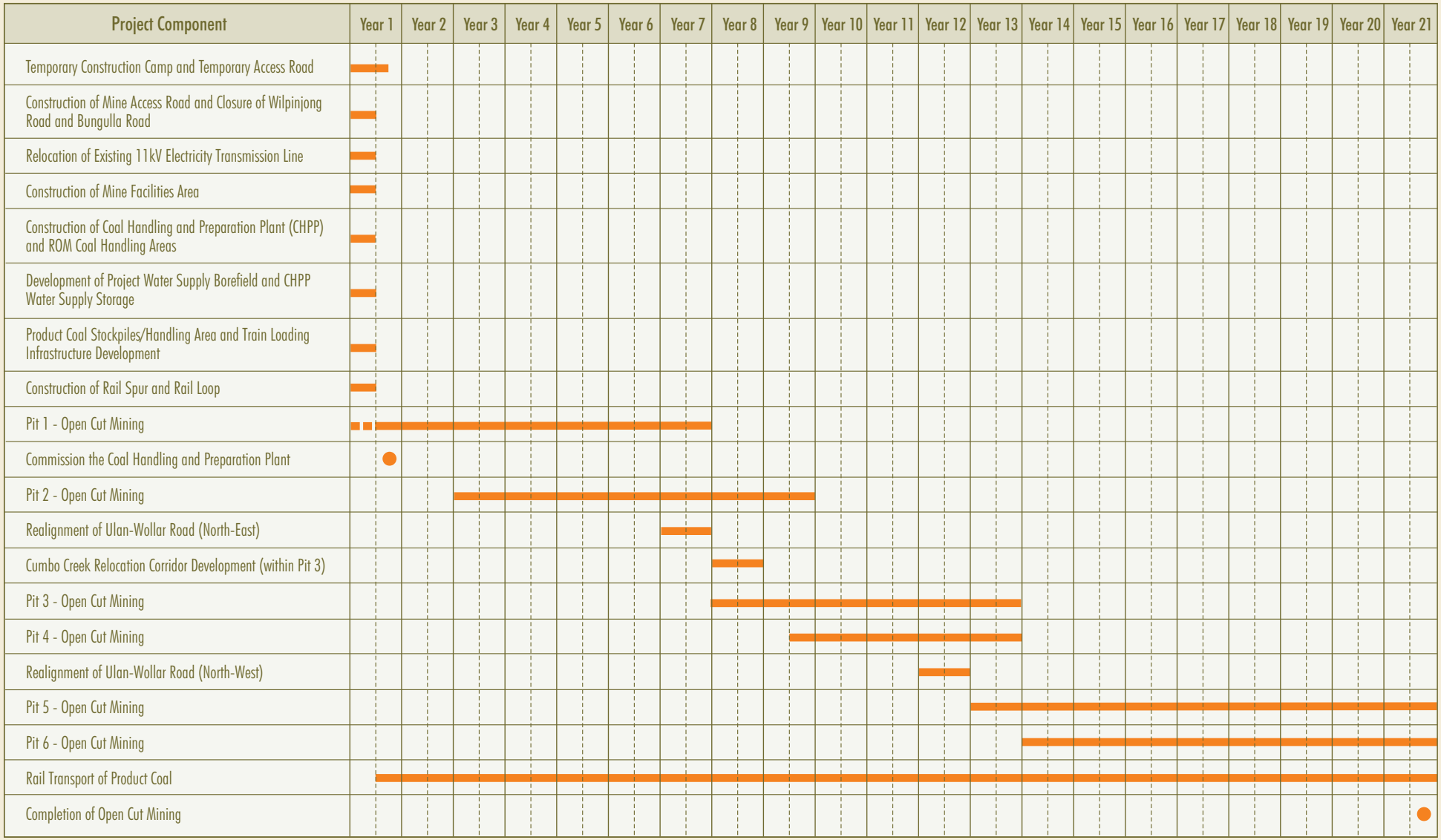
Proposed Development Schedule

Proposed Development Schedule



Source: WCPL (2005)

