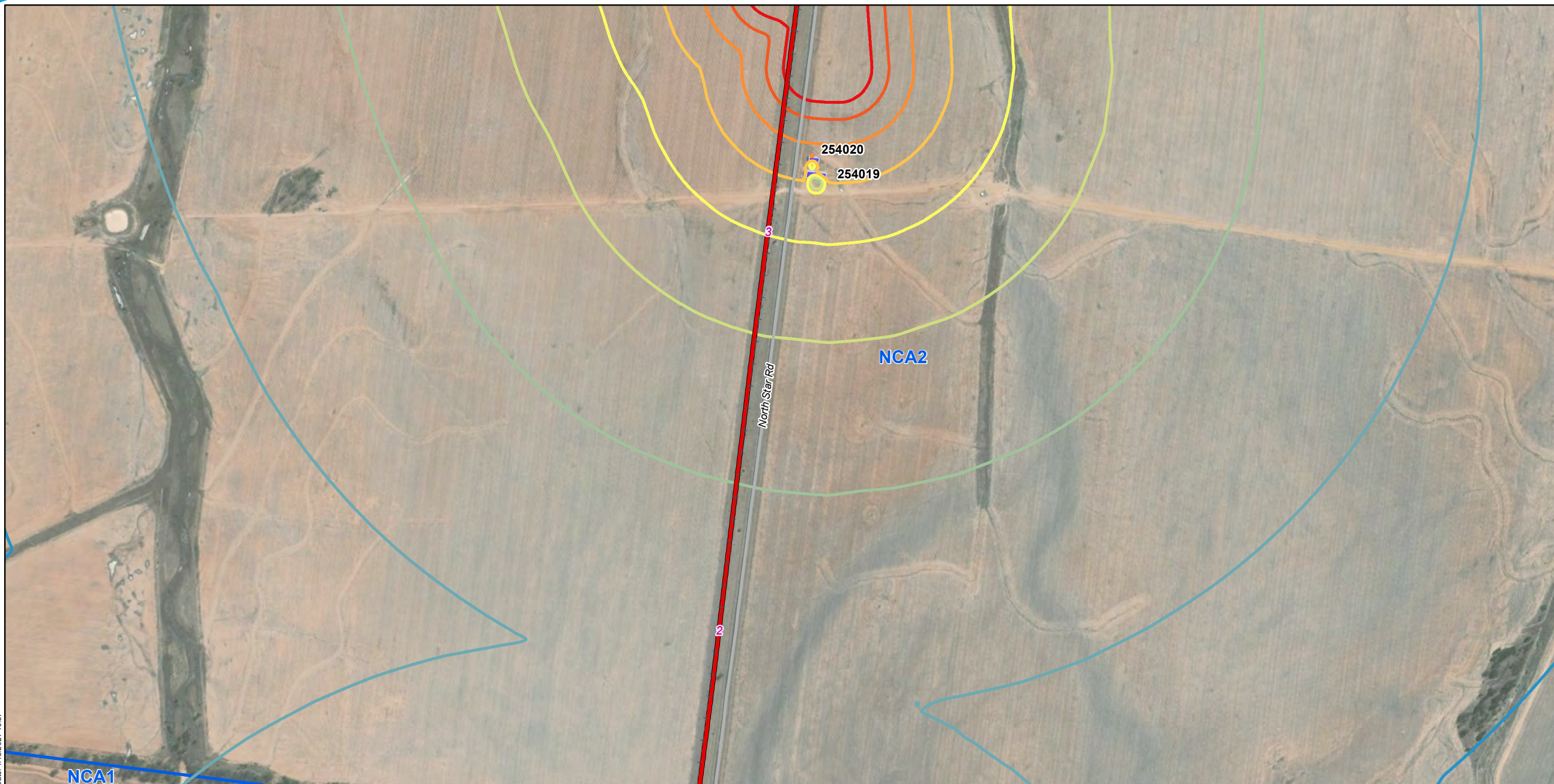
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Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Appendix C: Construction sleep disturbance noise contours -
Site setup and laydowns (Map 2 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-201910110607_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
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Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

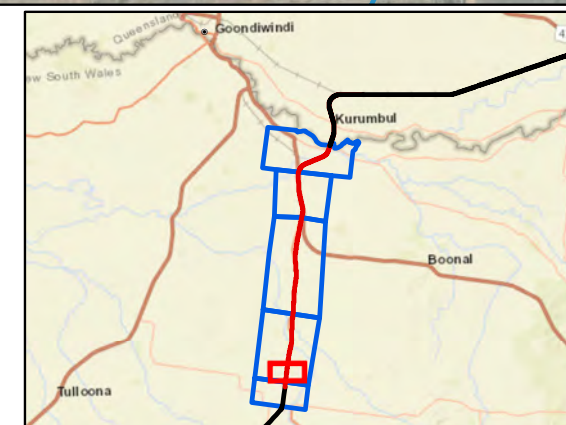
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA's

Sensitive receivers

Industrial



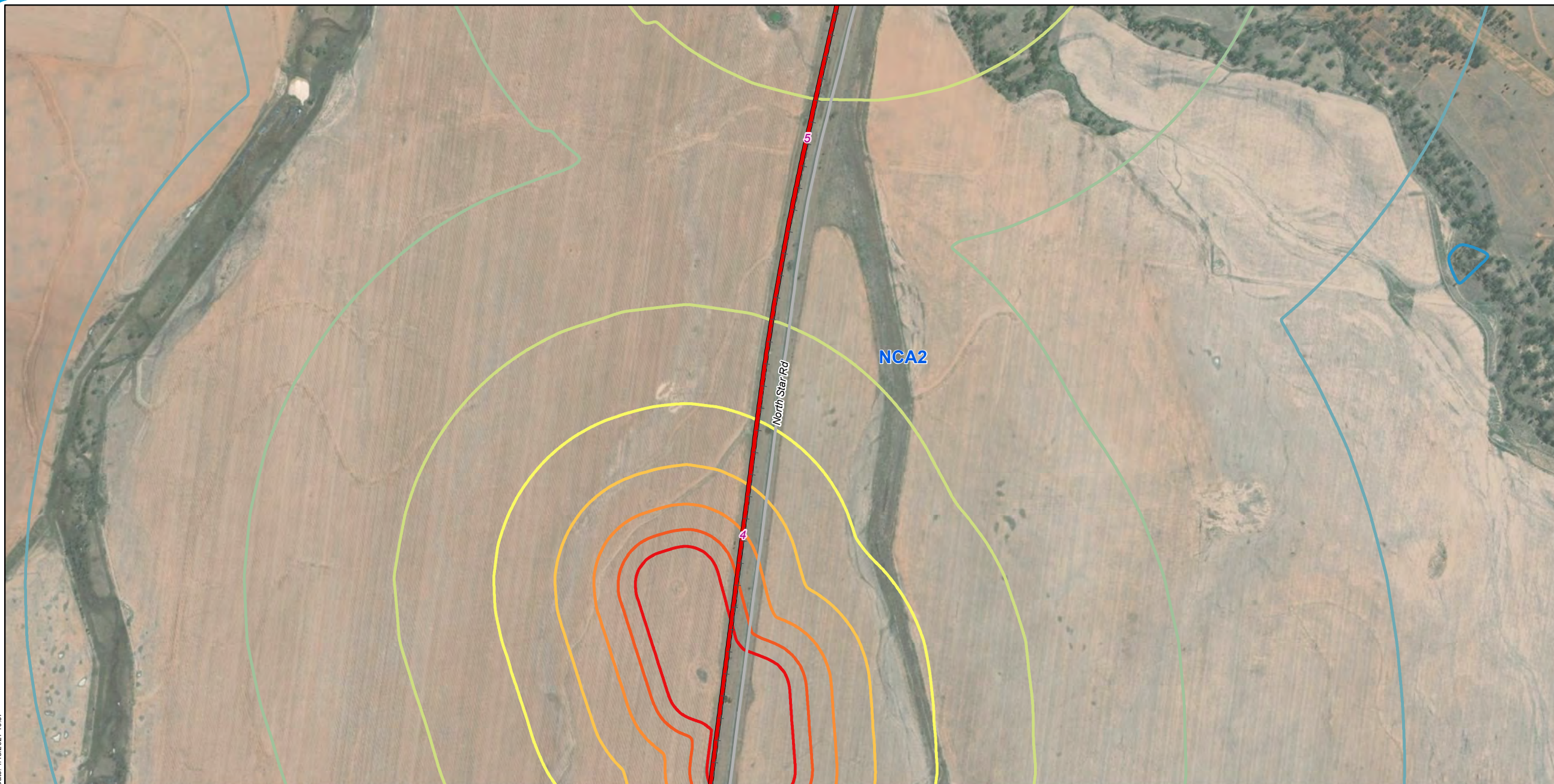
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 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 3 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs



A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km

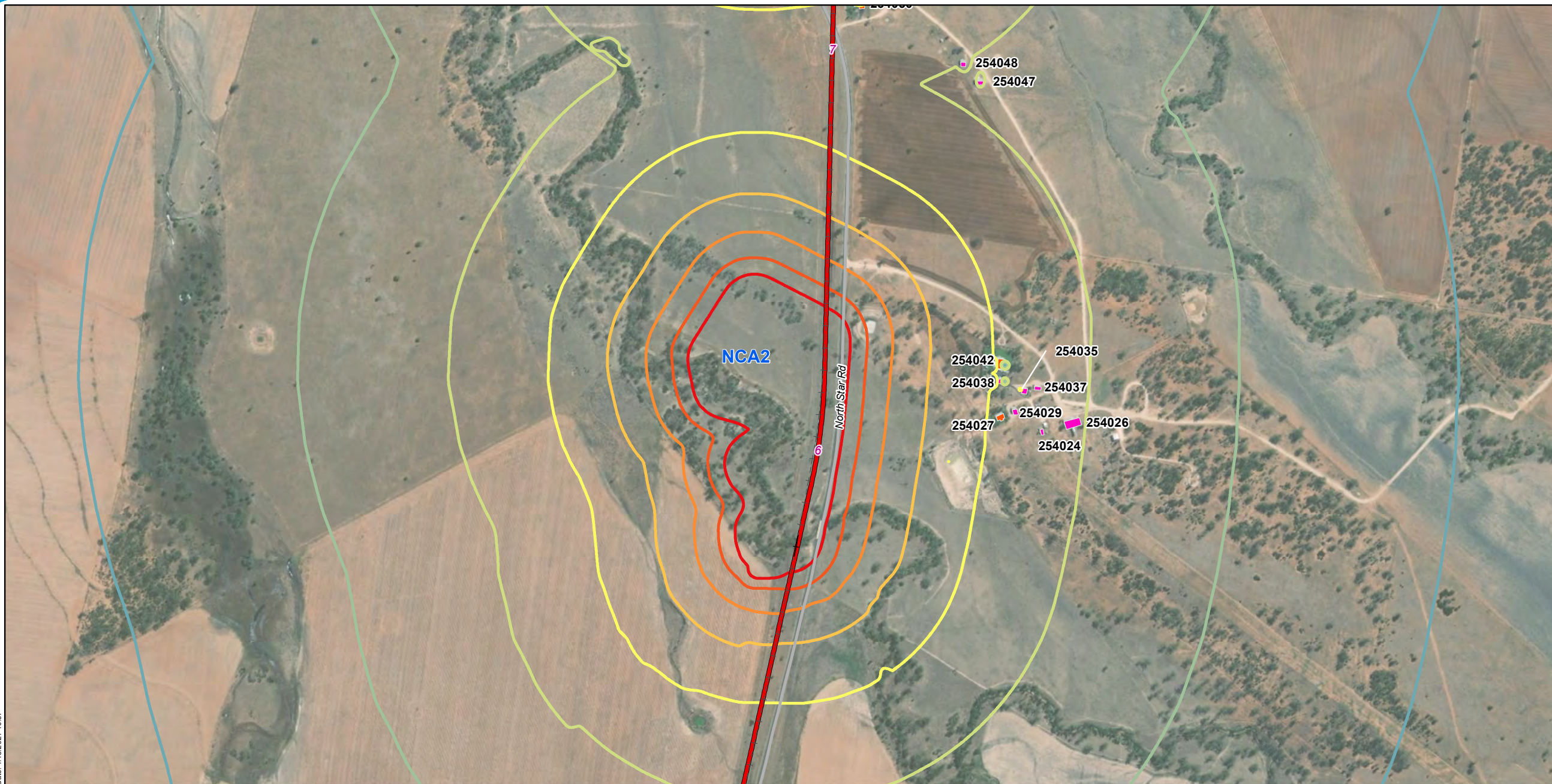


Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 4 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\067_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

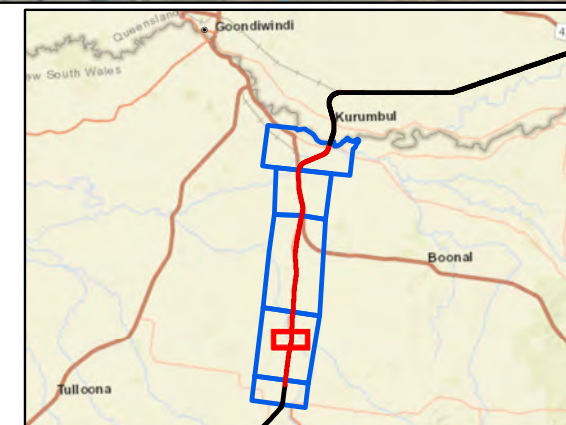
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs

Sensitive receivers

- Residential
- Shed



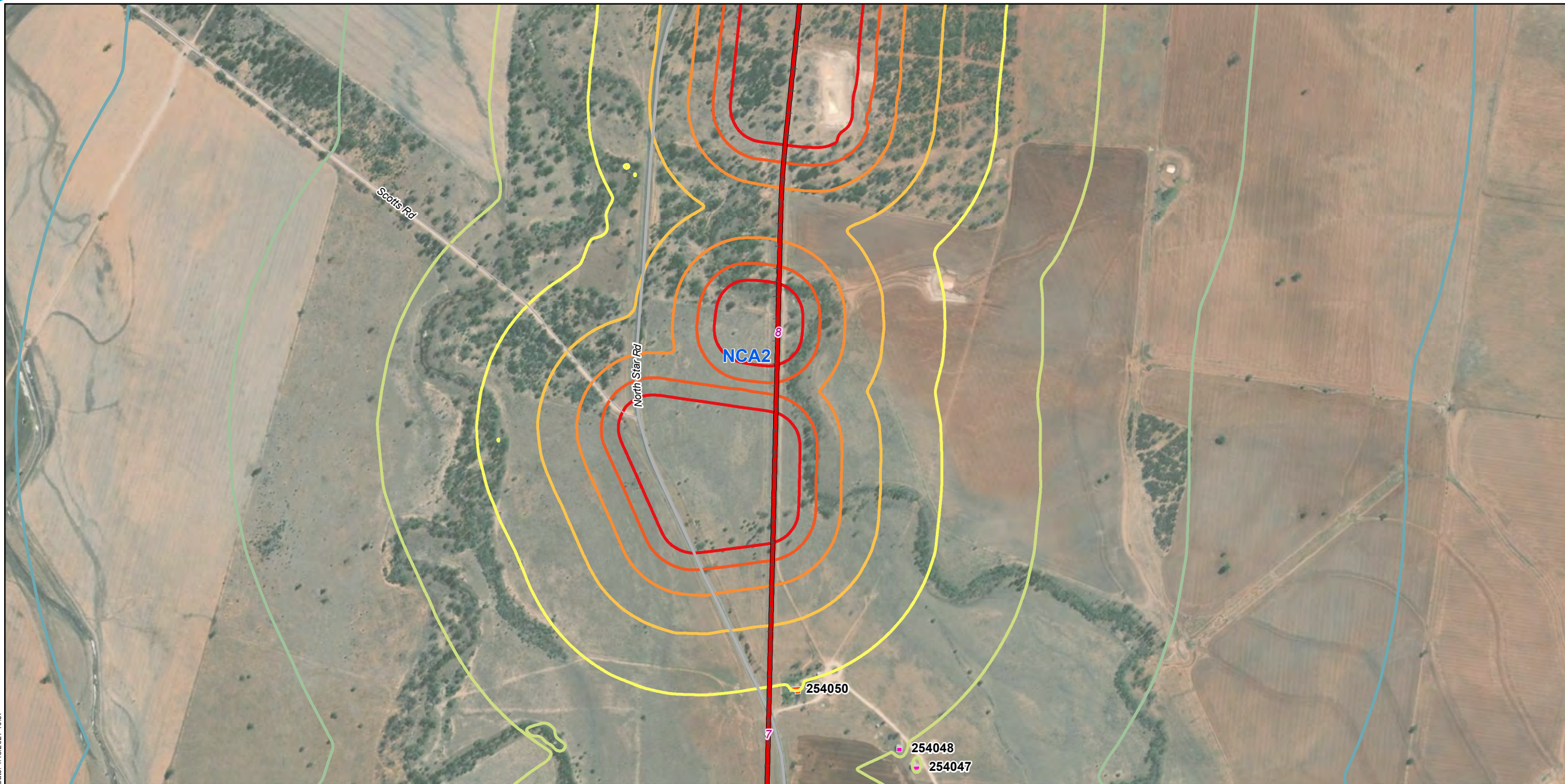
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 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 5 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report1_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA2

Sensitive receivers

- Residential
- Shed



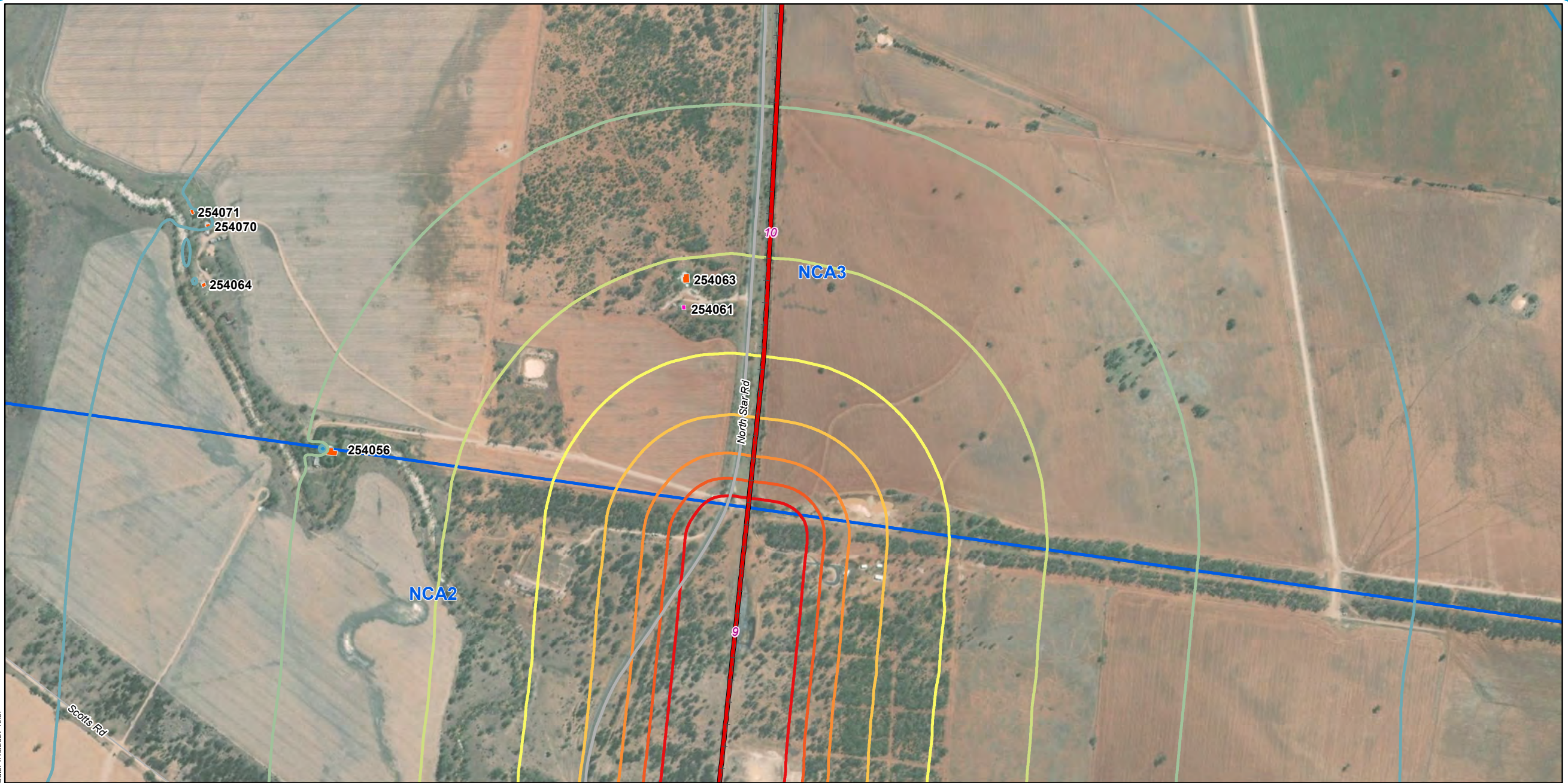
A3 scale: 1:10,500
0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 6 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA2

Sensitive receivers

- Residential
- Shed



A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 7 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

$L_{A1, 1min}$, dB(A)

