

Notice of Modification

Section 75W of the *Environmental Planning & Assessment Act 1979*

As delegate of the Minister for Planning, I modify the development consent referred to in Schedule 1, as set out in Schedule 2



Ben Harrison
Acting Executive Director
Resource Assessments and Compliance

Sydney 16 NOVEMBER

2018

SCHEDULE 1

The development consent (DA 92/97) for the Mount Pleasant coal mine and associated infrastructure, granted by the Minister for Urban Affairs and Planning on 22 December 1999.

SCHEDULE 2

1. In the list of definitions, delete the terms "Aboriginal stakeholders", "Conveyor/service corridor", "Development", "Feasible", "Incident", "Material harm to the environment", "Mining operations", "Modification 3", "Offset strategy" and "Secretary", and their definitions, and insert the following terms and definitions in alphabetical order:

Decommissioning	The deconstruction or demolition and removal of works installed as part of the development
Demolition	The deconstruction and removal of buildings, sheds and other structures on the site
Development	The development described in the documents listed in condition 2 of Schedule 2, as modified by the conditions of this consent
EA (MOD 4)	The Environmental Assessment titled <i>Mount Pleasant Operation Rail Modification</i> prepared by MACH Energy Australia Pty Ltd, dated 18 December 2017, including the <i>Response to Submissions</i> , dated 25 June 2018 and additional information, dated 14 August 2018, 7 September 2018, and 24 September 2018, provided by the Applicant in support of the application
Environment	Includes all aspects of the surroundings of humans, whether affecting any human as an individual or in his or her social groupings
Feasible	Means what is possible and practical in the circumstances
Incident	An occurrence or set of circumstances that causes or threatens to cause material harm and which may or may not be or cause a non-compliance
m	Metres
Material harm	Is harm that: <ul style="list-style-type: none">• involves actual or potential harm to the health or safety of human beings or to the environment that is not trivial, or• results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000, (such loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment) This definition excludes "harm" that is authorised under either this consent or any other statutory approval
Minimise	Implement all reasonable and feasible mitigation measures to reduce the impacts of the development
Mining operations	The carrying out of mining, including the extraction, processing, stockpiling and transportation of coal on the site and the associated removal, storage and/or emplacement of vegetation, topsoil,

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|---------------------------------------|---|
| | overburden and reject material |
| Modification 4 | The modification to the development as described in EA (MOD 4) |
| MOD 4 rail infrastructure | The rail infrastructure as described in EA (MOD 4) and shown in Figure 2 of Appendix 2 |
| MOD 4 water infrastructure | The water supply pipeline, pump station and ancillary infrastructure described in EA (MOD 4) and identified as "MPO Hunter River Supply Pipeline" in Figure 2 of Appendix 2 |
| MOD 4 construction works | All physical works associated with the establishment of the rail and water infrastructure as described in EA (MOD 4) |
| Non-compliance | An occurrence, set of circumstances or development that is a breach of this consent |
| Operational noise | Means noise, including construction and rail noise, generated by the development within the Mining Lease Boundary as shown in Figure 2 of Appendix 2 |
| Rail loop and infrastructure corridor | The area shaded blue in Figure 3 of Appendix 2 |
| Registered Aboriginal Parties | As described in the <i>National Parks and Wildlife Regulation 2009</i> |
| Relinquishment area | The area delineated as "Area Relinquished for Overburden Emplacement and Major Infrastructure" in Figure 3 of Appendix 2 |
| Secretary | Planning Secretary under the EP&A Act, or nominee |
2. Delete the words "approved management plan as approved from time to time", wherever occurring, and insert "management plan as approved".
 3. Delete all references to "Aboriginal stakeholders" and replace with "Registered Aboriginal Parties".
 4. Delete condition 1 of Schedule 2 and insert the following:
 1. In addition to meeting the specific performance measures and criteria established under this consent, the Applicant must implement all reasonable and feasible measures to prevent, and if prevention is not reasonable and feasible, minimise, any material harm to the environment that may result from the construction and operation of the development, and any rehabilitation required under this consent.
 5. In condition 2 of Schedule 2, after the words "EA (MOD 3)", insert ", EA (MOD 4)".
 6. Delete conditions 3 and 4 of Schedule 2 and insert the following:
 3. Consistent with the requirements in this consent, the Secretary may make written directions to the Applicant in relation to:
 - (a) the content of any strategy, study, system, plan, program, review, audit, notification, report or correspondence submitted under or otherwise made in relation to this consent, including those that are required to be, and have been, approved by the Secretary; and
 - (b) the implementation of any actions or measures contained in any such document referred to in condition 3(a).
 4. The conditions of this consent and directions of the Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document/s listed in condition 2(a) above. In the event of an inconsistency, ambiguity or conflict between any of the document/s listed in condition 2(a) the most recent document prevails to the extent of the inconsistency, ambiguity or conflict.
 7. Delete conditions 7 and 8 of Schedule 2 and insert the following:
 7. Product coal may only be transported from the site by rail.
 8. The Applicant must ensure that train movements at the site (ie arrival or dispatch) do not exceed:
 - (a) a maximum of 18 per day; or
 - (b) 6 per day, averaged over each calendar year.

Note: In this condition, "day" means any 24-hour period.
 8. Delete condition 9 of Schedule 2 and insert the following:
 9. All new buildings and structures, and any alterations or additions to existing buildings and structures, that are part of the development, must be constructed in accordance with:
 - (a) the relevant requirements of the BCA; and
 - (b) any additional requirements of SA NSW where the building or structure is located on land within a declared Mine Subsidence District.

Notes:

- Under Part 6 of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works.
- Part 8 of the EP&A Regulation sets out the requirements for the certification of the development.
- The development is located in the Muswellbrook Mine Subsidence District. Under section 21 of the Coal Mine Subsidence Compensation Act 2017, the Applicant is required to obtain the Chief Executive of SA NSW's approval before carrying out certain development in a Mine Subsidence District.

- In condition 13 of Schedule 2, delete the number "3", wherever occurring, and insert "4".
- After condition 14 of Schedule 2, insert the following:

EVIDENCE OF CONSULTATION

- Where conditions of this consent require consultation with an identified party, the Applicant must:
 - consult with the relevant party prior to submitting the subject document to the Secretary for approval; and
 - provide details of the consultation undertaken including:
 - the outcome of that consultation, matters resolved and unresolved; and
 - details of any disagreement remaining between the party consulted and the Applicant and how the Applicant has addressed the matters not resolved.

COMPLIANCE

- The Applicant must ensure that all of its employees, contractors (and their sub-contractors) are made aware of, and are instructed to comply with, the conditions of this consent relevant to activities they carry out in respect of the development.

APPLICABILITY OF GUIDELINES

- References in the conditions of this consent to any guideline, protocol, Australian Standard or policy are to such guidelines, protocols, Standards or policies in the form they are in as at the date of this consent.

However, consistent with the conditions of this consent and without altering any limits or criteria in this consent, the Secretary may, when issuing directions under this consent in respect of ongoing monitoring and management obligations, require compliance with an updated or revised version of such a guideline, protocol, Standard or policy, or a replacement of them.

- In Table 1 in condition 1 of Schedule 3, in the row beginning "Noise", insert the following in numerical order: "23,", "143c, 143d, 143e,", "153b," and ",447, 448, 449".
- In condition 2 of Schedule 3, in the first paragraph, before the words "at the residence(s)", insert "as relevant,".
- In Table 2 in condition 2 of Schedule 3, in the row beginning "Noise", insert the following in numerical order: "19, 20, 21," and "207,".
- In conditions 3 and 5 of Schedule 3, after the words "ensure that the", insert "operational".
- In Table 3 of condition 3 of Schedule 3, in the seventh row, delete the number "23".
- In condition 7 of Schedule 3:
 - delete the words "ensure that its rail spur is only accessed by locomotives" and insert "only use locomotives and rolling stock"; and
 - delete "RailCorp's" and insert "Sydney Trains".
- In condition 9 of Schedule 3:
 - in subparagraph (a), delete the words "prior to carrying out any development on site" and insert "by 30 June 2019, unless otherwise agreed by the Secretary";
 - delete subparagraph (b), and insert the following:
 - describe the measures (including both proactive and reactive mitigation measures) to be implemented to:
 - ensure compliance with the noise criteria and operating conditions in this consent;
 - minimise rail noise (including wheel and brake squeal) to the greatest extent practicable; and
 - minimise the noise impacts of the development during noise-enhancing meteorological conditions when the operational noise criteria in this consent do not apply (see Notes to condition 3 of Schedule 3);
- In condition 28 of Schedule 3:

- (a) in the first paragraph, delete the words “prior to carrying out any development on site” and insert “by 30 June 2019, unless otherwise agreed by the Secretary”;
 - (b) in subparagraph (c), after the second bullet point, insert the following:
 - a program to monitor and maintain the bridge openings and culverts associated with the MOD 4 rail infrastructure and ensure that they remain clear of blockages;
19. After condition 28 of Schedule 3, insert the following:

28A. The Applicant must decommission the existing water supply infrastructure within the rail loop and infrastructure corridor, including the associated pump station, within 6 months of the commissioning of the MOD 4 water infrastructure.

Notes:

 - *The existing rail loop and infrastructure corridor is shown in Figure 3 of Appendix 2.*
 - *The decommissioning of infrastructure within the rail loop and infrastructure corridor is also controlled under condition 37 of Schedule 3.*

28B. The Applicant must notify DoI Water, in writing, within 14 days of completing the following:

 - (a) the commissioning of the MOD 4 water infrastructure; and
 - (b) the decommissioning of water supply infrastructure within the rail loop and infrastructure corridor.
20. Delete conditions 29, 30 and 31 of Schedule 3, including the subheadings.
21. In condition 32 of Schedule 3:
 - (a) in subparagraph (a), delete the words “prior to carrying out any development on site” and insert “by 30 June 2019, unless otherwise agreed by the Secretary”;
 - (b) in subparagraph (b):
 - in the first solid bullet point, delete the words “and in the offset area/s (if and when applicable)”;
 - in the first solid bullet point, delete the words “implement the offset strategy (if and when applicable), including detailed performance and completion criteria” and insert “avoid and manage remnant vegetation and habitat within the relinquishment area”; and
 - in the second solid bullet point, delete the words “and offset areas”.
22. In condition 36 of Schedule 3:
 - (a) in subparagraph (b), delete the words “prior to carrying out any development on site” and insert “by 30 June 2019, unless otherwise agreed by the Secretary”; and
 - (b) at the end of the condition, insert the following:

Notes:

 - *The Aboriginal Heritage Management Plan must be consistent with the requirements of any Aboriginal Heritage Impact Permit(s) issued by OEH relevant to the development.*
 - *The Applicant must ensure that Aboriginal site recording forms for newly recorded sites and Aboriginal site impact recording forms for salvaged sites are submitted to OEH for inclusion on the Aboriginal Heritage Information Management System database.*
23. In condition 37 of Schedule 3:
 - (a) at the end of subparagraph (c), delete the word “and”;
 - (b) at the end of subparagraph (d), delete the full stop and insert “; and”; and
 - (c) after subparagraph (d), insert the following:

(e) demolish the Bengalla Link Road bridge required under condition 38 (a) below and, unless otherwise agreed by the Secretary, reinstate the road reserve to the satisfaction of Council.

