

# **APPENDICES**

**Appendix A    Noise Source Sound Power Levels**

**Appendix B    Representative Noise Level Contours**

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# **Appendix A**

## **Noise Source Sound Power Levels**

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**Table A1**  
**Noise Source Sound Power Levels, L<sub>w</sub>**

<b>Noise Source</b>	<b>L<sub>w</sub>,dB(A)</b>	
<b>Surface works noise sources</b>	<b>(L<sub>Aeq</sub>)</b>	
Building fabrication at surface facilities	107	
Front end loader	114	
2 x Topsoil scrapers	115	
Overburden truck	113	
Grader	108	
Pneumatic roller	109	
<b>Operational noise sources</b>	<b>(L<sub>Aeq</sub>)</b>	<b>(L<sub>Amax</sub>)</b>
Conveyors	80dB/metre	--
Dozer at stockpile <sup>1</sup>	107	114
Crusher (attenuated)	100	108
CHPP (attenuated)	109	--
Rail load-out	102	114
Workshop	95	105
Ventilation fans (attenuated) <sup>2</sup>	103	105
Personnel carrier	110	115
Locos idling on rail loop	102	106

<sup>1</sup> Based on measurements taken at Werris Creek Mine. May be either attenuated D10 or other dozer with limited reverse speed.

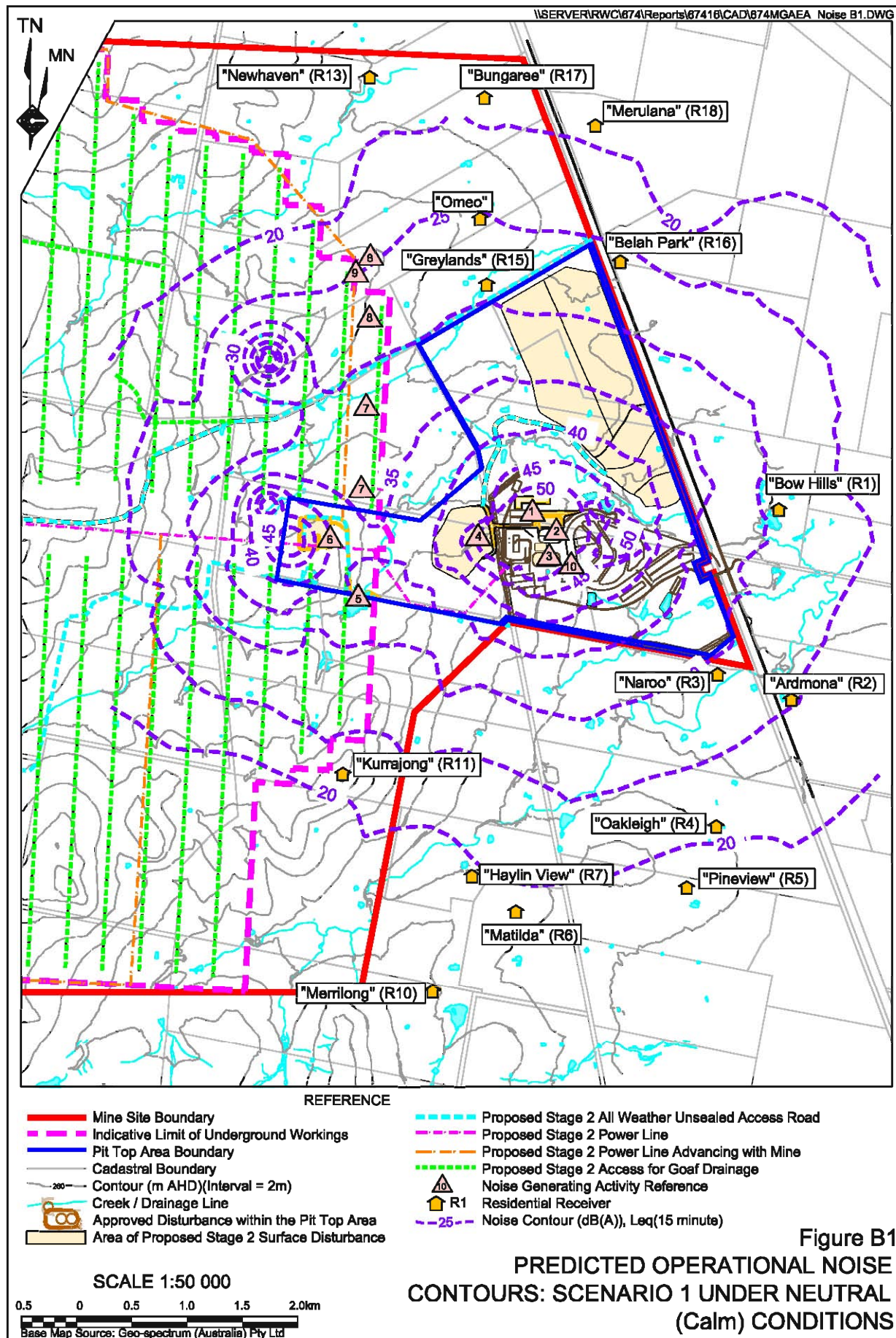
<sup>2</sup> As modelled in the acoustic assessment. Level of 98dB(A) is likely to be achieved.

