

Receipt no. 3937033



Queensland
Government

To	Ms Lorraine O'Brien	From	enquiries@smartservice.qld.gov.au
Organisation	.	Date paid	12 September 2018, 9:46 am
Address	GPO Box 164 Brisbane QLD 4001	Paid by	Credit card

Item description	Reference	Amount (excl. GST)	GST	Amount (incl. GST)
Additional surface area - Mining Lease Coal Department of Natural Resources and Mines	ASAMLCOAL- 254004	\$4,584.00	\$0.00	\$4,584.00
			Total	\$4,584.00

page 1 of 1

Total amount paid **\$4,584.00**
No GST has been charged



Application for additional surface area on a mining lease

Mineral Resources Act 1989 (s275)

Form MMOL-27 Version 1

MINES ABN 59 020 847 551

You may make an application for additional surface area electronically using the [MyMinesOnline](#) system. Alternatively you may complete the original of this application and submit the application, any attachments and the prescribed fee at a [Mines lodgement office](#).

Note: A document containing information that is false or misleading may attract a maximum penalty of 200 penalty units.

Please read the relevant **Resource guide** ('the guide') and other relevant guides before completing this application. Please use a pen, and write neatly using **BLOCK LETTERS** Cross where applicable

Question 1 – Permit details

Permit number (eg ML01234): ML 70379 Current expiry date: 30/09/2031

Details of the current holder(s)

	Holder 1	Holder 2	Holder 3
Company Name/surname:	Middlemount Coal Pty Ltd	Ribfield Pty Ltd	
Given name (if individual):			
ACN/ARBN	122 348 412	082 772 283	
% Holding:	5%	95%	

Question 2 – Details of permit area

2.1 Size of surface area being added : 481 hectares

2.2 Why is surface area required?

The variation application to exchange areas of ML 70379 and ML 1831 was approved by the Minister on 04/05/2017. This application is for surface rights over the 'ML 70379 addition'

OFFICE USE ONLY	Fees paid:	Payment Method:	Receipt Number: _____
Received at: _____	Total \$ _____	Cash <input type="checkbox"/>	Receiving officer I confirm that: <ul style="list-style-type: none"> the details on application form have been checked; all attachments have been submitted; correct application fees have been submitted for the relevant application type (i.e. an application in a Restricted Area)
Received by: _____	DNRM <input type="checkbox"/>	Credit Card <input type="checkbox"/>	
Date: / /	EHP <input type="checkbox"/>	EFTPOS <input type="checkbox"/>	
Time: AM/PM	NT AD <input type="checkbox"/>	Cheque <input type="checkbox"/>	
Name: _____	Date: / /	Name: _____	
		Signed: _____ Date: / /	

Adjoining land

4.2 Provide property details for all land parcels adjoining the permit (add a separate page if insufficient space or use Adjoining land information template available on our website and attach to form)

Lot	Plan	Tenure	Land Parcel name	Landowner name	Landowner address
Eg. 1	RP123123	FH	Smith road	J Smith	123 Brisbane Rd, Brisbane
3	SP210524	FH	Booroondara	Middlemount Coal Pty Ltd	Level 17 444 Queen Street, Brisbane 4000

Restricted land

4.3 Are there any permanent buildings/relevant features within the application area or within the prescribed distances laterally of the boundary?

Yes No

4.4 If yes - Describe the permanent building or relevant structures

4.5 Do you have written consent from the owner of the land with permanent buildings or relevant structures?

Yes No

Attachments required:

If yes to 4.5 - Consent from the owner of land

Reserve land

4.6 Is the application area within the surface of reserve land?

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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4.7 If yes- specify the reserve land details:

Reserve number	Reserve name	Trustee name

4.8 Do you have written consent from the owner of the reserve?

<input type="checkbox"/> Yes	<input type="checkbox"/> No
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Attachments required:

If yes to 4.8 - Consent from the owner of the reserve

Overlapping permits

4.9 Specify any production or exploration permits overlapping with the application area

Permit type	Permit number	Authorised holder	Expiry date
N/A			

**This applies to: exploration permit, mineral development licence, mining claim, mining lease, authority to prospect, petroleum lease, geothermal exploration permit, geothermal lease.*

Note: Chapter 4 of the Mineral and Energy Resources (Common Provisions) Act 2014 outlines the overlapping requirements that may apply to your application if it is overlapping with another authority

Attachments required for coal mining lease in the area of an authority that is administered under Chapter 8 of the Mineral Resources Act 1989:

- Authority to prospect - Provide a CSG statement and any other information that addresses the CSG assessment criteria
- Authority to prospect and a petroleum lease - Provide a CSG statement and any other information that addresses the CSG assessment criteria
- Petroleum lease - Provide a CSG statement

Greenhouse Gas tenure overlap

4.10 Is the application area situated within an area of a greenhouse gas (GHG) tenure?

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
------------------------------	--

4.11 If yes - Specify the GHG tenure details:

Permit type	Permit number	Authorised holder	Expiry date

Attachments required:

Provide a GHG statement and any other information that addresses the GHG assessment criteria

Question 5 – Environmental authority

5.1 Please tick what type of environmental authority will be attached to this application

Standard application for an environmental authority	<input type="checkbox"/>
Variation application for an environmental authority	<input type="checkbox"/>
Site specific application for an environmental authority	<input type="checkbox"/>
Amendment to an environmental authority	<input checked="" type="checkbox"/>
Attachments required:	
Environmental authority application form (if applicable)	<input checked="" type="checkbox"/>
Environmental sensitive area map (if applicable)	<input type="checkbox"/>

Question 6 – Native title

Please ensure that you have you read and understood the **Guide to the native title process** and supporting policies

6.1 Please elect which native title process you wish to undertake.

Option 1	Exclusive	No native title process is required as I have determined that 100% of the permits area is exclusive of native title.	<input checked="" type="checkbox"/> (Go to Q7)
Option 2	Right to negotiate	Advertising cost required and Right to negotiate submission	<input type="checkbox"/> (Q6.2 must be completed)
Option 3	Right to negotiate and ILUA (existing, private or state ILUA)	Advertising cost required Requires monthly updates be submitted to the department (for new private ILUA) and Right to negotiate submission	<input type="checkbox"/> (Q6.2 must be completed)
Option 4	New Private ILUA	Requires monthly updates be submitted to the department	<input type="checkbox"/> (Go to Q7)
Option 5	Opt into existing private ILUA	Name: _____ or _____ Number: _____	<input type="checkbox"/> (Go to Q7)
Option 6	State ILUA	Name: _____	<input type="checkbox"/> (Go to Q7)

Attachments required:	
Private ILUA or extract of private ILUA (Option 3,5)	<input type="checkbox"/>
Opt in deed for ILUA (Option 3,5,6)	<input type="checkbox"/>
Right to negotiate submission (template available on Departments website)	<input type="checkbox"/>

6.2 If you have elected to undertake a native title option that requires advertising, please select which advertising method you wish to undertake from one of the options below:

Multiple advertisement (batched advertising) \$1000.00	<input type="checkbox"/>
Single advertisement \$3000.00	<input type="checkbox"/>
I agree to my application being advertised with the right to negotiate native title process *	<input type="checkbox"/>

* The advertising fee should be attached to this application. The department will provide you a copy of the advertisement prior to publication. Any overpayment will be refunded by the Department.

Question 7 – Mining program/Initial development plan

For coal mining lease – provide an initial development plan that complies with the legislation. Refer to development plan guide for more information.

For mineral mining lease - complete the **work program template** with details of activities to be undertaken. A template is available online which you can complete and attach to this application, or complete all sections below.

7.1 When are operations expected to commence on this mining lease?

Commencement will occur following the grant of 'ML 70379 addition'

7.2 Is this mining lease being or to be operated in conjunction with other mining permits as part of a project?

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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If **yes**, provide details of the project including a description of the relationship of this lease to the project and why this lease is required for the project or operation of other permits.

Please refer to 'Mining Lease Program'.

7.3 Describe the method of operations to be undertaken?

This statement must:

- Cover every mineral that the lease holder or applicant has (or will have) the right to mine.
- If the lease was granted for a purpose other than mining, cover the use of the mining lease for the purpose it was granted for.
- Describe the method in enough detail to support the size, shape e.g. overburden dumps, pits, stockpiles, processing etc.
- Provide adequate graphic representations (i.e. maps, photos, diagrams) of the resource and mining information to support the proposed use.
- Include a description of infrastructure to be constructed /maintained on the lease or necessary to enable the mining program to proceed, or additional activities to be carried out to work out the infrastructure requirements.
- Describe the methods proposed for rehabilitation works.
- Include a description of the workforce to establish/maintain this operation.

Please refer to 'Mining Lease Program'.

*If insufficient space, please use the mining program template available on the Departments website.

Attachments required:

- Completed mining program template (if section above is not completed)
- Map of permits within project
- Coal mining lease - Initial development plan

Question 8 – Financial and technical capability

Please tick one of the below statements and attach the required financial and technical documents and statements according to your exploration and mining history.