Note: The rail loop and infrastructure corridor is shown in Figure 3 of Appendix 2.
24. After the subheading “Road Works”, insert the following:

Note: Under the Roads Act 1993, the Applicant is required to obtain the consent of the appropriate roads authority prior to carrying out work on or over a public road.
25. After condition 39 of Schedule 3, insert the following:

39A. The Applicant must, by no later than 31 October 2022:

 - (a) construct a rail overpass to carry the MOD 4 rail infrastructure over Wybong Road;
 - (b) construct a road bridge to carry Overton Road over the MOD 4 rail infrastructure; and
 - (c) partially realign Overton Road, as shown conceptually in Figure 5 of EA (MOD 4), in accordance with the relevant requirements of *Austroads Guide to Road Design* and to the satisfaction of Council.

The Secretary may waive or alter the above requirements if they are no longer required following the completion of the final design of the MOD 4 rail infrastructure.

26. In condition 40 of Schedule 3, in subparagraph (b):
- (a) delete the word "construction"
 - (b) after the number "38", delete the word "and" and replace with a comma;
 - (c) after the number "39", insert "and 39A"; and
 - (d) delete "December 2011" and replace with "June 2019".
27. After condition 44 of Schedule 3, insert the following:

CONSTRUCTION OF RAIL AND WATER SUPPLY INFRASTRUCTURE

- 44A. The Applicant must carry out a detailed geotechnical investigation of former underground mine workings in the vicinity of the MOD 4 rail infrastructure. This investigation must:
- (a) be undertaken by suitably qualified and experienced persons;
 - (b) be undertaken in consultation with SA NSW;
 - (c) determine the extent of underground mine workings;
 - (d) provide recommendations to ensure the geotechnical stability of MOD 4 rail infrastructure; and
 - (e) be conducted and reported to the satisfaction of the Secretary.

A final report detailing the outcomes of the geotechnical investigation must be submitted to the Secretary. The Applicant must not commence MOD 4 construction works in the vicinity of the former underground mine until the Geotechnical Investigation Report is approved by the Secretary.

- 44B. The Applicant must implement the recommendations of the Geotechnical Investigation Report to the satisfaction of the Secretary.

- 44C. The Applicant must design and construct the MOD 4 rail infrastructure to meet the following performance criteria during a 1% Annual Exceedance Probability flood event:
- (a) no more than 0.1 m increase in flood levels on any privately-owned land;
 - (b) no more than 0.01 m increase in flood levels at any privately-owned residence or commercial spaces;
 - (c) no more than 0.01 m increase in flood levels at any public roads servicing privately-owned properties; and
 - (d) no more than 0.1 m per second increase in flood velocities at privately-owned residences or commercial spaces.

- 44D. The Applicant must commission an independent review of the final design of the MOD 4 rail infrastructure, including any associated hydraulic structures. This review must:
- (a) be undertaken by suitably qualified and experienced persons;
 - (b) be undertaken in consultation with OEH;
 - (c) demonstrate that the final design meets the performance criteria in condition 44C above; and
 - (d) be conducted and reported to the satisfaction of the Secretary.

A final report detailing the outcomes of the independent review must be submitted to the Secretary. The Applicant must not commence MOD 4 construction works until the final report is approved by the Secretary.

- 44E. The Applicant must ensure that any asbestos encountered during MOD 4 construction works is monitored, handled, transported and disposed of by appropriately qualified and licensed contractors in accordance with the requirements of SafeWork NSW and relevant guidelines, including:
- (a) *Work Health and Safety Regulation 2017*;
 - (b) SafeWork NSW Code of Practice – How to Manage and Control Asbestos in the Workplace September 2016;
 - (c) SafeWork NSW Code of Practice – How to Safely Remove Asbestos September 2016;
 - (d) *Protection of the Environment Operations (Waste) Regulation 2014*; and
 - (e) the EPA's *Waste Classification Guidelines*.

- 44F. All MOD 4 construction works outside of the Mining Lease Boundary must be carried out during Standard Construction Hours (7 am to 6 pm, Monday to Friday; and 8 am to 1 pm on Saturdays), unless the works are:
- (a) required by:
 - NSW Police; or
 - a public authority for the delivery of vehicles, plant or materials; or
 - (b) required in an emergency to avoid the loss of life, damage to property or to prevent material harm to the environment; or
 - (c) approved under an Out of Hours Work Protocol.

Note: The Mining Lease Boundary is shown in Figure 2 of Appendix 2.

44G. If the Applicant proposes to undertake MOD 4 construction works (outside of the Mining Lease Boundary) outside the hours specified in condition 44F above, then the Applicant must prepare an Out of Hours Work Protocol for these works, to the satisfaction of the Secretary. This protocol must:

- (a) be prepared in consultation with the EPA and any residents who may be affected by the noise generated by these works;
- (b) address the relevant requirements of the *Interim Construction Noise Guideline* (DECC, 2009); and
- (c) be approved by the Secretary before any out of hours construction works are carried out.

The Applicant must implement the Out of Hours Work Protocol as approved by the Secretary.

Note: For areas where construction noise is predicted to be at or below operational noise criteria at sensitive receptors, this is likely to provide sufficient justification for the need to operate outside of recommended standard hours as specified in the Interim Construction Noise Guideline (DECC, 2009).

44H. The Applicant must ensure that the combined operational noise of the development and noise generated by the MOD 4 construction works outside of the Mining Lease Boundary does not exceed the criteria in Table 10A at any residence on privately-owned land.

Table 10A: Construction noise criteria

Receiver or other location	Standard Construction Hours dB(A) $L_{Aeq(15min)}$
67, 215, 216, 218, 219	47
206, 217, 220, 221, 225, 532, 533	48
222, 223, 531	49
224, 530	50
19, 20, 21, 207, 289	51
527, 528	56
529	54
68	57
23	69
All other privately-owned land	5 dB(A) above the daytime operational $L_{Aeq(15min)}$ noise criteria in Table 3

Notes:

- To identify the locations referred to in Table 10A, see the figures in Appendix 5.
- The Mining Lease Boundary is shown in Figure 2 of Appendix 2.
- Noise generated by the development is to be measured in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy, with the exception of the application of modifying factors under Fact Sheet C of the Noise Policy for Industry.

However, these criteria do not apply if the Applicant has a written agreement with the relevant landowner to exceed the criteria, and the Applicant has advised the Department in writing of the terms of this agreement.

44I. The Applicant must prepare a Construction Environmental Management Plan for MOD 4 construction works, to the satisfaction of the Secretary. This plan must:

- (a) be prepared in consultation with the EPA, Council and any relevant road or utilities authorities;
- (b) describe measures to be implemented to minimise construction-related noise, vibration, dust, biodiversity and visual impacts, including specific measures to minimise:
 - surface disturbance; and
 - the cumulative impacts of construction and operational noise;
- (c) describe detailed procedures to be implemented to:
 - notify affected landowners of upcoming construction activities;
 - receive, record, handle and respond to construction-related complaints; and
 - resolve any disputes that may arise during MOD 4 construction works;
- (d) include a Construction Traffic Management Plan which:
 - describes the measures to be implemented to minimise traffic safety issues and disruption to local road users, including managing light, heavy and over-dimensional vehicles during construction works; and
 - includes procedures for notifying other road users (including local bus operators) of any construction works that may disrupt their usual use of the road;

- (e) include a Historic Heritage Management Plan which describes measures to implement the relevant historic heritage management commitments outlined in Appendix 3; and
- (f) include an Unexpected Contamination Protocol which describes the procedures to be implemented in the event that potentially contaminated material is identified during construction, including:
 - procedures for testing, removal and disposal of potentially contaminated material; and
 - measures to ensure compliance with the requirements of SafeWork NSW and relevant guidelines.

The Applicant must not commence MOD 4 construction works until the Construction Environmental Management Plan is approved by the Secretary. The Applicant must implement the Construction Environmental Management Plan as approved by the Secretary.

28. In Schedule 4, delete the heading "Landscape Management Plan", and insert "Visual Impact Management Plan".

29. In condition 47 of Schedule 3:

- (a) in the first paragraph, delete the word "Landscape" and insert "Visual Impact";
- (b) in subparagraph (a), delete the words "prior to carrying out any development on site", and insert "by 30 June 2019, unless otherwise agreed by the Secretary";
- (c) at the end of subparagraph (b), delete the word "and";
- (d) at the end of subparagraph (c), delete the full stop and insert "; and";
- (e) after subparagraph (c), insert the following:

- (d) include detailed measures to minimise the visual impacts of the MOD 4 rail infrastructure, including:
 - details regarding any proposed light screens, earth bunds and screen planting; and
 - procedures to monitor and maintain the effectiveness of visual impact mitigation measures for the life of the development.

30. After condition 55 of Schedule 3, insert the following:

55A. The Applicant must implement all reasonable and feasible measures to provide for the interim stabilisation and temporary vegetation of the existing rail loop and infrastructure corridor, as soon as reasonably practicable following the removal of infrastructure as required under condition 37.

Note: The Applicant's obligations under this condition will cease following the transfer or grant of a mining lease over that part of ML 1645 south of Wybong Road to the operator of Bengalla mine (or its nominee).

31. In condition 56 of Schedule 3:

- (a) in the first paragraph, delete the word "January" and insert "April";
- (b) in subparagraphs (f) and (g), delete the letters "(f)" and "(g)" and replace with bullet points "•"; and
- (c) renumber subparagraphs (h) to (m) to reflect the changes made by this instrument.

32. In condition 1 of Schedule 4, after subparagraph (b), insert the following:

Within one month of any modification that leads to new land being added to Tables 1 or 2 of Schedule 3, the Applicant must notify affected land owners in accordance with the requirements of paragraph (a).

33. In condition 4 of Schedule 5, delete the Notes and insert the following:

Notes:

- *The purpose of this condition is to ensure that strategies, plans and programs are regularly updated to incorporate any measures recommended to improve environmental performance of the project.*
- *In the event of an inconsistency between condition 4(d) above and any condition in Schedule 3 of this consent, the latter prevails.*

34. Delete condition 7 of Schedule 5, including the heading "REPORTING" and subheading "Incident Reporting", and insert the following:

Incident Notification

- 7. The Applicant must immediately notify the Department and any other relevant agencies immediately after it becomes aware of an incident. The notification must be in writing to compliance@planning.nsw.gov.au and identify the development (including the development application number and name) and set out the location and nature of the incident.