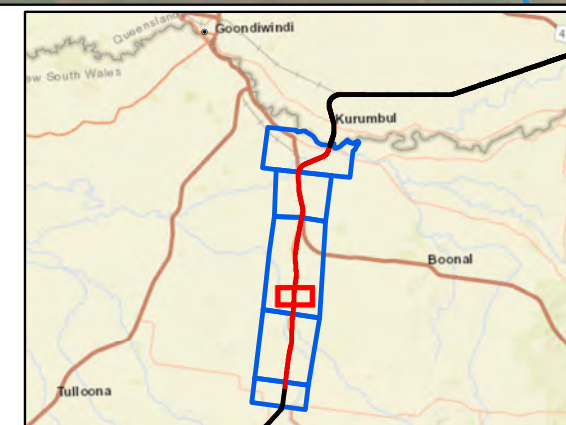
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3

Sensitive receivers

- Residential
- Shed



A3 scale: 1:10,500
0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 8 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

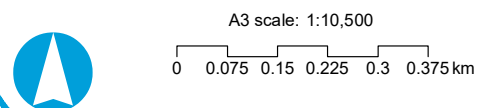
Sound Pressure Level

LA1, 1min, dB(A)

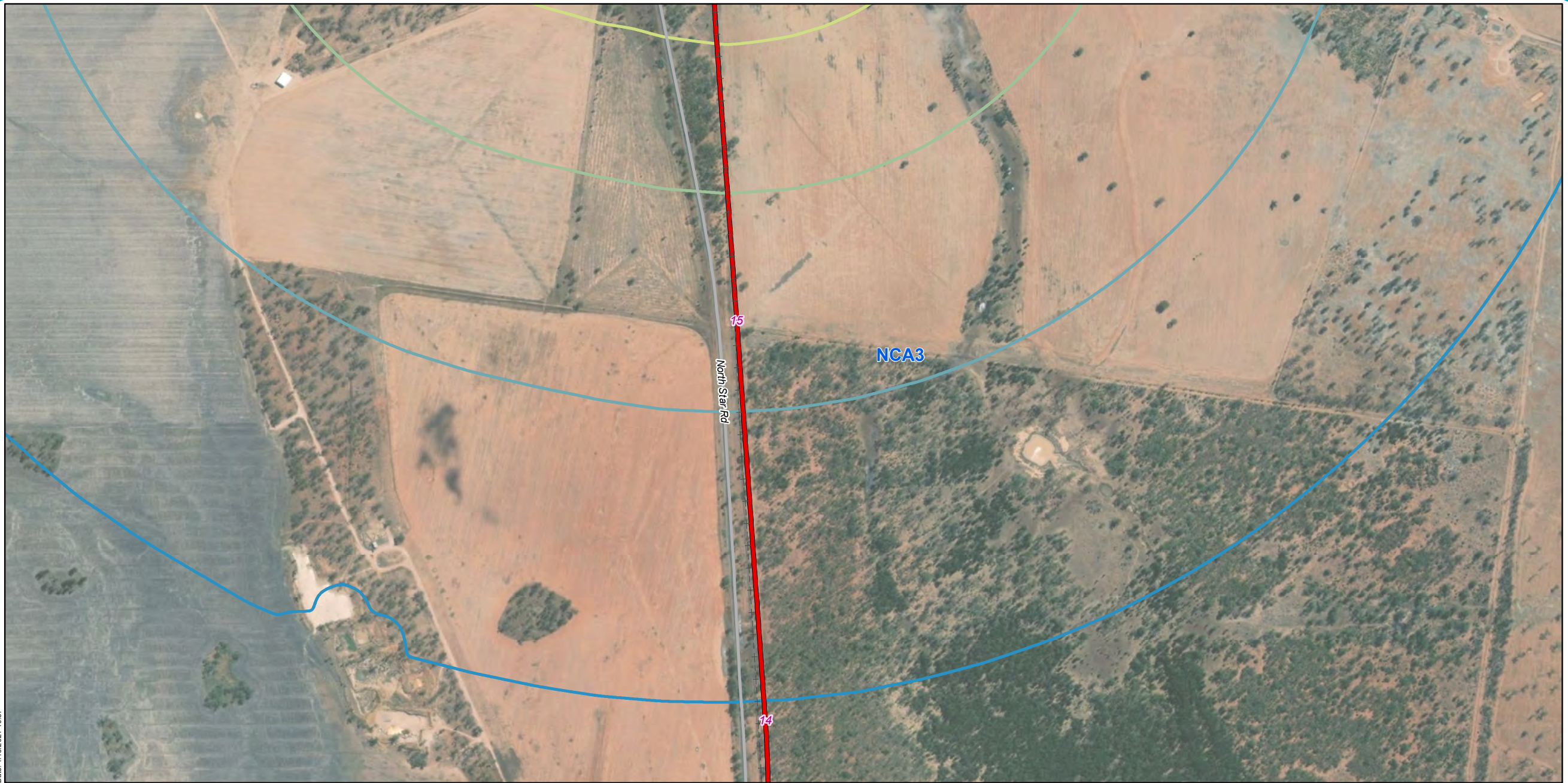
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3



Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\067_Noise_Vibration_Tech_Report\Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3



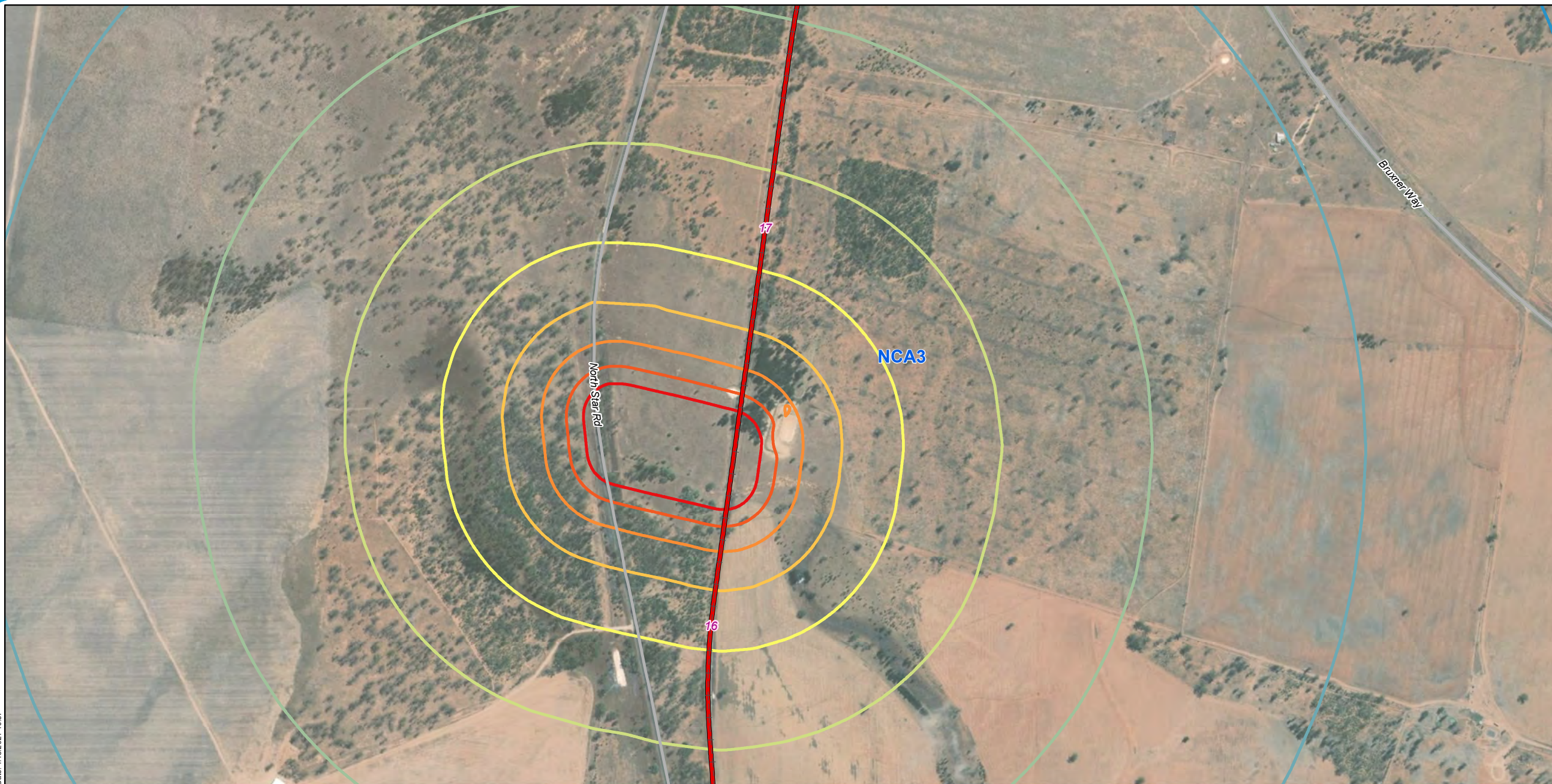
A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 10 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-201910110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3



A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 11 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

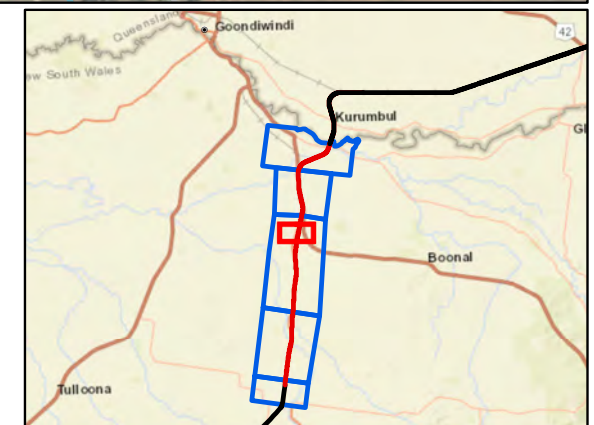
Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3



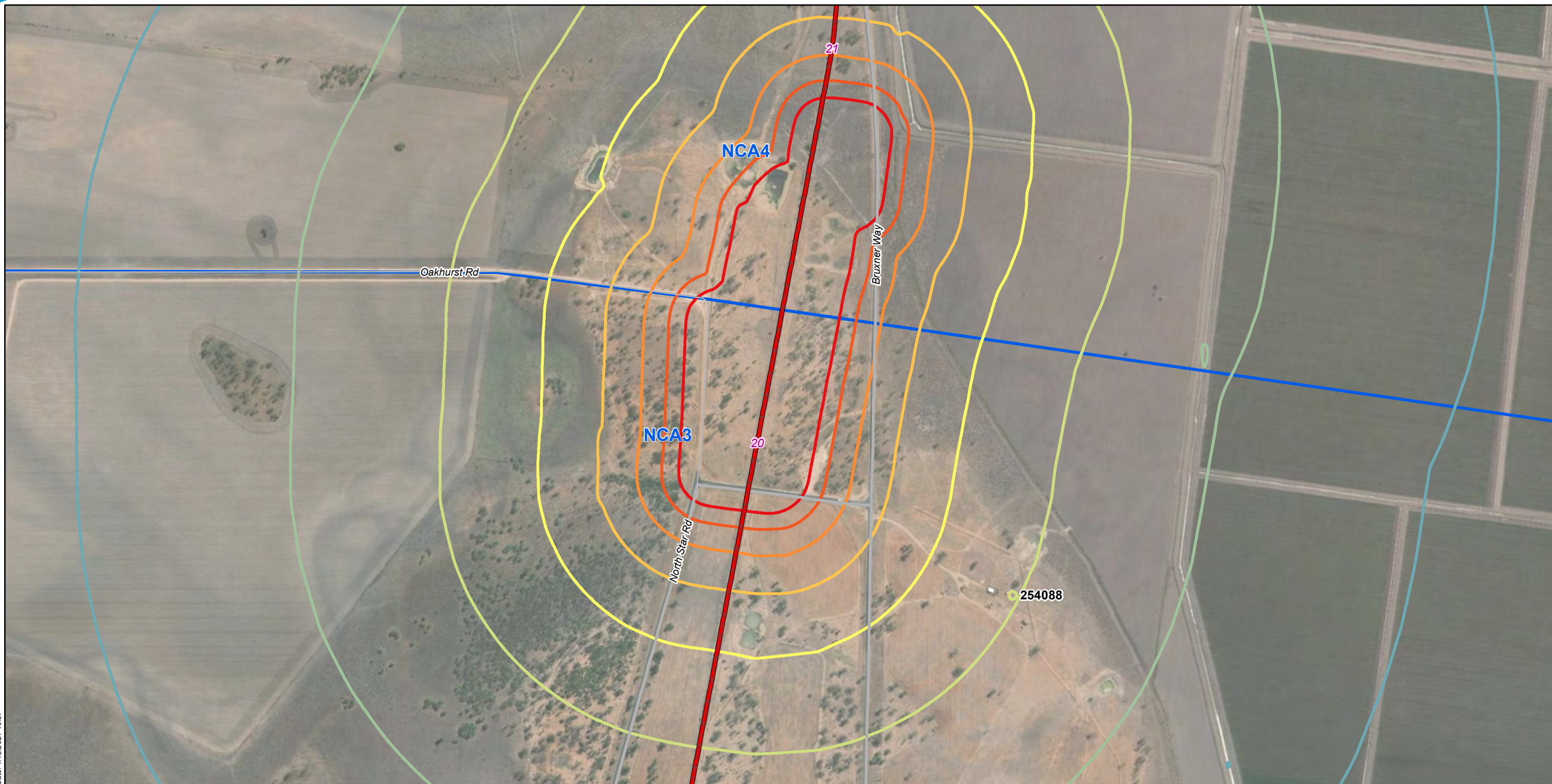
A3 scale: 1:10,500
0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 12 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3

Sensitive receivers

- Residential



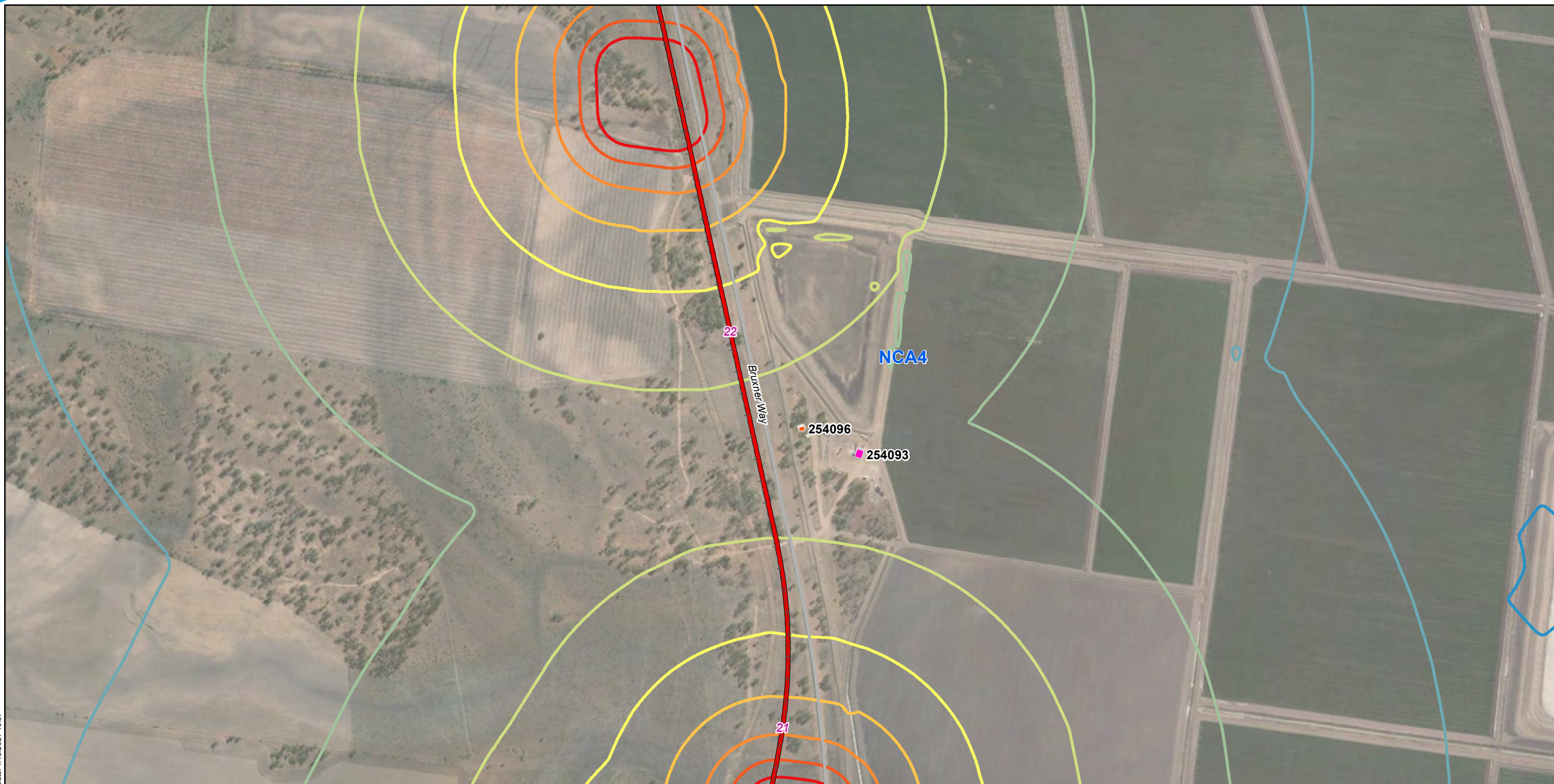
A3 scale: 1:10,500
 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 13 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-201910110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

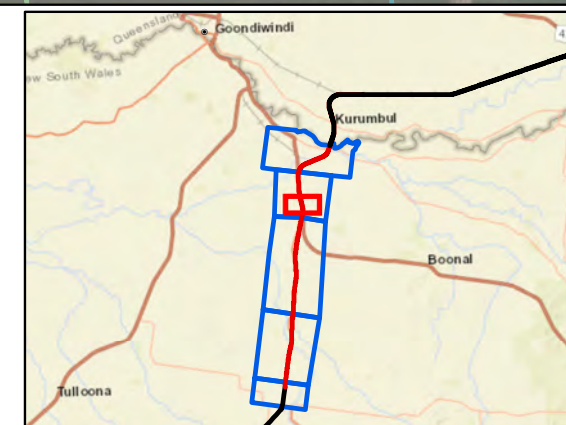
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA4

Sensitive receivers

- Residential
- Shed



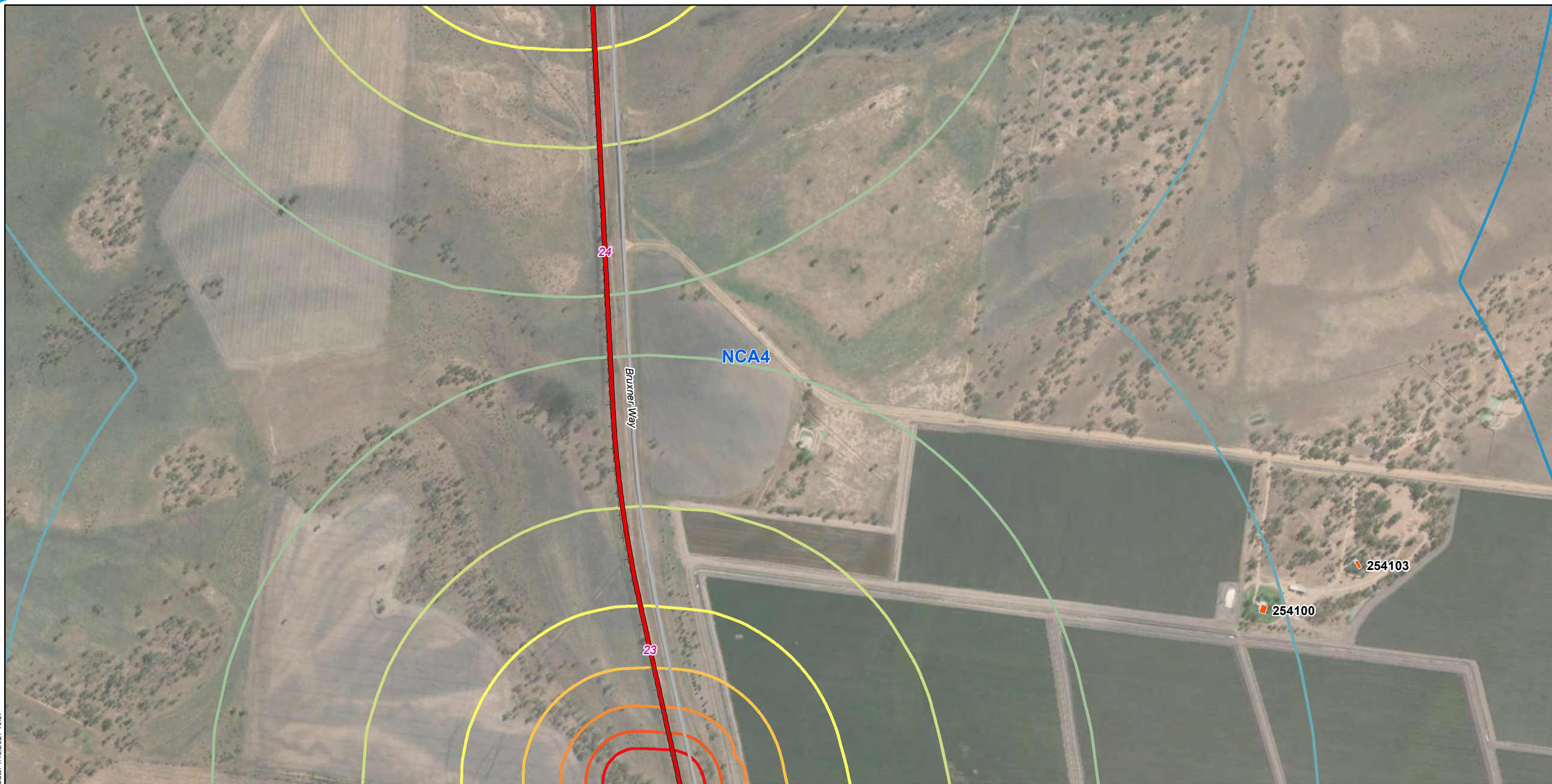
A3 scale: 1:10,500
0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 14 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA's

