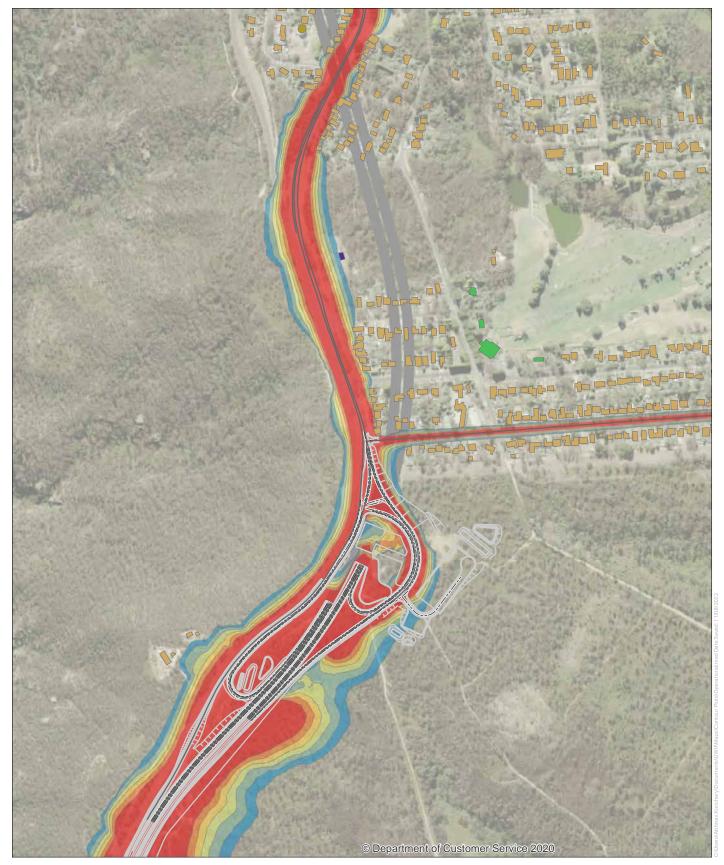


Appendix G Noise and vibration (part 2)

Annexure

Operational road traffic noise contours



Road Traffic Noise - Design Year 2040 - Day

Legend Sound Pressure Level $L_{Aeq, 15hr} dB(A)$ Active Recreation Commercial Community 6 6 6 6 6 6 Education Tunnel Hospital ---- Roads affected by Project Industrial ---- Assessed roads Office Place Of Worship Residential Buildings not assessed

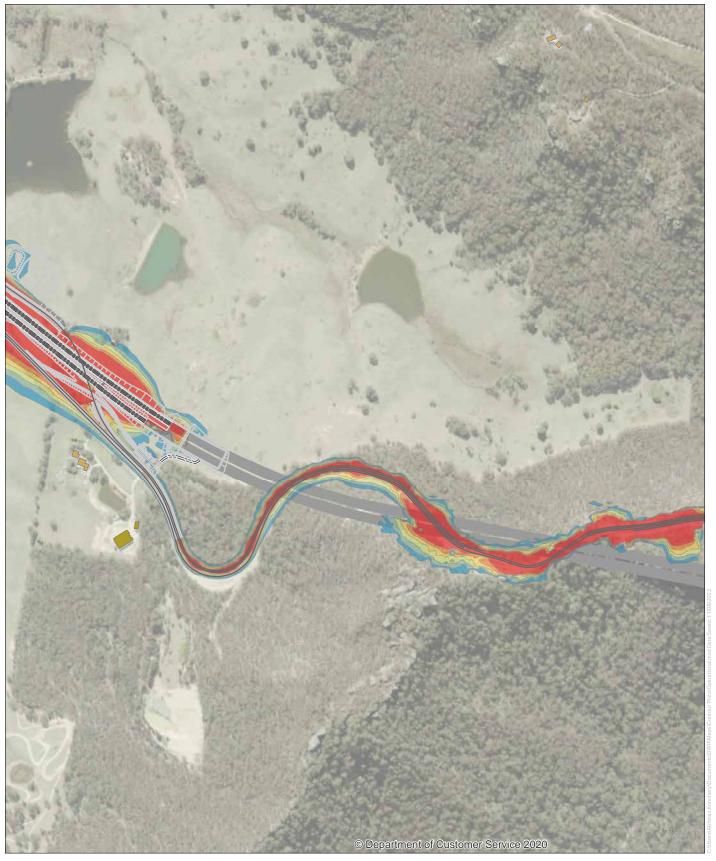


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Road Traffic Noise - Design Year 2040 - Day