Non-Compliance Notification

- 7A. Within seven days of becoming aware of a non-compliance, the Applicant must notify the Department of the non-compliance. The notification must be in writing to compliance@planning.nsw.gov.au and identify the development (including the development application number and name), set out the condition of this consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.

Note: A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.

Monitoring and Environmental Audits

- 7B. Any condition of this consent that requires the carrying out of monitoring or an environmental audit, whether directly or by way of a plan, strategy or program, is taken to be a condition requiring monitoring or an environmental audit under Division 9.4 of Part 9 of the EP&A Act. This includes conditions in respect of incident notification, reporting and response, non-compliance notification, compliance report and independent audit.

Note: For the purposes of this condition, as set out in the EP&A Act, "monitoring" is monitoring of the development to provide data on compliance with the consent or on the environmental impact of the development, and an "environmental audit" is a periodic or particular documented evaluation of the development to provide information on compliance with the consent or the environmental management or impact of the development.

35. Delete Appendix 1 and Figures 2, 3 and 4 of Appendix 2, including their headings, and replace with the following:

**APPENDIX 1
SCHEDULE OF LAND**

Tenure Type	Lot	Section	Deposited Plan Number
Freehold	1	8	2770
Freehold	1	5	2770
Freehold	1	6	2770
Freehold	1	3	2770
Freehold	1	4	2770
Freehold	1	1	2770
Freehold	1	2	2770
Freehold	1		104563
Freehold	1		112742
Freehold	1		114090
State Rail Authority (Crown)	1		189134
Freehold	1	2	192121
Freehold	1	1	192121
Freehold	1		194043
Freehold	1		213293
Freehold	1		254339
Freehold	1		312392
Freehold	1		318999
Freehold	1		401237
Freehold	1		544039
Freehold	1		629491
Freehold	1		634490
Freehold	1		655691
Freehold	1		706645
Freehold	1		742324
Freehold	1		744333
Freehold	1		745369
Freehold	1		780673
Freehold	1		791576
Crown	1		904885
Freehold	1		905281
Freehold	1		906668
Freehold	1		911212
Freehold	1		915913
Freehold	1		944232
Freehold	1		998239
Freehold	1		1072667
Freehold	1		1080962
Freehold	1		1081385
Freehold	1		1100374

Tenure Type	Lot	Section	Deposited Plan Number
Freehold	1		1137590
State Rail Authority (Crown)	1		1129338
Freehold	1		1199733
Freehold	2	8	2770
Freehold	2	5	2770
Freehold	2	6	2770
Freehold	2	3	2770
Freehold	2	1	2770
Freehold	2	4	2770
Freehold	2		104563
Freehold	2		112742
Freehold	2		114090
Freehold	2	2	192121
Freehold	2		194043
Freehold	2		629491
Freehold	2		634490
Freehold	2		706645
Freehold	2		780673
Freehold	2		791576
Freehold	2		801249
Freehold	2		915913
Freehold	2		997931
Freehold	2		998239
Freehold	2		1081385
Freehold	2		1234475
Freehold	3	8	2770
Freehold	3	5	2770
Freehold	3	3	2770
Freehold	3	1	2770
Freehold	3		112742
Freehold	3	2	192121
Freehold	3		194043
Freehold	3		236668
Freehold	3		629491
Freehold	3	28	758554
Freehold	3	29	758554
Freehold	3		791576
Freehold	3		998239
Freehold	3		998477
Freehold	3		1183514

Tenure Type	Lot	Section	Deposited Plan Number
State Rail Authority (Crown)	3		1170997
Freehold	3		1199733
Freehold	3		1234475
Freehold	4	8	2770
Freehold	4	5	2770
Freehold	4	6	2770
Freehold	4	4	2770
Freehold	4	3	2770
Freehold	4	1	2770
Freehold	4	2	2770
Freehold	4	2	192121
Freehold	4	28	758554
Freehold	4	29	758554
Freehold	4		801249
State Rail Authority (Crown)	4		1170997
Freehold	4		1199733
Freehold	4		1234475
Freehold	5	8	2770
Freehold	5	6	2770
Freehold	5	4	2770
Freehold	5	3	2770
Freehold	5	1	2770
Freehold	5		112742
Freehold	5	2	192121
Freehold	5	28	758554
Freehold	5		801249
State Rail Authority (Crown)	5		1170997
Freehold	5		1199733
Freehold	5		1234475
Freehold	6	8	2770
Freehold	6	3	2770
Freehold	6	1	2770
Freehold	6	2	192121
Freehold	6		749716
Freehold	6		750926
Freehold	6	28	758554
Freehold	6		821183
Freehold	6		1199733
Freehold	6		1234475
Freehold	7		112742

Tenure Type	Lot	Section	Deposited Plan Number
Freehold	7	2	192121
Freehold	7		236668
Freehold	7		749716
Freehold	7		784436
Freehold	7		821183
Freehold	7		1170997
Freehold	7		1199733
Freehold	7		1234475
Freehold	8		255048
Freehold	8		770911
Road	8		1072668
Freehold	8		1170997
Freehold	8		1199733
Freehold	9		255048
Freehold	9		750926
Road	9		1072668
Freehold	9		1199733
Freehold	10		255048
Freehold	10		750926
Road	10		1072668
Freehold	10		1184928
Freehold	10		1199733
Freehold	11		112742
Freehold	11		255048
Freehold	11		1051153
Road	11		1072668
Freehold	11		1184928
Freehold	12		112742
Freehold	12		255048
Freehold	12		659924
Road	12		1072668
Freehold	12		1112792
Freehold	13		112742
Freehold	13		255048
Freehold	13		750926
Freehold	13		1112792
Freehold	14	8	2770
Freehold	14		112742
Freehold	14		255048
Freehold	14		1112792
Freehold	15		112742
Freehold	15		255048
Freehold	15		750926

Tenure Type	Lot	Section	Deposited Plan Number
Freehold	15		1112792
Freehold	16		112742
Freehold	16		255048
Freehold	16		750926
Freehold	16		1072668
Freehold	16		1112792
Freehold	17		2770
Freehold	17		112742
Road	17		1072668
Freehold	18		112742
Freehold	18		1072668
Freehold	19		112742
Freehold	19		750926
Road	19		1072668
Freehold	20		112742
Freehold	20		747226
Freehold	20		1072668
Freehold	21		554140
Freehold	21		750926
Freehold	22		554140
Freehold	22		776758
Freehold	22		870608
Freehold	22		1041946
Freehold	22		1072668
Freehold	23		1041946
Freehold	24		742543
Freehold	24		1072668
Freehold	25		1053537
Freehold	25		1072668
Freehold	26		750926
Freehold	26		1072668
Freehold	27		745897
Freehold	27		1072668
Freehold	28		750926
Freehold	29		731706
Freehold	30		137297
Freehold	35		1076510
Freehold	36		1108421
Freehold	38		750926
Freehold	39		750926
Freehold	41		750926
Freehold	42		750926
Freehold	43		750926

Tenure Type	Lot	Section	Deposited Plan Number
Freehold	44		750926
Freehold	45		750926
Freehold	50		809718
Freehold	51		809718
Freehold	71		626353
Freehold	71		750926
Freehold	72		626353
Freehold	72		750926
Freehold	73		750926
Freehold	74		750926
Freehold	86		750926
Freehold	90		750926
Crown	90		1215947
Freehold	91		750926
Freehold	92		750926
Freehold	93		750926
Freehold	94		665393
Road	100		1148907
Freehold	100		1177385
Freehold	101		1148907
Freehold	102		1148907
Freehold	103		1148907
Freehold	104		1148907
Freehold	105		1148907
Freehold	106		1148907
Freehold	122		750926
Freehold	123		700578
Freehold	123		750926
Freehold	124		700578
Freehold	124		750926
Freehold	126		750926
Freehold	127		750926
Freehold	130		750926
Freehold	131		750926
Freehold	132		558246
Freehold	132		750926
Freehold	133		750926
Freehold	135		750926
Freehold	143		750926
Freehold	144		1120266
Freehold	145		1120266
Freehold	146		750926
Freehold	147		1083411

Tenure Type	Lot	Section	Deposited Plan Number
Freehold	149		750926
Freehold	150		750926
Freehold	151		750926
Freehold	152		750926
Freehold	153		750926
Freehold	154		750926
Freehold	164		635272
Freehold	177		750926
Freehold	181		750926
Freehold	184		750926
Freehold	188		750926
Freehold	189		750926
Freehold	190		750926
Freehold	193		750926
Freehold	195		750926
Freehold	196		750926
Freehold	199		750926
Freehold	200		750926
Freehold	211		750926
Freehold	212		750926
Freehold	213		750926
Freehold	214		750926
Freehold	215		750926
Freehold	216		750926
Freehold	217		750926
Freehold	218		750926
Freehold	219		750926
Freehold	220		750926
Freehold	221		750926
Freehold	224		750926
Freehold	236		750926
Freehold	237		750926
Freehold	238		750926
Freehold	239		750926
Freehold	240		750926
Freehold	241		750926
Freehold	242		750926
Freehold	251		750926
Freehold	253		750926
Freehold	254		750926
Freehold	256		750926
Freehold	258		750926
Freehold	259		750926

Tenure Type	Lot	Section	Deposited Plan Number
Freehold	260		750926
Freehold	261		561919
Freehold	261		750926
Freehold	262		750926
Freehold	263		750926
Freehold	264		750926
Freehold	265		750926
Freehold	268		567444
Freehold	268		750926
Freehold	269		567444
Freehold	269		750926
Freehold	270		750926
Freehold	271		750926
Freehold	272		750926
Freehold	273		750926
Freehold	274		750926
Freehold	275		750926
Freehold	276		750926
Freehold	278		750926
Freehold	279		750926
Freehold	280		750926
Freehold	282		750926
Freehold	505		711996
Freehold	641		554159
Freehold	1006		1235827
Freehold	1007		1235827
Freehold	1008		1235827
Freehold	1009		1235827
State Rail Authority (Crown)	1031		1164040
Freehold	1453		628493
Crown	7001		93329
Crown	7304		1146786
Freehold	A		174071
Freehold	A		432713
Freehold	B		174071
Freehold	B		432713
Crown Watercourse		Hunter River	
State Rail Authority (Crown)		Muswellbrook Merriwa Railway	
State Rail Authority (Crown)		Railway lands located within, between or adjacent to the above parcels of land	

Tenure Type	Lot	Section	Deposited Plan Number
Muswellbrook Council or Department of Lands (Crown)		Various council and Crown public and unformed roads located within, between or adjacent to the above parcels of land	
Freehold		Any identified or unidentified historical title residues located within, between or adjacent to the above parcels of land	

935405-002

Tenure Type	Lot	Section	Deposited Plan Number
Crown		Creeks or streams located within, between or adjacent to the above parcels of land	
Crown		Any unidentified Crown land or Crown land historical title residues located within, between or adjacent to the above parcels of land	

Note: The Development Consent Boundary is shown conceptually on the figure below.