Sensitive receivers

- Residential



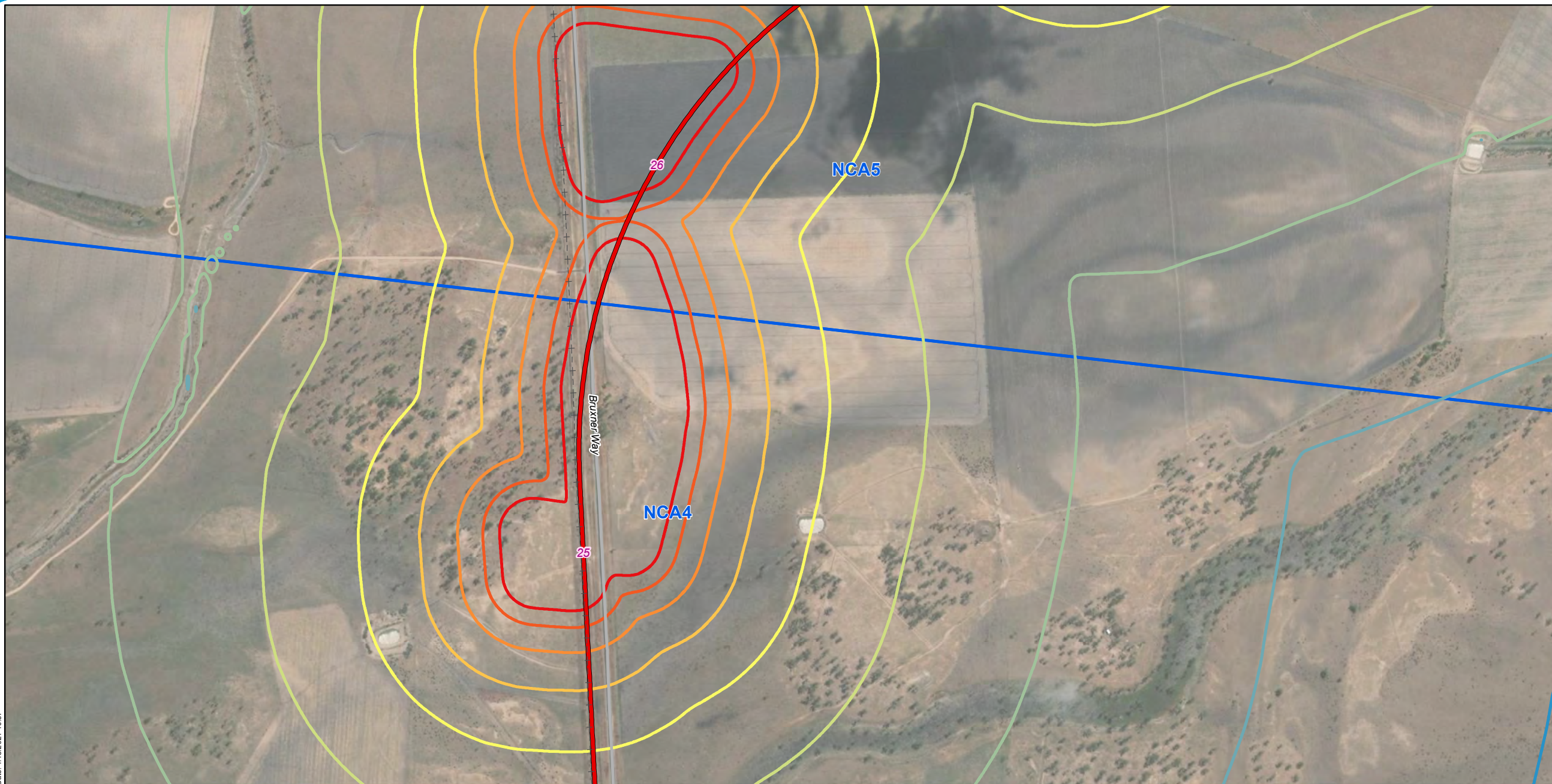
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 15 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCAs



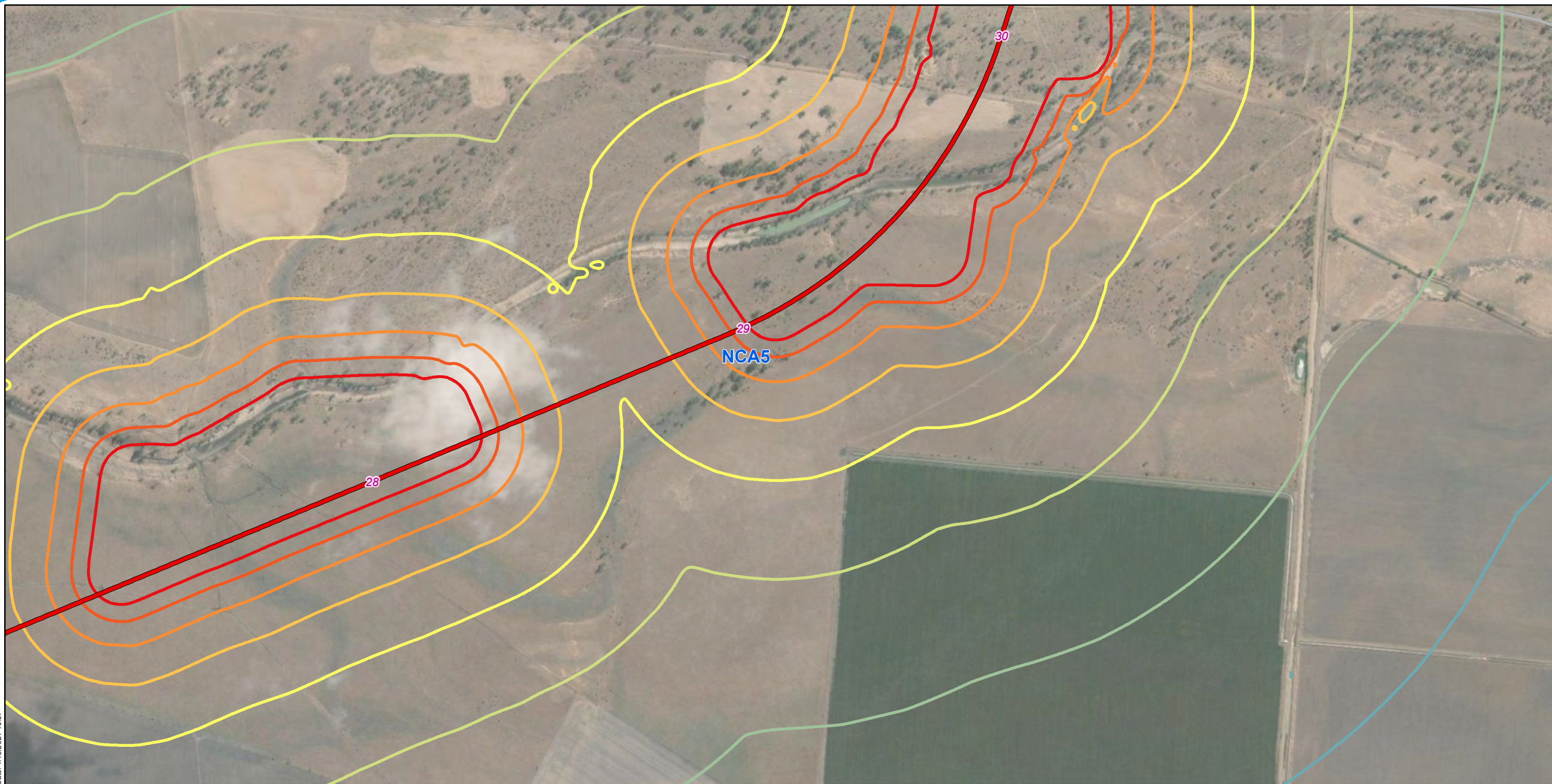
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 0 0.075 0.15 0.225 0.3 0.375 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 16 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5



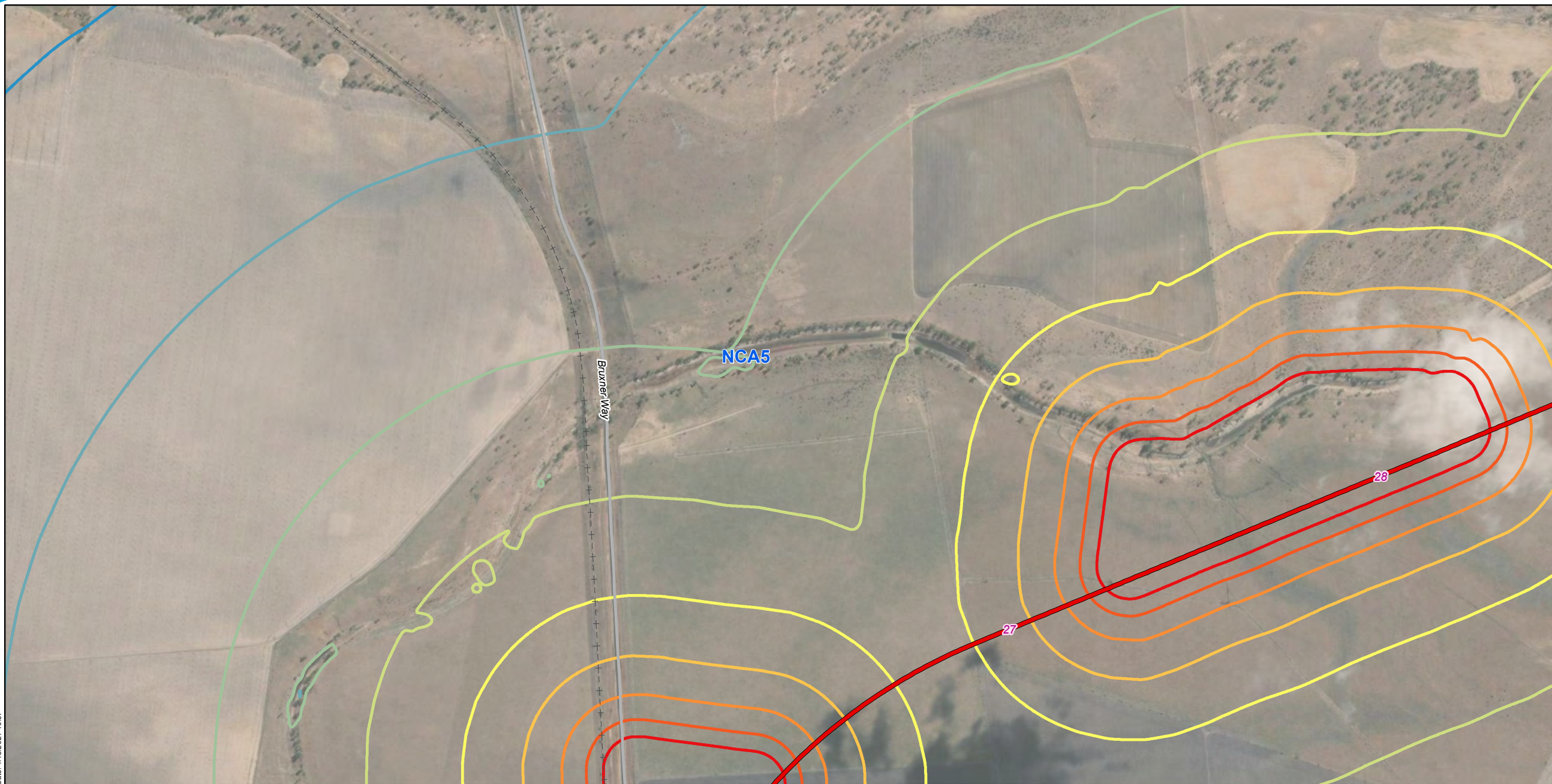
A3 scale: 1:10,500
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 17 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5



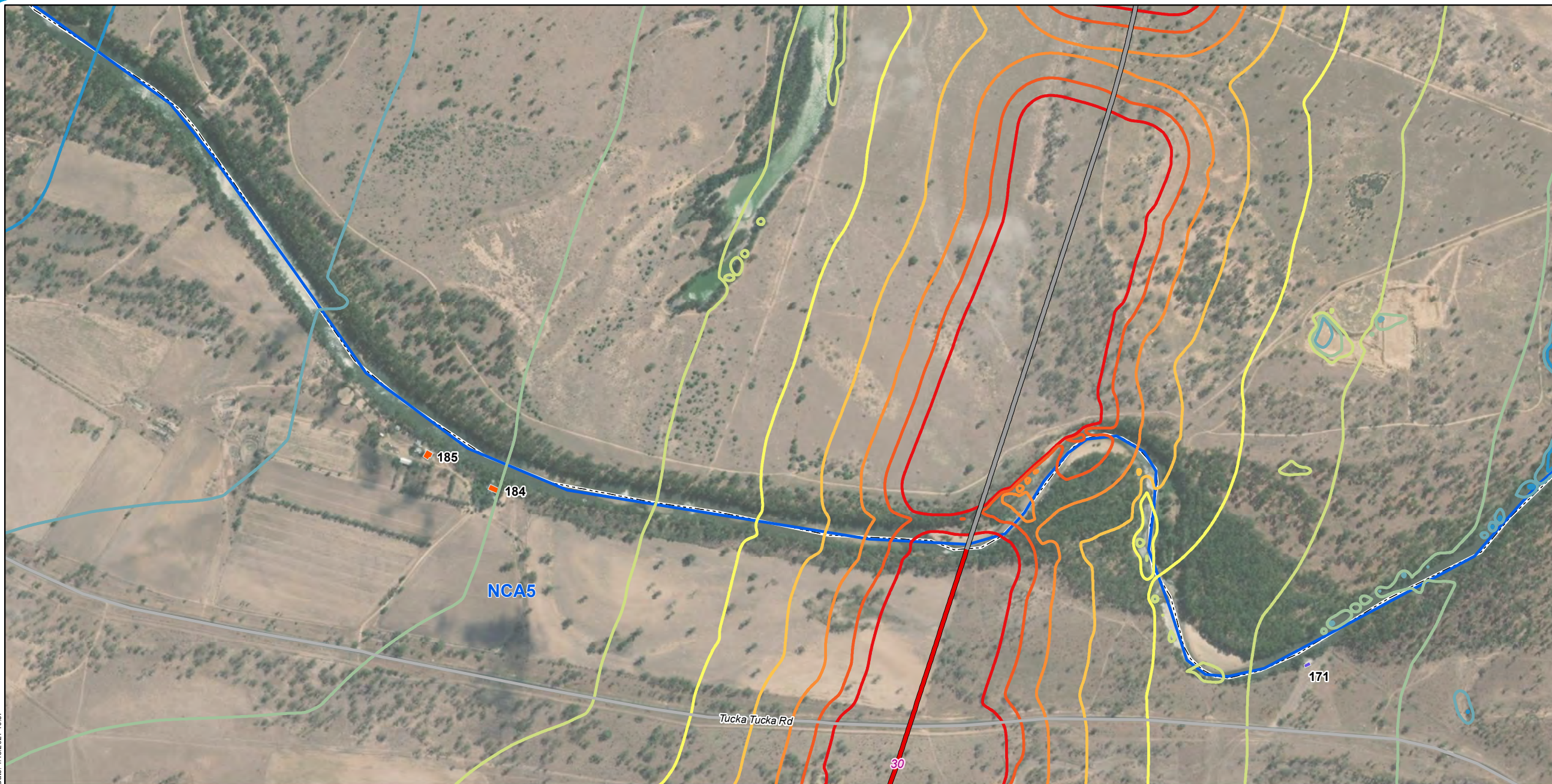
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 18 of 19)

Map by: RB Z:\GIS\GIS_270_NS2B1\Tasks\270-EAP-20191110\07_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_SiteSetup_and_Laydowns_FF\VA3L_rev1.mxd
 Date: 1/15/2021 10:37



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- Adjoining alignments
- Major roads
- NSW/QLD border

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5

Sensitive receivers

- Industrial
- Residential

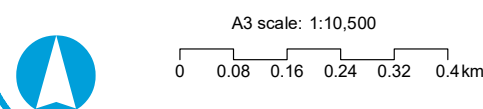
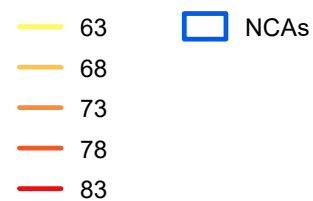
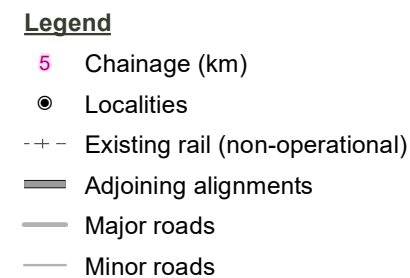


A3 scale: 1:10,500
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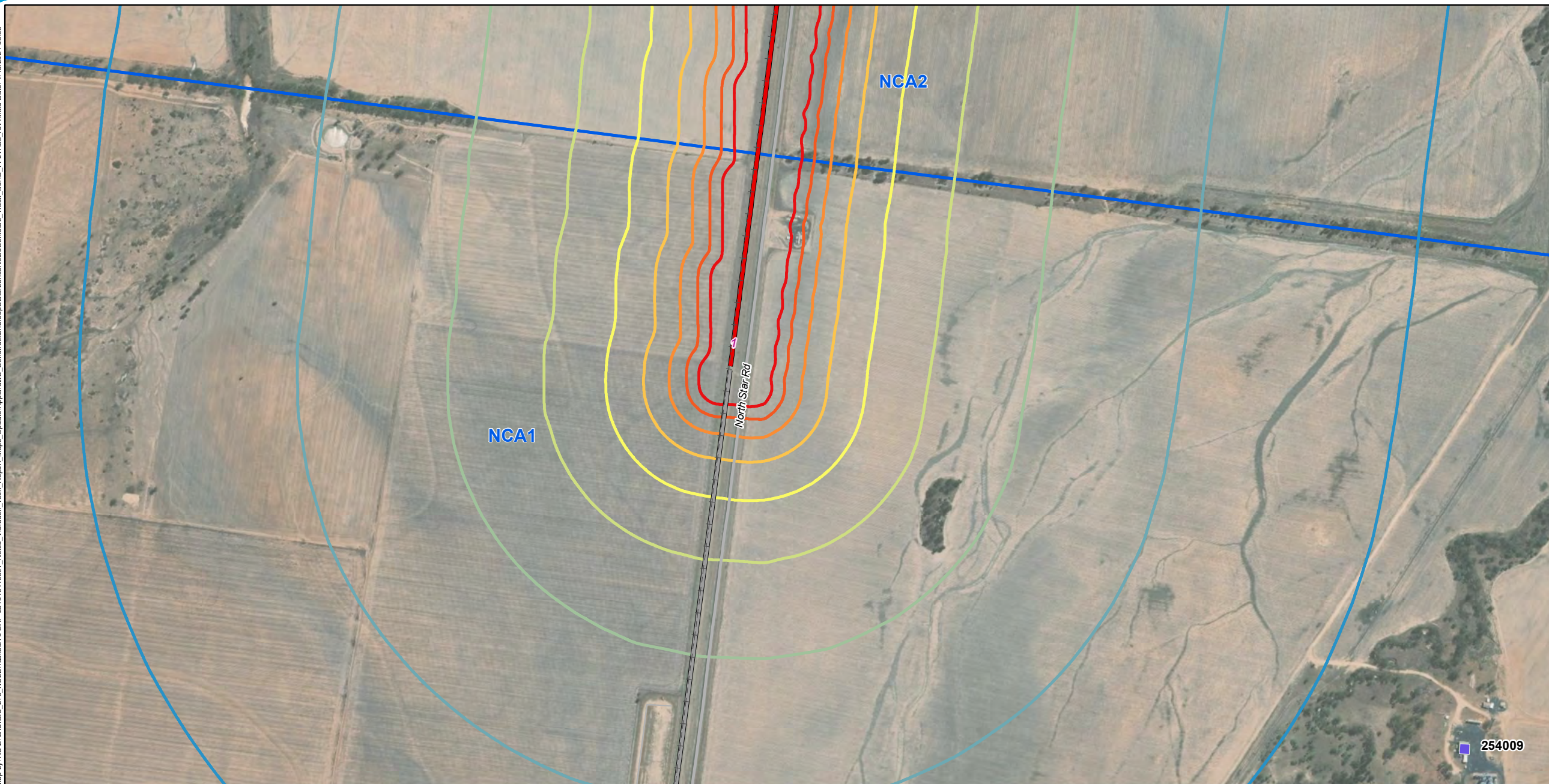


Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Site setup and laydowns (Map 19 of 19)



Map by: RB 2:GIS\GIS_270_NS2BTasks\270-EAP-2019\11\0607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Adjoining alignments
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