Legend Active Recreation Commercial Community Education Hospital Industrial Office Place Of Worship Residential Buildings not assessed

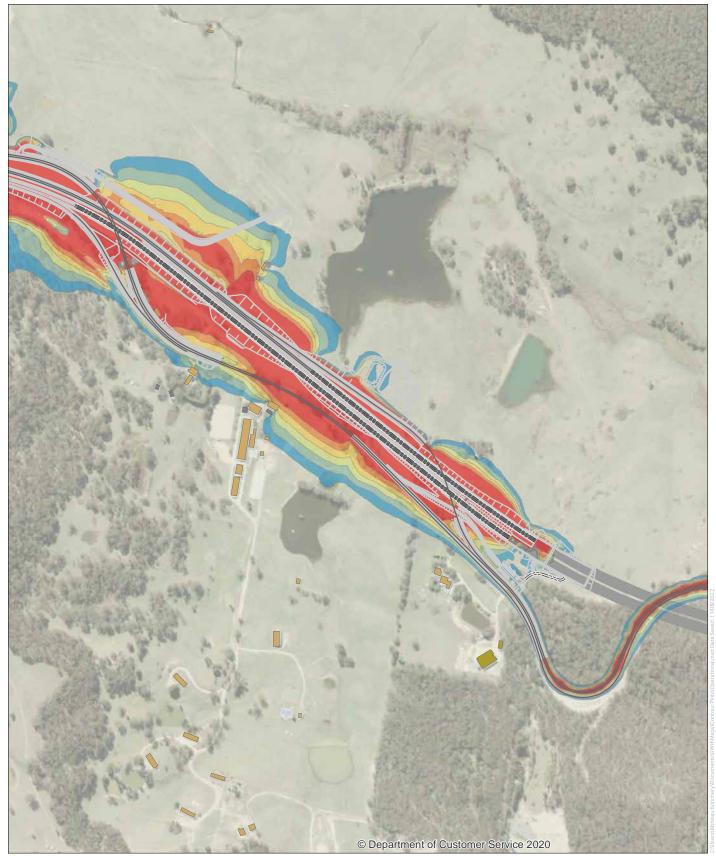


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Road Traffic Noise - Design Year 2040 - Day

Legend Active Recreation Commercial Community Education Hospital Industrial Office Place Of Worship Residential Buildings not assessed

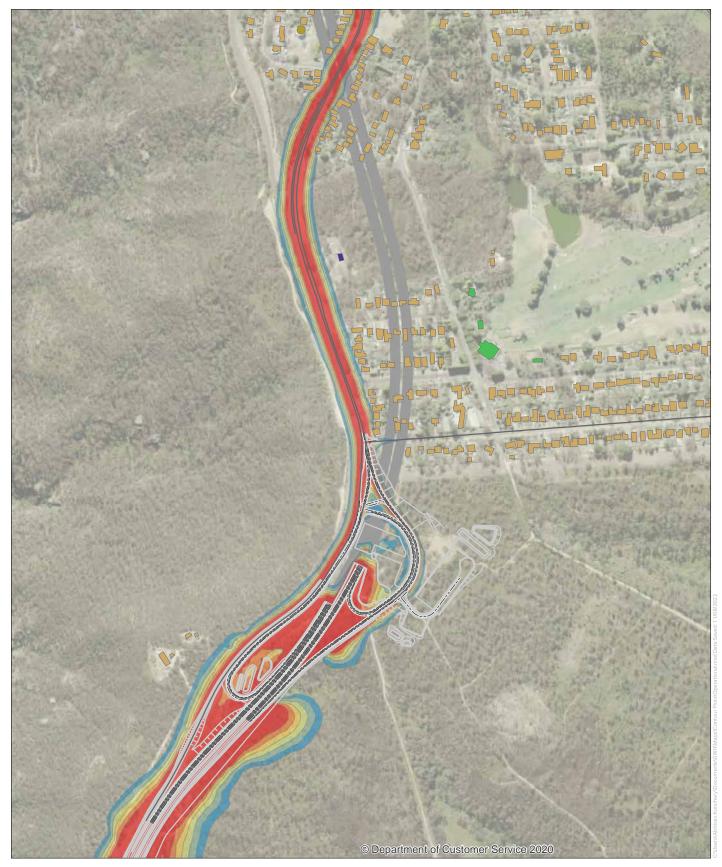


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Road Traffic Noise - Design Year 2040 - Night