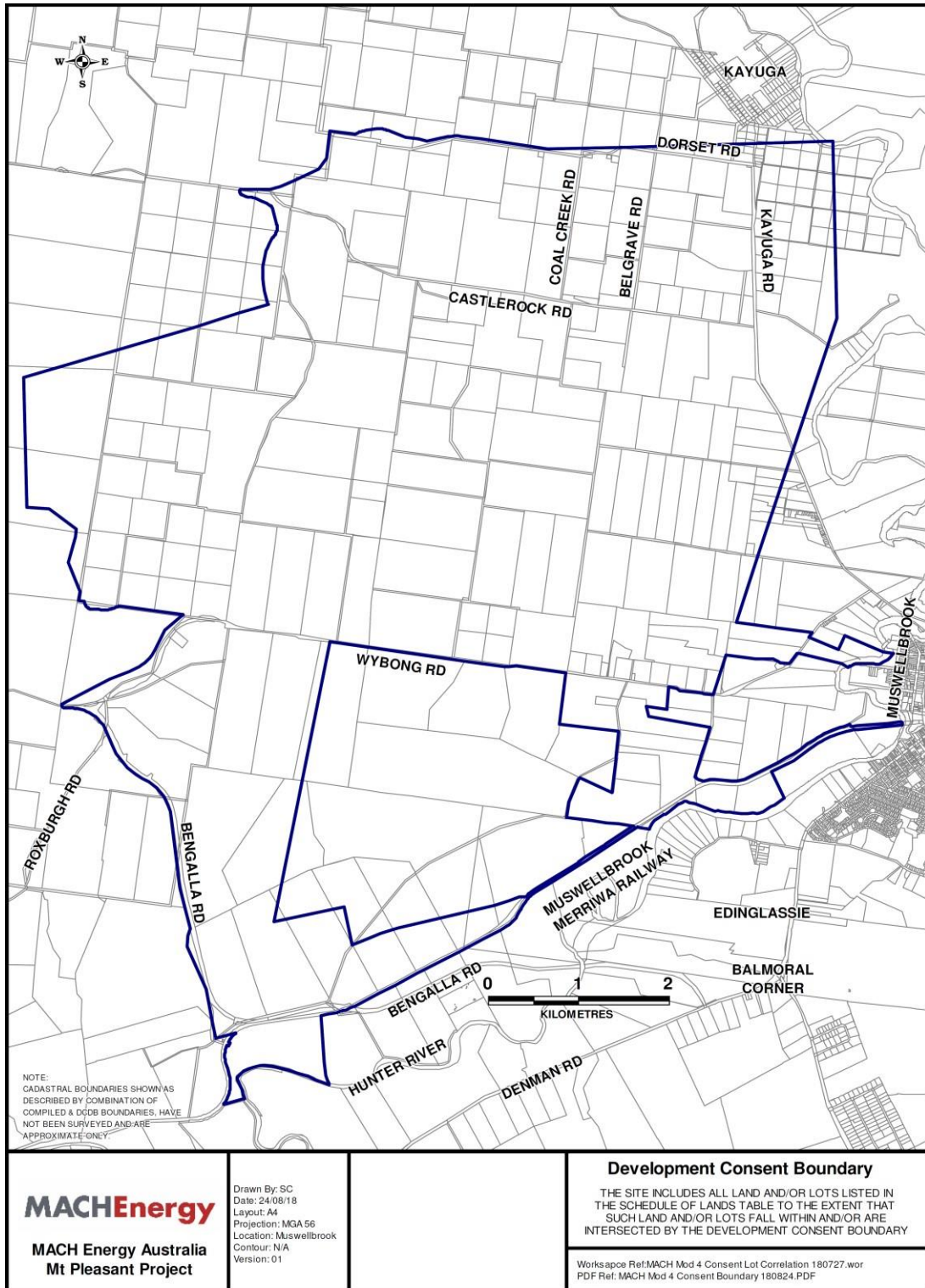


FIGURE 2 - CONCEPTUAL PROJECT LAYOUT PLAN AT 2025

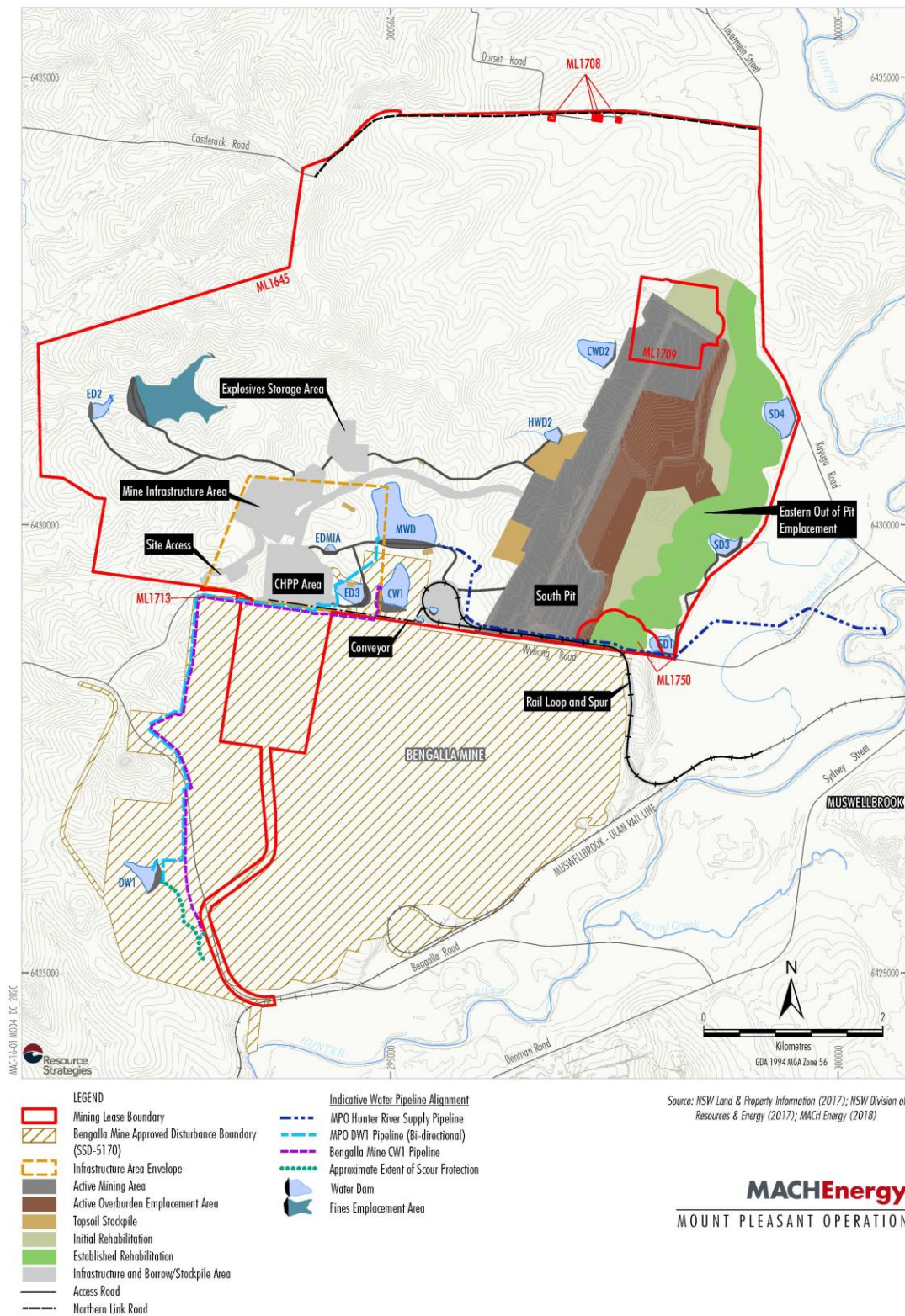
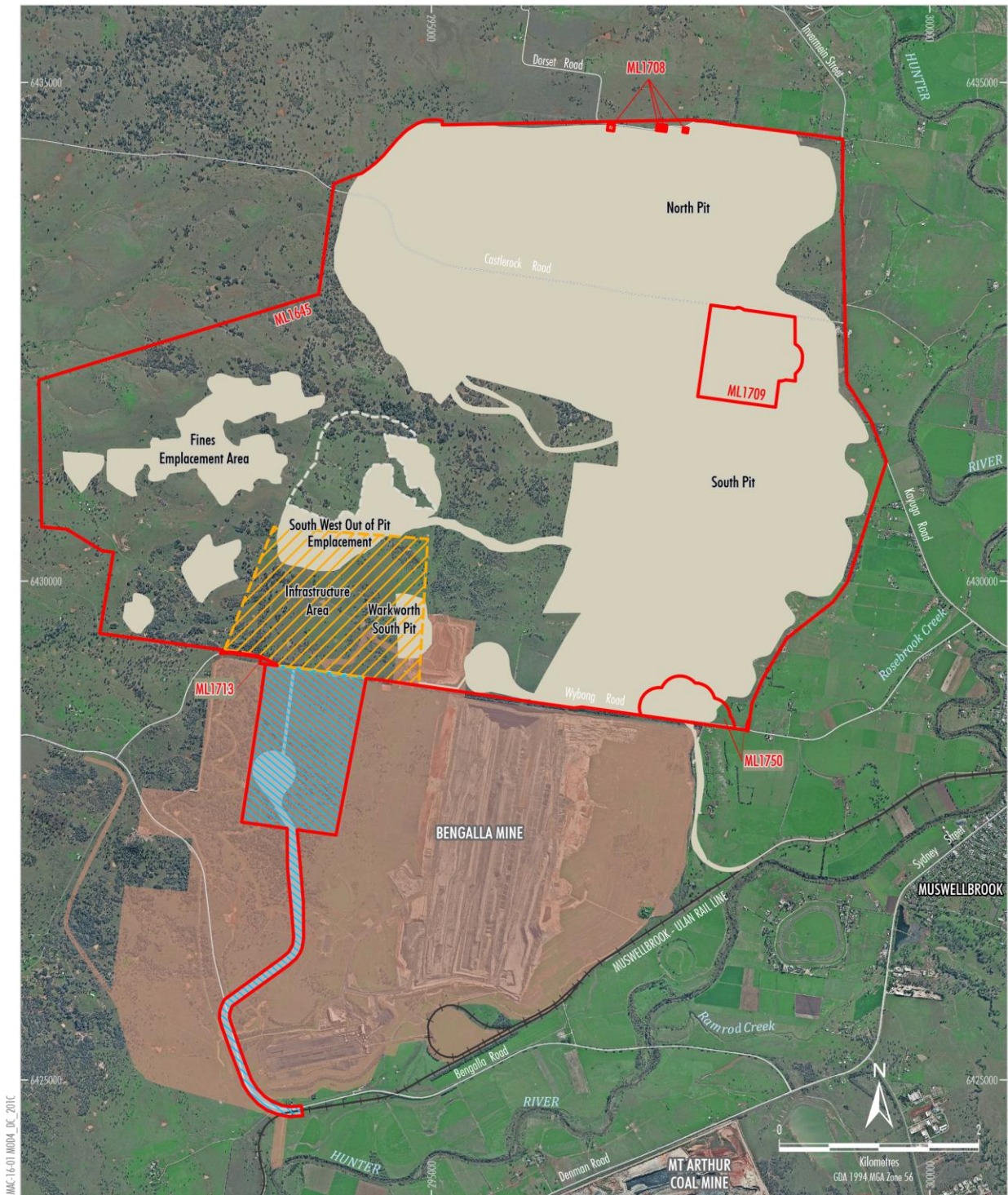