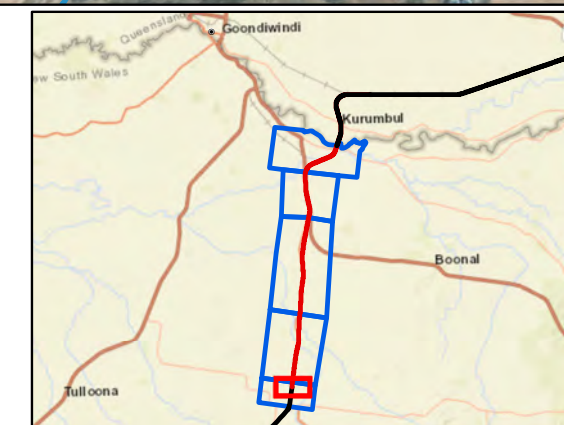
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA1 NCA2

Sensitive receivers

- Industrial



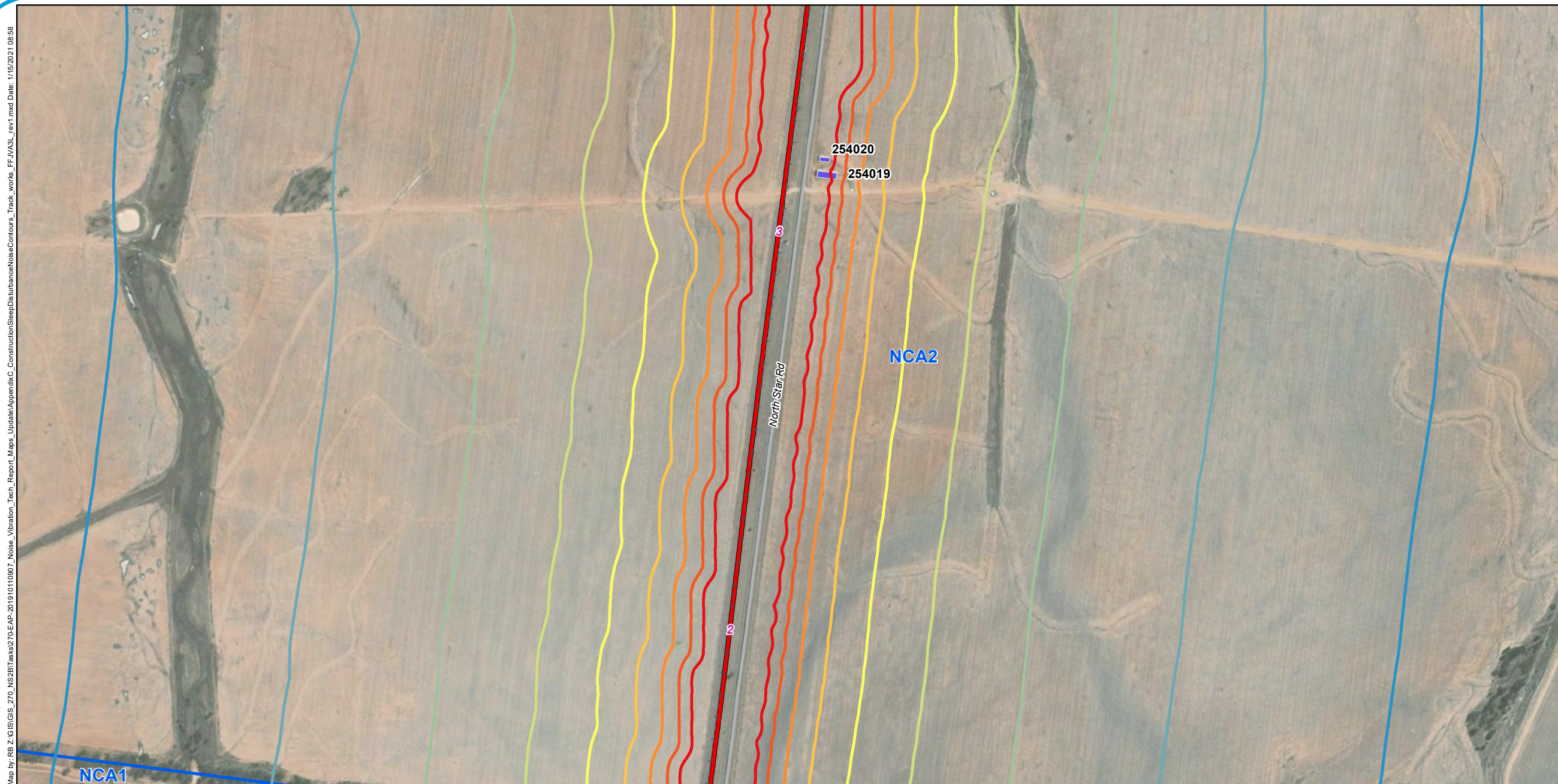
A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Track works (Map 2 of 19)

Map by: RB 2:GIS\GIS_270_NSW\Tasks\270-EAP-2019\1011007_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA1 NCA2

Sensitive receivers

- Industrial



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4km

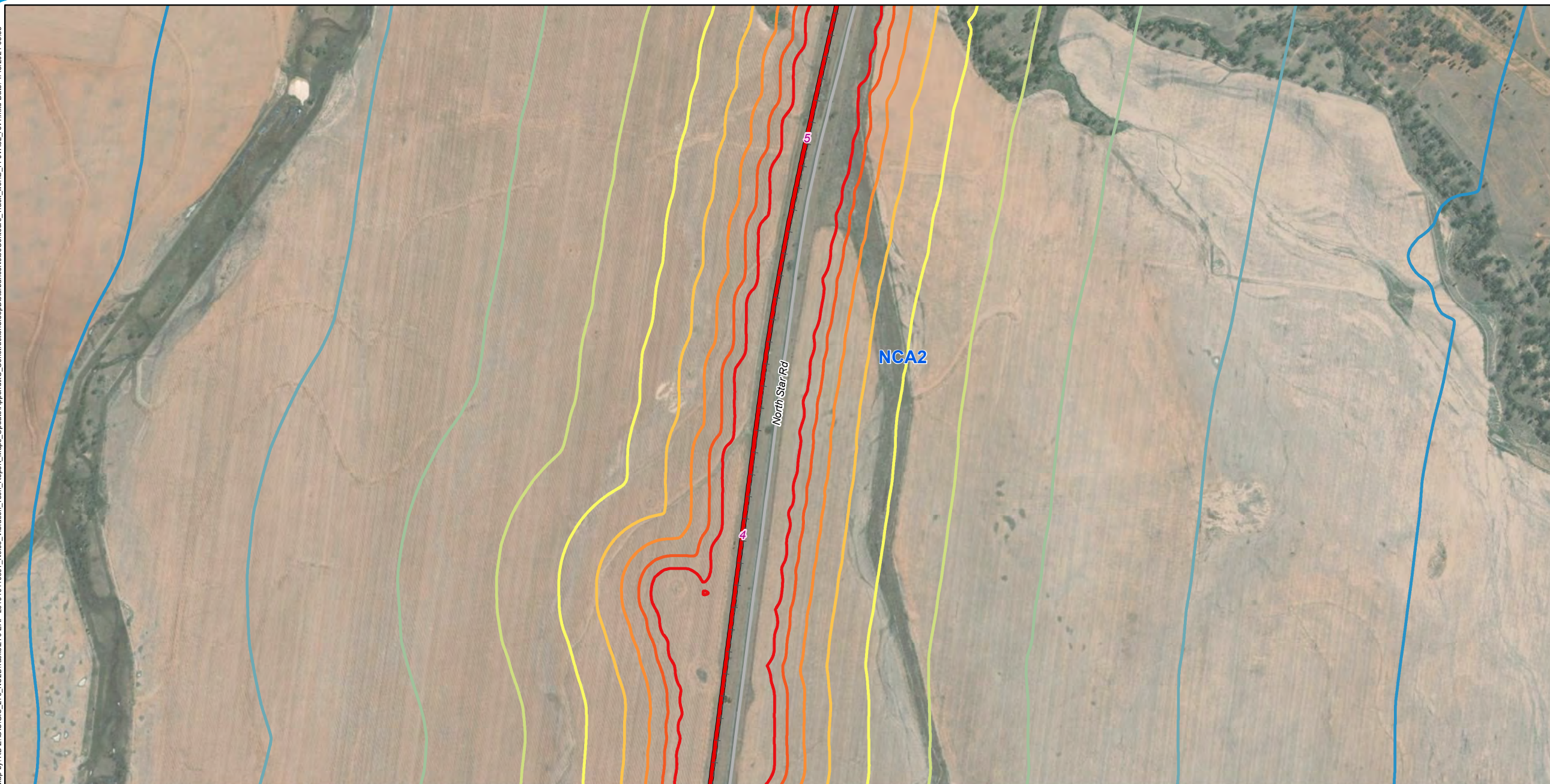


Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Appendix C: Construction sleep disturbance noise contours - Track works (Map 3 of 19)

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\1010607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3L_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA2



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4km

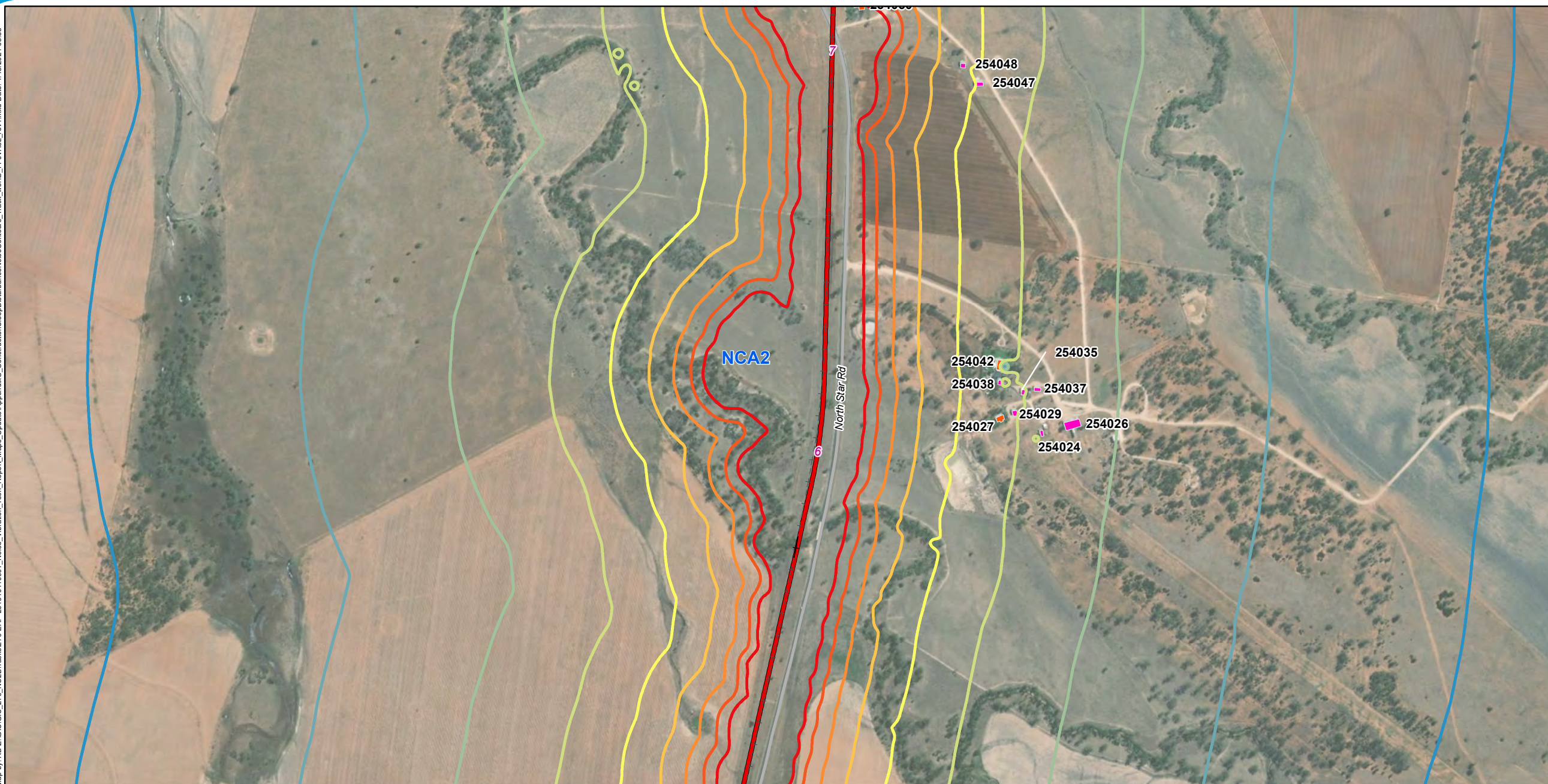


Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Appendix C: Construction sleep disturbance noise contours - Track works (Map 4 of 19)

Map by: RB 2:GIS/GIS_270_NS2B/Tasks/270-EAP-2019/10110607_Noise_Vibration_Tech_Report_Maps_Update/AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF-IV3L_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

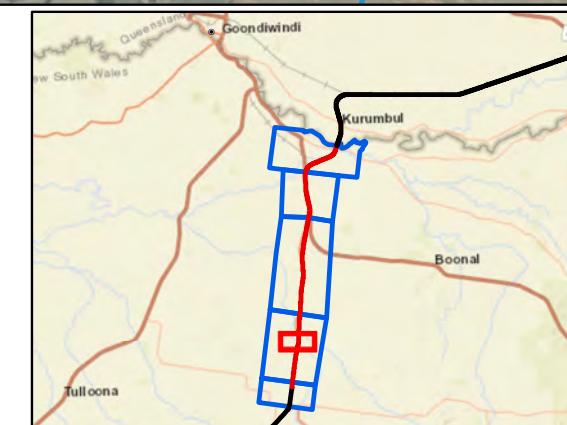
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs

Sensitive receivers

- Residential
- Shed



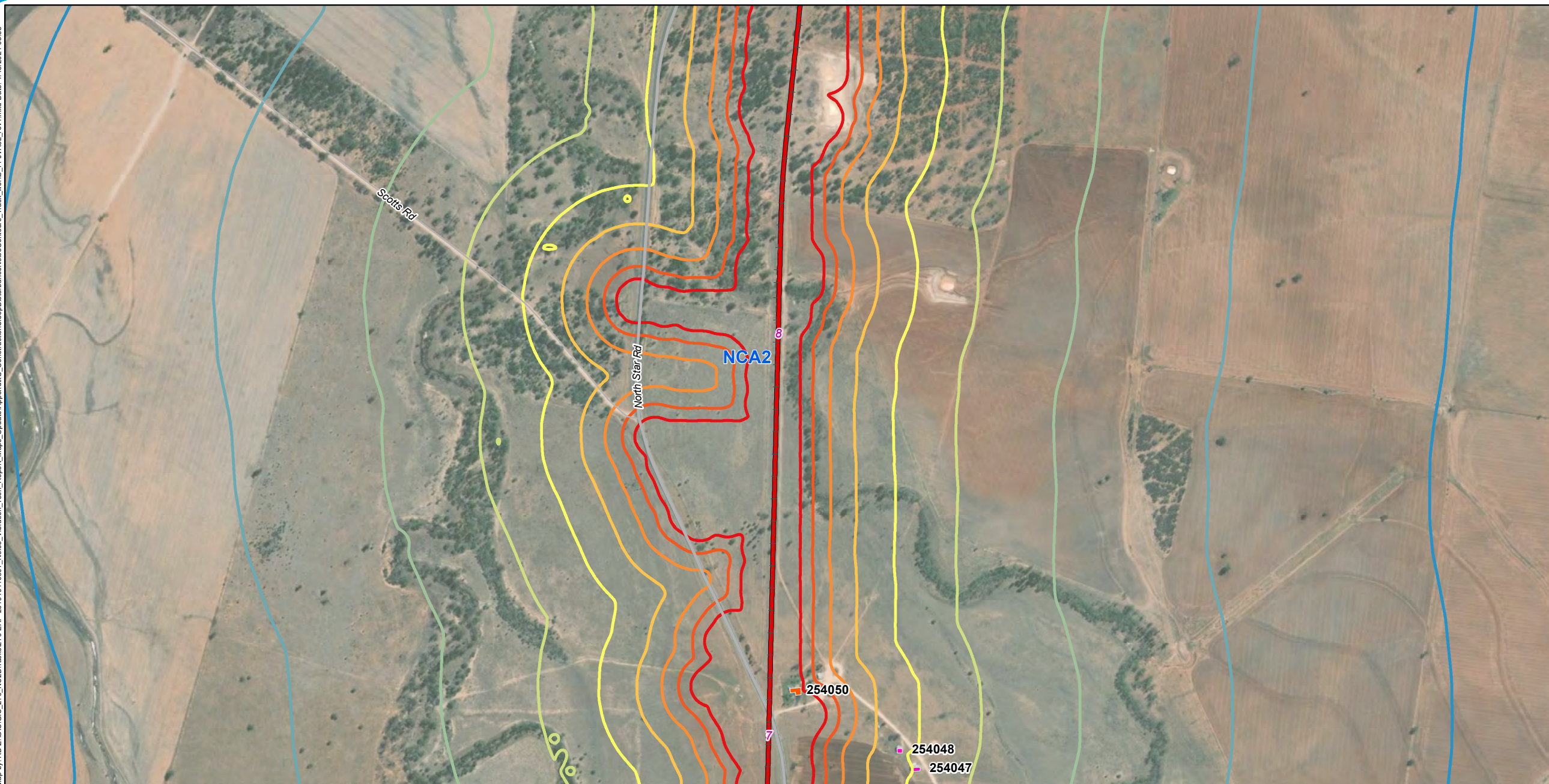
A3 scale: 1:10,500
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Track works (Map 5 of 19)

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\11\0607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3L_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

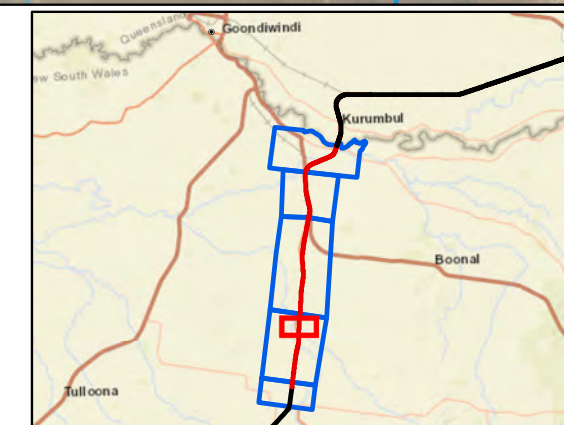
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA2

Sensitive receivers

- Residential
- Shed



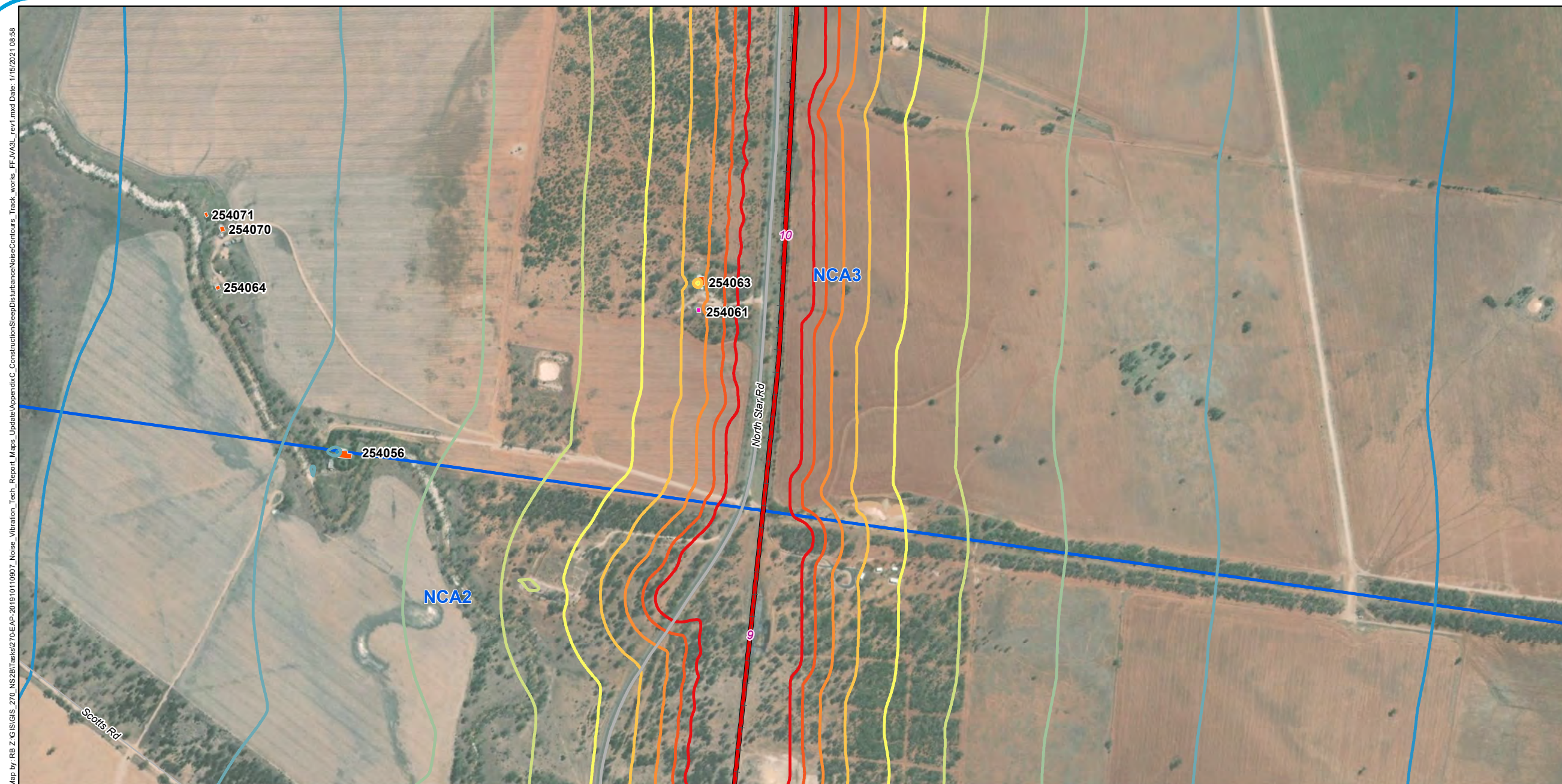
A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Track works (Map 6 of 19)