Legend Sound Pressure Level $L_{\text{Aeq, 9hr}}$ dB(A) Active Recreation Commercial Community 8 8 8 8 8 8 Education Tunnel Hospital ---- Roads affected by Project Industrial ---- Assessed roads Office Place Of Worship Residential Buildings not assessed



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Road Traffic Noise - Design Year 2040 - Night

Legend Active Recreation Sound Pressure Level L_{Aeq, 9hr} dB(A) Commercial Community 60 63 63 63 64 65 Education Tunnel Hospital ---- Roads affected by Project Industrial ---- Assessed roads Office Place Of Worship Residential Buildings not assessed

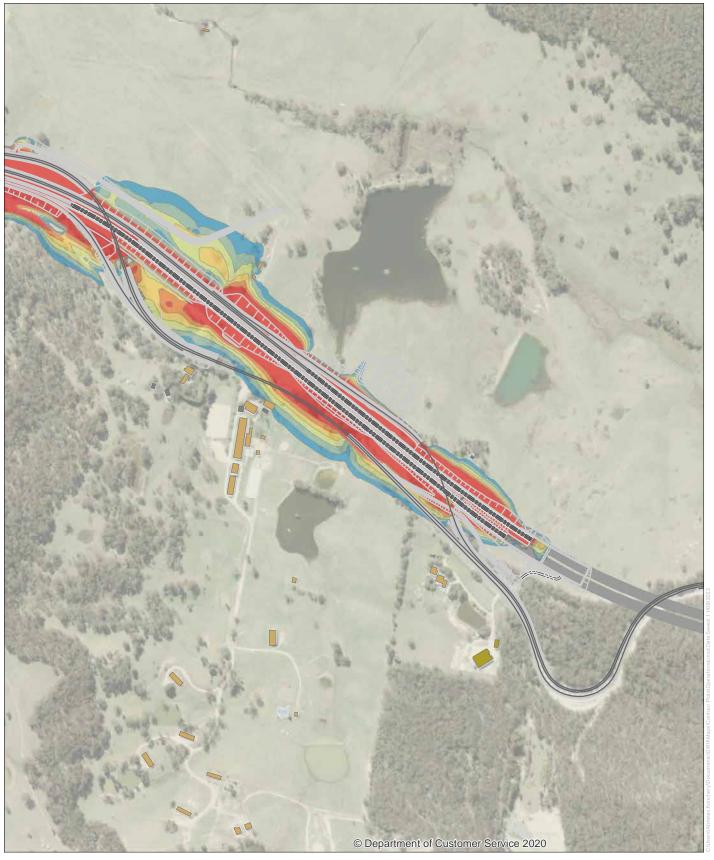


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Road Traffic Noise - Design Year 2040 - Night

Legend Sound Pressure Level L_{Aeq, 9hr} dB(A) Active Recreation Commercial Community 60 63 63 63 64 65 Education Tunnel Hospital ---- Roads affected by Project Industrial ---- Assessed roads Office Place Of Worship Residential Buildings not assessed



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Annexure J

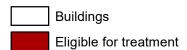
Receivers identified for consideration of additional mitigation