<p>I/we have more than five (5) years history in Queensland with a good compliance record.</p> <p>Financial information:</p> <p>Financial capability statement <input checked="" type="checkbox"/></p> <p>Details of other financial commitments in relation to activity in Queensland <input type="checkbox"/></p> <p>Technical information:</p> <p>Technical capability statement <input checked="" type="checkbox"/></p> <p>Details of other human / technical resource commitments in relation to activity in Queensland <input type="checkbox"/></p> <p>Third party declaration (if a third party is providing resources for your program) <input type="checkbox"/></p>	<p>I/we have less than five (5) years compliance and history in Queensland or do not wish to rely on my/our history.</p> <p>Financial information:</p> <p>Financial capability statement <input type="checkbox"/></p> <p>Supporting evidence <input type="checkbox"/></p> <p>Details of other financial commitments in relation to activity in Queensland <input type="checkbox"/></p> <p>Technical information:</p> <p>Technical capability statement <input type="checkbox"/></p> <p>Details of other human / technical resource commitments in relation to activity in Queensland <input type="checkbox"/></p> <p>Third party declaration (if a third party is providing resources for your program) <input type="checkbox"/></p> <p>Supporting evidence <input type="checkbox"/></p>
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Question 9 –Obligations and declaration

WARNING: Giving false or misleading information is a serious offence.

- I have read and understood the *Mining lease and other relevant guides*.
- I understand my obligations as an applicant/holder for a mining lease.
- I have truthfully declared all relevant details requested of me in this application.
- If any part of this form has been completed with the assistance of another person, I declare that the information as set down is true and correct and has been included with my full knowledge, consent and understanding.

Print name:

Position:

Company:

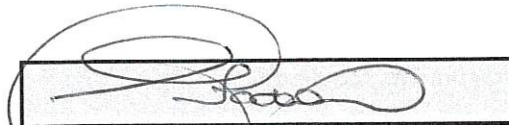
Signature:

Date:

Print name: **Gerhardus Jordaan**

Position: **Chief Executive Officer**

Company: **Ribfield Pty Ltd**

Signature: 

Date: **11/9/2018**

Print name:

Position:

Company:

Signature:

Date:

Print name:

Position:

Company:

Signature:

Date:

Question 10 – Payment

Permit application	Application fee	Mineral	<input type="checkbox"/>	Coal	<input checked="" type="checkbox"/>
Environmental authority	Standard, Variation, Site Specific application		<input type="checkbox"/>		
	Amendment application fee		<input type="checkbox"/>		
Native title	Multiple advertisement (batched advertising)		<input type="checkbox"/>	Single advertisement	<input type="checkbox"/>

Disclaimer

The Queensland Government is collecting information provided on and with this form to assess the suitability of the application for additional surface area under the *Mineral Resources Act 1989* (the MRA). This information is authorised by sections 275, MRA and section 197 of the *Mineral and Energy Resources (Common Provisions) Act 2014* (MERCPC). Some or all of this information may be provided to other agencies of the Queensland Government for issuing an environmental authority, to make register searches, extracts or copies or to make other approvals as required under the relevant Act. Your personal information will not otherwise be disclosed to any other third party without your consent, unless authorised or required by law.

ML1831

<u>SURFACE AREAS 1 & 2</u>	(MP40446)	7114 ha
<u>SURFACE AREA 3</u>	(MP36988)	53.1 ha
<u>SURFACE AREA 4</u>	(MP36988)	1342 ha
<u>SURFACE AREA 5</u>	(MP37225)	1618 ha
<u>SURFACE AREA 6</u>	(MP37225)	3705 ha
<u>SURFACE AREA 7</u>	(MP37507)	1412 ha

Total..... 15244 ha

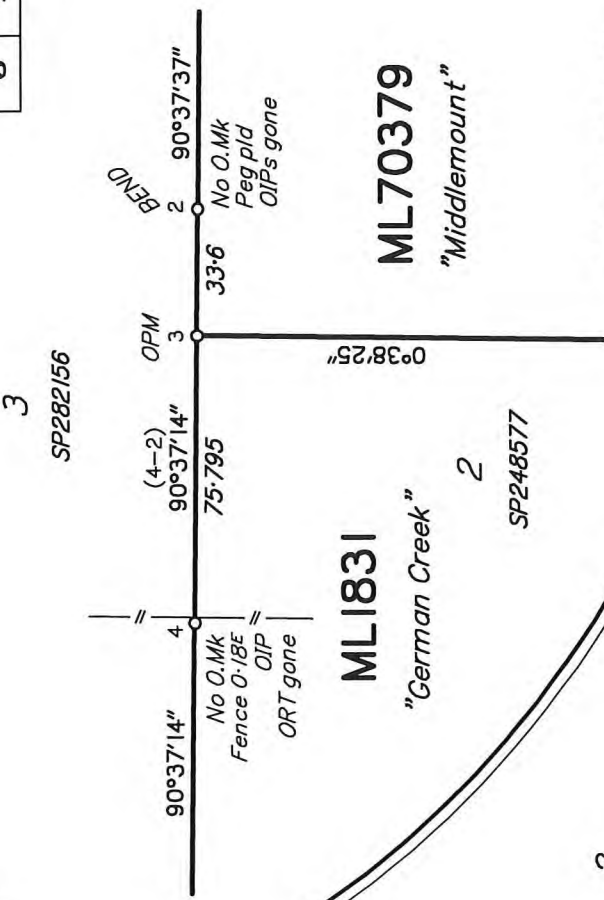
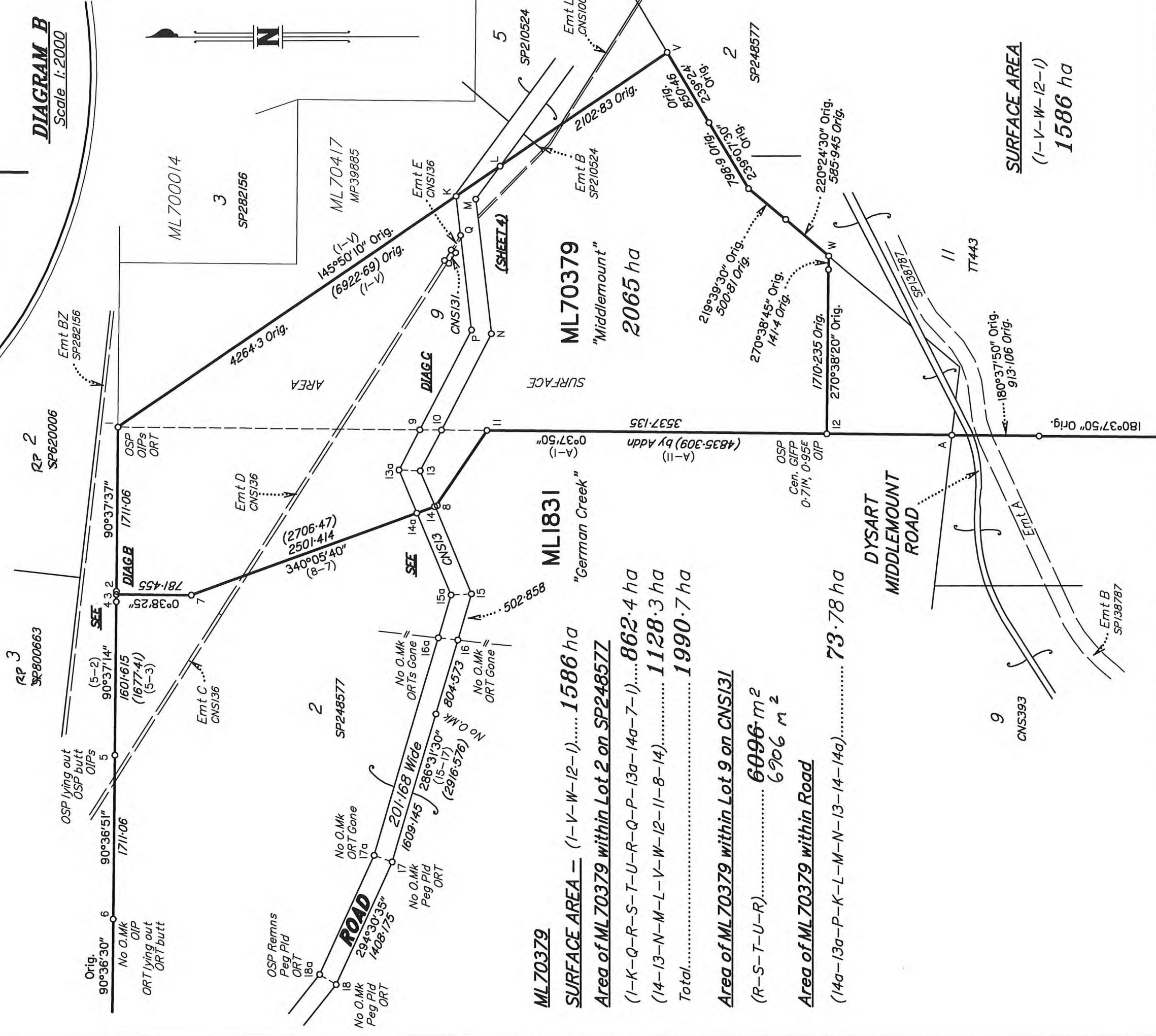


DIAGRAM B
Scale 1:2000



ML70379

SURFACE AREA - (1-V-W-12-1)..... 1586 ha

Area of ML70379 within Lot 2 on SP248577

(1-K-Q-R-S-T-U-R-Q-P-13a-14a-7-1)..... 862.4 ha

(14-13-N-M-L-V-W-12-11-8-14)..... 1128.3 ha

Total..... 1990.7 ha

Area of ML70379 within Lot 9 on CNS131

(R-S-T-U-R)..... 6096 m²

6906 m²

Area of ML70379 within Road

(14a-13a-P-K-L-M-N-13-14-14a)..... 73.78 ha

SURFACE AREA
(1-V-W-12-1)
1586 ha

Scale 1:40000 - Lengths are in Metres.