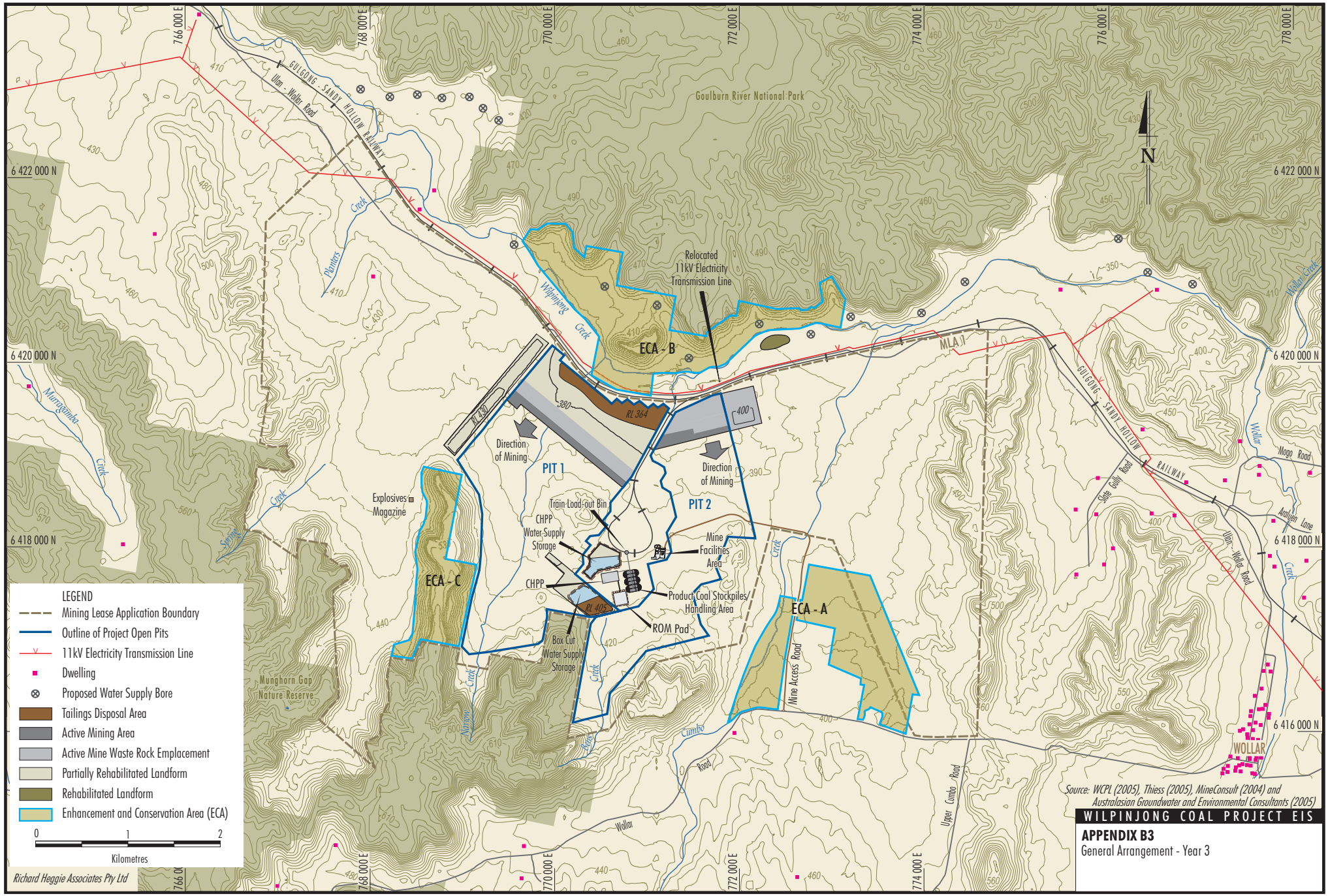
WILPINJONG COAL PROJECT EIS

APPENDIX B2

Proposed Development Schedule

Richard Heggie Associates Pty Ltd

WIL-04-01 Noise_011D



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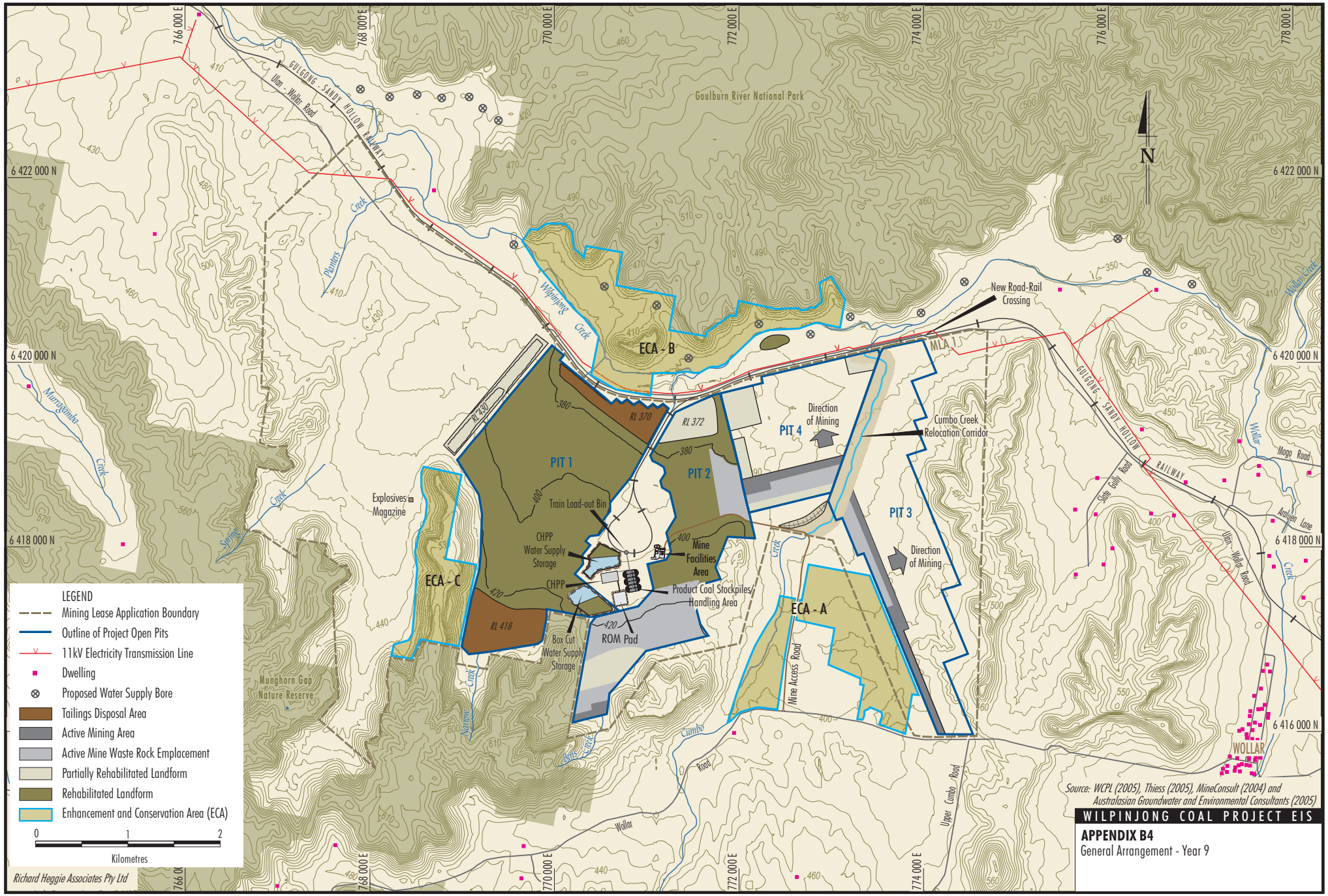

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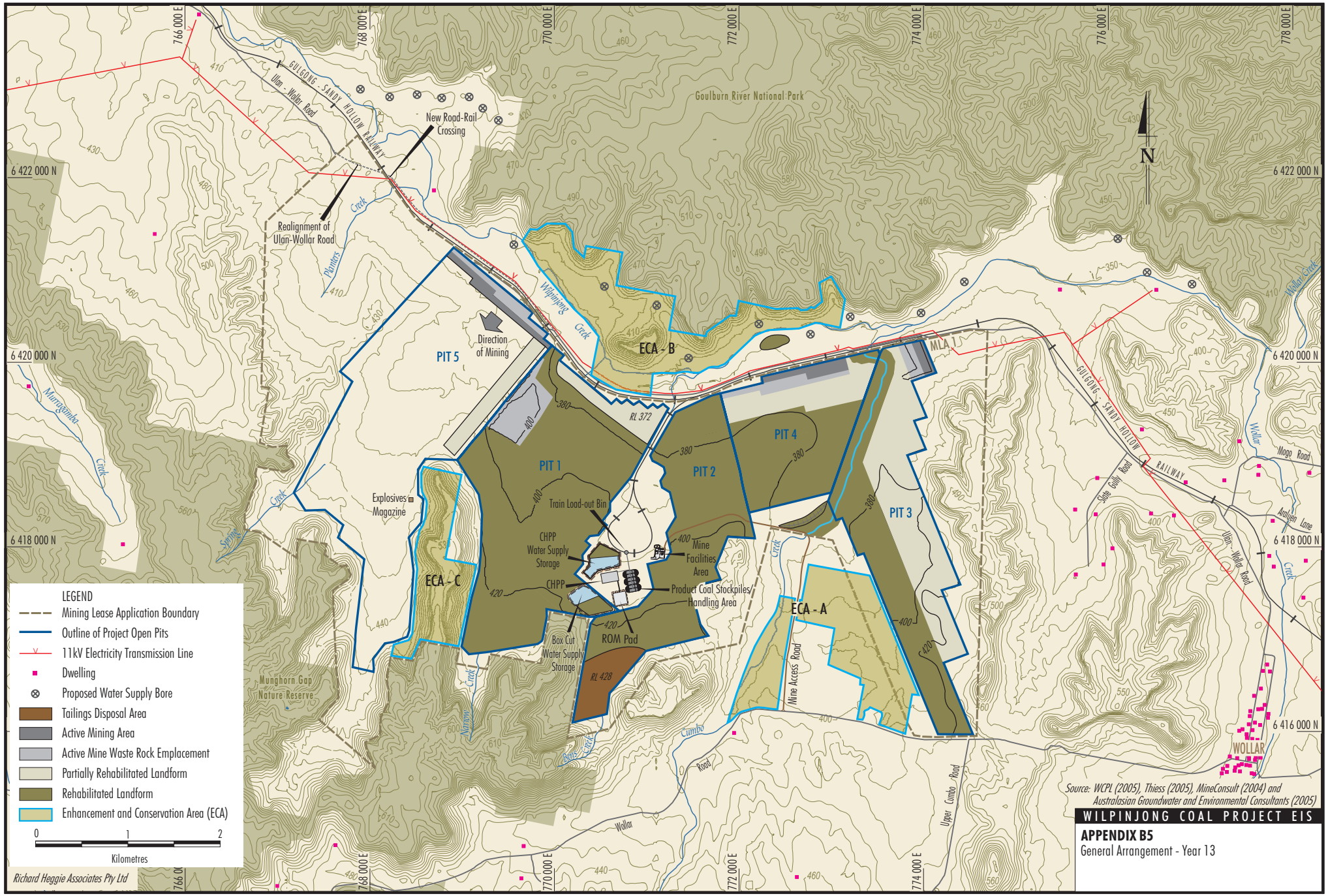