FIGURE 3 - APPROVED SURFACE DISTURBANCE PLAN



- LEGEND**
- Mining Lease Boundary
 - Approximate Extent of Approved Surface Development ¹
 - Area Relinquished for Overburden Emplacement and Major Infrastructure
 - Infrastructure Area Envelope
 - Infrastructure to be removed under the Terms of Condition 37, Schedule 3
 - Indicative Existing Coal Transport Infrastructure
 - Bengalla Mine Approved Disturbance Boundary (SSD-5170)

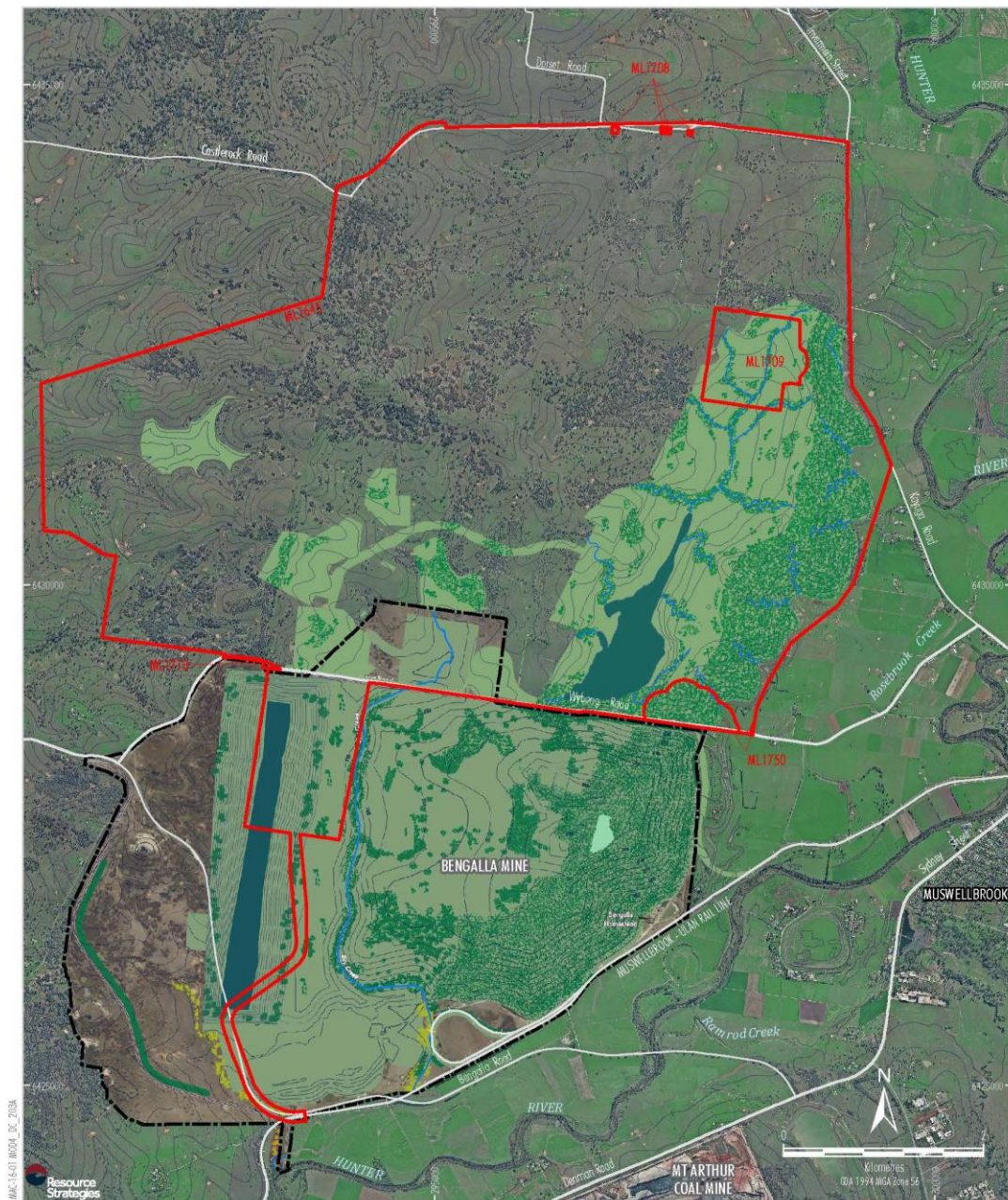
NOTE

1. Excludes some project components such as water management infrastructure, infrastructure within the Infrastructure Area Envelope, offsite coal transport infrastructure, road diversions, access tracks, topsoil stockpiles, power supply, temporary offices, signalling, other ancillary works and construction disturbance.

Source: NSW Land & Property Information (2017); NSW Division of Resources & Energy (2018); Department of Planning and Environment (2016); MACH Energy (2017)
 Orthophoto: MACH Energy (Aug 2016)

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 MOUNT PLEASANT OPERATION
 Approved Surface Disturbance Plan

FIGURE 4 - CONCEPTUAL FINAL LANDFORM



- LEGEND**
- Mt Pleasant Mining Lease Boundary
 - Final Void
 - Final Rehabilitation
 - Bengalla Mine Conceptual Final Landform *
 - Project Boundary (Appendix 2 of Development Consent SSD-5170) (Dated 23 December 2016)
 - Dry Creek
 - Final Void Lake
 - Rehabilitation
 - Rehabilitation Class III
 - Indicative Tree Screens (or equivalent)
 - Treed Rehabilitation
 - Indicative Restorative Area

* Digitised from Appendix 9 of Development Consent (SSD-5170) and amended in the Mount Pleasant Operation CHPP area.

Source: NSW Land & Property Information (2017); NSW Division of Resources & Energy (2017); Department of Planning and Environment (2016); MACH Energy (2017) Orthophoto: MACH Energy (Aug 2016)

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MOUNT PLEASANT OPERATION
Conceptual Final Landform
(2026)

36. In Appendix 3:

- (a) in the row beginning "Noise and vibration":
 - in the second bullet point, delete the words "construction of the conveyor" and insert "MOD 4 rail infrastructure";
 - in the fourth bullet point, delete the words "a cover and a shield on the western side of the conveyor at locations where the conveyor would be at ground level. Where the conveyor is elevated, it will be completely enclosed;"; and
 - in the fifth bullet point, delete the words "additional 13 properties affected under adverse conditions" and insert "privately-owned properties listed in Table 1 of Schedule 3";
- (b) in the row beginning "Ecology":
 - delete the first bullet point; and
 - in the second bullet point, delete the words "and conveyor/service corridor (should this option be pursued)";
- (c) in the row beginning "Aboriginal cultural heritage", delete the second and fourth bullet points;
- (d) in the row beginning "Visual amenity", in the first bullet point, delete the word "Landscape" and insert "Visual Impact";
- (e) delete the rows beginning "Surface Water", "Other environmental aspects" and "Operational Management";
- (f) after the row beginning "Removal of Mount Pleasant Infrastructure South of Wybong Road", insert the following:

Flooding	<ul style="list-style-type: none"> • MACH Energy will design the MOD 4 rail infrastructure (including associated hydraulic structures) to meet the following criteria for potential flooding impacts for a 1% Annual Exceedance Probability flood event: <ul style="list-style-type: none"> ○ no more than 0.1 m increase in flood levels on any privately-owned land; ○ no more than 0.01 m increase in flood levels at any privately-owned dwellings or commercial spaces; ○ no more than 0.01 m increase in flood levels at any public roads servicing privately-owned properties; and ○ no more than 0.1 metres per second (m/s) increase in flood velocities at privately-owned dwellings or commercial spaces.
Rail Noise	<ul style="list-style-type: none"> • MACH Energy will document in the Mount Pleasant Operation Noise Management Plan reasonable and feasible measures that can be undertaken to minimise brake squeal associated with the MOD 4 rail infrastructure. • The MOD 4 rail infrastructure will be subject to best practice detailed design, including consideration of brake squeal and bunching potential. • MACH Energy will work with rail freight providers and a noise specialist during the final commissioning of the MOD 4 rail infrastructure to undertake trials and implement operational noise controls. This may include, for example, optimising train speed to reduce observed excessive noise. • In the event of recurring rail noise complaints, MACH Energy will consult with rail freight providers to investigate the cause of the noise and investigate reasonable and feasible mitigation options to address the issue. This may include, for example, further varying rail speeds, driver behaviour or stock maintenance. MACH Energy will consider the outcomes of any such investigation in the renewal or extension of Mount Pleasant Operation rail freight contracts.
Redundant Infrastructure Removal in Bengalla Mine Footprint	<ul style="list-style-type: none"> • MACH Energy will stabilise redundant rail infrastructure areas within the footprint of the Bengalla Mine such that they do not pose an ongoing material source of dust emissions (i.e. seeding to establish a cover crop and/or application of a dust suppressant) prior to management of these areas being transferred to Bengalla Mine. • Existing Mount Pleasant Operation rail spur erosion and sediment control water management structures (e.g. sediment fences) within the footprint of Bengalla Mine will also be left in place, subject to agreement of Bengalla Mine.

Visual Vegetation Screens	<ul style="list-style-type: none"> MACH Energy will inspect the condition of the vegetation visual screens described in the Visual Impact Management Plan on a quarterly basis, and maintain these vegetation visual screens to the satisfaction of the Secretary.
Construction Traffic	<ul style="list-style-type: none"> MACH Energy will develop a Construction Traffic Management Plan for the MOD 4 construction works in consultation with Council and to the satisfaction of the Secretary.
Management of Historic Heritage Items	<ul style="list-style-type: none"> MACH Energy will implement historic heritage management associated with MOD 4 in consultation with Council and a copy of any resulting reports/documentation will be provided to Council for its records. MACH Energy will consult with Council on the content of the photographic record of Overton Orchard and Race Track. MACH Energy will limit movement of vehicles/machinery in the area of the Overton Orchard and Race Track to avoid potential damage outside of the MOD 4 disturbance footprint, in consultation with Council. This includes avoiding disturbance of the areas shown in blue on Figure 6 of the Statement of Heritage Impact (Extent, 2007) included as Appendix F of EA (MOD 4). MACH Energy will consult with Council on potential points of access and routes for heavy vehicles and machinery at the Blunt's Butter Factory. Points of access and routes will be demarcated and MACH Energy will ensure heavy vehicles remain within the demarcated areas. MACH Energy will consult with Council regarding appropriate demarcation to restrict movement of heavy vehicles near the two cuttings located east of Overton Orchard. If artefacts are exposed at the base of the well at MP13, works will cease until an archaeologist advises whether or not they constitute 'relics' under the NSW Heritage Act 1977 and whether works should proceed pursuant to an application for an 'exception', or an excavation permit.