MP44014

STN	TO	ORIGIN	BEARING	DIST
1	OIP	MP4026	180°38'	1.472
1	OIP	MP4026	270°37'	2.203
1	ORT	MP4026	162°29'	26.59
1	OIP gone	MP4026	251°48'	0.899
2	OIP gone	MP4026	264°17'	2.627
3	Pin	MP4026	180°36'	1.39
3	Pin	MP4026	83°25'	1.63
4	OIP (0.5 deep)	MP4026	92°56'	0.95
4	ORT gone	MP4026	214°25'	7.655
5	OIP	MP4026	137°04'	0.533
6	ORT butt	MP4026	52°53'	2.974
6	OIP	MP4026	180°37'	0.29
7	Pin	MP4026	289°39'	1.11
8	Pin	MP38942	348°55'	1.53
9	OIP gone	MP38942	183°49'	0.42
10	OIP (N & C)	MP38942	167°29'	0.65
11	Pin	MP38942	221°20'	2.49
12	OIP	MP38942	16°19'	1.0
13	Pin	MP38942	354°39'	1.16
13	Star Pkt Fd	MP38942	29°01'	56.65
15	ORT gone	CNS13	279°55'30"	5.432
15a	Pin	CNS13	172°48'	1.765
15a	ORT gone	CNS13	117°36'30"	8.65
16	ORT gone	CNS13	203°47'30"	6.236
16a	ORT gone	CNS13	13°32'30"	23.215
17	ORT gone	CNS13	325°34'30"	25.428
17	Pin	CNS13	153°35'	1.09
17a	ORT gone	CNS13	161°02'35"	16.275
18	Pin	CNS13	162°33'	1.17
18	ORT	CNS13	162°30'35"	13.277
18a	Pin	CNS13	4°13'	1.38
18a	ORT	CNS13	7°23'35"	10.159

PERMANENT MARKS

PM	ORIGIN	BEARING	DIST	NO	TYPE
3-OPM	SP282156	311°28'50"	614.31	199596	(New Conn)

TRAVERSES ETC

LINE	BEARING	DISTANCE
1-9	180°37'50"	3146.135
9-10	180°37'50"	225.515
10-11	180°37'50"	473.495
13-13a	2°30'45"	221.942
15-15a	357°01'30"	213.409
16-16a	6°31'30"	204.266
17-17a	20°31'05"	201.657
18-18a	31°27'35"	202.657

Area of Lease being transferred from ML1831 to ML70379.
 (1-11-8-7-3-1).....479 ha
 For Application Posts and Datum Post information see plans
 MP40426 & MP38942.

DIAGRAM C
 Scale 1:12500

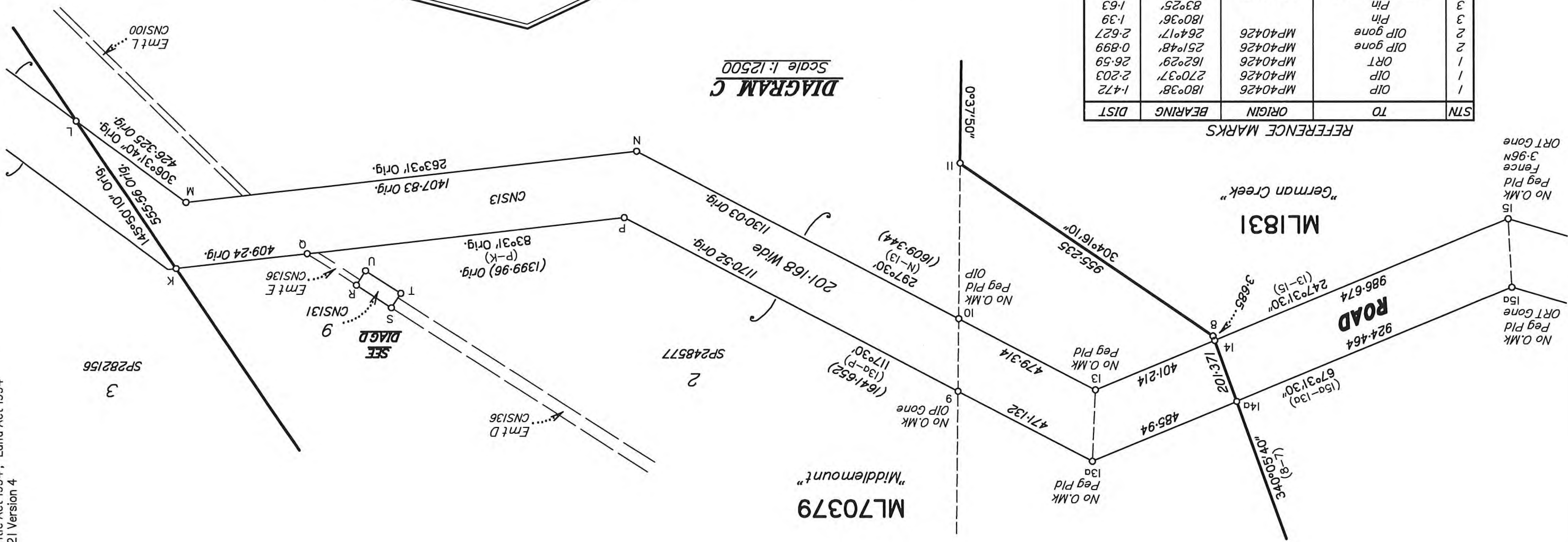
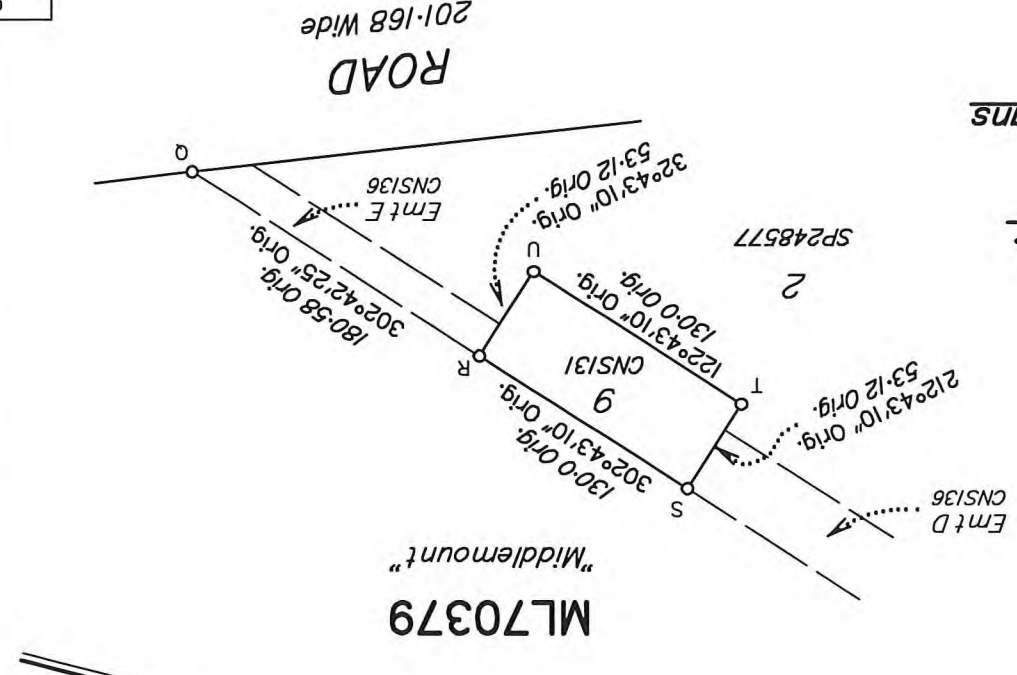
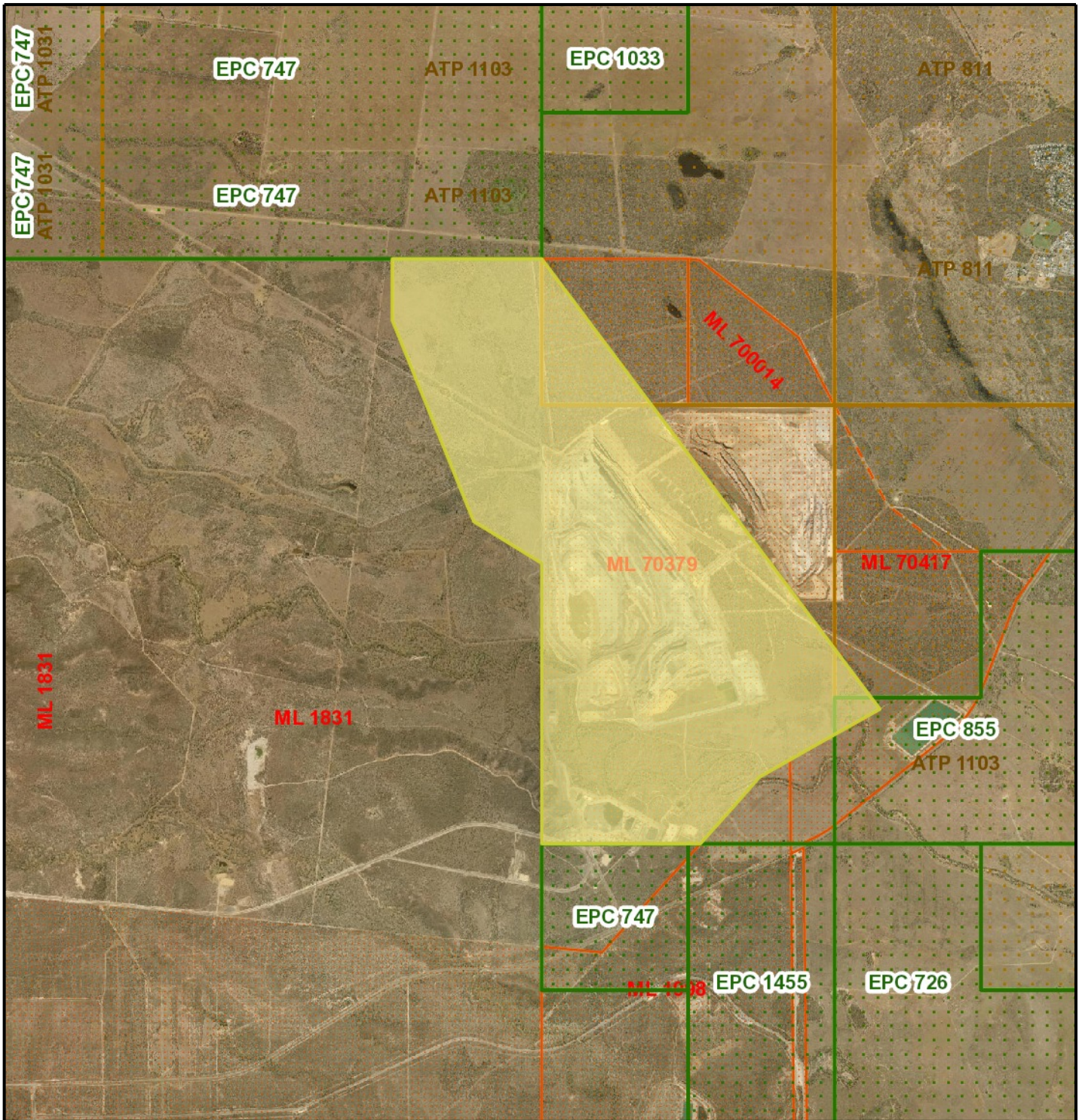