GWH - Buildings Eligible for Treatment



Legend



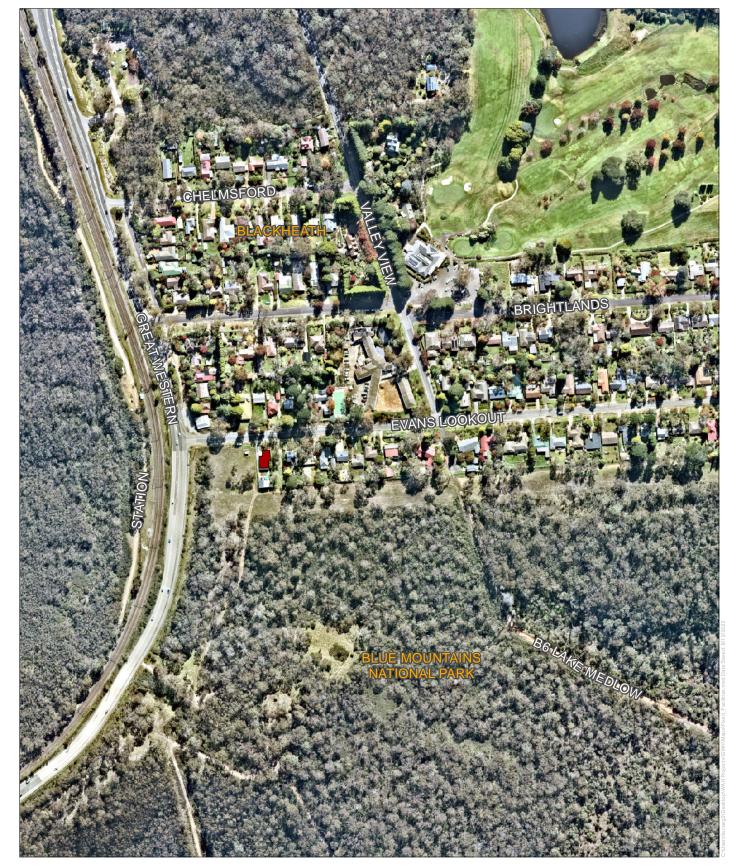
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Annexure K

Receivers affected by industrial noise



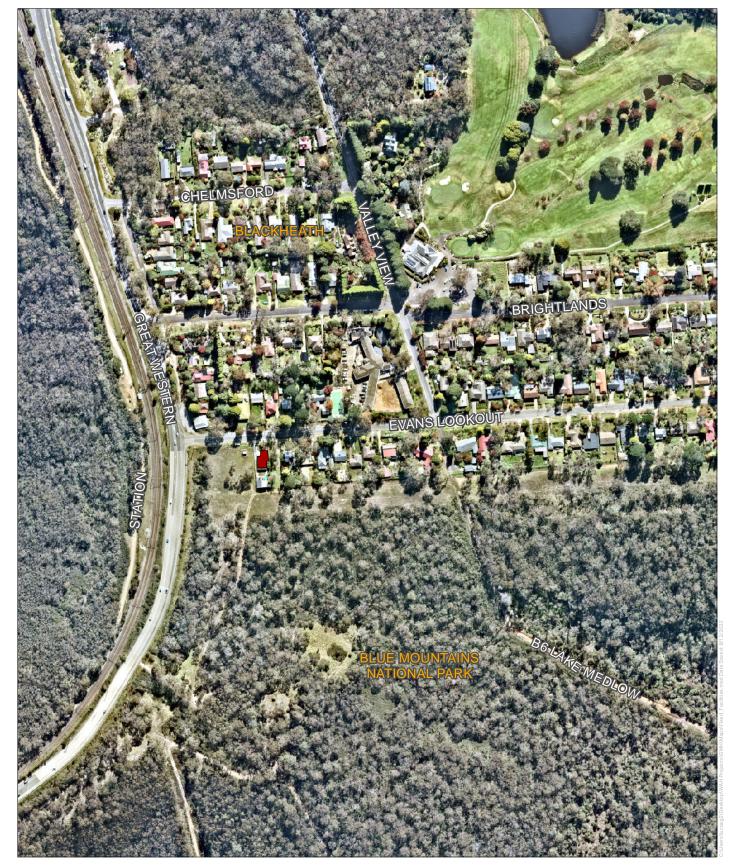
GWH - Operational noise from fixed facilities Scenario 1 – portal ventilation