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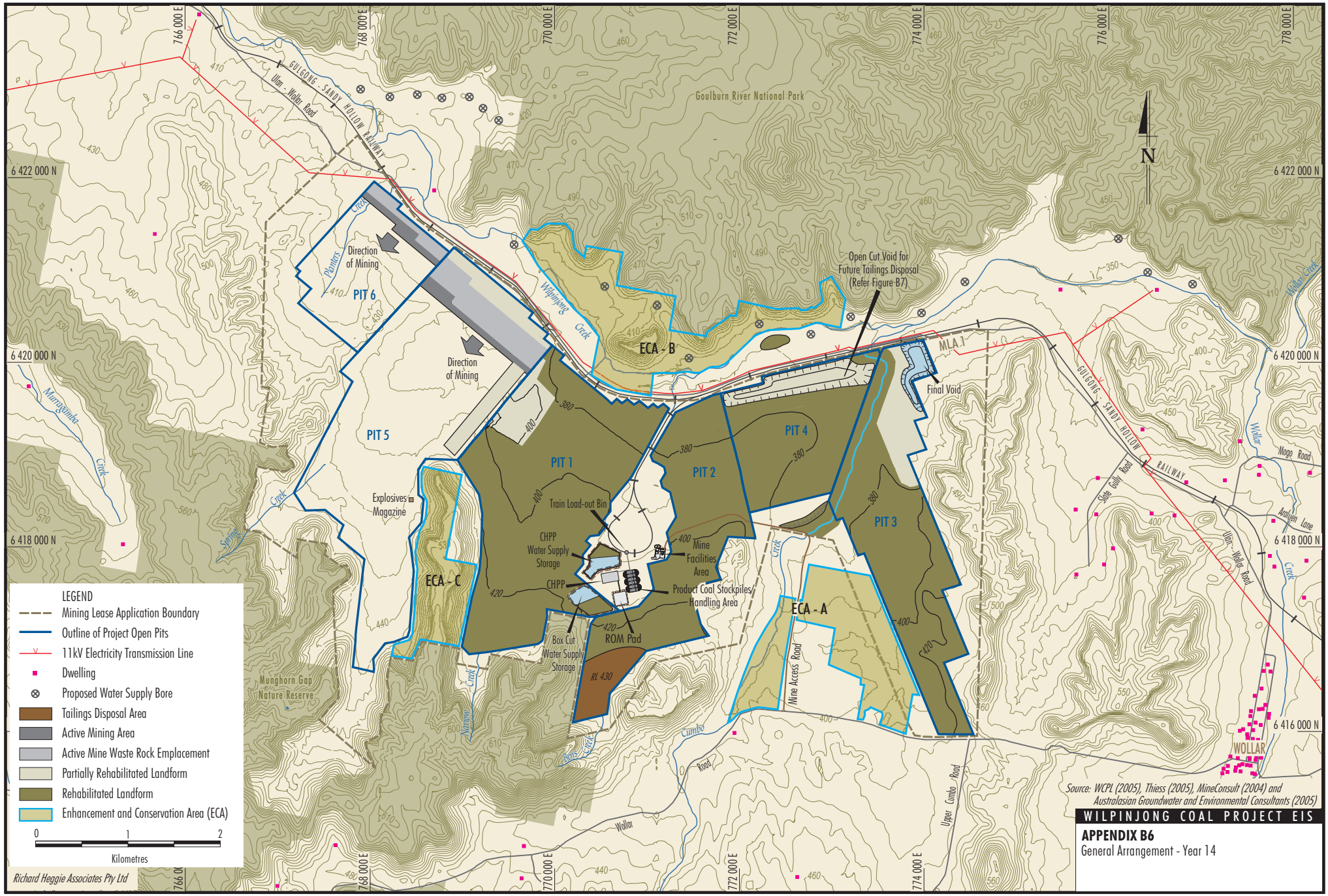

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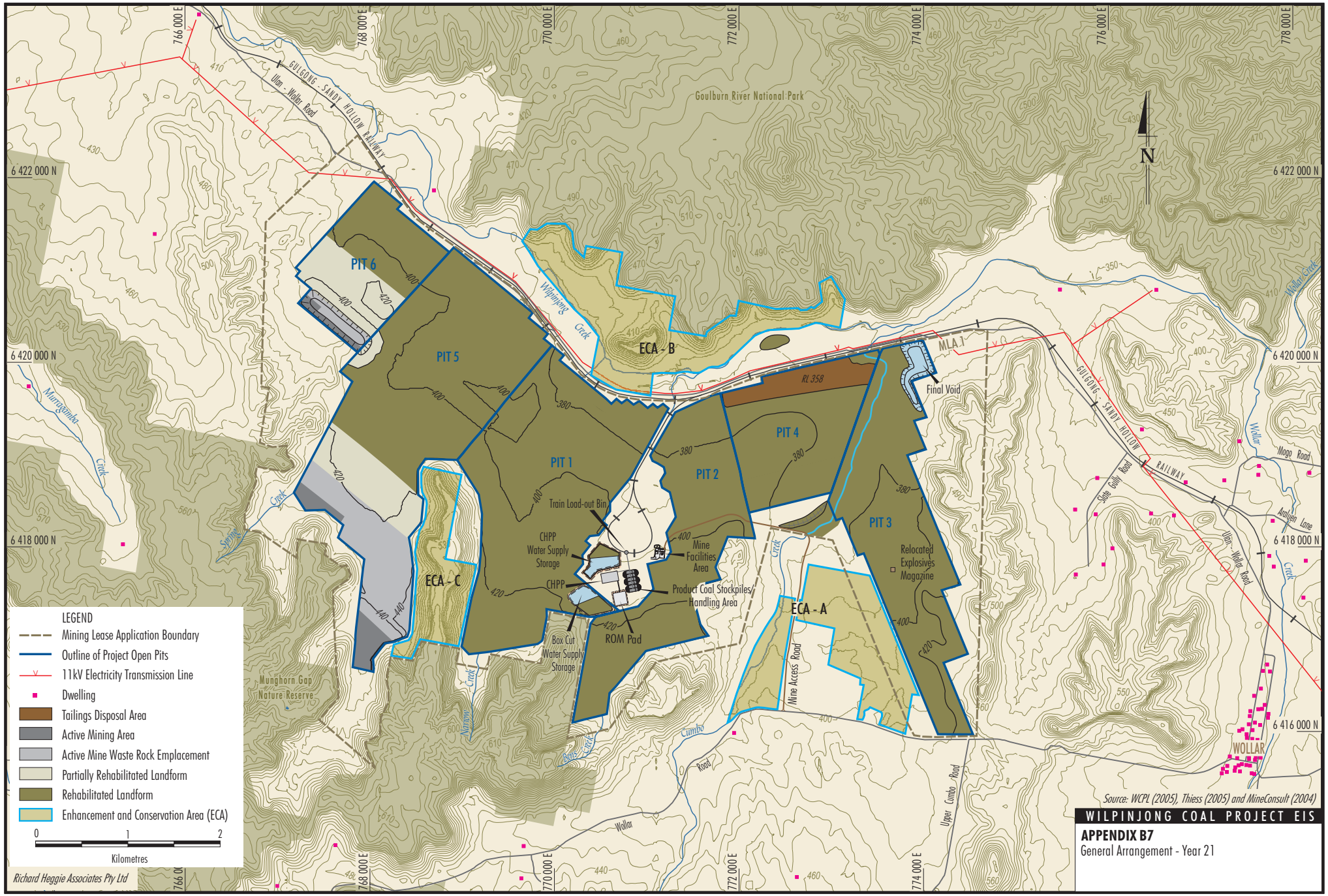
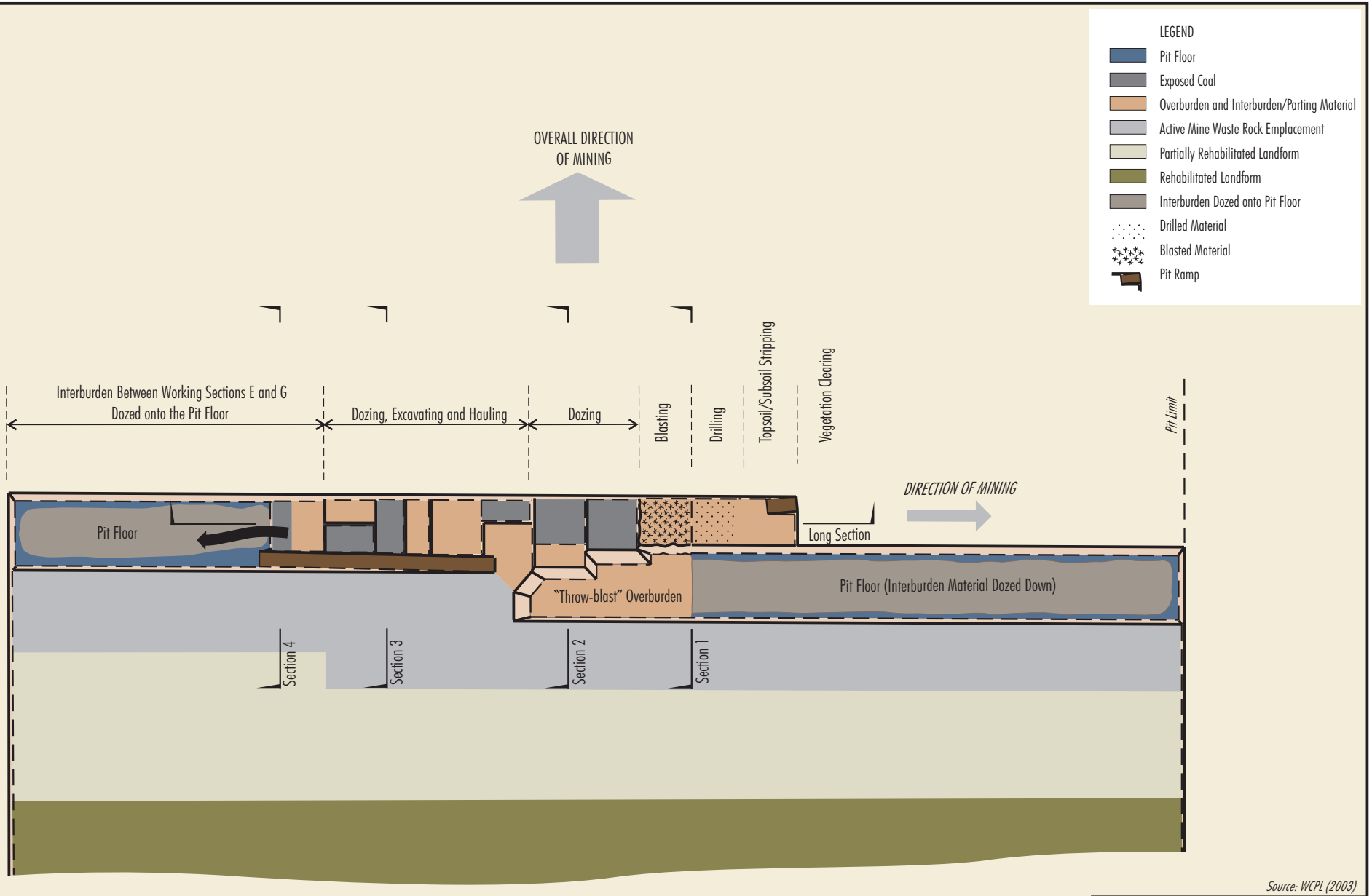