DIAGRAM D
 Scale 1:4000



Scale 1:12500 - Lengths are in Metres.
 1900 1800 1700 1600 1500 1400 1300 1200 1100 1000 900 800 700 600 500 400 300 200 100 0



MinesOnlineMaps


Created By: Author

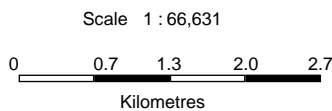
Created On: 6/09/2018 2:26:24 PM

Print Template: A4 Portrait

All enquiries and feedback:

email: MinesOnlineMaps@dnrm.qld.gov.au

 Selected Features
(see page 2 for a complete legend)



Geocentric Datum of Australia 1994 EPSG: 4283

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-  EPC Application
-  EPC Granted
-  EPQ Application
-  EPQ Granted
-  ATP Application
-  ATP Granted
-  MC Permit Application
-  MC Permit Granted
-  MC Access Granted
-  ML Permit Application
-  ML Surface Area Application
-  ML Permit Granted
-  ML Surface Area Granted
-  PL Application
-  PL Granted
-  ML Inf. Permit Application
-  ML Inf. Surface Area Application
-  ML Inf. Permit Granted
-  ML Inf. Surface Area Granted



Level 17, 444 Queen St
Brisbane QLD 4001
GPO Box 241
Brisbane QLD 4001

P: (07) 3179 2000
E: info@middlemountcoal.com.au
W: www.middlemountcoal.com.au

12 September 2018

Coal Assessment Hub
DNRM
PO Box 3679
Red Hill QLD 4701

RE: Application for additional surface area associated with major environmental authority (EA) amendment application

To clarify, the application for additional surface area, 'ML 70379 addition' submitted today is associated with the major EA amendment application submitted to DEHP on 25 July 2017. The additional surface area is discussed and depicted in the section 226 consideration report (MCPL_Western Extension Section 226 Report.pdf).

If you have any further queries please contact me via lpattinson@middlemountcoal.com.au or 0408 898 939.

Yours sincerely

A handwritten signature in black ink that reads 'L Pattinson'.

Leeanne Pattinson
Senior Environmental Advisor

100 Edward Street,
Brisbane QLD 4000

GPO Box 241
Brisbane QLD 4001

P : (617) 3179 2000
F : (617) 3179 2098
E : info@middlemountcoal.com.au



25 July 2017

Jeremy Wheeler
A/Senior Environmental Officer (Assessment)
Business Centre Coal
Department of Environment and Heritage Protection
PO Box 3028
Emerald QLD 4720

Via email to: Jeremy.Wheeler@ehp.qld.gov.au
palm@ehp.qld.gov.au

Dear Jeremy,

RE: Middlemount Coal Major EA Amendment Application

Middlemount Coal Pty Ltd (MCPL) requests an amendment of the Middlemount Coal Mine Environmental Authority (EA) (EPML00716913) in accordance with section 224 of the Queensland (Qld) *Environmental Protection Act, 1994* (EP Act) to authorise the Western Extension (the Extension), which would include continuation of the existing open cut to the north-west resulting in a four to five year increase in mine life.

The attached application to amend the Middlemount Coal Mine EA EPML00716913 was discussed with yourself and Charissa Allan during a pre-lodgement meeting held in Emerald on 20 July 2017. During that meeting, Middlemount Coal provided an overview of the Extension.

In addition to the amendment application, please find attached a report 'MCPL_Western Extension Section 226 Report.pdf'. This report has been prepared to accompany the EA amendment application in consideration of section 226 of the EP Act. This document provides a description of the Extension, potential impacts on identified environmental values and further environmental assessments that would be conducted by MCPL.

MCPL considers that the application is a major amendment to the existing EA that does not require an EIS given the small scale of the proposed change to the existing mine.

Please do not hesitate to contact me on (07) 4985 0059 should you have any queries in relation to this matter.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'Shane Flint', is written over a light blue horizontal line.

Shane Flint
Environmental Manager

Application form

Environmental authority

Application to amend an environmental authority

This approved form is to be used when applying to amend an environmental authority under sections 222 to 227 of the Environmental Protection Act 1994 (EP Act) for an environmentally relevant activity (ERA).

An application to amend an environmental authority is not appropriate in all circumstances. If you answer **YES** to any of the questions in the checklist below, you cannot use this application form. If you answer **NO** to all of the questions in the checklist, you may continue to use this application form.

It is recommended that you read the information on what to provide with an application, prior to making an amendment application. This information is located on the Queensland Government's Business and Industry Portal at www.business.qld.gov.au (use the search term "environmental licences"). This website also has a diagnostic tool called a "Forms and fees finder" which will take you through a series of questions and provide a customised result which will identify any forms, fees and supporting information you need to make an application.

You are encouraged to have a pre-lodgement meeting before applying to amend your environmental authority. If you would like to have a pre-lodgement meeting:

- for prescribed ERAs 2, 3 and 4—contact the Department of Agriculture and Fisheries by email at livestockregulator@daf.qld.gov.au.
- for any other ERA—please fill out and lodge the form "Application for pre-lodgement services" (ESR/2015/1664¹), prior to lodging this application form.

Checklist for making an amendment application

You must complete the checklist below and overleaf before you continue with the application form. If your application is for:

- a prescribed ERA → you must fill in Section 1 and Section 2 of the checklist below.
- a resource activity → you must fill in Section 1 and Section 3 of the checklist below.
- both a prescribed ERA and a resource activity → you must fill in sections 1, 2 and 3 of the checklist below.