37. In the Note at the end of Appendix 3, after the words "EA MOD 1", insert ", unless otherwise stated".
38. Delete Appendix 5 and insert the following:

APPENDIX 5

LAND OWNERSHIP, RECEIVER LOCATIONS AND NOISE ASSESSMENT GROUPS

Ref No	Landholder	Ref No	Landholder	Ref No	Landholder
1	MACH ENERGY AUSTRALIA PTY LTD	182	JG & AJ SADLER	302	MJ & MJ DUNCAN
2	BENGALLA MINING COMPANY PTY LTD	189	OB O'BRIEN	305	RH ENGLEBRECHT
3	ANGLO COAL (DARTBROOK MANAGEMENT) PTY LTD	191	JA & JE FIBBINS	400	ROSSGOLE PASTORAL COMPANY PTY LTD
4	JR SCRIVEN	192	IG & CW INGLE	401	JL & DG DAY
5	COAL OPERATIONS AUSTRALIA LTD	193	GM & KL SMITH	402	PC BRITTAN
6	MUSWELLBROOK RACE CLUB LTD	194	TC & JBA HARRIS	403	WILCROW PTY LTD
7	MUSWELLBROOK COAL COMPANY LTD	195	T & RK YOUNG	404	JL & DG & RW DAY
8	MANGOOKA COAL OPERATIONS PTY LTD	198	TJ & NP GOLDRICK	405	GL & JL DANIELS
19	DP ENGLEBRECHT	199	NA BURLING	406	LE & SR HOLDSWORTH
20	KB & JA BARNETT	200	R EASTON	407	AD LONERGAN
21	MJ MCGOLDRICK	201	PA & MP O'BRIEN	408	SN BATEMAN
23	JABETIN PTY LTD	202	DN RAPHAEL	409	AP CORLISS
35	C HORNE	203	RF & MA MILLARD	410	V BATEMAN
43	JB MOORE	206	WJ HARDES	411	DL CADDEY
45	BA & TE STRACHAN	207	SW & KL BARKLEY	412	JA BAILEY
47	BL & ML BATES	208	FK & WDG ALMOND & PW HUME	413	MJH LUMBY
67	JM SIMPSON	212	DR & CJ TUBB	414	PG LUCK
68	RK & NV GOOGE	213	ENGLEBRECHT RACING STABLES PTY LTD	415	SJ FRANKLAND
74	N & M SORMAZ	214	AL THOMSON-WEIR & RC WEIR	416	RV MITCHELL
77	DM PURSER	215	WJ & CB MCINTOSH	417	M & JA CASTELLANA
79	DW ADNUM	216	NJ KEEVERS	418	PB WATTS
80	WJ ADNUM	217	RRA FARNSWORTH	419	KM BATES & TG WOODS
82	CK BIRCH	218	SY JOHNSON	420	D COLLINS
83	LG & CM KELMAN	219	GL & KL ANDREWS	421	GW RICHARDS
84	GE PITMAN	220	RA BYRNES & MA MOLLER	422	ME DANIELS
86	COWTIME INVESTMENTS PTY LTD	221	TD BARRON	423	DB WRIGHT
96	RP GRAY	222	ML & EA SWEENEY	424	TJ & AD & J LONERGAN & DM MCGUIGAN
102	AJPS MATHER	223	MC & LJ DOBIE	425	JE LONERGAN
108	JS GIBSON	224	DL ROBINSON	426	J BIRCH
112	BD BARRY	225	MR CRANFIELD & JR GLEESON	427	IJ BYFIELD
118	JM & CA HAYES	249	TW ROOTS	428	JM GOWING
120	DL & PA MOORE	252	RM & KF MERRICK	429	KP & MD & JJ COLLINS & ML WILLIAMSON
121	C & JM MOORE	257	PG & CM LANE	430	DJ HULBERT
136	DG YORE	258	NJ & RY ELLIS	431	GJ DAY
139	RW & LP UPTON	259	MR PEEL	432	REN & TR ADAM & KL CONE
140	DAPKOS PTY LTD	260	PSJ MURRAY	433	CJ ASHFORD & JP BRENNAN
143	JS & NM LONERGAN	261	PR ELLIS	434	GJ & RL JONES
147	MJ & RG ADNUM	271	DE KILGANNON & DS MACDOUGALL	435	MN FRASER
153	GM CASEY	272	GC SPARRE	436	MEDEGATE PTY LTD
154	PD & F STANDING	273	IJ & CM RICHARDS	437	BG & S CANVIN
156	JE & JL LONERGAN	280	MONADELPHOUS PROPERTIES PTY LTD	438	WALFERTAN PROCESSORS PTY LTD
157	RB PARKINSON	281	JR & JA BUCKLEY	439	PITNACREE (BLAIRMORE) PTY LTD
158	JM HOATH	282	JE ANDERSON & KL & J CAMPBELL & MV & DJ & SE & TP HALLETT	440	DARLEY AUSTRALIA PTY LTD
159	JE & MS DUCEY	283	SRP & RF RAY	441	MACQUEEN PROJECTS PTY LTD
169	I GREENSILL & J WATTUS	285	THE NEW SOUTH WALES GREYHOUND BREEDERS OWNERS & TRAINERS ASSOCIATION LTD	442	WJ BOURKE
172	RL & CE THOMPSON	286	MUSWELLBROOK SHIRE COUNCIL	443	RG & K BRADLEY
173	TL KING & JA WARD	287	TELSTRA CORPORATION LTD	444	JW & VL BRACE
174	TJ & ML POWER	288	LA & JM WEBSTER	445	AUSGRID
176	JAF & LA ALLAN	289	RA & EA LAWMAN	446	W CLARKE & G HURST & W KELYMACK & G LANE & G WOOLNOUGH
177	FW & HM & SA WHEATLEY	292	GR & MK WALSH	447	NM & JS LONERGAN
178	PA NEELY	293	MG & LJ LATHAM	448	JS LONERGAN
179	FW WHEATLEY	296	JM WILD	449	KM LEE
180	FA WHEATLEY & SON PTY LTD			450	KL & GM SMITH
181	KL & HR DAY PTY LTD				

MAC-16-01 MOD4_DC_001A

Source: NSW Land & Property Information (2018)

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MOUNT PLEASANT OPERATION
Landholder List