WIL-04-01 Noise_021H

Conceptual Mining Method (Plan View)



Source: WCPL (2003)

WILPINJONG COAL PROJECT EIS

APPENDIX B8

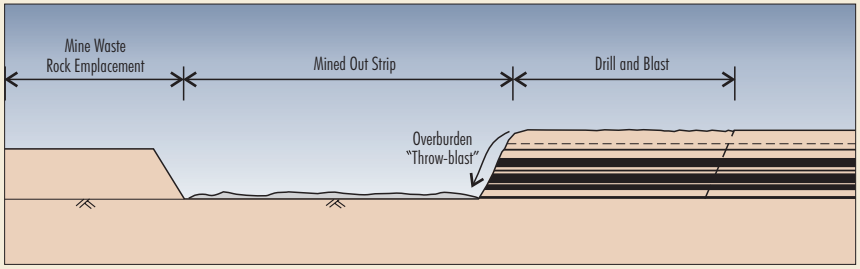
Conceptual Mining Method (Plan View)

Not to Scale

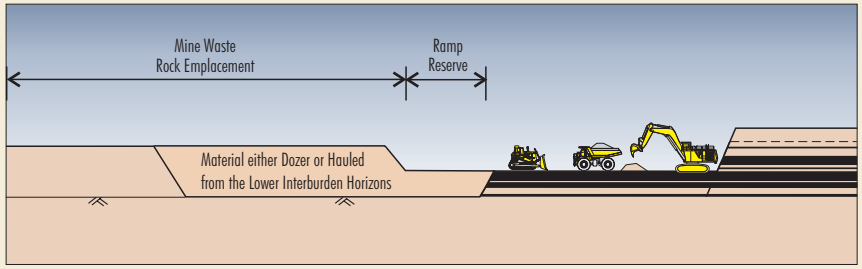
Richard Heggie Associates Pty Ltd

WIL-04-01 Noise_012C

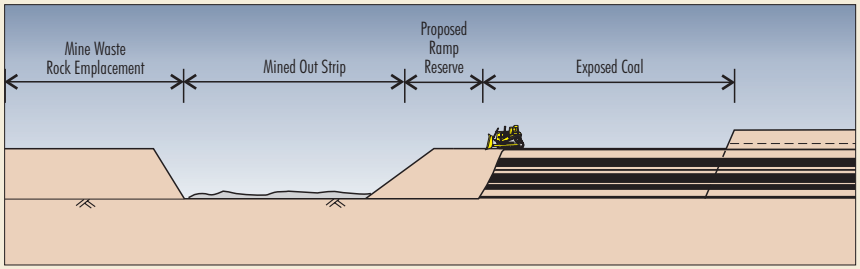
Conceptual Mining Method (Section View)



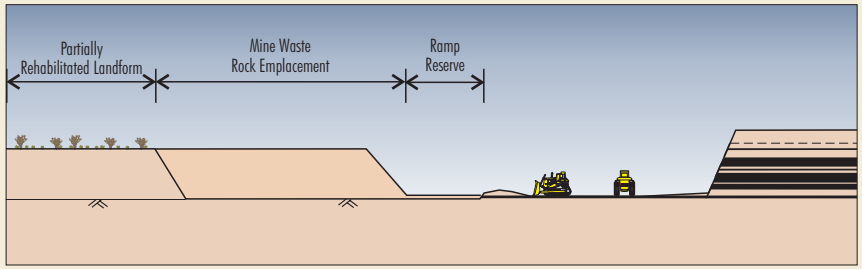
Section 1 - Drilled And Blasted (Including Throw-blast)



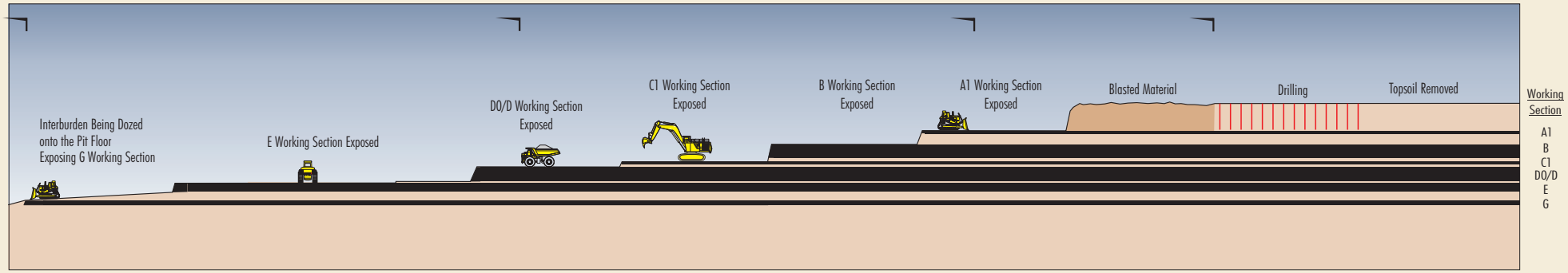
Section 3 - D Working Section Exposed



Section 2 - Dozer Pass



Section 4 - Dozer Exposing G Working Section



Long Section

Section 4 Section 3 Section 2 Section 1

Source: WCPL (2003)