¹ This is the publication number. The publication number can be used as a search term to find the latest version of a publication at www.qld.gov.au.

Application form
Application to amend an environmental authority

If you have answered yes to any of the below questions, you cannot use this application form. If you have answered no to all of the below questions, you may continue to use this application form.

Checklist questions	YES NO	Guidance
Section 1 – all applications		
Is the amendment to correct a clerical or formal error?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, you cannot use this form. This request should be made in writing directly to the administering authority (no fees apply).
Is the amendment to amalgamate two or more environmental authorities?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, you cannot use this form. Please use either the form Application to amalgamate two or more environmental authorities into an amalgamated corporate authority (ESR/2015/1734), or Application to amalgamate two or more environmental authorities into an amalgamated project or local government authority (ESR/2015/1735).
Is the amendment to add an ERA to an amalgamated local government authority and there is not an appropriate degree of integration between the proposed activity and the existing activities on the authority?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, you cannot use this form. You will need to apply for a new environmental authority. For a standard application use the form Standard environmental authority application (prescribed activity) (ESR/2015/1793) or Standard environmental authority application (resource activity) (ESR/2015/1755). For a variation application, use the form Variation environmental authority (prescribed activity) (ESR/2015/1796) or Variation environmental authority (resource activity) (ESR/2015/1756). For a site-specific application use the form Site-specific environmental authority application (prescribed ERA) (ESR/2015/1792) or Site-specific environmental authority application (resource activity) (ESR/2015/1757).
Is the amendment to add an ERA to an amalgamated project authority and the proposed activity does not form part of the single integrated operation conducted under the authority?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, you cannot use this form. You will need to apply for a new environmental authority. See form details above.
Is the amendment to amend financial assurance only?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, you cannot use this form. Please use the form Application to amend or discharge financial assurance (ESR/2015/1752).
Is the amendment to remove or amend a condition requiring compliance with the eligibility criteria, and is a result of changes to the activity?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, you cannot use this form. Please make a site-specific application for a new environmental authority using the form Site-specific environmental authority application (prescribed ERA) (ESR/2015/1792) or Site-specific environmental authority application (resource

Application form
Application to amend an environmental authority

		<p>activity) (ESR/2015/1757).</p> <p>Note: If the required amendment to the eligibility criteria condition is a result of factors beyond your control such as residential encroachment, rather than a change to the activity, you can use this form. The amendment will be a major amendment.</p>
Section 2 – prescribed ERAs		
Is the amendment for the holder of the environmental authority to transfer all or part of the environmental authority to a person?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, you cannot use this form. Please use the form Request to transfer all or part of an environmental authority for a prescribed environmentally relevant activity (ESR/2015/1718).
Does the proposed amendment involve changes to the relevant activity that require a new development application to be lodged under the <i>Sustainable Planning Act 2009</i> (SPA) and the application for the amendment has not been lodged.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<p>If yes, the development application must be lodged before an environmental authority amendment application can be made.</p> <p>Under EP Act, a development application for a material change of use of premises for an environmentally relevant activity is deemed to be also an application for an environmental authority. In this case, an environmental authority amendment application should not be lodged.</p>
Is the proposed amendment solely to add or remove vehicles for ERA 57 (Regulated waste transport) within the approved threshold?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, you do not need to submit this application form. Use the form Details of regulated waste vehicles (ESR/2015/1851).
Is the proposed amendment to add a prescribed ERA, other than an ancillary activity, to an environmental authority for a resource project?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, you cannot use this form to add the prescribed ERA to the environmental authority. You will need to apply for a new environmental authority. Refer Section 1 above for appropriate form.
Section 3 – resource activities (mining, petroleum, geothermal or GHG storage activities)		
Is the amendment for a partial surrender of an environmental authority for a mining, geothermal or petroleum resource activity?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, you cannot use this form. Please use the form Application for surrender of an environmental authority (prescribed ERA) (ESR/2015/1719) or Application for surrender or partial surrender of an environmental authority (resource activity) (ESR/2015/1751).
Is the proposed amendment to add a resource activity to an environmental authority for a prescribed ERA project?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, you cannot add the resource activity to the environmental authority. You will need to apply for a new environmental authority. Refer Section 1 above for appropriate form.

Definitions of terms used in this form

Where there is inconsistency between the definition of terms used here and the terms used in the EP Act, the terms in the EP Act apply.

Condition conversion	For an environmental authority, means an amendment replacing all the conditions of the authority with the standard conditions for the environmentally relevant activity which the authority relates. The relevant eligibility criteria and standard conditions must be able to be met.
Eligibility criteria	For an environmentally relevant activity, means eligibility criteria that are in effect for the activity under – (a) an ERA standard; or (b) a code of environmental compliance; or (c) a regulation in respect of a mining activity.
Environmentally relevant activity (ERA)	A resource activity or a prescribed ERA
ERA project	A prescribed ERA project or a resource project.
ERA standard	For an environmentally relevant activity, means the eligibility criteria and/ or the standard conditions set by the administering authority.
Major amendment	For an environmental authority, means an amendment that is not a minor amendment.
Material change of use of premises for an environmentally relevant activity	A category of assessable development requiring a development permit under SPA. Refer Schedule 3, Table 2, Item 1 of the Sustainable Planning Regulation 2009.
Minor amendment	For an environmental authority, means an amendment that is— (a) a condition conversion; or (b) a minor amendment (threshold).
Minor amendment (threshold)	For an environmental authority, means an amendment that the administering authority is satisfied— (a) is not a change to a condition identified in the authority as a standard condition, other than— (i) a change that is a condition conversion; or (ii) a change that is not a condition conversion but that replaces a standard condition of the authority with a standard condition for the environmentally relevant activity to which the authority relates; and (b) does not significantly increase the level of environmental harm caused by the relevant activity; and (c) does not change any rehabilitation objectives stated in the authority in a

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way likely to result in significantly different impacts on environmental values than the impacts previously permitted under the authority; and

- (d) does not significantly increase the scale or intensity of the relevant activity; and
- (e) does not relate to a new relevant resource tenure for the authority that is—
 - (i) a new mining lease; or
 - (ii) a new petroleum lease; or
 - (iii) a new geothermal lease under the Geothermal Energy Act; or
 - (iv) a new GHG injection and storage lease under the GHG storage Act; and
- (f) involves an addition to the surface area for the relevant activity of no more than 10% of the existing area; and
- (g) for an environmental authority for a petroleum activity—
 - (i) if the amendment involves constructing a new pipeline—the new pipeline does not exceed 150km; and
 - (ii) if the amendment involves extending an existing pipeline—the extension does not exceed 10% of the existing length of the pipeline; and
- (h) if the amendment relates to a new relevant resource tenure for the authority that is an exploration permit or GHG permit—the amendment application under section 224 seeks an amended environmental authority that is subject to the standard conditions for the relevant activity or authority, to the extent it relates to the permit.

Mobile and temporary ERA

A prescribed ERA, other than an activity that is dredging material, extracting rock or other material, or the incinerating of waste:

- (a) carried out at various locations using transportable plant or equipment, including a vehicle
- (b) that does not result in the building of any permanent structures or any physical change of the landform at the locations (other than minor alterations solely necessary for access and setup including, for example, access ways, footings and temporary storage areas)
- (c) carried out at any 1 of the locations:
 - (i) for less than 28 days in a calendar year, or
 - (ii) for 28 or more days in a calendar year only if the activity is necessarily associated with, and is exclusively used in, the construction or demolition phase of a project.

Prescribed ERA

An environmentally relevant activity that is not a resource activity and is prescribed under section 19 of the EP Act.

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Prescribed ERA project	All prescribed ERAs carried out, or proposed to be carried out, as a single integrated operation.
Registered suitable operator	A person who, or a corporation which, under section 318I of the EP Act has been assessed as being suitable to carry out an ERA and has been listed on the suitable operator register.
Resource activity	An activity that is any of the following: <ul style="list-style-type: none">(a) a geothermal activity(b) a greenhouse gas (GHG) storage activity(c) a mining activity(d) a petroleum activity.
Resource project	Resource activities carried out, or proposed to be carried out, under 1 or more resource tenures, in any combination, as a single integrated operation.
Single integrated operation	Occurs when all the below criteria are met: <ul style="list-style-type: none">(a) the activities are carried out under the day-to-day management of a single responsible individual, for example, a site or operations manager(b) the activities are operationally interrelated(c) the activities are, or will be, carried out at one or more places(d) the places where the activities are carried out are separated by distances short enough to make feasible the integrated day-to-day management of the activities.
Underground water rights	Means any of the following: <ul style="list-style-type: none">(a) underground water rights within the meaning of the <i>Mineral Resources Act 1989</i>;(b) underground water rights within the meaning of the <i>Petroleum and Gas (Production and Safety) Act 2004</i>;(c) underground water rights within the meaning of the <i>Petroleum Act 1923</i>, section 87(3).