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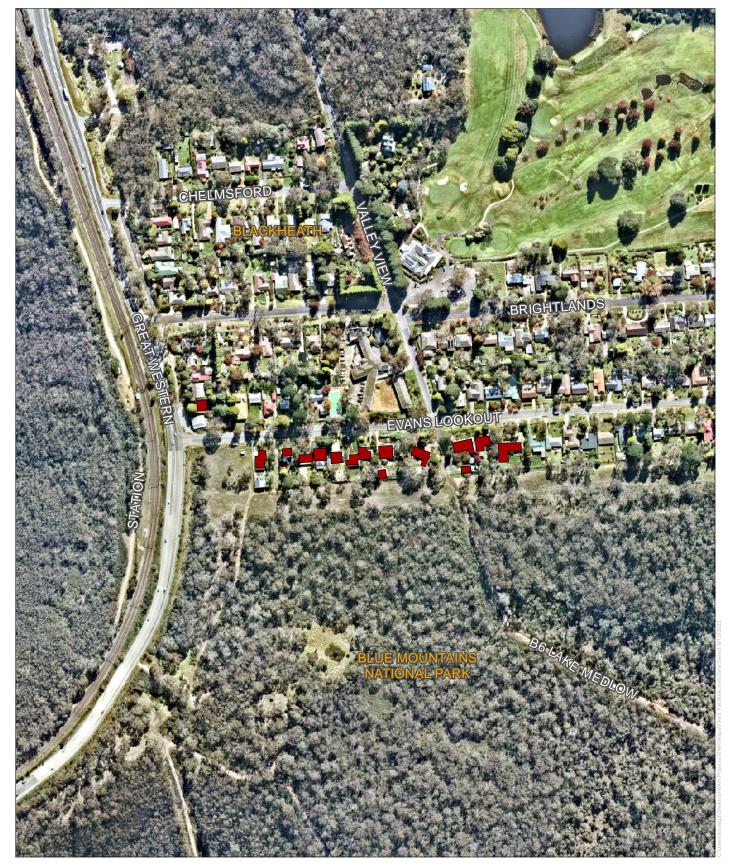
GWH - Operational noise from fixed facilities Scenario 2 – portal ventilation





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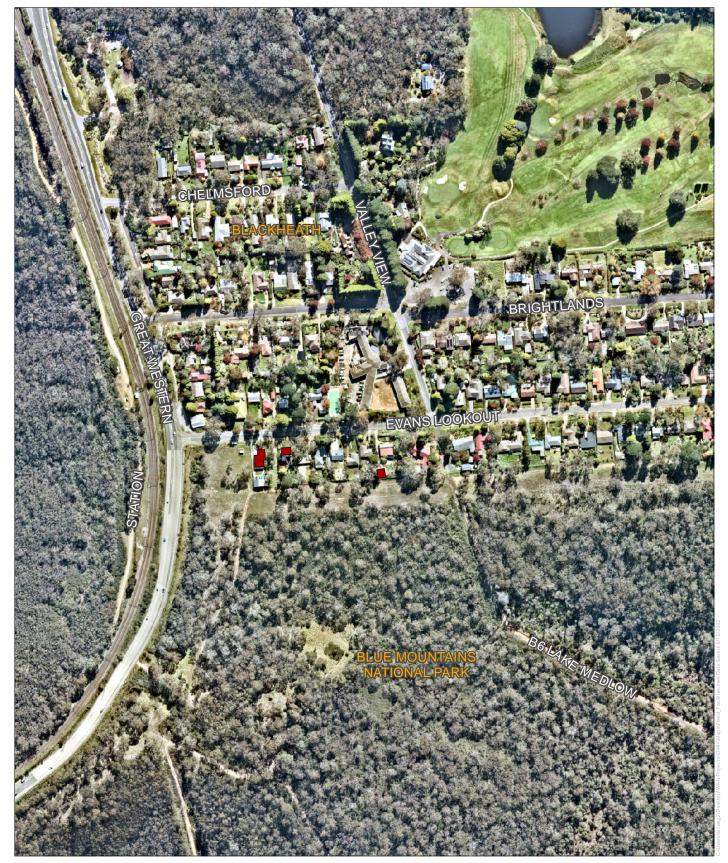
GWH - Operational noise from fixed facilities Scenario 3 – portal ventilation