WILPINJONG COAL PROJECT EIS

APPENDIX B9

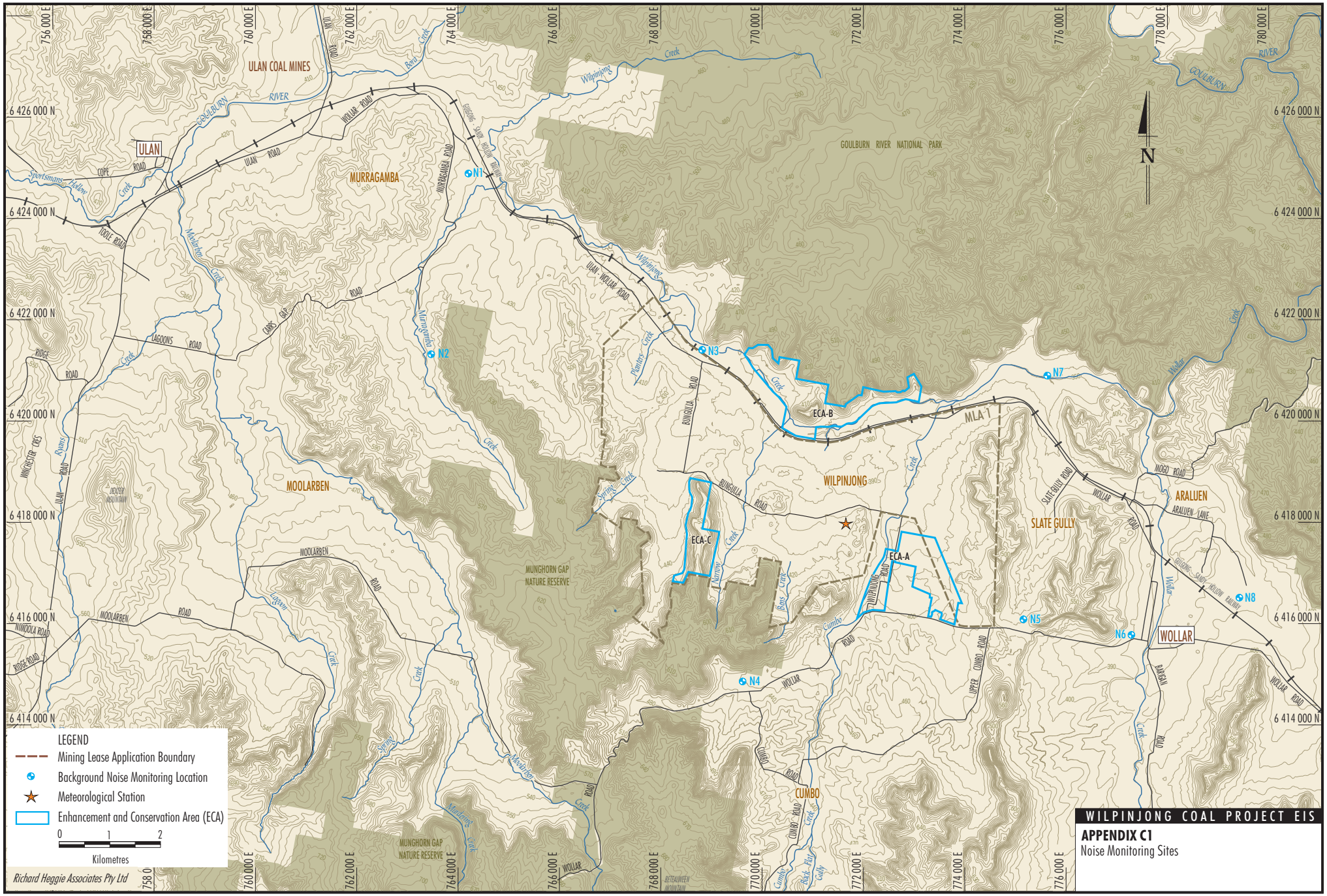
Conceptual Mining Method (Section View)

Richard Heggie Associates Pty Ltd

Not to Scale

WIL-04-01 Noise_013C

Noise Monitoring Sites



WIL-04-01 Noise_014E

[AVAILABLE UPON REQUEST]

[AVAILABLE UPON REQUEST]

WILPINJONG COAL PROJECT

Site Specific Wind Conditions - June 2004 to January 2005

Table 1 Seasonal Frequency of Occurrence Wind Speed Intervals - Daytime

Period	Calm (<0.5 m/s)	Wind Direction ±(45°)	Wind Speed Percentage		
			0.5 to 2 m/s	2 to 3 m/s	0.5 to 3 m/s
Summer	1	ENE	6	9	15
Autumn	1	ESE	6	12	18
Winter	6	WNW	10	8	18
Spring	1	ENE	6	6	12

Table 2 Seasonal Frequency of Occurrence Wind Speed Intervals - Evening

Period	Calm (<0.5 m/s)	Wind Direction ±(45°)	Wind Speed Percentage		
			0.5 to 2 m/s	2 to 3 m/s	0.5 to 3 m/s
Summer	2	E	11	11	22
Autumn	1	SE	4	11	15
Winter	12	W	21	10	31
Spring	7	WSW	17	8	25

Table 3 Seasonal Frequency of Occurrence Wind Speed Intervals - Night-time

Period	Calm (<0.5 m/s)	Wind Direction ±(45°)	Wind Speed		
			0.5 to 2 m/s	2 to 3 m/s	0.5 to 3 m/s
Summer	17	E	22	13	35
Autumn	1	ESE	5	18	23
Winter	29	W	19	10	29
Spring	26	ESE	16	5	21

Site Specific Atmospheric stability Conditions - June 2004 to February 2004

Table 4 Frequency of Occurrence of Atmospheric Stability Classes - Daytime

Stability Class	Frequency of Occurrence Winter	Estimated ELR °C/100 m	Qualitative Description
A	30%	<-1.9	Lapse
B	14%	-1.9 to-1.7	Lapse
C	33%	-1.7 to-1.5	Lapse
D	23%	-1.5 to-0.5	Neutral
E	1%	-0.5 to 1.5	Weak Inversion
F	0%	1.5 to 4.0	Moderate Inversion
G	0%	>4.0	Strong Inversion

Note: ELR (Environmental Lapse Rate)

Table 5 Frequency of Occurrence of Atmospheric Stability Classes - Evening and Night-time

Stability Class	Frequency of Occurrence Winter	Estimated ELR oC/100 m	Qualitative Description
A	0%	<-1.9	Lapse
B	0%	-1.9 to-1.7	Lapse
C	0%	-1.7 to-1.5	Lapse
D	28%	-1.5 to-0.5	Neutral
E	12%	-0.5 to 1.5	Weak Inversion
F	58%	1.5 to 4.0	Moderate Inversion
G	2%	>4.0	Strong Inversion

Note: ELR (Environmental Lapse Rate)

CHAPTER 171

NOISE CONTROL GUIDELINE

CONSTRUCTION SITE NOISE

Where there is likelihood of annoyance due to noise from construction sites, conditions such as the following may be specified in a development consent or building application.

This applies particularly to non-scheduled premises such as commercial buildings where a long construction time is not likely.

The criteria may not be applicable to long-term construction such as coal mines which may take several years.

Variations should be made according to local conditions.

Level Restrictions

i. Construction period of 4 weeks and under.