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The fields marked with an asterisk * are mandatory, if they are not completed then your application may be considered not properly made under section 128 of the *Environmental Protection Act 1994*.

GUIDE

If you require assistance in answering any part of this form, or have any questions about your application please contact the relevant department. Contact details are at the end of this form

The environmental authority number and details may be found on the existing environmental authority or quoted in other correspondence received from the administering authority.

If more space is required for any responses, please attach additional information as a separate page.

If there is an agent acting on behalf of the environmental authority holder, provide details in this section. An agent could be a consultant or a contact for the environmental authority holder.

As statutory documents need to be sent to all applicants, this section can also be used when there are multiple environmental authority holders to nominate an address for statutory documentation to be sent 'care of' to.

Application details

1. Environmental authority number

ENVIRONMENTAL AUTHORITY NUMBER*
EPML 00716913

Agent details / address for service

The address supplied here will also be used as a service address for sending statutory documents. If blank, statutory documents will be sent to the address previously supplied for the holder or principal applicant for the environmental authority.

NAME OF AGENT - INDIVIDUAL OR CONTACT PERSON IF AGENT IS AN ORGANISATION	
MIDDLEMOUNT COAL PTY LTD	
ORGANISATION NAME, INCLUDING TRADING NAME	
Level 1, 100 Melbourne Street, South Brisbane QLD 4101	
ABN / ACN (IF AN ORGANISATION)	
49122 348 412	
POSTAL ADDRESS (WHERE DIFFERENT FROM ABOVE)	
GPO Box 241	
BRISBANE QLD 4001	
PHONE	FACSIMILE
(07) 4985 0059	(07) 3179 2098
EMAIL	
sflint@middlemountcoal.com.au	
<input checked="" type="checkbox"/> INDICATE IF YOU WANT TO RECEIVE CORRESPONDENCE VIA EMAIL	

Criteria for a major or minor amendment and guidance on the difference between the two can be found in the guideline: 'Major and minor amendments' ESR/2015/1684 and s. 223 of the EP Act. The guideline can be found on the business and industry website:
www.business.qld.gov.au.
Use 'amend an environmental authority' as a search term.

If you have questions regarding whether your amendment will be minor or major you are encouraged to arrange a pre-lodgment meeting with the administering authority.

For information about whether your activity is eligible for standard conditions, please refer to the business & industry website:
www.business.qld.gov.au
Use "activities suitable for standard applications" as a search term.

If your activity operates under a code of environmental compliance, this is now considered to be an ERA Standard. You can apply for a condition conversion to obtain the latest standard conditions for that activity.

For further information about which activities have codes of environmental compliance, use the search term "meeting environmental authority conditions".

2. Describe in detail the proposed amendment and the reason the amendment is being sought*

The decision of whether the amendment is major or minor is made by the administering authority. However, less information is required where the application is minor amendment (condition conversion).

Please indicate below whether you think the proposed amendment will constitute a major or minor amendment.

- Minor amendment – select minor amendment type.
- Minor amendment (condition conversion) – you wish to convert all conditions of your EA to the standard conditions for the ERAs to which the EA relates – Go to question 19

By selecting this amendment type you are certifying that you have a complete and thorough understanding of, and can comply with the ERA Standard (eligibility criteria and standard conditions).

- Minor amendment (threshold) – Please complete the detailed description below.
- Major amendment – please complete the detailed description below.

For a **minor amendment (threshold)** or **major amendment**, provide a detailed description of your proposed amendment.

Include a justification of how your proposed amendment meets the criteria for a major or minor amendment and attach any supporting information to this application.

If the amendment is to add or delete a location, tenure or activity, or to change the threshold of an activity, provide details.

Background information

PROVIDE DETAILS OF THE CIRCUMSTANCES GIVING RISE TO THE PROPOSED AMENDMENT (IF INSUFFICIENT ROOM, ATTACH A SEPARATE DOCUMENT)*.

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Description of the land where the proposed amended activities will be carried out*

- The activity will be carried out within the existing designated areas of the environmental authority.
- The activity is mobile and temporary and will be carried out in a new area:

AREA OF OPERATION E.G. PARTICULAR LOCAL GOVERNMENTS

- An additional site(s) will be added to the environmental authority as follows:

Location(s) (*if applicable)

STREET NUMBER	STREET NAME OFF MIDDLEMOUNT ROAD	SUBURB/TOWN MIDDLEMOUNT
POSTCODE 4746	LOT/PLAN 2 / SP248577 D / CNS136 5 / SP210524 3 / SP282156	SURFACE AREA (M ²) APPROXIMATELY 570 HECTARES OF ADDITIONAL AREA
PORT (IF APPLICABLE)		
TENURE DETAILS (IF APPLICABLE) ML 70379 ML 70417 A MINING LEASE APPLICATION IS BEING PREPARED FOR AN AREA EAST OF ML 70417 THAT WILL BE DISTURBED BY THE EXTENSION.		

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If you are adding a new location/s to the EA please provide details of what ERA's you are planning to undertake on that location/s.

If you are amending the EA to request additional ERAs on locations already authorised by the EA please identify the location the activities are being undertaken

If the activities were assessed as part of a coordinated project declared under the *State Development and Public Works Organisation Act 1971* (SDPWO Act), you are only able to amend Coordinator General conditions if the Coordinator General's evaluation report for the project has lapsed. If you are unsure if the Coordinator General's evaluation report has lapsed, contact the Department of State Development for more information.

GENERAL DESCRIPTION OF LAND E.G. ENVIRONMENTAL VALUES, BIOREGIONS AND REGIONAL ECOSYSTEMS, TERRAIN, SHALLOW GROUND WATER SYSTEMS, FLOODPLAINS, SPRINGS AND SOIL DESCRIPTIONS. A SITE MAP OR SATELLITE IMAGERY SHOWING THESE FEATURES AND THE DESIGNATED AREA FOR THE ACTIVITY SHOULD BE ATTACHED.

REFER TO ATTACHED SECTION 226 CONSIDERATION REPORT FOR A DESCRIPTION OF LAND, AS WELL AS RELEVANT FIGURES.

Details of new ERAs or new location(s) (*if applicable)

ERA NUMBER AND THRESHOLD	LOCATION

Details of proposed condition amendments (*if applicable)

ENVIRONMENTAL AUTHORITY CONDITION(S)	PROPOSED CHANGE & JUSTIFICATION

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If you cannot comply with the eligibility criteria as a result of the proposed amendment, then an amendment to the relevant eligibility criteria condition will also be required. The department will only approve an amendment to the eligibility criteria condition if it is a result of factors beyond your control such as residential encroachment, rather than a change to the activity.

3. Do you currently operate under an ERA standard?*

- No → Go to question 4
- Yes In making the proposed amendment, I can comply with the eligibility criteria and do not need to vary any of the standard conditions.
- In making the proposed amendment, I can comply with the eligibility criteria but am seeking to vary one or more of the standard conditions. Details of the proposed variation have been included under Question 2.
- In making the proposed amendment, I cannot comply with the relevant eligibility criteria for all relevant activities. This is due to factors beyond my control. Further details have been provided below.

DETAILS INCLUDING THE RELEVANT ELIGIBILITY CRITERIA, ERA NUMBER AND THRESHOLD, AND FACTORS AFFECTING COMPLIANCE.

This question is only relevant to prescribed ERAs as resource activities will not trigger assessable development under the *Sustainable Planning Act 2009*.

4. Are there any development permits in effect or have any development applications been made under the *Sustainable Planning Act 2009* to carry out the proposed amendment?*

- No → Go to question 5
- Yes → provide a list of applicable development permits or applications below

DEVELOPMENT PERMIT/ APPLICATION NUMBER*	DEVELOPMENT PERMIT/ APPLICATION NAME*	ASSESSMENT MANAGER*	DATE OF APPLICATION OR APPROVAL*	EXPIRY DATE*

Provide a list of all the prescribed ERAs that are to be removed from the environmental authority and identify whether the ERA has commenced.

5. Is this application to remove a prescribed ERA from your environmental authority for prescribed ERAs?*

- No → Go to Question 8
- Yes → indicate which ERAs are to be removed, then go to question 6

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ERA NUMBER AND NAME*	THRESHOLD*	HAS THE ERA COMMENCED? (YES/NO)*	LOCATION (INCLUDING ALL LOT ON PLAN/TENURE DETAILS)*

If you have identified above that any of the ERAs have not commenced, please complete the below:

I declare that where identified, the ERAs above have not commenced.

6. Does your environmental authority contain any rehabilitation conditions that are applicable to the ERAs that you are requesting be removed from the environmental authority?*

Yes → please attach a rehabilitation report outlining how you have met the conditions

No

7. Compliance with conditions

Please complete a statement addressing compliance with environmental authority conditions by, or on behalf of the environmental authority holder.