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\1011007_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA

Sensitive receivers

- Residential
- Shed



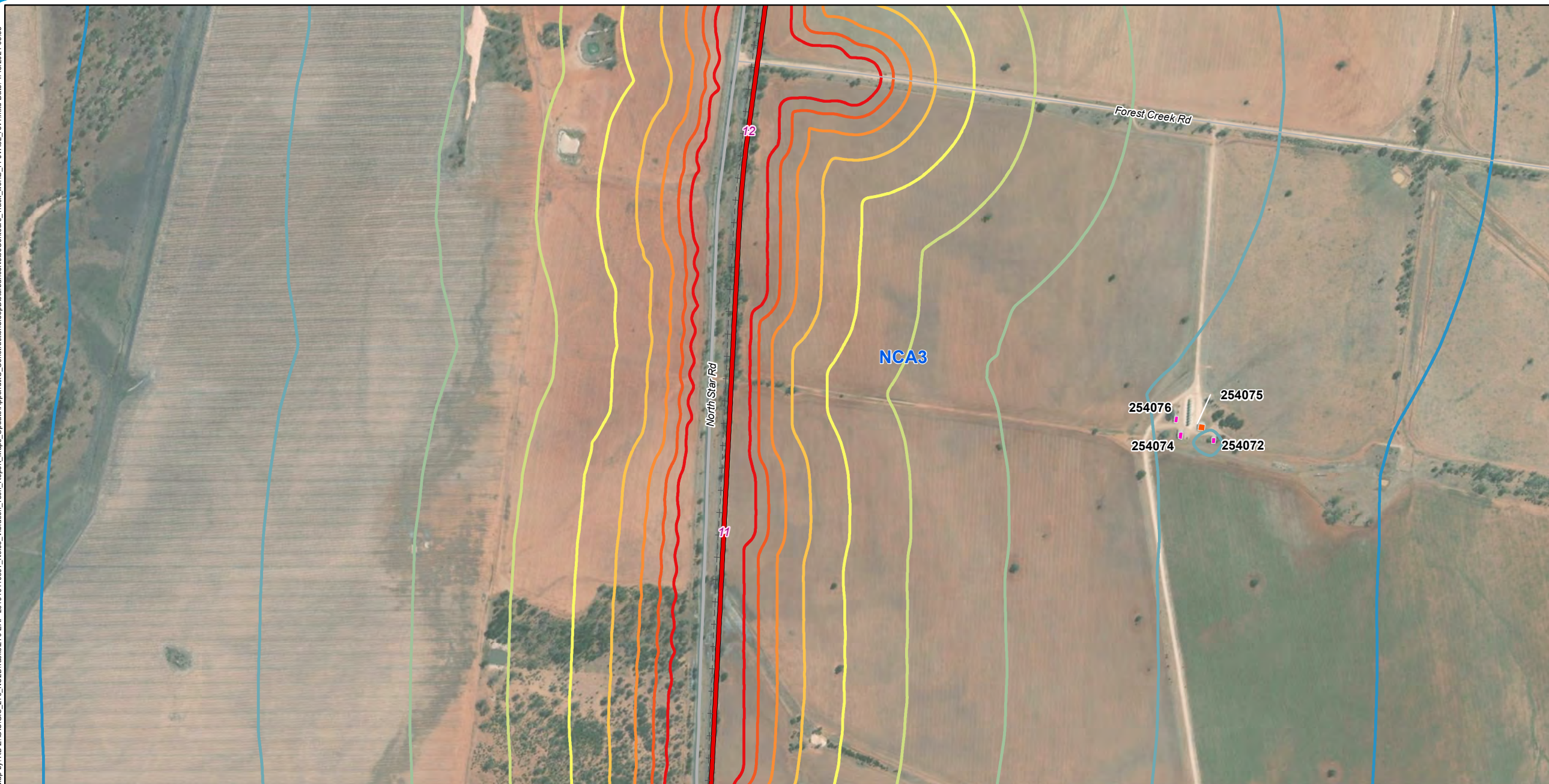
A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Track works (Map 7 of 19)

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\101007_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

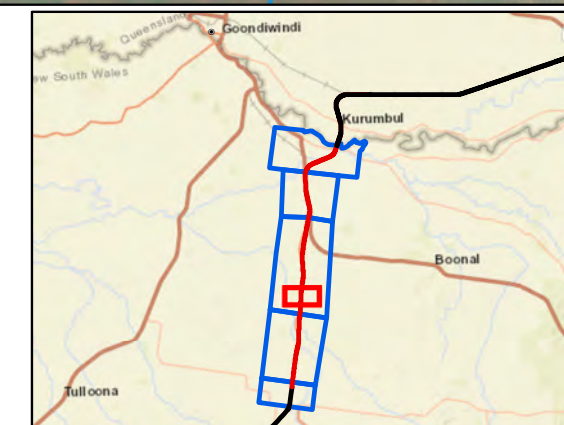
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3

Sensitive receivers

- Residential
- Shed



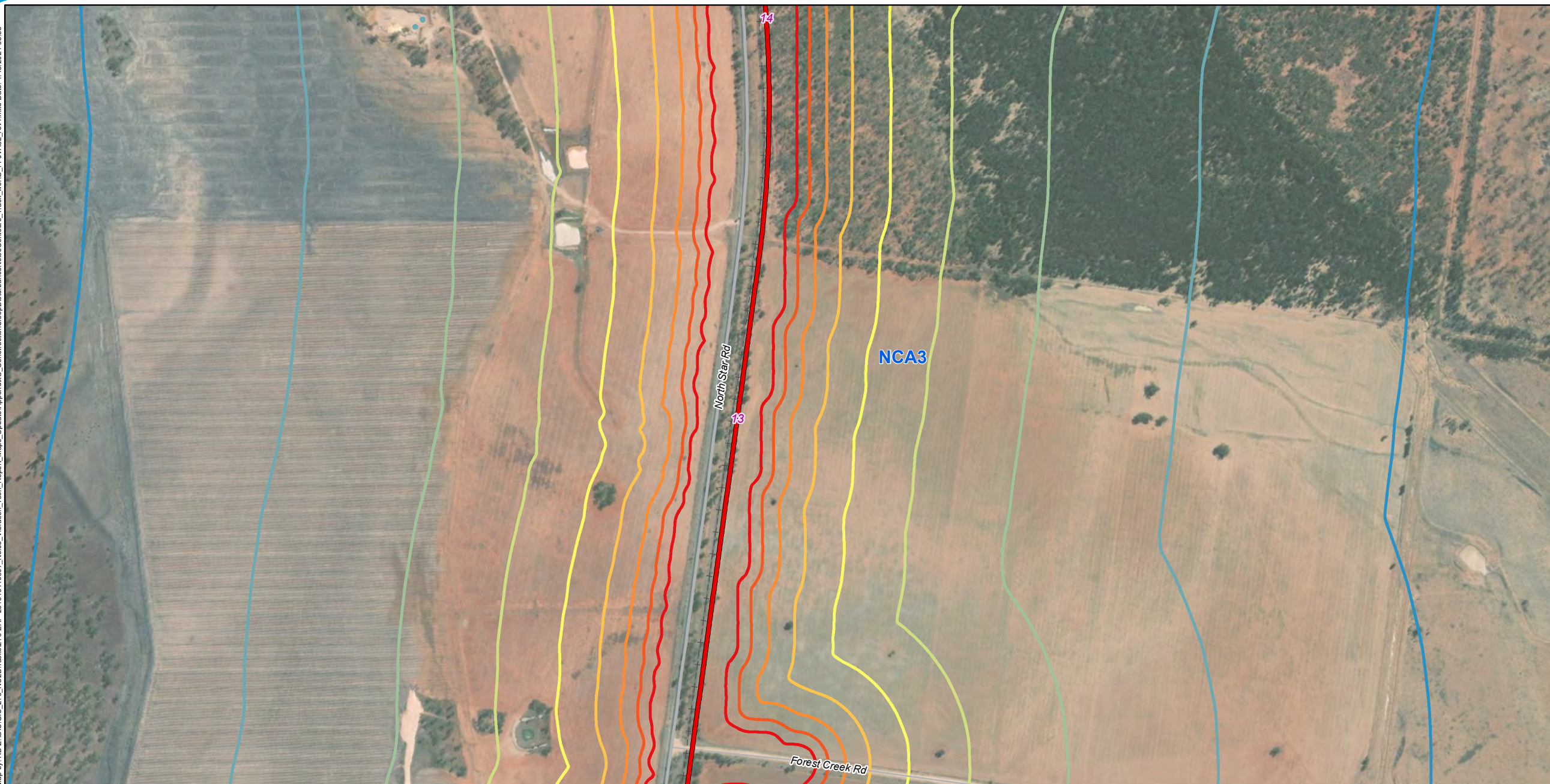
A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Track works (Map 8 of 19)

Map by: RB 2:GIS\GIS_270\NS2B\Tasks\270-EAP-2019\1011007_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs



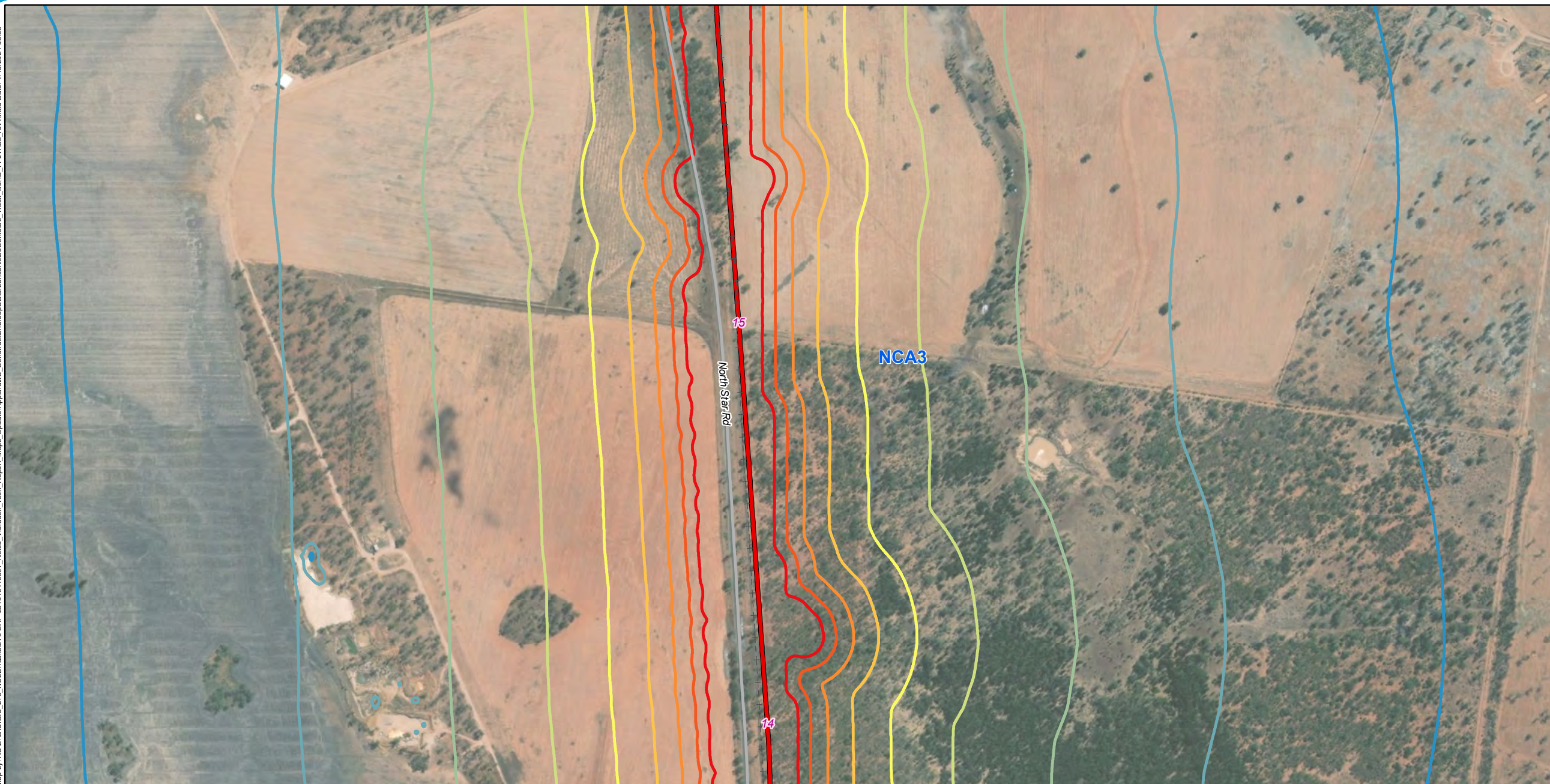
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Track works (Map 9 of 19)

Map by: RB 2:GIS\GIS_270_NS2BTasks\270-EAP-2019\11\0607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCAs



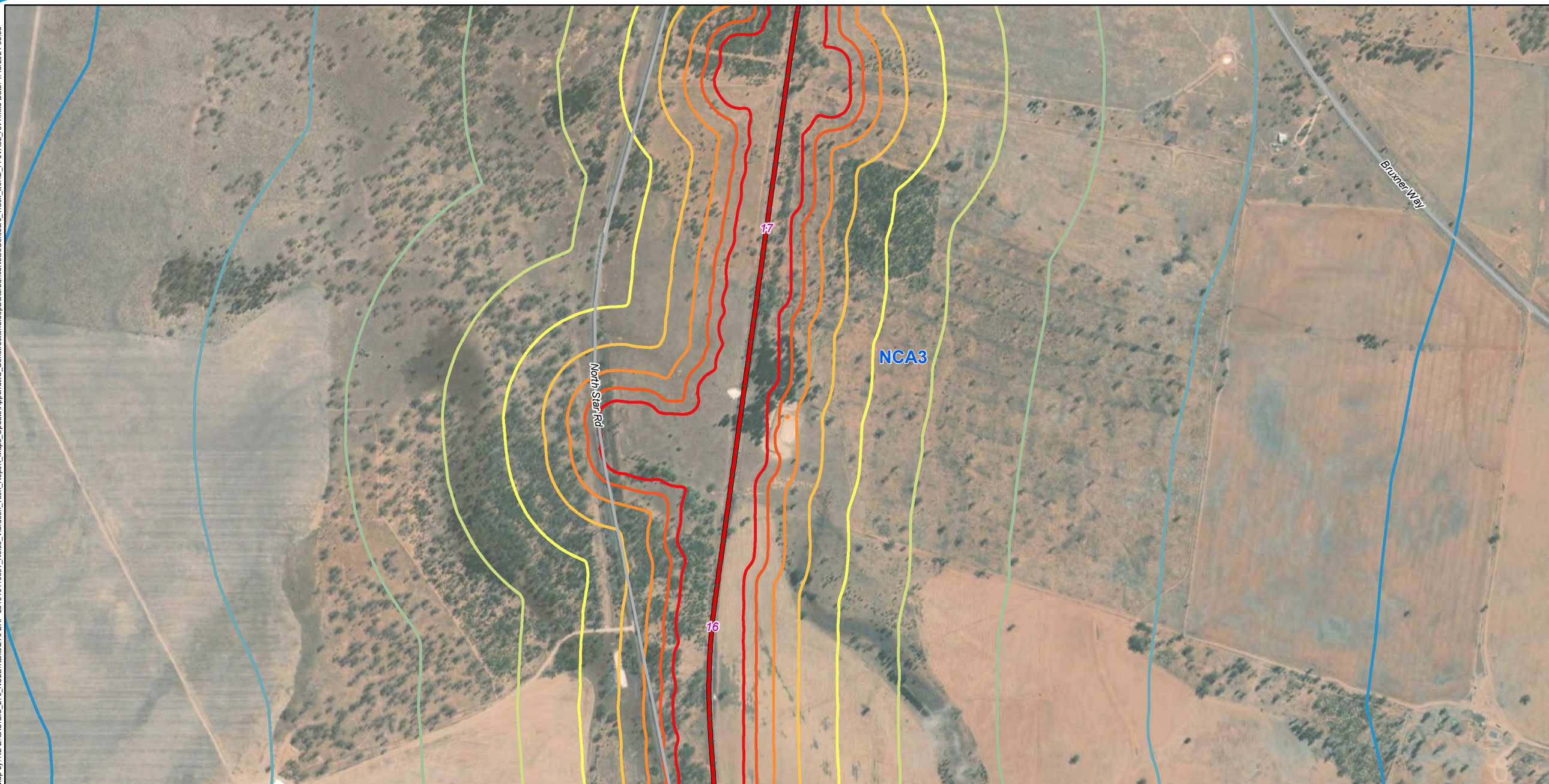
A3 scale: 1:10,500
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Track works (Map 10 of 19)

Map by: RB 2:GIS\GIS_270_NSW\Tasks\270-EAP-2019\11\0607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

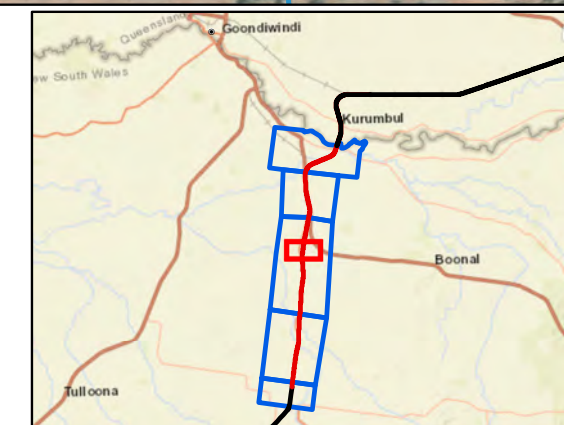
Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3



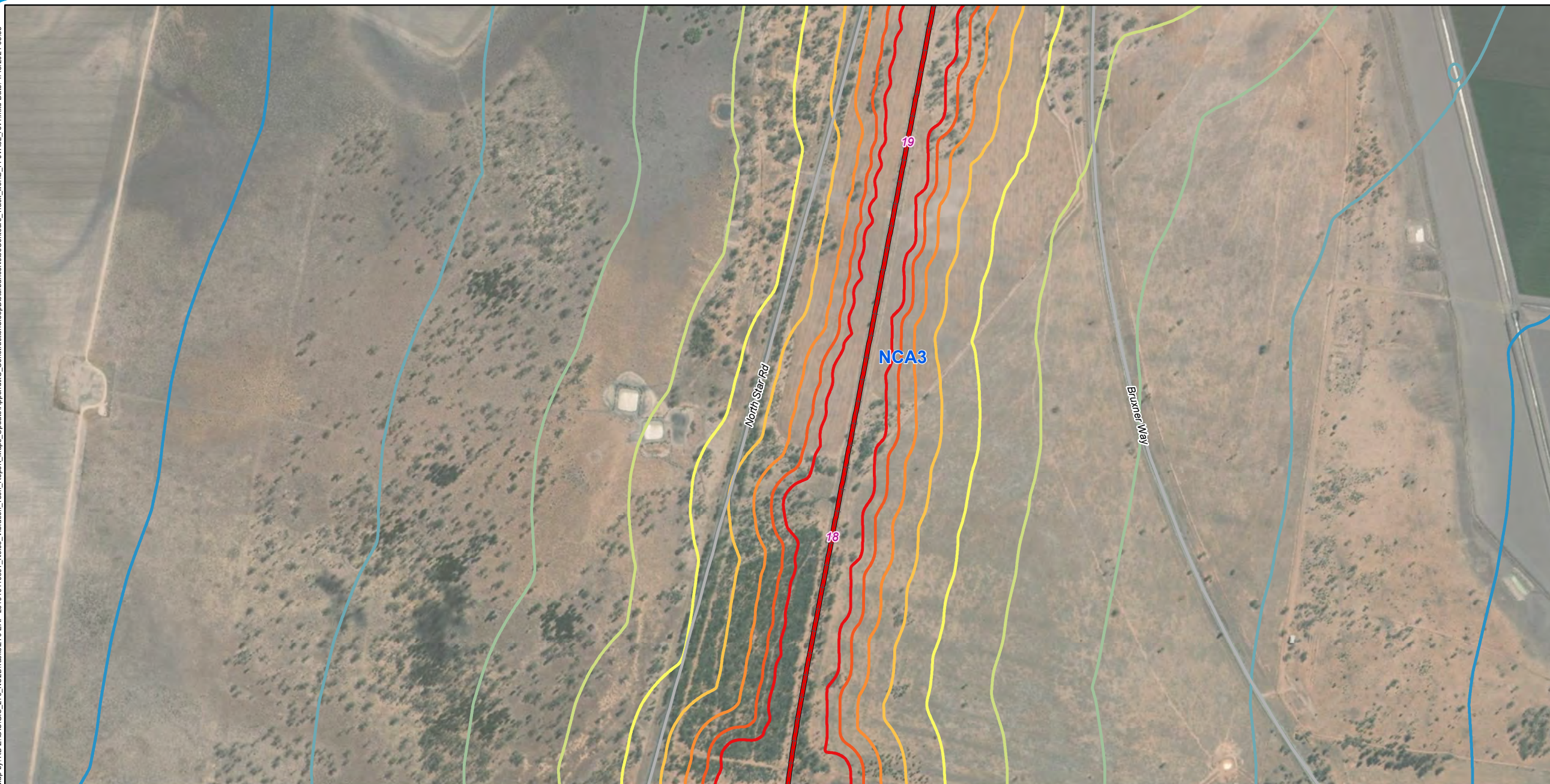
A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Track works (Map 11 of 19)