The L_{A10} level measured over a period of not less than 15 minutes when the construction site is in operation must not exceed the background level by more than 20 dBA.

ii Construction period greater than 4 weeks and not exceeding 26 weeks.

The L_{A10} level measured over a period of not less than 15 minutes when the construction site is in operation must not exceed the background level by more than 10 dBA.

Time Restrictions

Monday to Friday 7.00 am to 6.00 pm

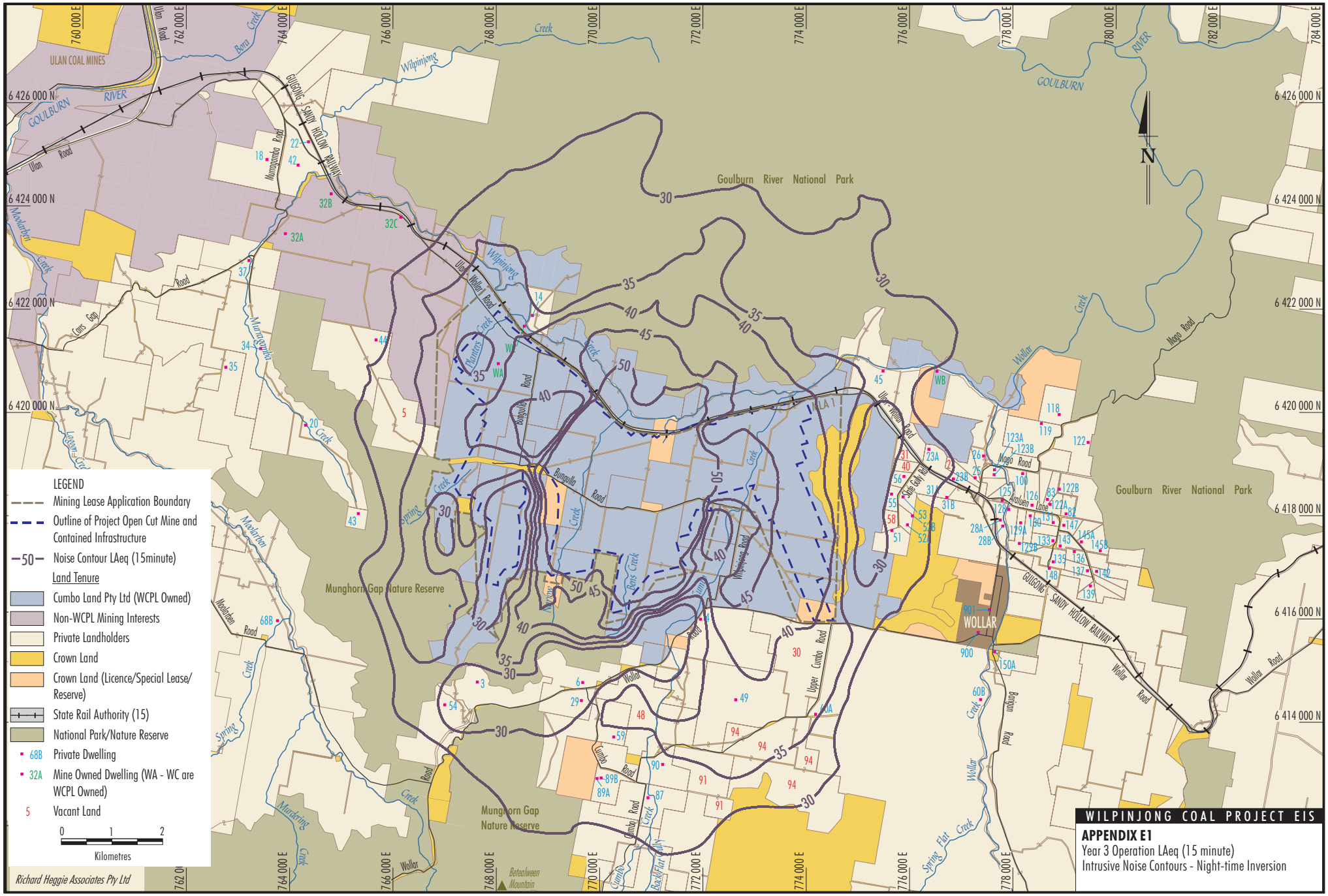
Saturday 7.00 am to 1.00 pm if inaudible on residential premises, otherwise 8.00 am to 1.00 pm

No construction work to take place on Sunday or Public Holidays.

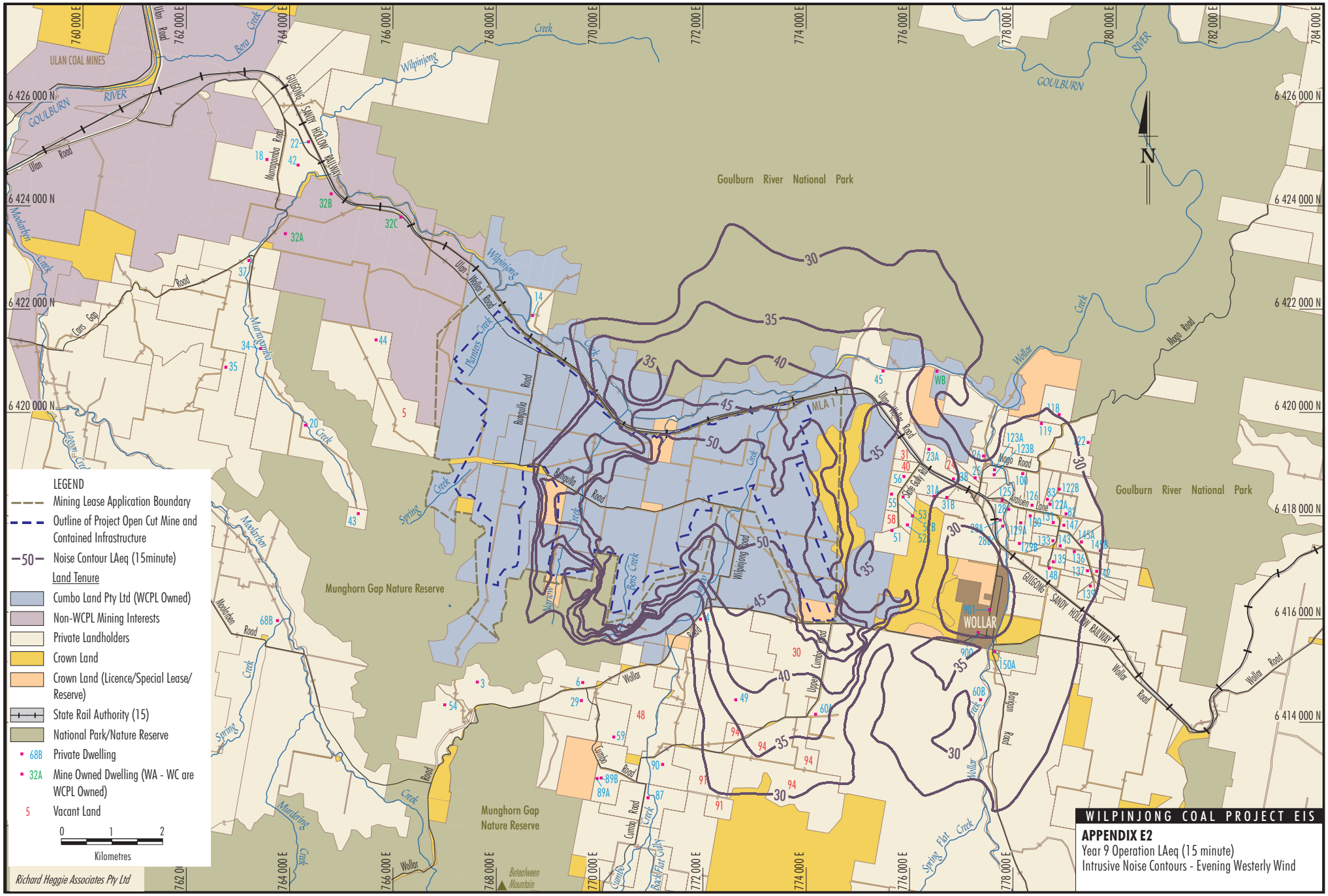
Silencing

All possible steps should be taken to silence construction site equipment. It is particularly important that silenced equipment should be used on road or rail works where 24 hour operation is necessary.