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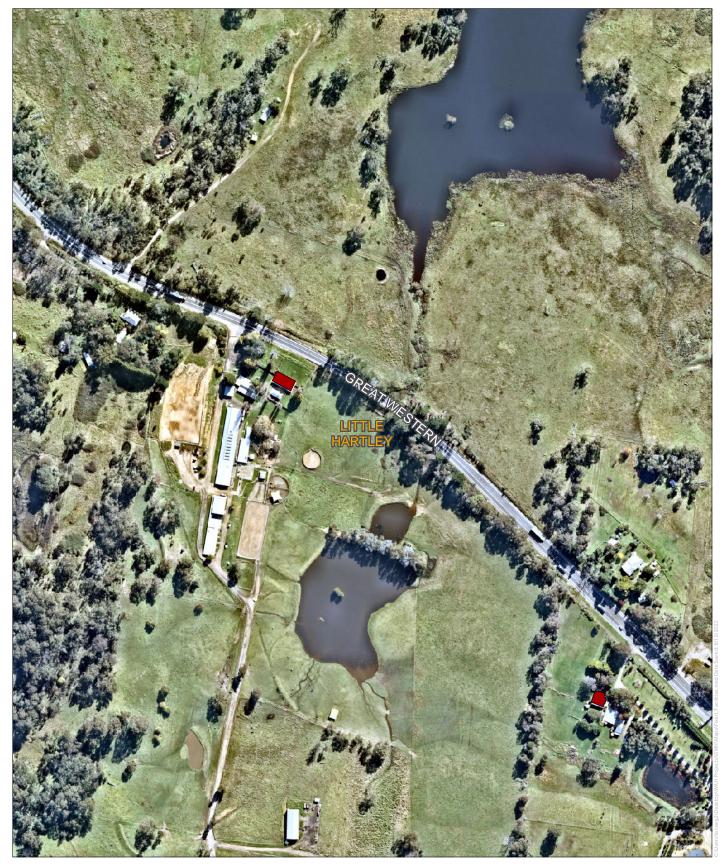
GWH - Operational noise from fixed facilities Scenario 4 – ventilation outlet





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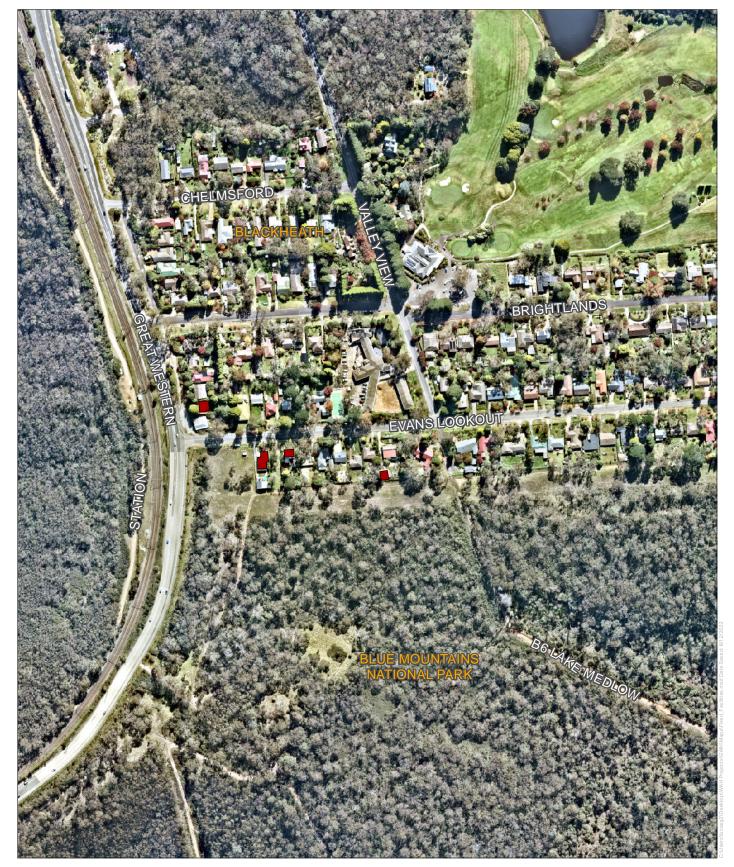
GWH - Operational noise from fixed facilities Scenario 4 – ventilation outlet