Map by: RB 2:GIS\GIS_270_NS2B\Tasks\270-EAP-2019\11\0607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

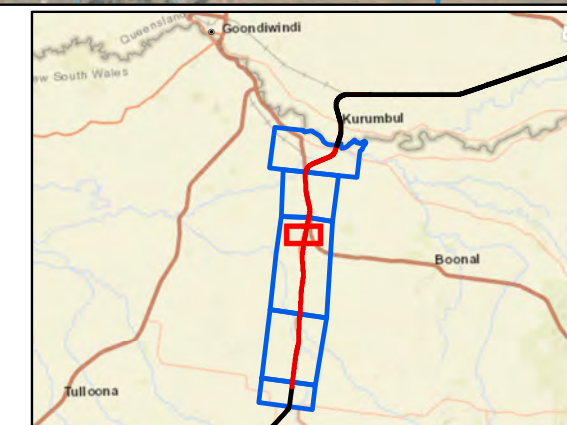
Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs



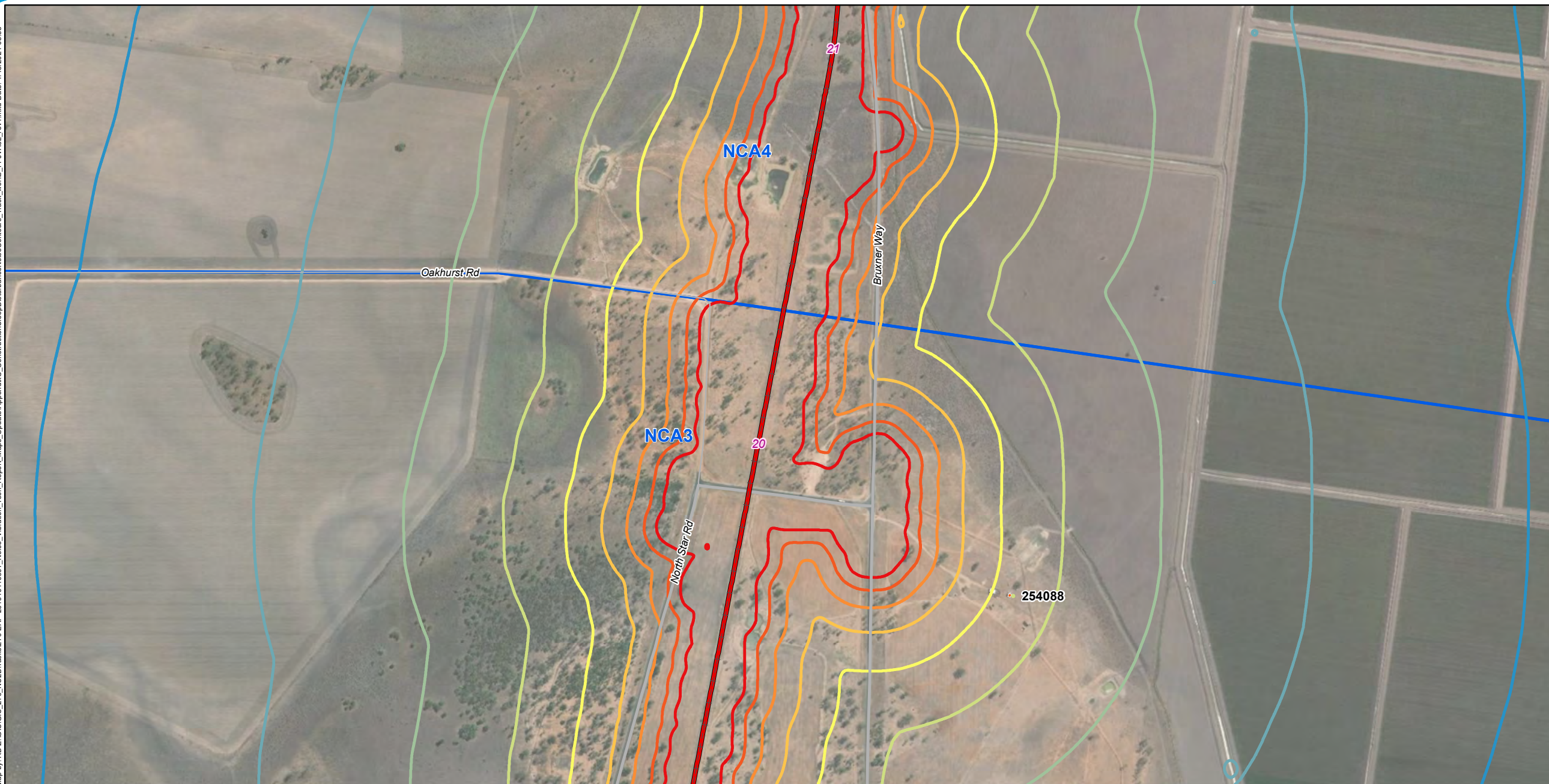
A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Track works (Map 12 of 19)

Map by: RB 2:GIS\GIS_270_NS2BTasks\270-EAP-2019\1011007_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3 NCA4

Sensitive receivers

- Residential



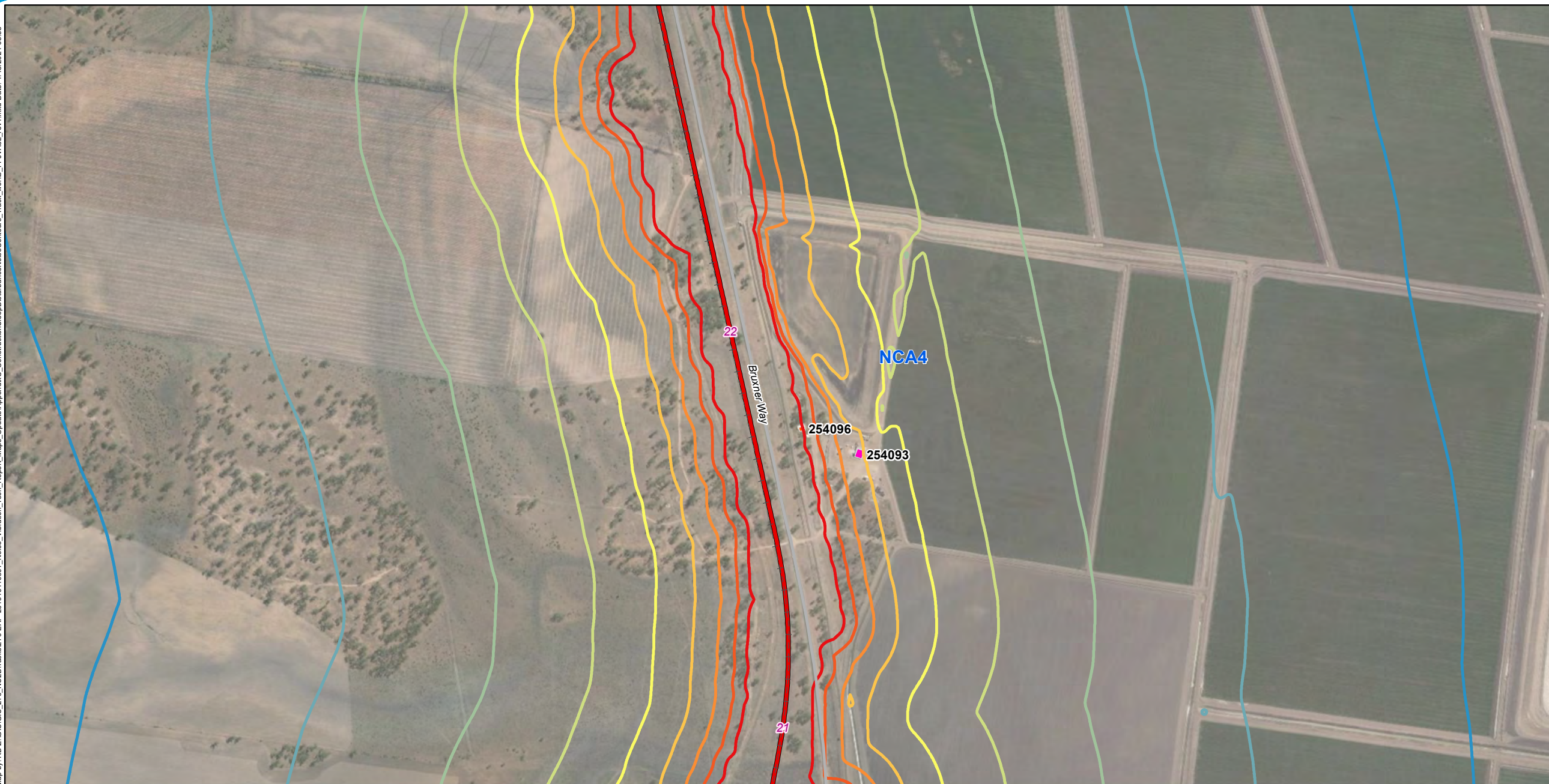
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Track works (Map 13 of 19)

Map by: RB 2:GIS\GIS_270_NS2BTasks\270-EAP-2019\11\0607 Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3L_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs

Sensitive receivers

- Residential
- Shed



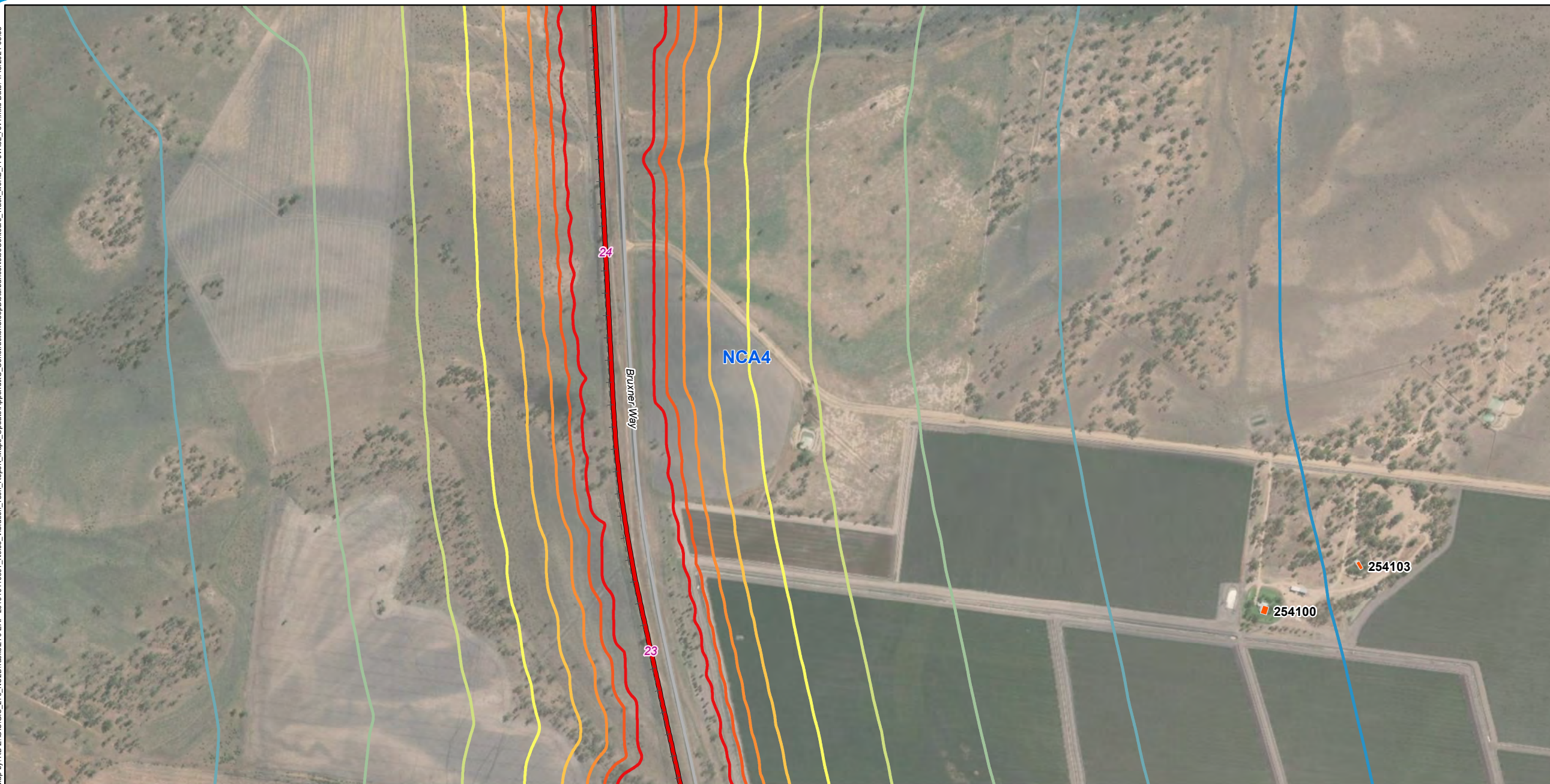
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Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Track works (Map 14 of 19)

Map by: RB 2:GIS\GIS_270_NS2BTasks\270-EAP-2019\10110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3L_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs

Sensitive receivers

- Residential



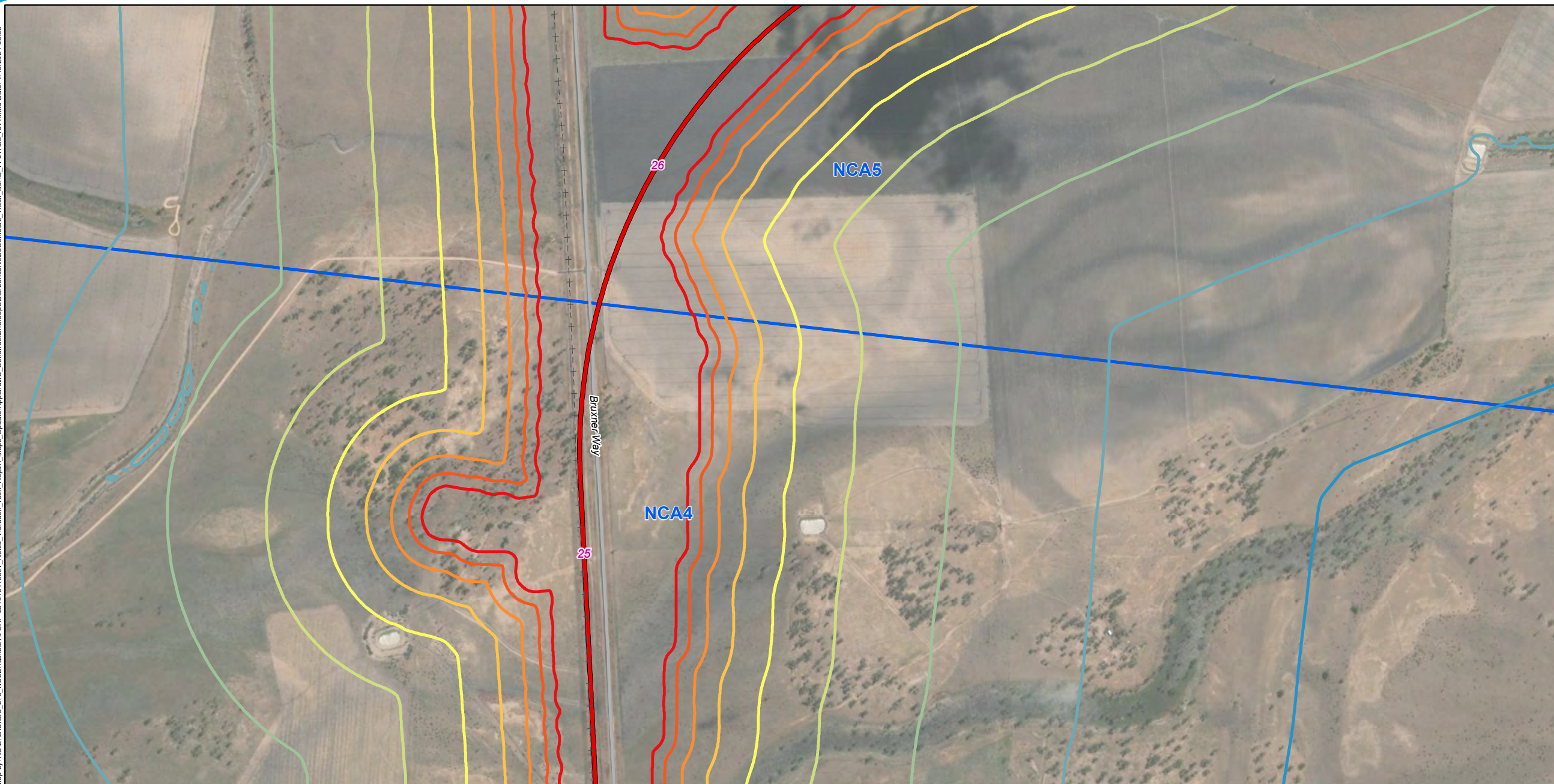
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Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Track works (Map 15 of 19)

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\11\0607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3L_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCAs



A3 scale: 1:10,500
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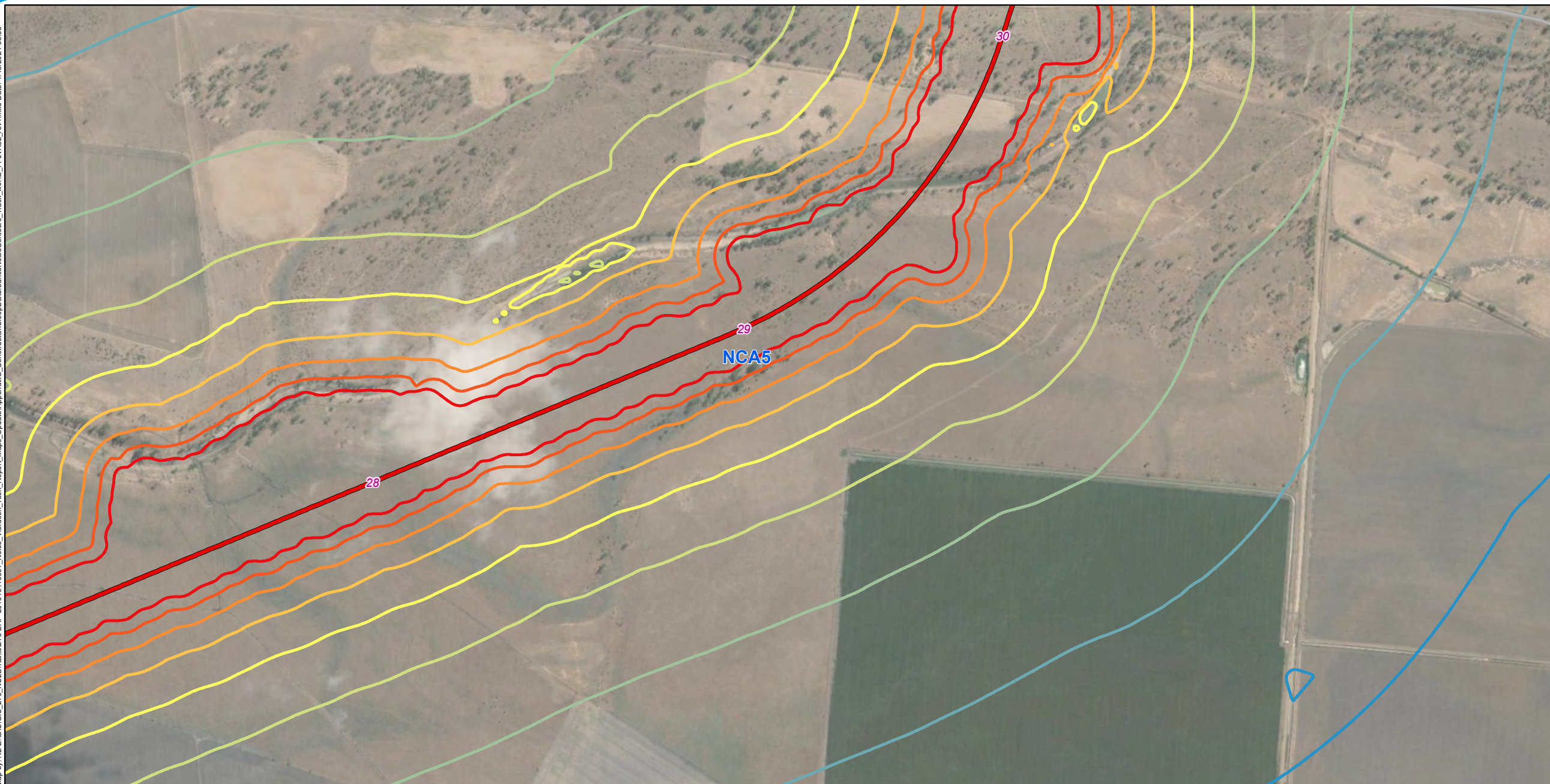


Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Appendix C: Construction sleep disturbance noise contours - Track works (Map 16 of 19)

Map by: RB 2:GIS/GIS_270_NSBT/Task270-EAP-2019/1011007 Noise_Vibration_Tech_Report_Maps_Update/AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF/IV3L_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5



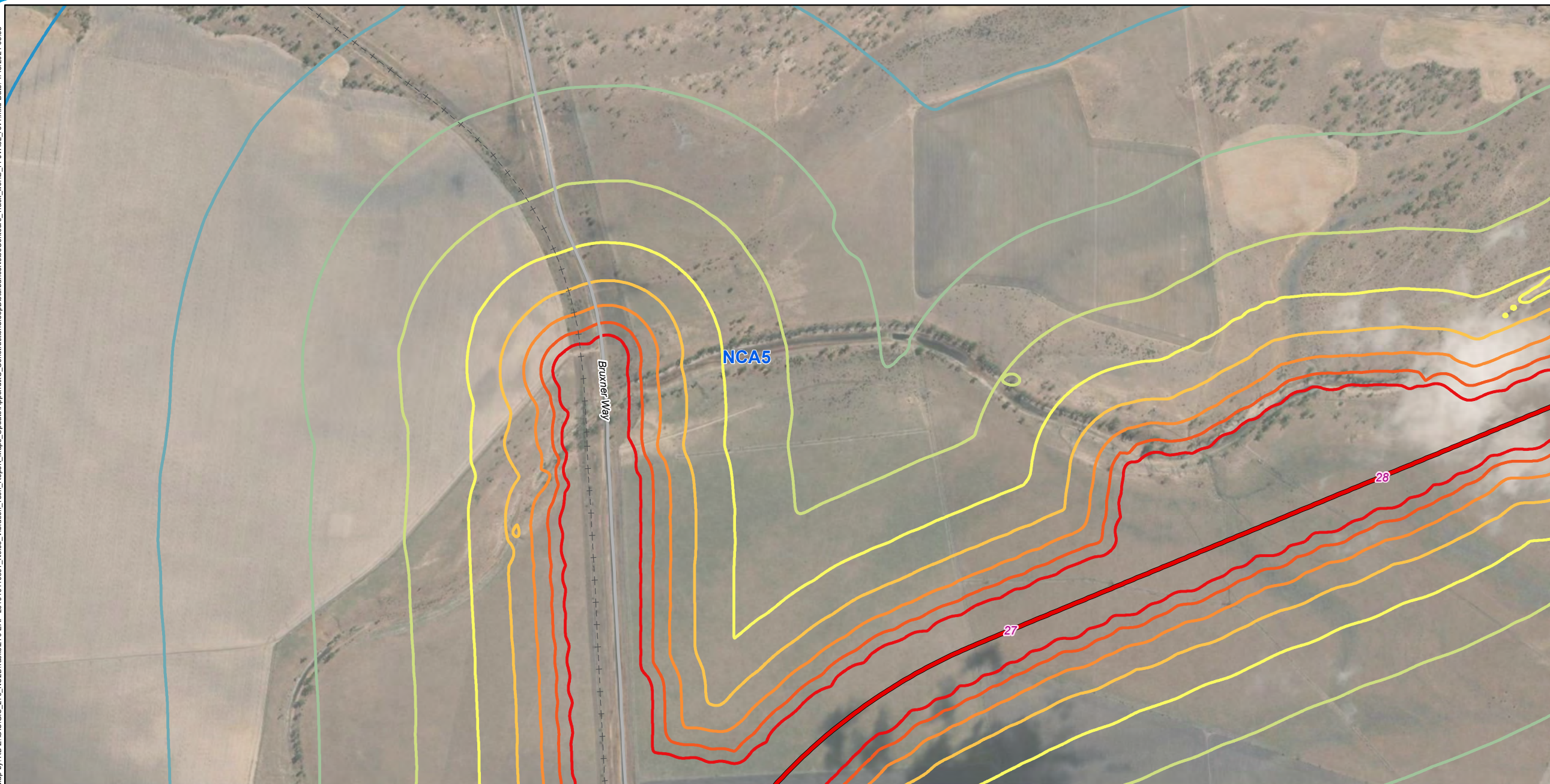
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Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Appendix C: Construction sleep disturbance noise contours -
Track works (Map 17 of 19)

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\1011007_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF\JVA3_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5



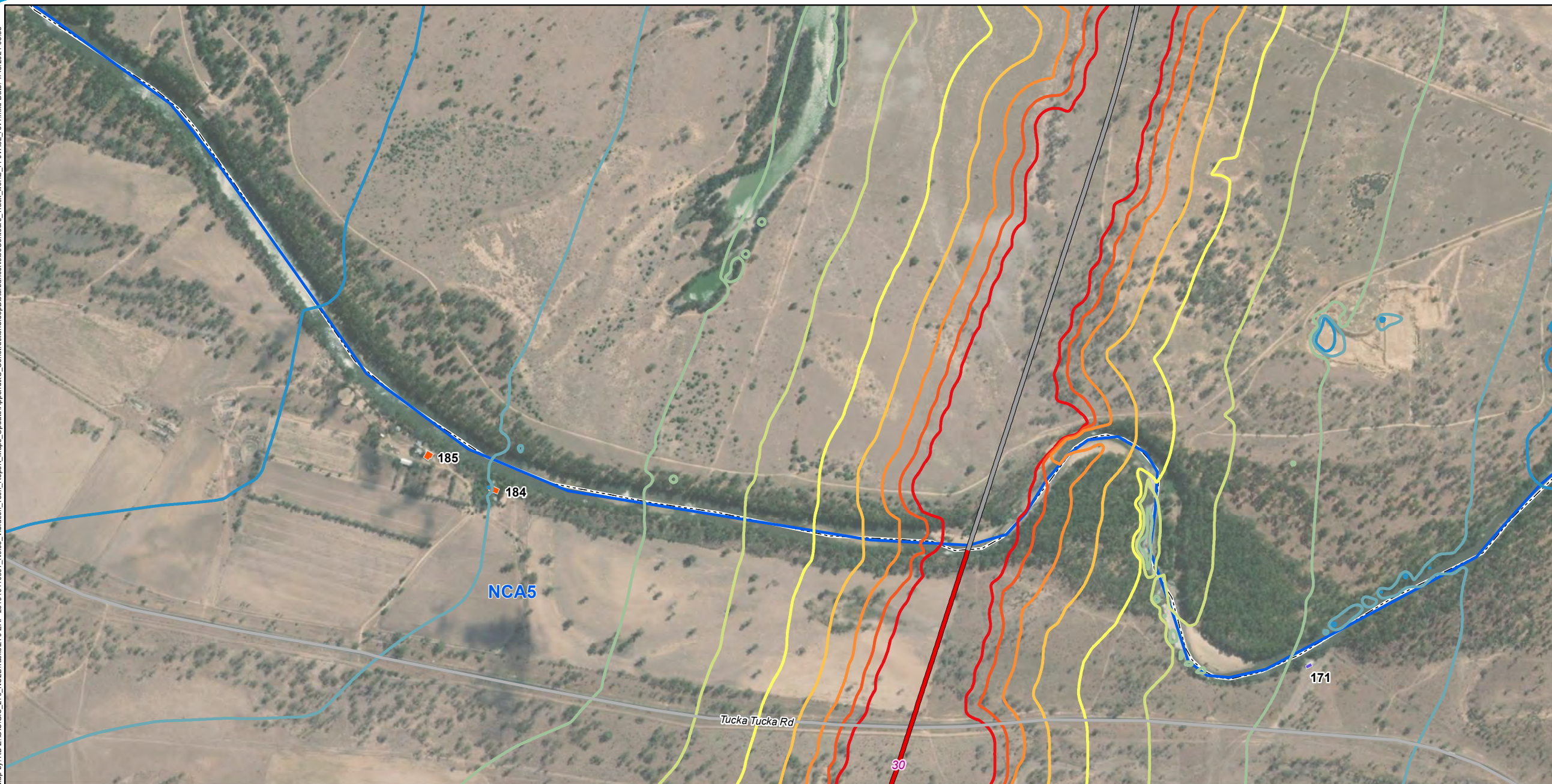
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0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Track works (Map 18 of 19)

Map by: RB 2:GIS/GIS_270_NS2BTasks270-EAP-201910110007 Noise_Vibration_Tech_Report_Map_Update/AppendixC_ConstructionSleepDisturbanceNoiseContours_Track_works_FF-IV3L_rev1.mxd Date: 11/15/2021 09:58



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- Adjoining alignments
- Major roads
- NSW/QLD border

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5

Sensitive receivers

- Industrial
- Residential

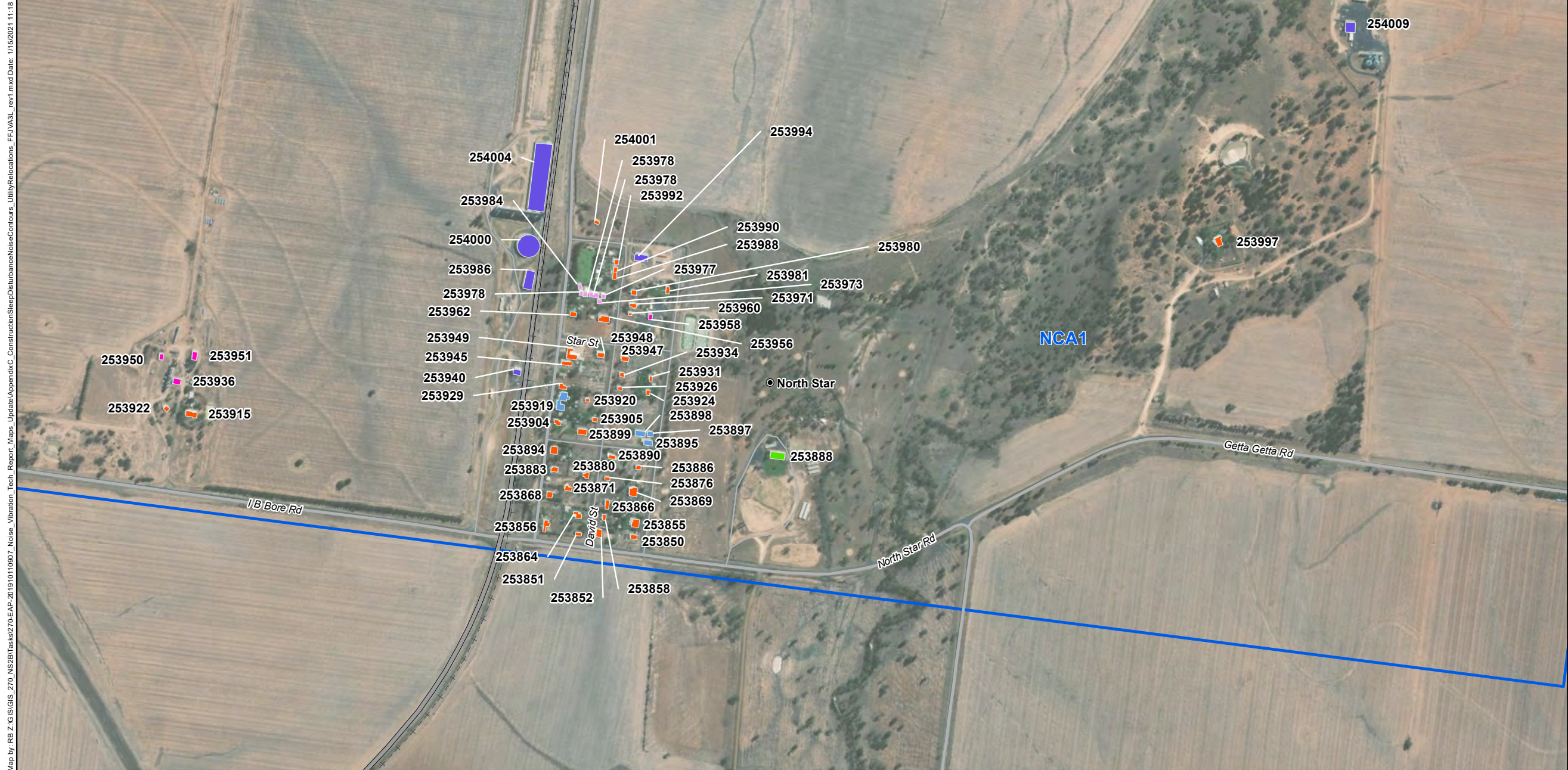


A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Track works (Map 19 of 19)



Legend

- 5 Chainage (km)
- Localities
- - - Existing rail (non-operational)
- Adjoining alignments
- Major roads
- Minor roads

Sound Pressure Level

$L_{A1, 1min, dB(A)}$

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA1

Sensitive receivers

- Active Recreation
- Commercial
- Industrial
- Residential
- School
- Shed



A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 1 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Adjoining alignments
- Major roads
- Minor roads

Sound Pressure Level

$L_{A1, 1min}$, dB(A)

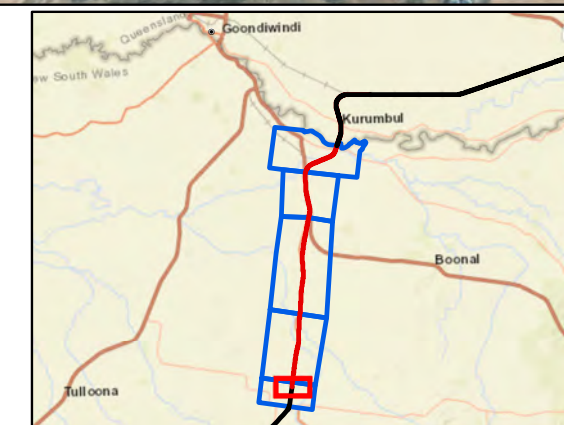
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA

Sensitive receivers

Industrial



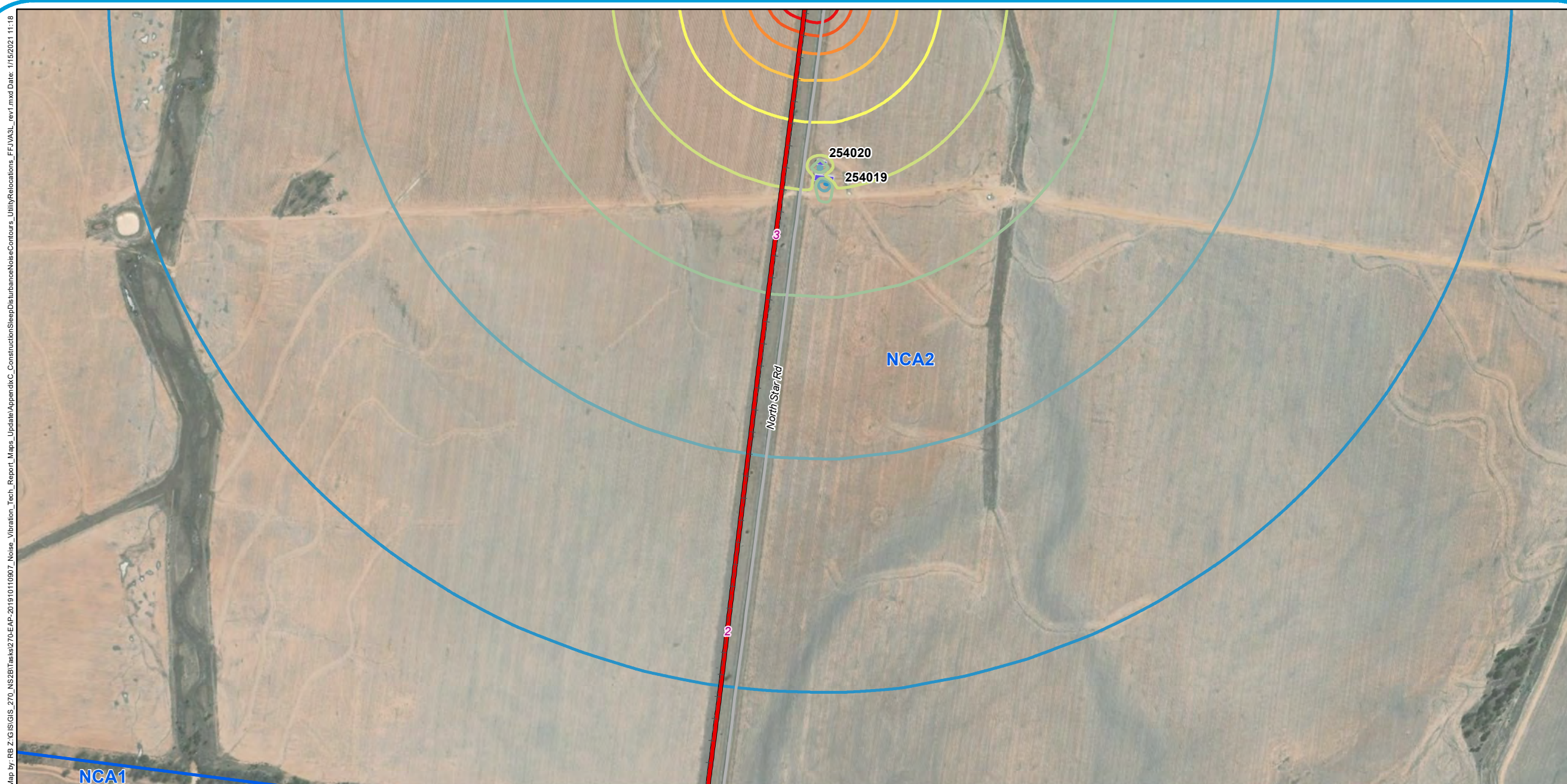
A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 2 of 19)

Map by: RB 2:GIS/GIS_270_NSBTtasks270-EAP-201910110607_Noise_Vibration_Tech_Report_Maps_Update/AppendixC_ConstructionSleepDisturbanceNoiseContours_FFVA31_rev1.mxd Date: 1/15/2021 11:18



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA's

Sensitive receivers

Industrial



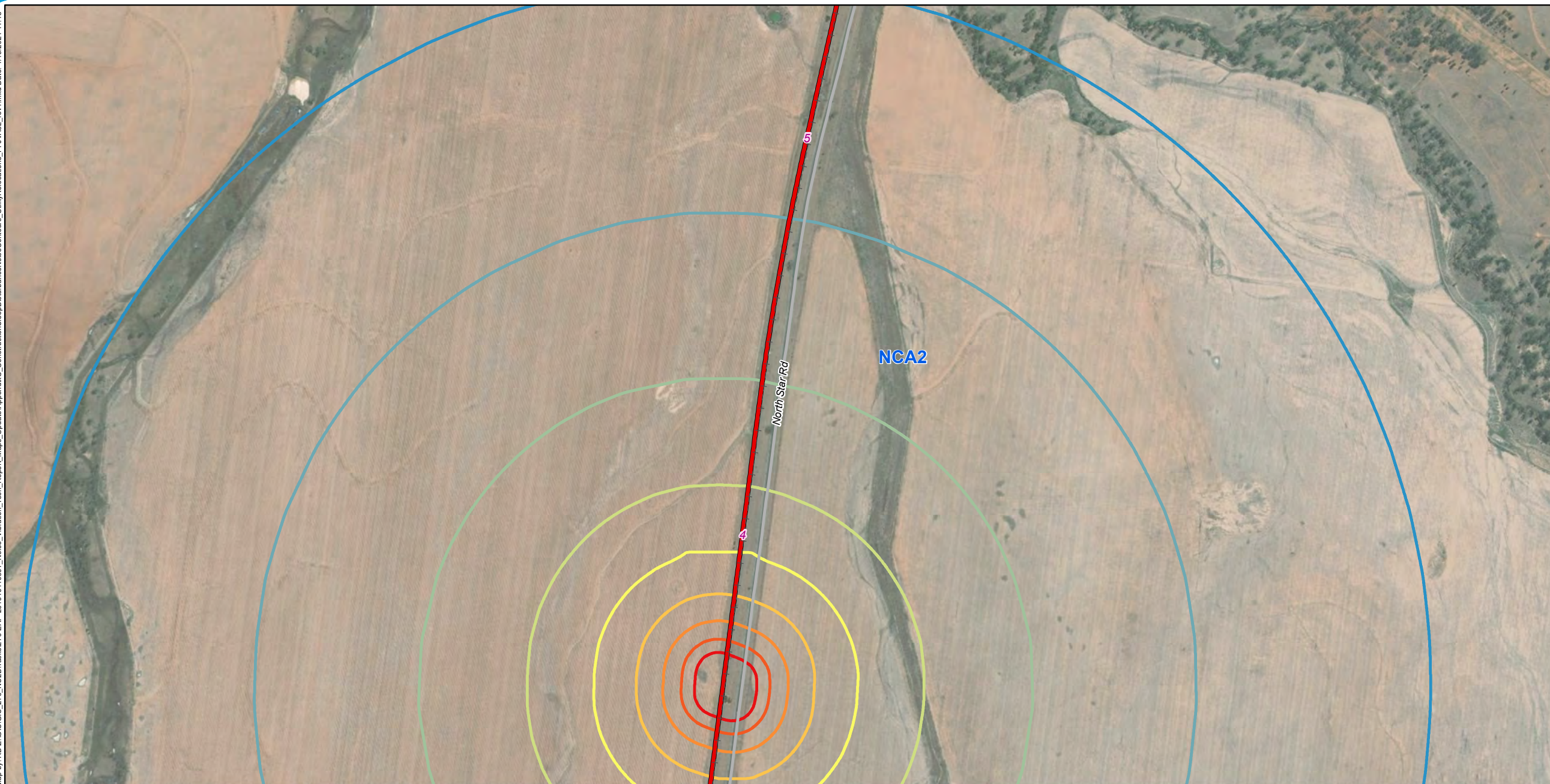
A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 3 of 19)