$L_{Aeq(15minute)}$ Intrusive Noise Contours
Mine Operating Years 3, 9, 11, 13, 14 and 21



WIL-04-01 Noise_003D



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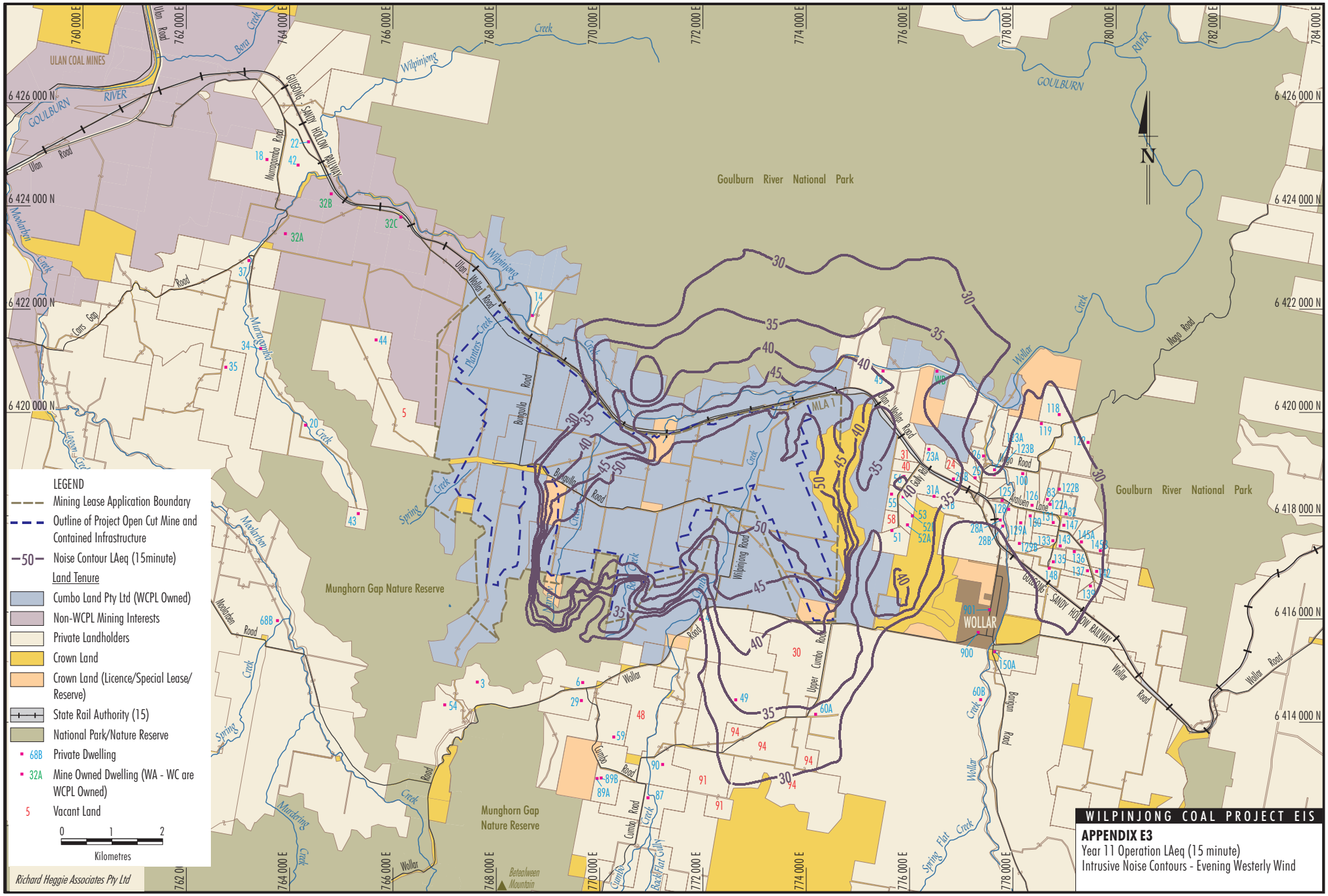

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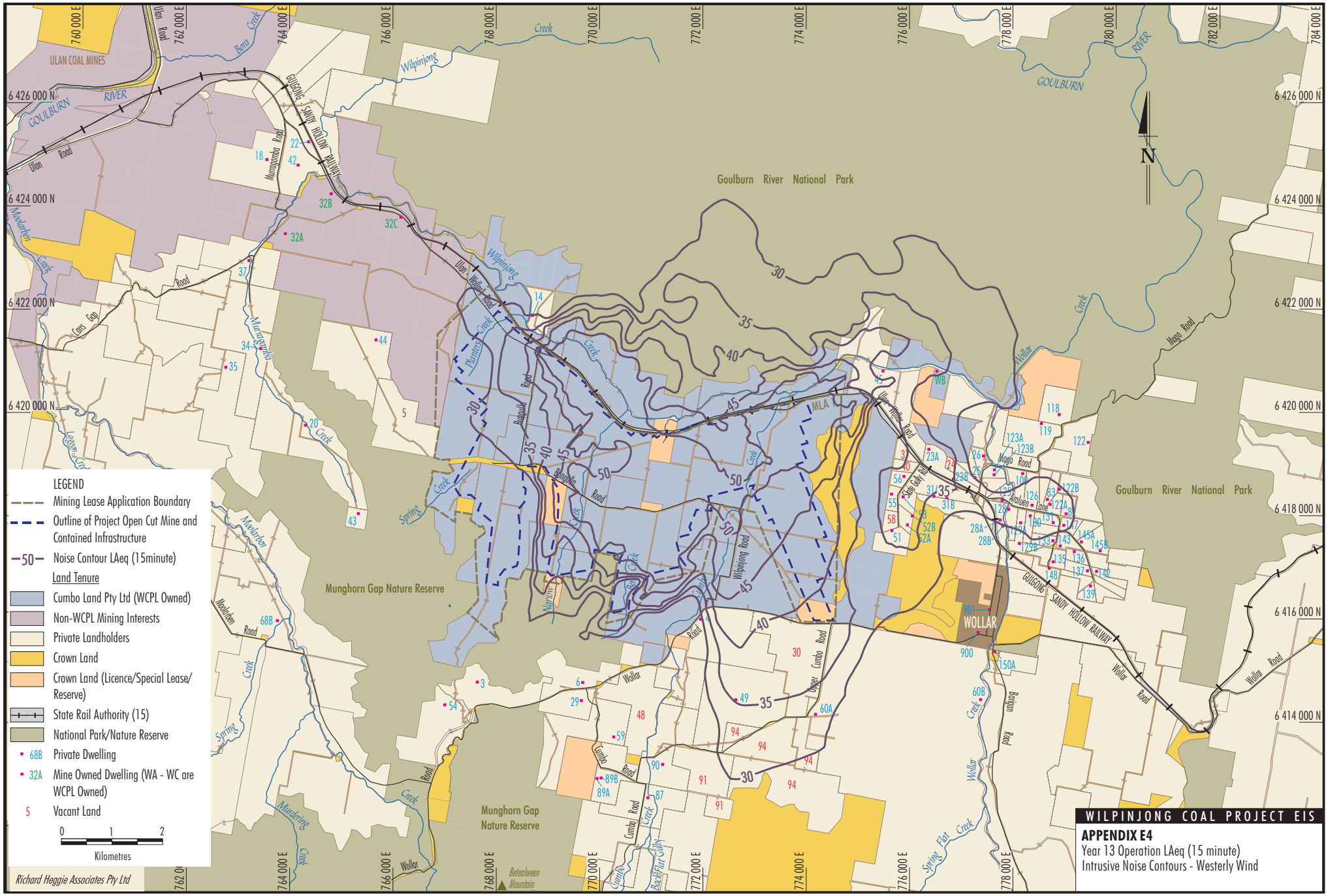