# **Appendix B**

## **Representative Noise Level Contours**

(No. of pages excluding this page = 25)

- B1: Predicted Noise Contours: Scenario 1 under Neutral (calm) Conditions
- B2: Predicted Noise Contours: Scenario 1 under Mild Inversion (2°/100m) Conditions
- B3: Predicted Noise Contours: Scenario 1 under Moderate Inversion (4°/100m) Conditions
- B4: Predicted Noise Contours: Scenario 1 under Severe Inversion (6°/100m) Conditions
- B5: Predicted Noise Contours: Scenario 1 under Southeast Wind Conditions
- B6: Predicted Noise Contours: Scenario 2a under Neutral (calm) Conditions
- B7: Predicted Noise Contours: Scenario 2a under Mild Inversion (2°/100m) Conditions
- B8: Predicted Noise Contours: Scenario 2a under Moderate Inversion (4°/100m) Conditions
- B9: Predicted Noise Contours: Scenario 2a under Severe Inversion (6°/100m) Conditions
- B10: Predicted Noise Contours: Scenario 2a under Southeast Wind Conditions
- B11: Predicted Noise Contours: Scenario 2b under Neutral (calm) Conditions
- B12: Predicted Noise Contours: Scenario 2b under Mild Inversion (2°/100m) Conditions
- B13: Predicted Noise Contours: Scenario 2b under Moderate Inversion (4°/100m) Conditions
- B14: Predicted Noise Contours: Scenario 2b under Severe Inversion (6°/100m) Conditions
- B15: Predicted Noise Contours: Scenario 2b under Southeast Wind Conditions
- B16: Predicted Noise Contours: Scenario 3a under Neutral (calm) Conditions
- B17: Predicted Noise Contours: Scenario 3a under Mild Inversion (2°/100m) Conditions
- B18: Predicted Noise Contours: Scenario 3a under Moderate Inversion (4°/100m) Conditions
- B19: Predicted Noise Contours: Scenario 3a under Severe Inversion (6°/100m) Conditions
- B20: Predicted Noise Contours: Scenario 3a under Southeast Wind Conditions
- B21: Predicted Noise Contours: Scenario 3b under Neutral (calm) Conditions
- B22: Predicted Noise Contours: Scenario 3b under Mild Inversion (2°/100m) Conditions
- B23: Predicted Noise Contours: Scenario 3b under Moderate Inversion (4°/100m) Conditions
- B24: Predicted Noise Contours: Scenario 3b under Severe Inversion (6°/100m) Conditions
- B25: Predicted Noise Contours: Scenario 3b under Southeast Wind Conditions



**Figure B1**  
**PREDICTED OPERATIONAL NOISE**  
**CONTOURS: SCENARIO 1 UNDER NEUTRAL**  
**(Calm) CONDITIONS**