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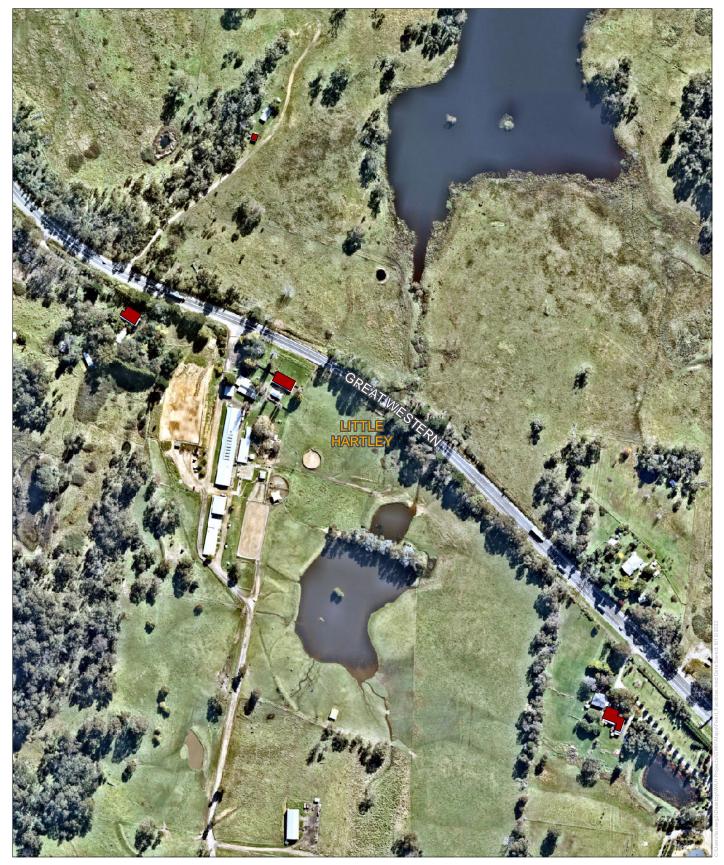
GWH - Operational noise from fixed facilities Scenario 5 – ventilation outlet





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GWH - Operational noise from fixed facilities Scenario 5 – ventilation outlet





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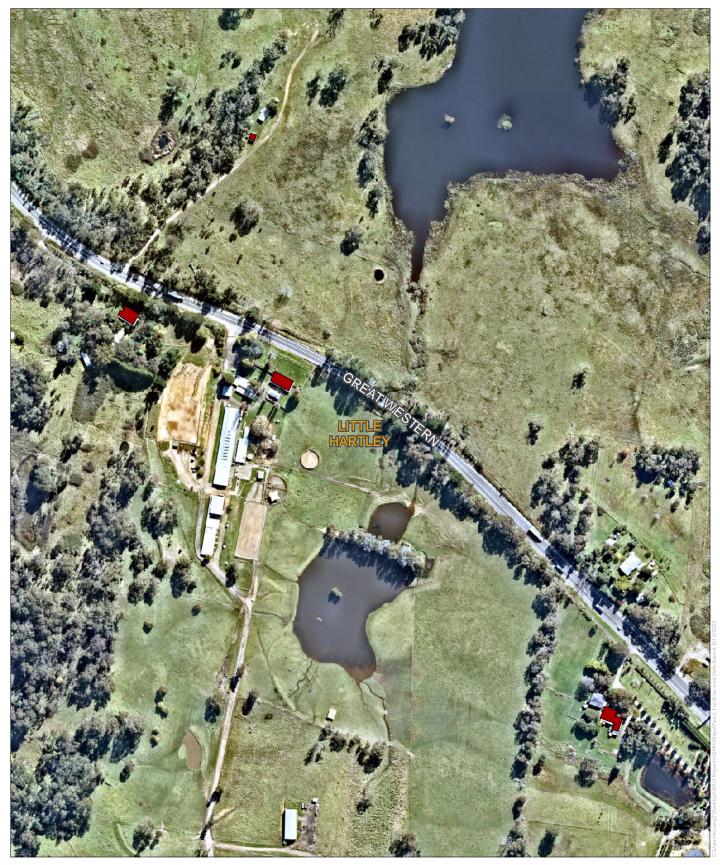
GWH - Operational noise from fixed facilities Scenario 6 – ventilation outlet





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GWH - Operational noise from fixed facilities Scenario 6 – ventilation outlet