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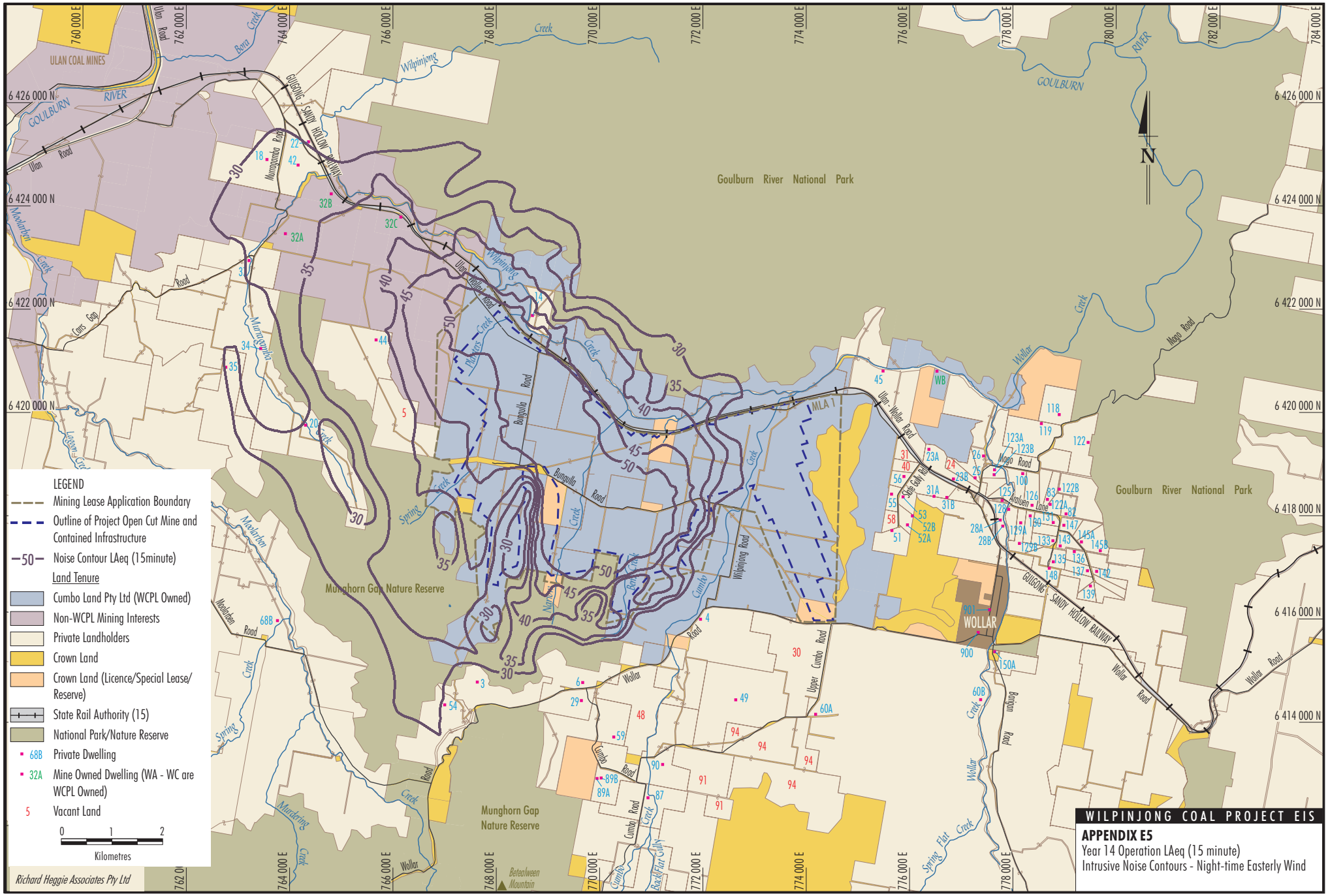

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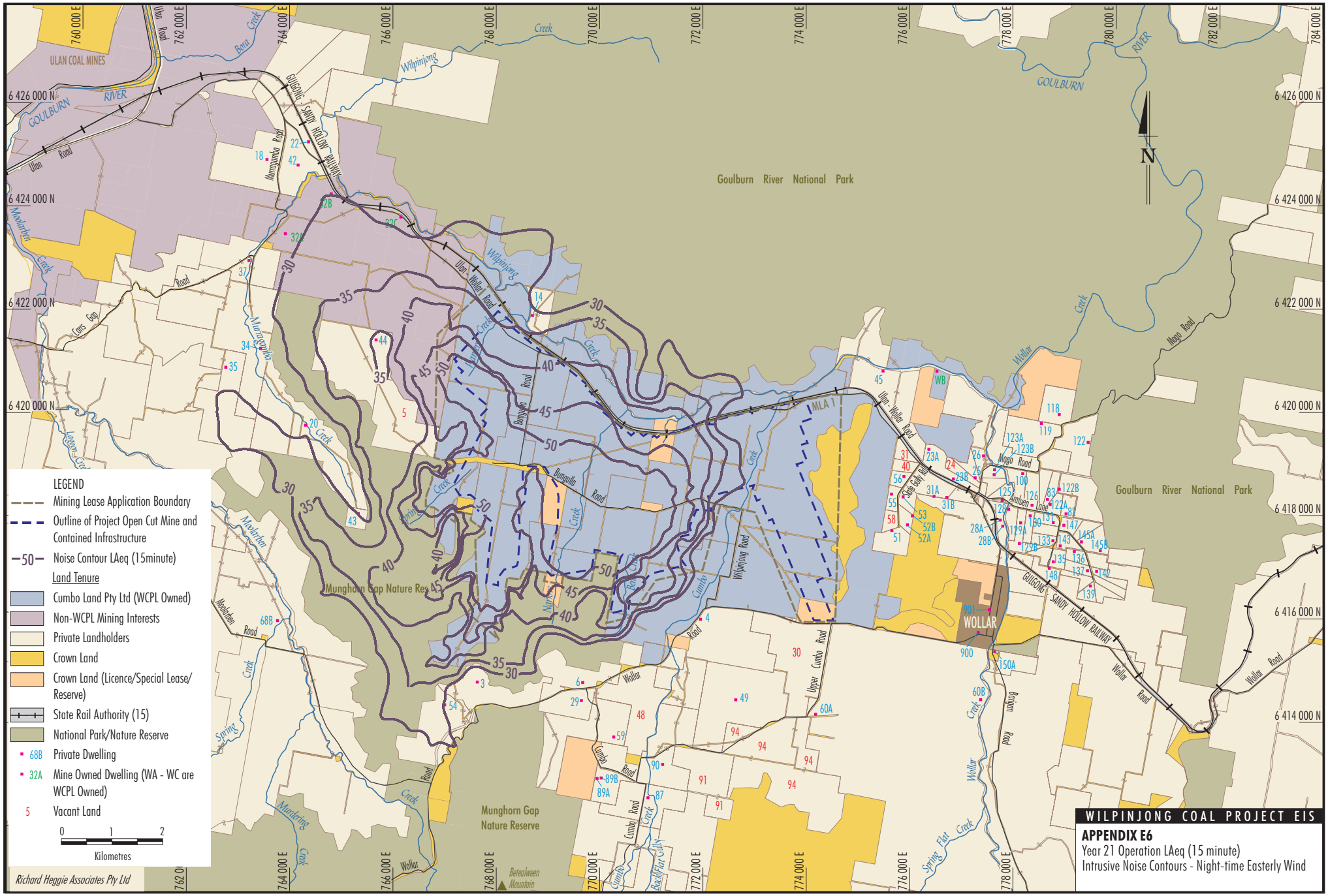

WIL-04-01 Noise_008E

Appendix F

[AVAILABLE UPON REQUEST]