Attach a separate document to this application form which states the extent to which:

- the ERAs being removed from the environmental authority have complied with each relevant condition of approval.
- the rehabilitation report is accurate (include the date of the rehabilitation report). Note: The compliance statement only needs to be made for the rehabilitation report if the answer to question 6 is 'Yes'.

Describe the qualifications and experience of the person signing the statement.*

For guidance on what a rehabilitation report should contain you may use the final rehabilitation report template available at www.qld.gov.au using the publication number (ESR/2015/1616) as a search term.

Only a person with appropriate environmental expertise and/or experience in planning and executing site operations should sign this statement. This person may be the environmental authority holder, a full time employee of the environmental authority holder or a consultant to the environmental authority holder.

Methods to verify compliance may include a desktop assessment of documentation, an interview with the landowner/holder or a site operator or a site inspection. Evidence used may include photographs, statements and other documentation (maps, plans, approvals, monitoring results etc.).

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Provide details of the date, method and evidence used to verify compliance and accuracy.*

Provide the contact number of the person signing the statement*

I

(insert name and position of person making the compliance statement)

- make the statement by or for the holder of the environmental authority
- confirm that, to the best of my knowledge, all information provided as part of this statement, including attachments, is true, correct and complete. I am aware that it is an offence under section 480 of the *Environmental Protection Act 1994*, to give the administering authority information that I know is false, misleading or incomplete
- confirm that, to the best of my knowledge, this statement, including attachments, does not include false, misleading or incomplete information
- confirm that, to the best of my knowledge, I have not knowingly failed to reveal any relevant information or document to the administering authority
- confirm that, to the best of my knowledge, all information provided in this statement, including attachments, address the relevant matters and are factually correct
- confirm that the opinions expressed in this statement, including attachments, are honestly and reasonably held
- I understand that all information supplied as part of this statement, including attachments, can be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.

SIGNATURE*	DATE*
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Offset delivery can be staged, however for this to occur, the condition of any approved environmental authority needs to state that both the activity and the offset may be staged. As part of your notice of election for each stage under the *Environmental Offsets Act 2014* you are required to provide a detailed assessment of the quantum of impact of that stage and the offset obligation requirement to be delivered for that stage.

8. Environmental offsets

An environmental offset may be required for an ERA where despite all reasonable measures to avoid and minimise impacts on certain environmental matters, there is still likely to be a significant residual impact on one or more of those matters.

You must verify the presence, whether temporary or permanent, of those environmental matters. For more information refer to the State Significant Impact Guideline at the Queensland Government website at:

www.qld.gov.au/environment/pollution/management/offsets/index.html

Will the proposed amendment result in a significant residual impact to a matter of State environmental significance (MSES)?*

No

Yes, please attach supporting information that:

- details the magnitude and duration of the likely significant residual impact on each prescribed environmental matter (other than matters of local environmental significance) for the entire activity;
- demonstrates that all reasonable measures to avoid and minimise impacts on each of those matters will be undertaken;
- includes a notice of election, if it has not already been submitted; and
- if the activity is to be staged, details of how the activity is proposed to be staged

I have attached the supporting information.

If your amendment application also involves resource activities, go to question 9. Otherwise, go to question 14.

9. Is the resource activity located anywhere within an area of regional interest?*

No

Yes →

Which area of regional interest, has or will require a regional interests development approval (RIDA)?*

- Priority agricultural areas (PAAs)
- Priority living areas (PLAs)
- Strategic environmental areas (SEAs)
- Strategic cropping area (SCA)
- No RIDA required, I am an exempt activity.

If you have applied or been approved for a RIDA, provide the application reference below:*

A regional interests development approval (RIDA) is required when a resource activity is proposed in an area of regional interest under the *Regional Planning Interests Act 2014*. Further information, including application forms, can be found on the Department of Infrastructure, Local Government and Planning (DILGP) website, www.dilgp.qld.gov.au.

An ineligible ERA is an activity that either does not comply with the eligibility criteria or does not have any eligibility criteria in place.

10. Does the application relate to an environmental authority for a coal seam gas activity that is an ineligible ERA?*

- No → go to question 11
- Yes →
- I have determined that the amendment will not change the way that CSG water and brine is managed.
 - I have determined that the amendment will change the way that CSG water is managed and have provided the mandatory information set out below.

MANDATORY INFORMATION	
<input type="checkbox"/>	The quantity of CSG water the applicant reasonably expects will be generated in connection with carrying out each relevant CSG activity.
<input type="checkbox"/>	The flow rate at which the applicant reasonably expects the water will be generated.
<input type="checkbox"/>	The quality of the water, including changes in the water quality the applicant reasonably expects will happen while each relevant CSG activity is carried out.
<input type="checkbox"/>	The proposed management of water including, for example, the use, treatment, storage or disposal of the water.
<input type="checkbox"/>	The measurable criteria ('management criteria') against which the applicant will monitor and assess the effectiveness of the management of the water, including, for example, criteria for each of the following: <ul style="list-style-type: none"> (i) the quantity and quality of the water used, treated, stored or disposed of (ii) protection of the environmental values affected by each relevant CSG activity (iii) the disposal of waste, including, for example, salt, generated for the management of the water.
<input type="checkbox"/>	The action proposed to be taken if any of the management criteria are not complied with, to ensure that the criteria will be able to be complied with in the future.
<input type="checkbox"/>	If the application includes a CSG evaporation dam, an evaluation of the following must be provided: <ul style="list-style-type: none"> (i) best practice environmental management for managing CSG water (ii) alternative ways for managing CSG water (iii) whether there is a feasible alternative to a CSG evaporation dam for managing the water. Note if the evaluation shows that there is a feasible alternative option, the CSG evaporation dam cannot form part of the water management for this amendment application.

This question is only required to be completed for amendment applications for resource activities lodged on or after **6 December 2016** when the provisions in the *Environmental Protection (Underground Water Management) and Other Legislation Amendment Act 2016* commence.

For more information about exercising underground water rights or the associated application requirements please refer to the Guideline: Requirements for site-specific and amendment applications – underground water rights (ESR/2016/3275). This guideline will be available on the Queensland Government website at www.qld.gov.au, using the publication number 'ESR/2016/3275' as a search term.

11. Exercising underground water rights

Underground water rights provide the tenure holder with a statutory right to take or interfere with underground water in the area of the tenure if the taking or interference with that water is necessarily and unavoidably obtained in the process of extracting the resource.

If the activity/activities are proposed to be undertaken on a mineral development licence (MDL), mining lease (ML) or petroleum lease (PL), does the proposed amendment involve **changes to the exercise of underground water rights**?

N/A → The proposed activity/activities are not on a MDL, ML or PL.

No

Yes →

You **must** attach documentation detailing:

- the areas in which underground water rights are proposed to be exercised;
- for each aquifer affected, or likely to be affected, by the exercise of underground water rights:
 - (i) a description of the aquifer;
 - (ii) an analysis of the movement of underground water to and from the aquifer, including how the aquifer interacts with other aquifers and surface water; and
 - (iii) a description of the area of the aquifer where the water level is predicted to decline because of the exercise of underground water rights; and
 - (iv) the predicted quantities of water to be taken or interfered with because of the exercise of underground water rights during the period in which resource activities are carried out.
- the environmental values that will, or may, be affected by the exercise of underground water rights and the nature and extent of the impacts on the environmental values;
- any impacts on the quality of groundwater that will, or may, happen because of the exercise of underground water rights during or after the period in which resource activities are carried out; and
- strategies for avoiding, mitigating or managing the predicted impacts on the environmental values or the impacts on the quality of groundwater.

I have attached the supporting documentation.

Completion of an EIS process is defined in section 60 of the EP Act.

12. Has an environmental impact statement (EIS) process under Chapter 3 of the EP Act that includes the proposed amendment, been completed?*

No

Yes →

I have assessed the environmental risks of the proposed amendment and consider them to be the same as was assessed in the EIS. A copy of the assessment is attached. Go to question 15.

- I have assessed the environmental risks of the proposed amendment and consider them to be different to what was assessed in the EIS. Go to question 13.

The information provided here will assist the administering authority in deciding whether an EIS is required

For further information refer to the guideline: Triggers for Environmental Impact Statements under the *Environmental Protection Act 1994* for mining, petroleum and gas activities. This guideline is available at www.qld.gov.au, using the search term 'triggers for environmental impact statements'.

13. EIS triggers

Where an EIS process under Chapter 3 of the EP Act has not been completed, or if the environmental risk has changed since the EIS was completed, please complete the table below. The information provided here will assist in determining whether an EIS is required. If your response to any question is yes, you must attach details of how the criterion is triggered including details of the impact.