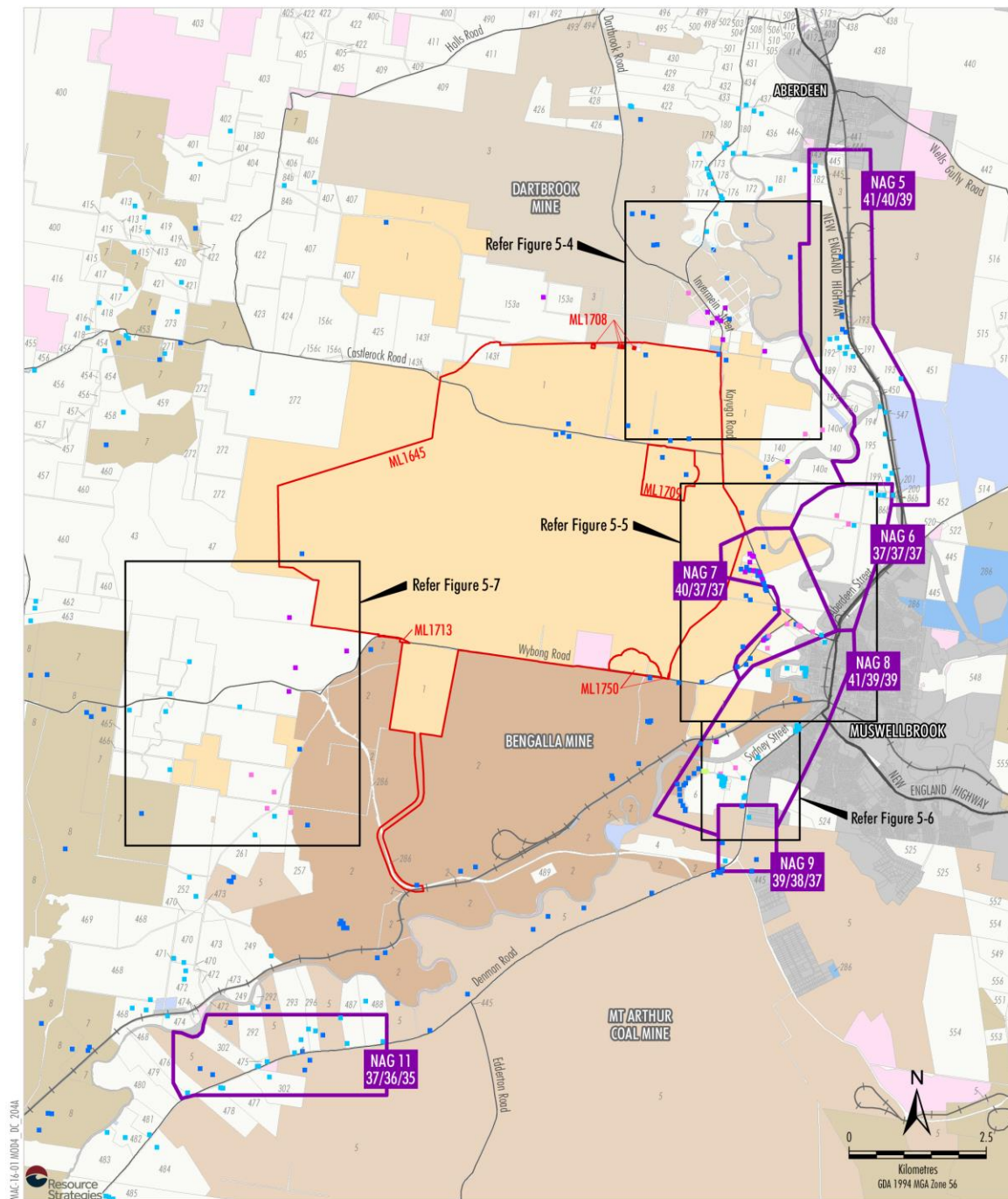
Figure 5-1

Ref No	Landholder	Ref No	Landholder
451	GK & HM SANSOM	506	SA & RP WITHERS
452	AJR MADDEN	507	NE GOLLAN
453	SC & ME DEVER	508	VG FOSTER
454	AP & PE MCMANUS	509	GJ DAY & J WATTUS
455	RP KEAST	510	YR & SG WILKS
456	GT KEAST	511	MJ & KM FARRELL
457	AM PRATT	512	GR & EA MEDHURST
458	HJ WRIGHT	513	DC & GJ WILTON
459	AJ & LL MARTIN	514	BROADCAST AUSTRALIA PTY LTD
460	RG GOWING	515	SB & JA REICHEL
462	SH JENMAR	516	MP CLIFFORD
463	IV & CA INGOLD	517	FL COLEMAN & JC THOMAS
464	KL BALMER & JL SMITH	518	VM FRENCH
465	FN & WL GOOGE	520	JEHOVAH'S WITNESSES CONGREGATIONS
466	GT MCNEILL	522	BJ & VR PASSLOW
467	MWJ & LC WALTON	523	HG & MG COPE & PM & FP FARRELL
468	S.R. & J.W. LAWSON (LINDISFARNE) PTY LTD	524	G GILLFEATHER
469	FN GOOGE	525	IR & F WEBBER
470	JI & PJ BROWN	526	DL WICKS
471	PJ BROWN	527	DJ & GH CORK
472	JDM MARKHAM	528	AS CHICK
473	MR & M PEEL	529	TH HAMILTON & AM SMITH
474	AA & BT MEYER	530	SC & NJ BULLARD & JM HARRISON
475	EJ & CA DENTON	531	GJ & EA MUNZENBERGER
476	LA & CA MACPHERSON	532	VL ROSE
477	MW TURNER	533	MJ BROWN
478	RL ANGUS	534	EE MARKS
479	HM WENG & FYP ZHU	535	GL & DN HORTON
480	HR & BC GRUGEON	536	LJ CUMMINS
481	RL WILKS	537	TJ D'HERVILLE
482	DJ PHILLIPS	538	KD POWER & T VERO
483	RW JONES	539	PH CURTAIN & CA SINGLETON
484	TR & KM PAULSEN	540	GRENTILL PTY LTD
485	PR & M BURGMANN	541	JG HINDER & VG MATHEWS
486	GW & HM BLAKE	542	PE & GJ CHAPMAN
487	E RANKIN	543	KD CLOSE
488	E & WJ RANKIN	544	DS & RM NEWTON
489	ALIFORM PTY LTD	545	JA GREEN
490	RL GORDON	546	SJ SCOTT
491	PW GILLIGAN	547	LA & FK & G BRYANT
492	HM & CR GOODSSELL	548	WANARUAH LOCAL ABORIGINAL LAND COUNCIL
493	AW & JC YOUNG	549	TTW KEAST & RA SUMNER
494	BJ & K FLAHERTY	550	SR PAGE
495	DAVHAM NOMINEES PTY LTD	551	PA & SL RYAN
496	RW DAVIS	552	MT PERRAM
498	SCONE POLO CLUB INCORPORATED	553	MF & AV DOHERTY
499	RD & TL JONES	554	K CASBEN
500	GWRD HOLDINGS PTY LTD	555	GLENDOWER PASTORAL CO PTY LTD & GYARRAN PTY LTD
501	JW TAYLOR		
502	LC SCOWEN	556	CS JACOBSEN
503	JR GORDON	557	CJ & LE DUCK
504	MT O'CONNELL		
505	GC O'HARA		

Source: NSW Land & Property Information (2018)

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MOUNT PLEASANT OPERATION
Landholder List

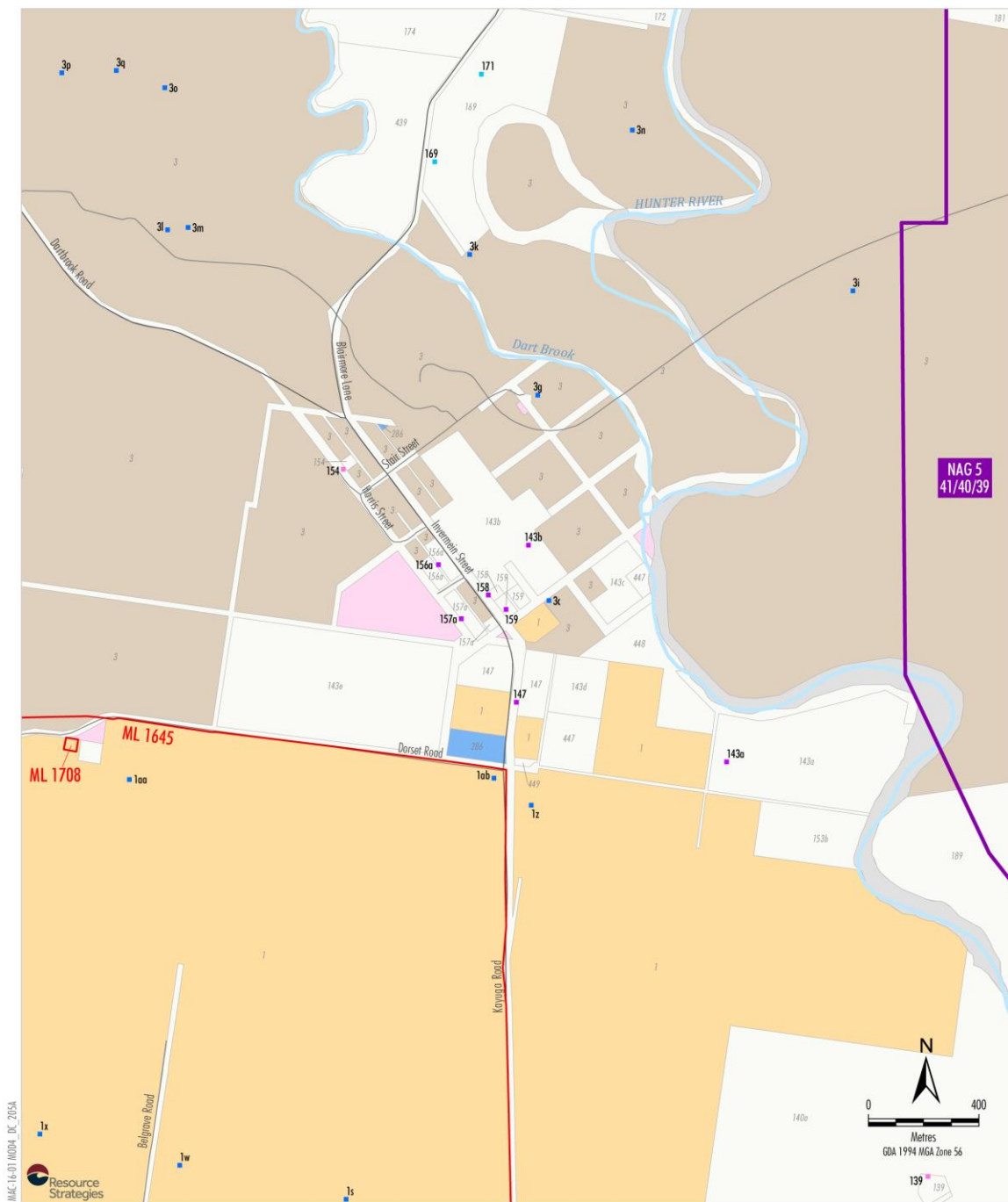
Figure 5-2



Source: NSW Land & Property Information (2017); NSW Division of Resources & Energy (2017)

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MOUNT PLEASANT OPERATION
Land Ownership