Map by: RB 2:GIS\GIS_270_NS2B\Tasks\270-EAP-2019\101007_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_FF\VA31_rev1.mxd Date: 1/15/2021 11:18



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA2



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4km



Issue date: 27/11/2019 Version: 0

Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 4 of 19)



Legend

- 5 Chainage (km)
- Existing rail (operational)
- Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

$L_{A1, 1min}$, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA2

Sensitive receivers

- Residential
- Shed



A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 5 of 19)

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\101007_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_FF\VA31_rev1.mxd Date: 1/15/2021 11:18



Legend

- 5 Chainage (km)
- - - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

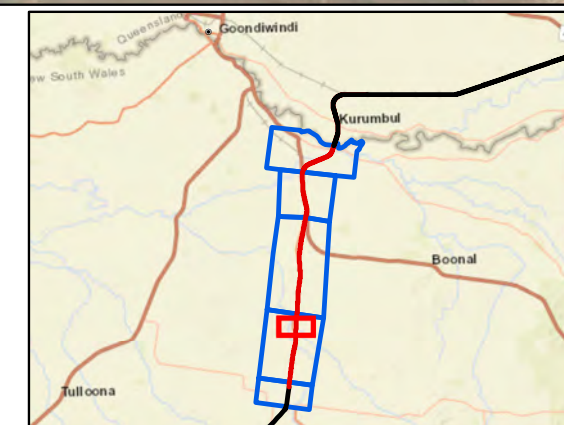
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA2

Sensitive receivers

- Residential
- Shed



A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 6 of 19)

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\10110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_UtilityRelocations_FF\VA31_rev1.mxd Date: 1/15/2021 11:18



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs

Sensitive receivers

- Residential
- Shed



Map by: RB 2: GIS/GIS_270_NSBT/Task270-EAP-2019/10110607_Noise_Vibration_Tech_Report_Map_Update/AppendixC_ConstructionSleepDisturbanceNoiseContours_FFVA31_rev1.mxd Date: 1/15/2021 11:18



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs

Sensitive receivers

- Residential
- Shed



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 8 of 19)

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\1010607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_UtilityRelocations_FF\VA31_rev1.mxd Date: 1/15/2021 11:18



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

- | | |
|----|----|
| 43 | 63 |
| 48 | 68 |
| 53 | 73 |
| 58 | 78 |
| | 83 |

NCA3



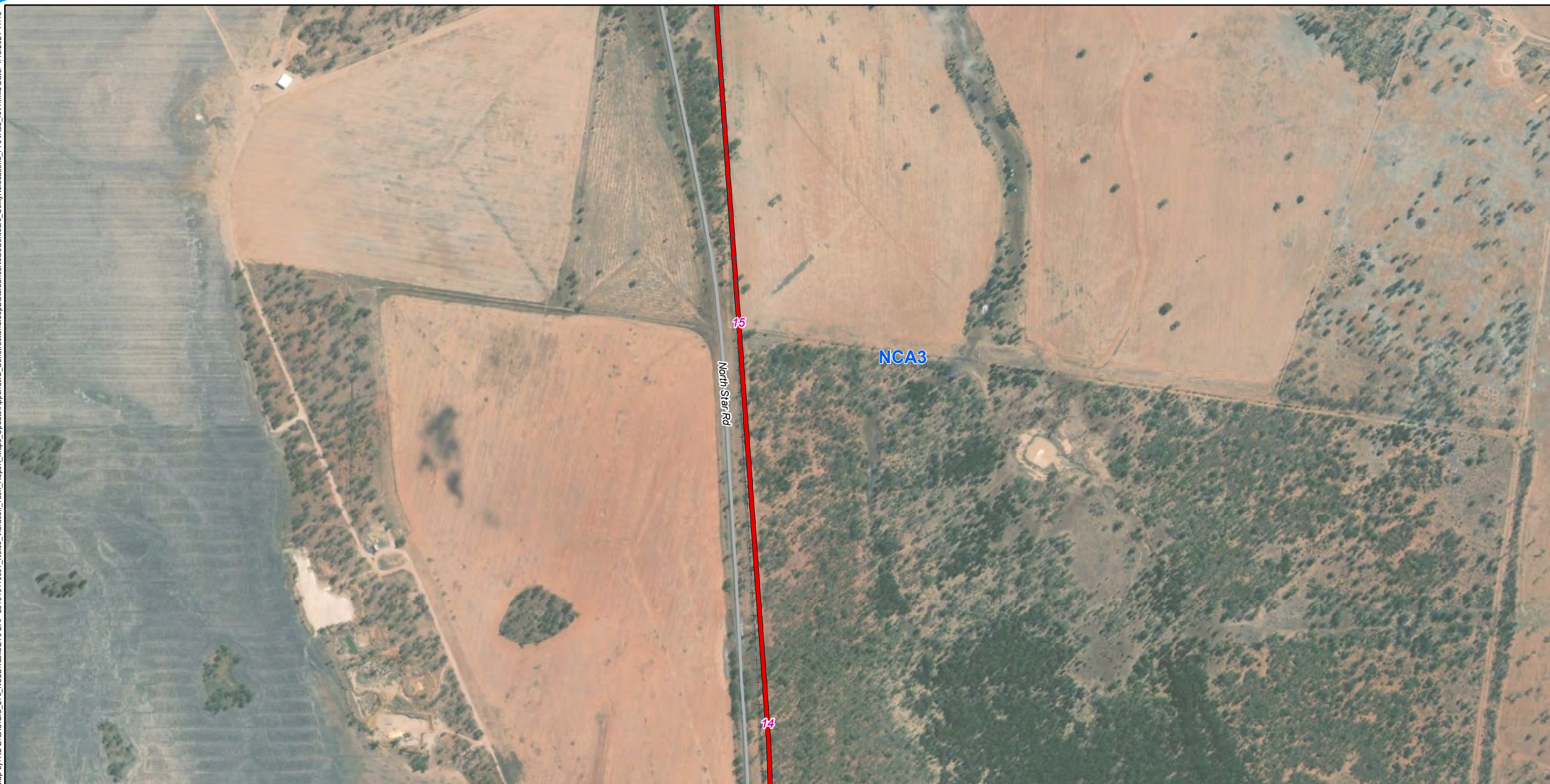
A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 9 of 19)

Map by: RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\10110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_UtilityRelocations_FF\VA31_rev1.mxd Date: 1/15/2021 11:18



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCAs



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4km



Issue date: 27/11/2019 Version: 0

Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 10 of 19)

Map by: RB 2:GIS\GIS_270_NS2B\Tasks\270-EAP-2019\10110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_UtilityRelocations_FF\VA31_rev1.mxd Date: 1/15/2021 11:18



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCAs



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 11 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

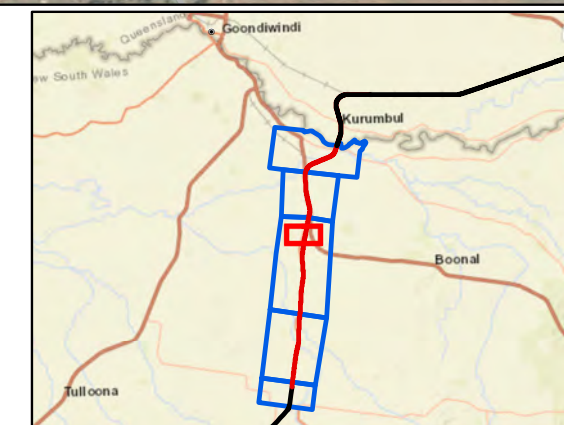
Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3



A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border
Appendix C: Construction sleep disturbance noise contours -
Utility relocations (Map 12 of 19)

Map by RB 2:GIS\GIS_270_NSBT\Tasks\270-EAP-2019\1010007_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_FF\VA31_rev1.mxd Date: 1/15/2021 11:18



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads
- Minor roads

Sound Pressure Level

LA1, 1min, dB(A)

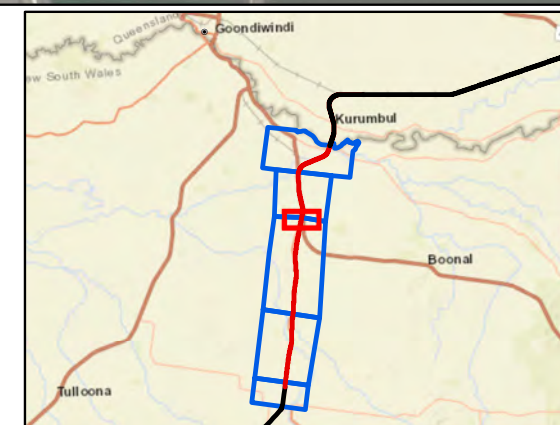
- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA3

Sensitive receivers

- Residential



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 13 of 19)

Map by: RB 2:GIS\GIS_270_NS2B\Tasks\270-EAP-2019\11\0607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_FF\VA31_rev1.mxd Date: 1/15/2021 11:18



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

LA1, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA's

Sensitive receivers

- Residential
- Shed



A3 scale: 1:10,500
0 0.08 0.16 0.24 0.32 0.4km



Issue date: 27/11/2019 Version: 0
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 14 of 19)

Map by RB 2:GIS\GIS_270_NS2BTasks\270-EAP-2019\10110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixC_ConstructionSleepDisturbanceNoiseContours_UtilityRelocations_FF\VA31_rev1.mxd Date: 1/15/2021 11:18



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs

Sensitive receivers

- Residential

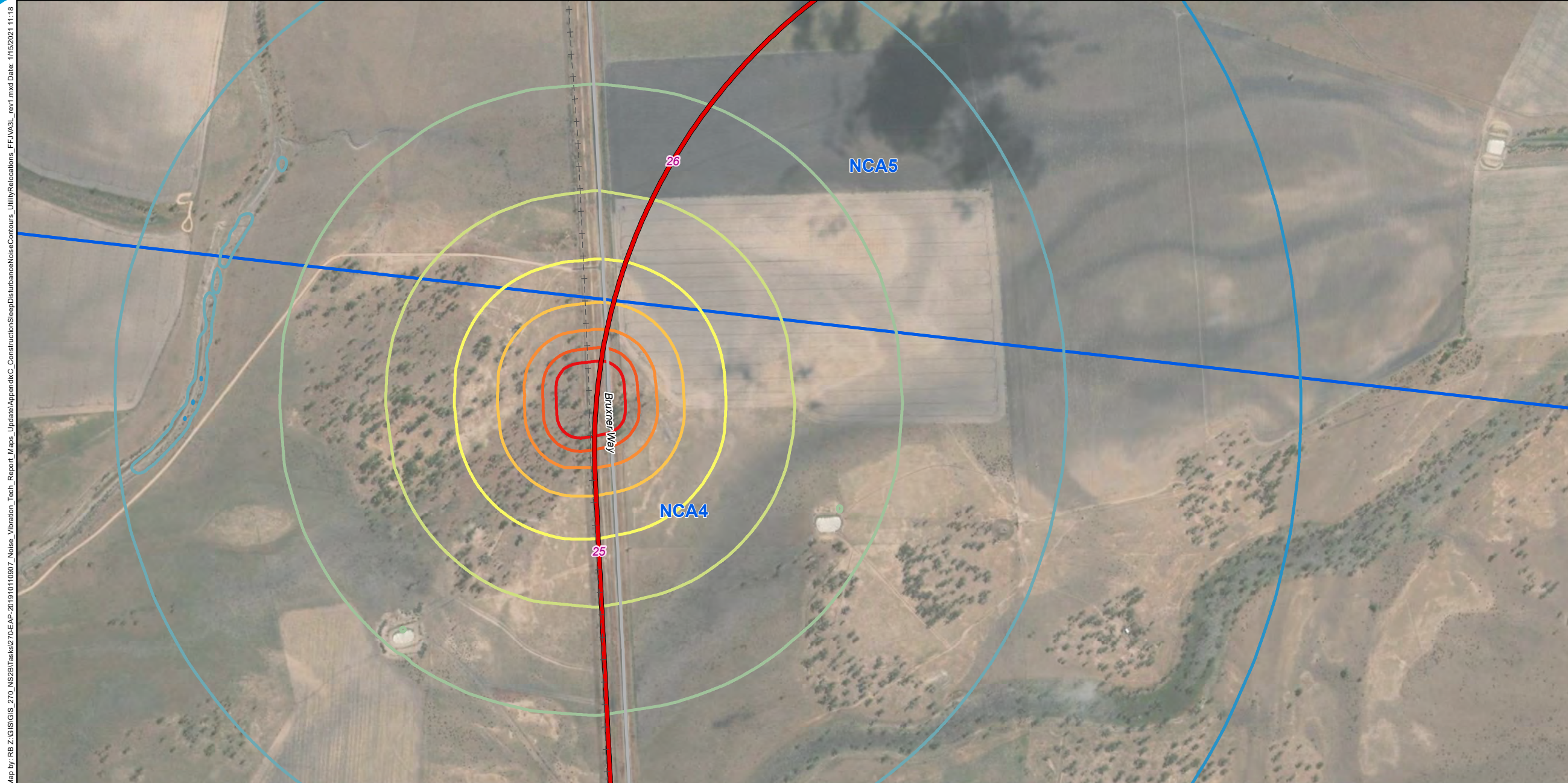


A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 15 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 16 of 19)



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- Major roads

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCAs



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 17 of 19)



Legend

- 5 Chainage (km)
- + - Existing rail (non-operational)
- North Star to NSW/QLD border alignment
- Major roads

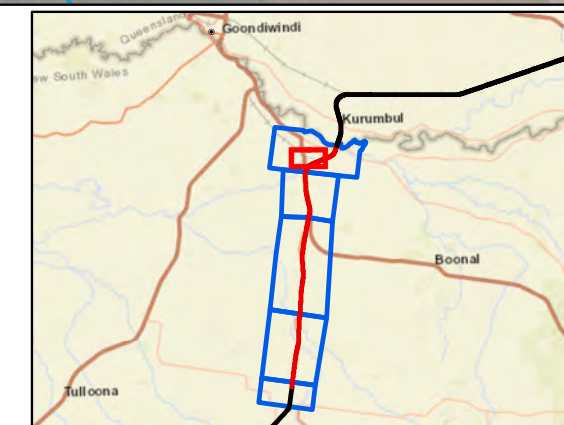
Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

□ NCAs



A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0

Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border

Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 18 of 19)

Map by: RB 2:GIS/GIS_270_NS2BTasks270-EAP-201910110607 Noise_Vibration_Tech_Report_Map_Update/AppendixC_ConstructionSleepDisturbanceNoiseContours_FFVA31_rev1.mxd Date: 1/15/2021 11:18



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- Adjoining alignments
- Major roads
- NSW/QLD border

Sound Pressure Level

L_{A1}, 1min, dB(A)

- 43
- 48
- 53
- 58

- 63
- 68
- 73
- 78
- 83

NCA5

Sensitive receivers

- Industrial
- Residential



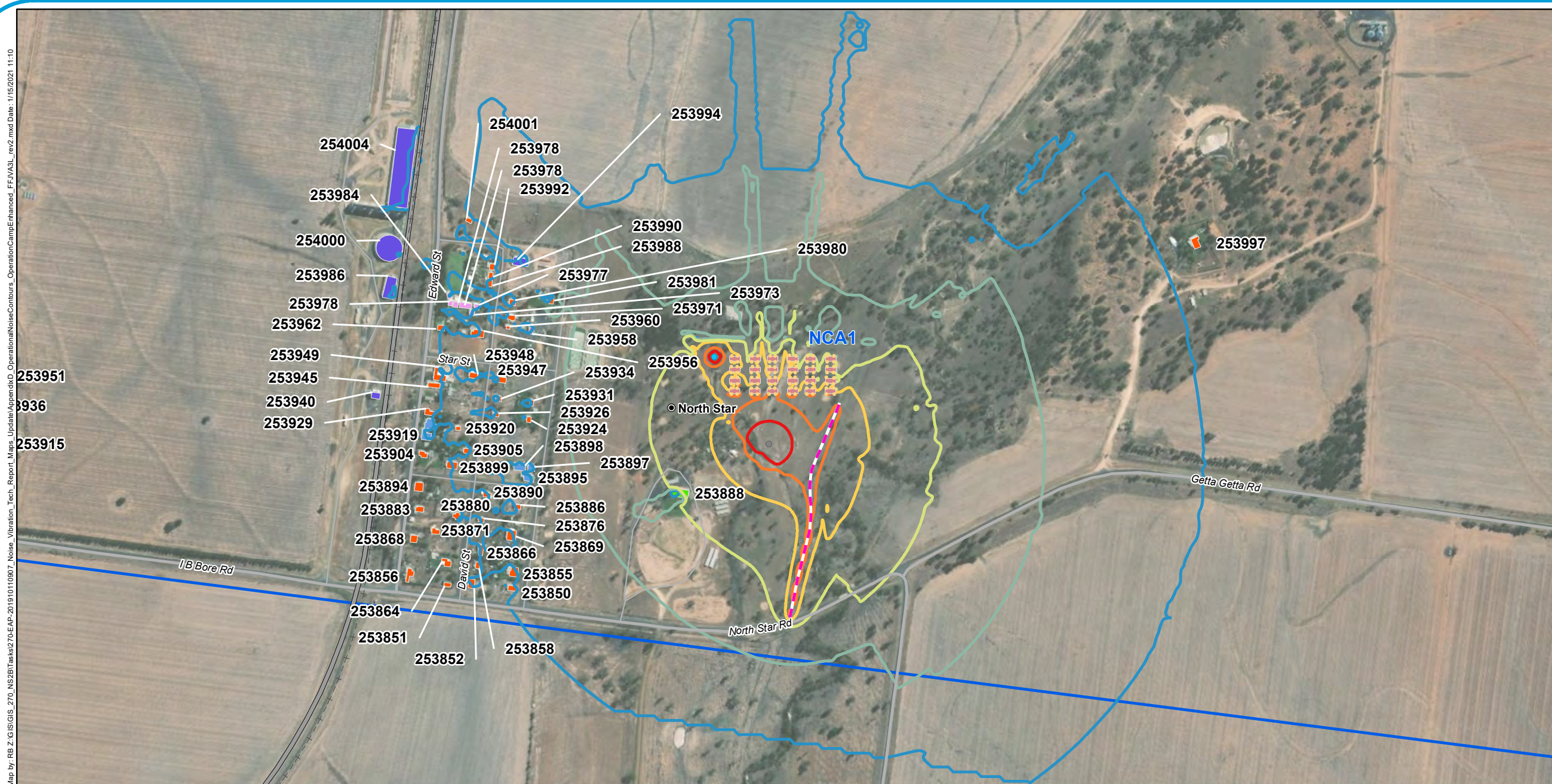
A3 scale: 1:10,500
 0 0.08 0.16 0.24 0.32 0.4 km



Issue date: 27/11/2019 Version: 0
 Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix C: Construction sleep disturbance noise contours - Utility relocations (Map 19 of 19)

Map by: RB 2:GIS/GIS_270_NS2BTasks270-EAP-201910110607 Noise_Vibration_Tech_Report_Maps_Update/AppendixD_OperationalNoiseContours_OperationCampEnhanced_FFIVASL_rev2.mxd Date: 1/15/2021 11:10



Legend

- 5 Chainage (km)
- Localities
- - - Existing rail (non-operational)
- Adjoining alignments
- Major roads
- Minor roads
- Sewage treatment plant
- Genset
- Camp air conditioner
- Camp vehicle movements
- Indicative construction camp buildings

Sound Pressure Level

L_{Aeq} , dB(A)

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

NCA1

Sensitive receivers

- Active Recreation
- Commercial
- Industrial
- Residential
- School
- Shed



A3 scale: 1:9,000
0 0.05 0.1 0.15 0.2 0.25 Kilometers



Issue date: 30/10/2019 Version: 1
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix D: Operational noise contours - Operation camp - enhanced

Map by: RB 2:GIS\GIS_270_NS2B\Tasks\270-EAP-2019\10110607_Noise_Vibration_Tech_Report_Maps_Update\AppendixD_OperationalNoiseContours_OperationCampNeutral_FF\VA3L_rev2.mxd Date: 1/15/2021 11:07



Legend

- 5 Chainage (km)
- Localities
- - - Existing rail (non-operational)
- Adjoining alignments
- Major roads
- Minor roads
- Sewage treatment plant
- Genset
- Camp air conditioner
- Camp vehicle movements
- Indicative construction camp buildings

Sound Pressure Level

L_{Aeq} , dB(A)

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

■ NCAs

Sensitive receivers

- Active Recreation
- Commercial
- Industrial
- Residential
- School
- Shed



A3 scale: 1:8,000
0 0.05 0.1 0.15 0.2 0.25 Kilometers



Issue date: 30/10/2019 Version: 1
Coordinate System: GDA 1994 MGA Zone 56

North Star to NSW/QLD border Appendix D: Operational noise contours - Operation camp - neutral