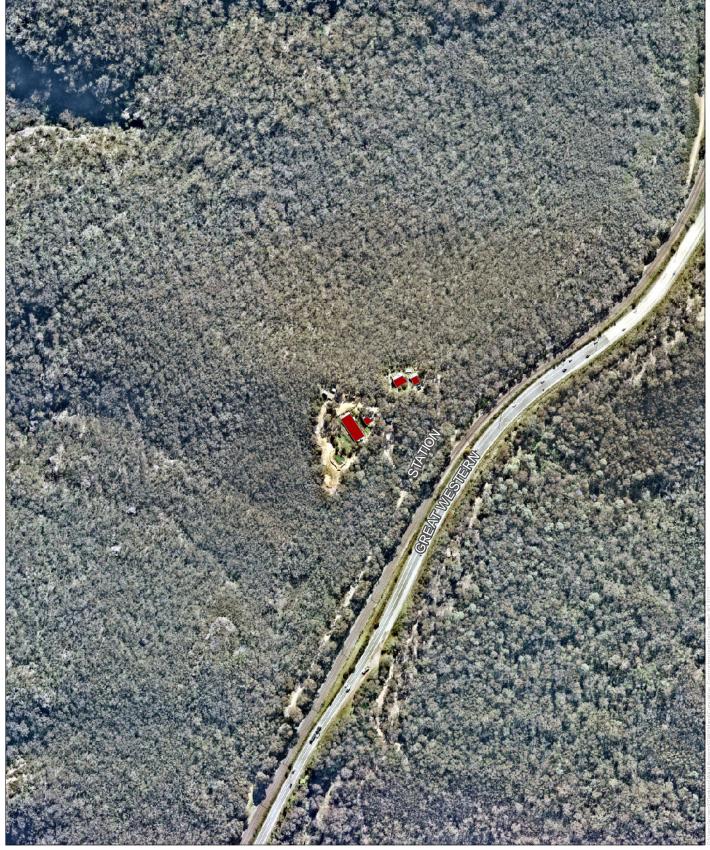


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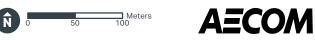
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Annexure L

Receivers potentially affected by cumulative impacts



GWH - Potential cumulative construction noise impacts



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Source: Nearmap 202

Potential cumulative construction noise impacts



3 dB



GWH - Potential cumulative construction noise impacts





Potential cumulative construction noise impacts

1-2 dB 3 dB



GWH - Potential cumulative construction noise impacts





Potential cumulative construction noise impacts



1-2 dB

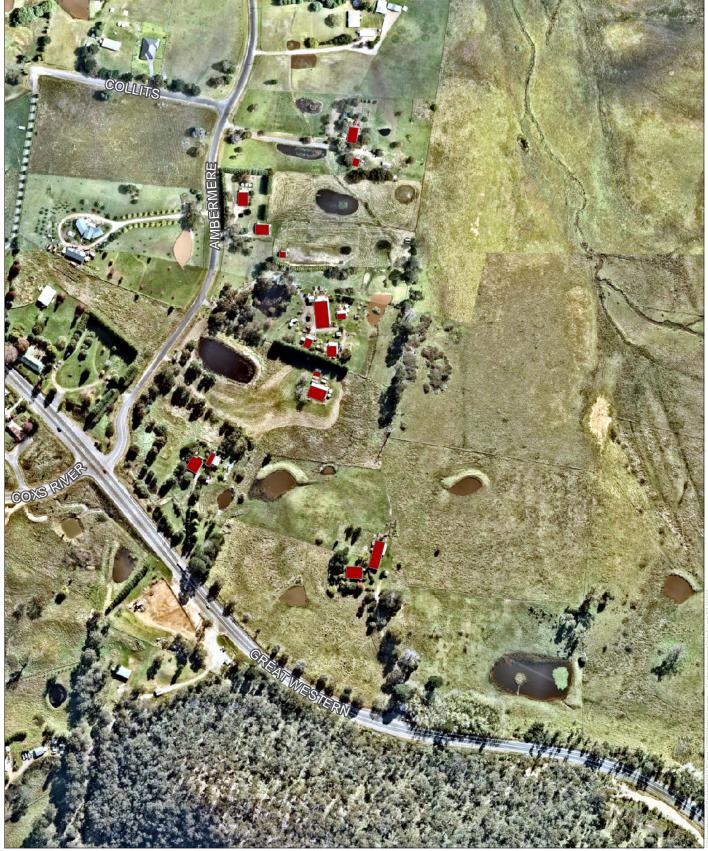


3 dB

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GWH - Potential cumulative construction noise impacts



Potential cumulative construction noise impacts

3 dB

1-2 dB