Figure 5-3



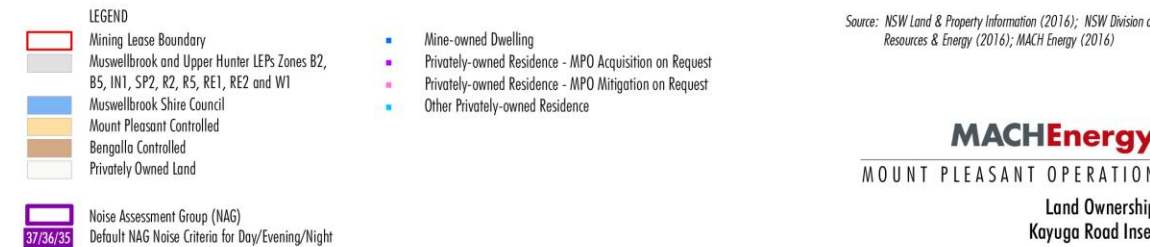
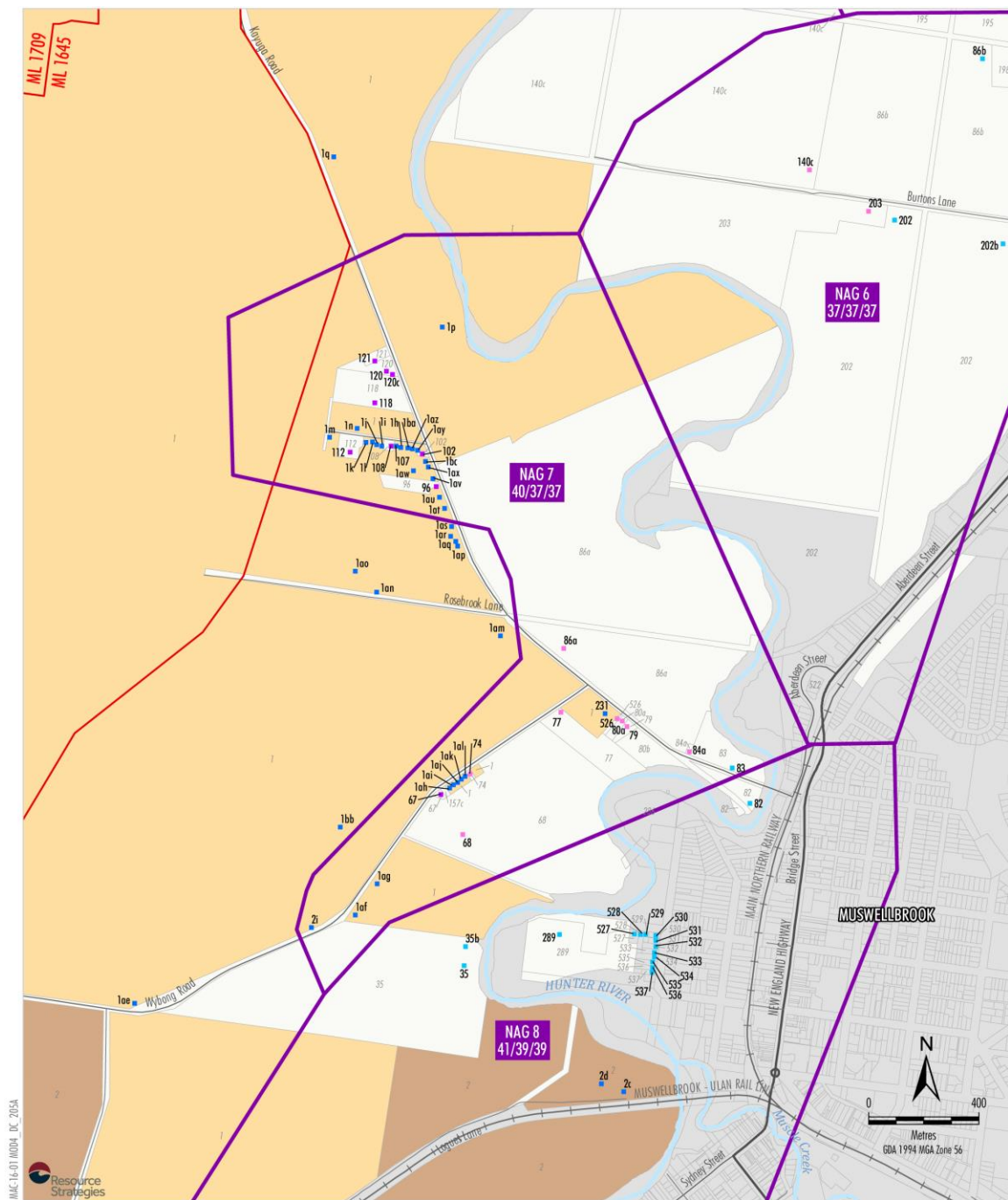
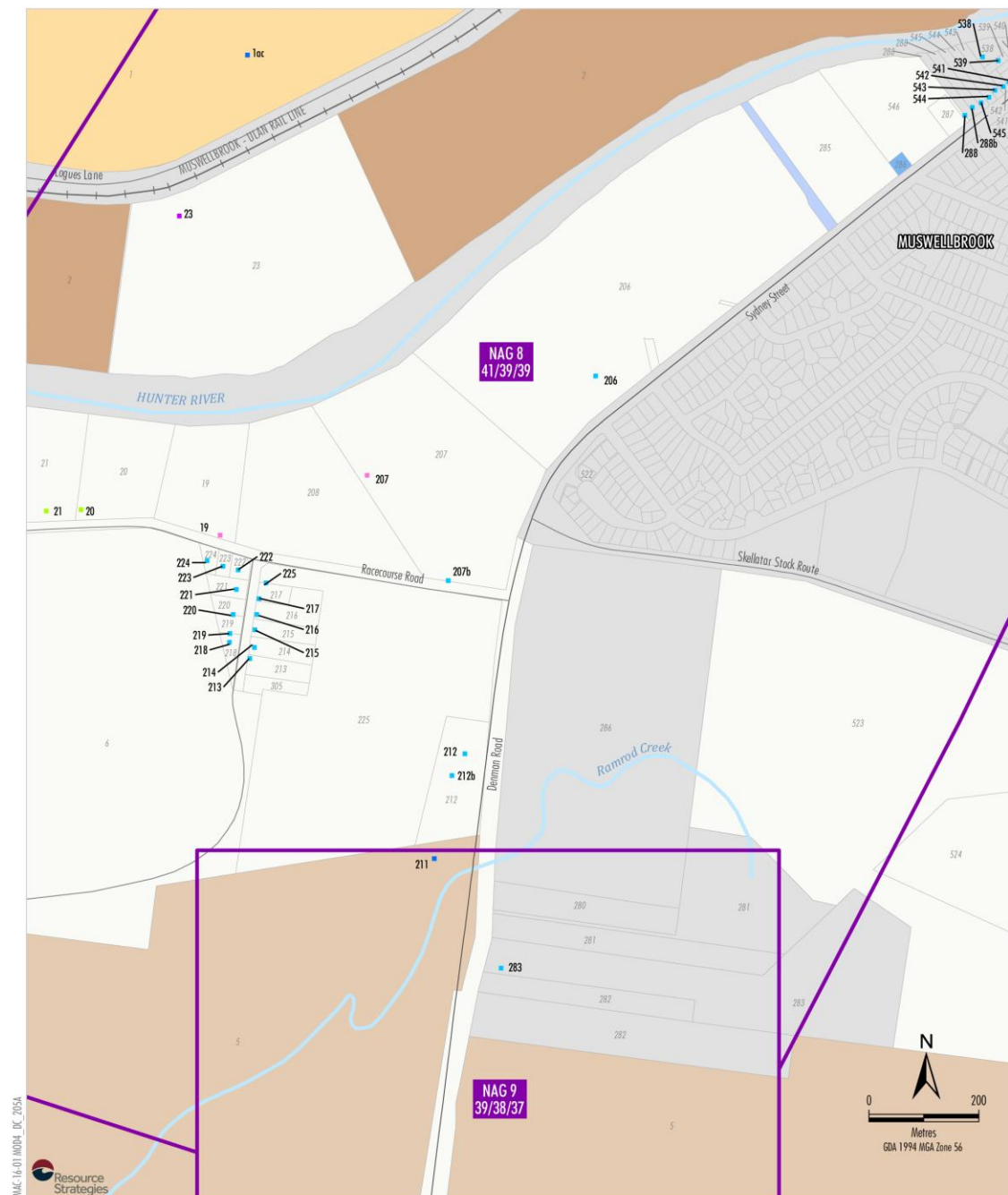


Figure 5-5



LEGEND

- Muswellbrook and Upper Hunter LEPs Zones B2, B5, IN1, SP2, R2, R5, RE1, RE2 and W1
- The State of NSW
- Muswellbrook Shire Council
- Mount Pleasant Controlled
- Bengalla Controlled
- Mt Arthur Controlled
- Privately Owned Land
- Noise Assessment Group (NAG)
37/36/35

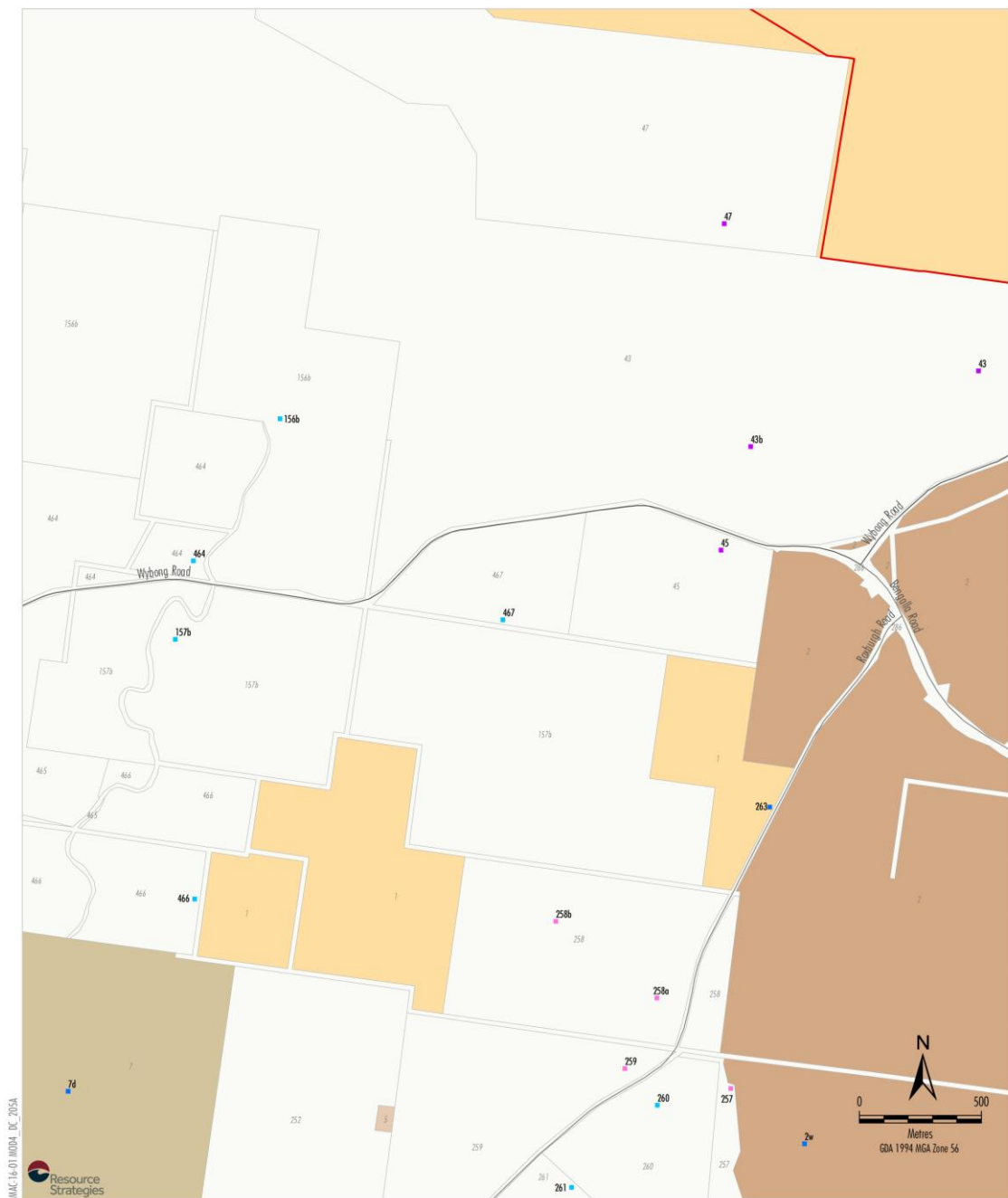
- Mine-owned Dwelling
- Privately-owned Residence - MPO Acquisition on Request
- Privately-owned Residence - MPO Mitigation/Acquisition on Request *
- Privately-owned Residence - MPO Mitigation on Request
- Other Privately-owned Residence

* MPO Mitigation on Request - rail noise. MPO is only required to acquire and/or install air quality mitigation measures at this property if acquisition and/or mitigation is not reasonably achievable under a separate approval for the Bengalla Mine.

Source: NSW Land & Property Information (2016); NSW Division of Resources & Energy (2016); MACH Energy (2016)

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MOUNT PLEASANT OPERATION
Land Ownership
Denman Road Inset

Figure 5-6



- LEGEND**
- Mining Lease Boundary
 - Mount Pleasant Controlled
 - Bengalla Controlled
 - Mt Arthur Controlled
 - Other Mining/Resource Company Controlled
 - Privately Owned Land
-
- Noise Assessment Group (NAG)
 - 37/36/35 Default NAG Noise Criteria for Day/Evening/Night

- Mine-owned Dwelling
- Privately-owned Residence - MPO Acquisition on Request
- Privately-owned Residence - MPO Mitigation on Request
- Other Privately-owned Residence

Source: NSW Land & Property Information (2016); NSW Division of Resources & Energy (2016); MACH Energy (2016)

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 MOUNT PLEASANT OPERATION
 Land Ownership
 Wybong Road Inset

Figure S-7

39. Update the Table of Contents to reflect the changes made by this instrument.