Criteria—EIS triggers	Select
<p><i>Only answer this question if the current ERA project is for an existing mine extracting between 2–10 million tonnes per year of run of mine (ROM) ore or coal.</i></p> <p>Is the proposed ERA amendment for an increase in the annual extraction of more than 100% or 5 million tonnes per year (whichever is the lesser)?*</p>	<p><input type="checkbox"/> YES</p> <p><input checked="" type="checkbox"/> NO</p> <p><input type="checkbox"/> N/A</p>
<p><i>Only answer this question if the current ERA project is for an existing mine extracting over 10 million tonnes per year of ROM ore or coal.</i></p> <p>Is the proposed ERA amendment for an increase in annual extraction of more than 10% or 10 million tonnes per year (whichever is the lesser)?*</p>	<p><input type="checkbox"/> YES</p> <p><input type="checkbox"/> NO</p> <p><input checked="" type="checkbox"/> N/A</p>
<p><i>Only answer this question if the current ERA project is for an existing mine extracting over 20 million tonnes per year of ROM ore or coal extraction.</i></p> <p>Is the proposed ERA amendment for an increase in annual extraction of greater than 25%?*</p>	<p><input type="checkbox"/> YES</p> <p><input type="checkbox"/> NO</p> <p><input checked="" type="checkbox"/> N/A</p>
<p>Is the proposed ERA amendment for a mining activity that will extend into a Category A or B environmentally sensitive area, unless previously authorised by the state?*</p>	<p><input checked="" type="checkbox"/> YES</p> <p><input type="checkbox"/> NO</p> <p><input type="checkbox"/> N/A</p>

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<p>Is the proposed ERA amendment for a mining activity that would involve a substantial change in mining operations?</p> <p>For example: from underground to open cut, or (for underground mining) a change in operations that currently causes little subsidence but with the proposed ERA amendment, is likely to cause substantial subsidence?*</p>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<p>Is the proposed ERA amendment for a mining activity and a novel or unproven resource extraction process, technology or activity, is being proposed?*</p>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<p>Is the proposed ERA amendment for a petroleum and gas activity that is likely to have a total disturbance area of greater than 2000 hectares at any 1 time during the life of the proposed project? This includes areas occupied by well pads (single or multi-directional), access tracks and roads, water storages, and process plants?*</p>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<p>Is the proposed ERA amendment for a petroleum and gas activity that is likely to involve the construction of a high pressure pipeline over a distance of 300 kilometres or greater?*</p>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<p>Is the proposed ERA amendment for a petroleum and gas activity that is likely to involve the construction of a liquefied natural gas plant?*</p>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A

I have attached details of how the criterion is triggered including details of the impact.

This question is not applicable if an EIS process under either the Chapter 3 of the EP Act has been completed for all the activities that are the subject of this application and the environmental risks of the activities and the way they are proposed to be carried out has not changed since the EIS was completed

14. Assessment of the environmental impact and provision of specific supporting information

You must provide an assessment of the likely impact of the proposed amendment on the environmental values, including the following mandatory information in the table below, unless the not applicable check box is ticked.

You must provide an assessment of the likely impact of the proposed amendment on the environmental values, including the following mandatory information in the table below, unless the not applicable check box is ticked.

Only tick the 'Not Applicable' check box if the proposed amendment does not cause a change to the environmental values, aspects and impacts as approved under the current environmental authority.

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Where the 'Not Applicable' option is selected, **sufficient information must be provided to support this determination**, as the determination forms part of the required assessment.

MANDATORY INFORMATION	
A description of the environmental values likely to be affected by the proposed amendment*	Provided <input checked="" type="checkbox"/>
Reason for N/A:	N/A <input type="checkbox"/>
Details of any emissions or releases likely to be generated by the proposed amendment*	Provided <input checked="" type="checkbox"/>
Reason for N/A:	N/A <input type="checkbox"/>
A description of the risk and likely magnitude of impacts on the environmental values*	Provided <input checked="" type="checkbox"/>
Reason for N/A:	N/A <input type="checkbox"/>
Details of the management practices proposed to be implemented to prevent or minimise adverse impacts*	Provided <input checked="" type="checkbox"/>
Reason for N/A:	N/A <input type="checkbox"/>
Details of how the land the subject of the application will be rehabilitated after each relevant activity ceases*	Provided <input checked="" type="checkbox"/>
Reason for N/A:	N/A <input type="checkbox"/>

To provide a response to the mandatory information, specific supporting information must be provided to the administering authority, the type and detail of which will depend on your particular ERA project. Supporting material for technical information requirements is located on the business and industry website www.business.qld.gov.au.

You must include a description of the proposed measures for minimising and managing waste generated by the proposed amendments.

For further information on technical information to provide with your application, please refer to the business and industry website www.business.qld.gov.au

15. Provide details of the proposed measures for minimising and managing waste generated by any amendments to the relevant activity*

WASTE MANAGEMENT DETAILS. IF WASTE IS TO BE MANAGED ACCORDING TO AN EXISTING WASTE MANAGEMENT PLAN, PROVIDE THE RELEVANT PAGE OR SECTION NUMBERS.

Detailed information on waste management is provided in Section 3.5 of the attached Section 226 consideration report.

If you currently have a plan of operations in place and would like to change the amount of financial assurance held, please contact Permit and Licence Management. Details are provided at the end of this form.

16. Do you currently have financial assurance held as part of the approved environmental authority*

- No
- Yes → I will not need to change the financial assurance in relation to this amendment.
- I will be changing the financial assurance and have attached the form Application to amend or discharge financial assurance for an environmental authority (EM875)
- I will be changing the financial assurance and will be amending or replacing my Plan of Operations.

17. Is this land currently subject to an environmental protection order or a site management plan?*

- No
- Yes → I have an environmental protection order in place and the details are provided below.
- I have a site management plan in place and the details are provided below.

PROVIDE THE REFERENCE NUMBER AND BRIEF DETAILS

Application form
Application to amend an environmental authority

18. Is any part of the land currently recorded in, or previously been recorded in, the environmental management register?*

- No
- Yes, complete the below table and provide the additional details

PLEASE TICK RELEVANT BOXES	YES	NO	ADDITIONAL DETAILS
Has the land been removed from the environmental management register?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If yes is ticked, you must attach evidence (e.g. a notice) advising that details have been removed from the environmental management register.

Application fee

An application fee is payable at the time the application is made. Information on the fee can be located in the information sheet "Fees for permits for environmentally relevant activities (ERAs)" (ESR/2015/1721).

To pay by credit card you will need to provide contact details so you can be contacted for your credit card payment to be made over the phone.

Assessment fee for major amendment

For further information refer to the information sheet "Changes to the Environmental Protection Regulation 2008", available at www.qld.gov.au, using 'ESR/2015/1810' as a search term.

Supplementary annual fee for certain major amendments

The supplementary annual fee can be calculated using the fee calculator, available at www.qld.gov.au, using 'ESR/2015/1731' as a search term.

19. Payment of fees

Application fee*:	\$ 316.60
-------------------	-----------

You may pay your fee via cheque, money order or credit card.

Select the payment method below:

- Payment by cheque or money order made payable to the Department of Environment and Heritage Protection (attached).
- Payment by cheque or money order made payable to the Department of Agriculture and Fisheries (attached).

Credit card payments

- For credit card payments for applications to the Department of Environment and Heritage Protection please lodge the application using Connect at www.ehp.qld.gov.au/connect
- For credit card payments for applications relating to mining activities please lodge the application using [MyMinesOnline²](#).
- For credit card payments for applications to the Department of Agriculture and Fisheries please contact me (the applicant) for credit card payment:

Phone number: _____

Note: Additional fees will be payable for a major amendment.

² For more information on payment options go to the Business Queensland website at www.business.qld.gov.au and search 'Forms and fees for mining and resources'

Application form

Application to amend an environmental authority

Assessment fee for all major amendments

Where the proposed amendment is determined by the administering authority to be a major amendment, an assessment fee of 30% of the annual fee for the authority at the time of application, is also payable. The assessment fee is payable once notification of the assessment level decision is issued. The assessment fee must be paid before the assessment of the amendment application can proceed.

Supplementary annual fee for certain major amendments

The supplementary annual fee is payable where the amendment is approved and results in the aggregate environmental score (and hence the annual fee) for the EA increasing. The supplementary annual fee is a pro-rata adjustment to the annual fee for the period from when the amended EA takes effect to the next anniversary day for the EA. This is payable within 20 business days after the approval date.

Where there is more than one holder of the environmental authority, this declaration is to be signed by all holders, unless there is an agreement between all holders that one can sign on behalf of the other.

Note: If only one holder is signing this application form, they are committing all holders to the content of the application and the declaration.

Where the environmental authority holder is a company, this form must be signed by an authorised person for that company.

Privacy statement

The Departments of Environment and Heritage Protection (EHP) and Agriculture and Fisheries (DAF) are collecting the information on this form to process your amendment application for an environmental authority. This collection is authorised under Chapter 5 of the *Environmental Protection Act 1994*. Some information may be given to the Department of Natural Resources and Mines (DNRM) for the purposes of processing this application. Your personal information will only be accessed by authorised employees within these departments and will not be disclosed to any other

20. Declaration

Note: If you have not told the truth in this application you may be prosecuted.

Where an agreement is in place between all holders of the environmental authority, that 1 holder can sign on behalf of the other joint holders, please tick the below checkbox.

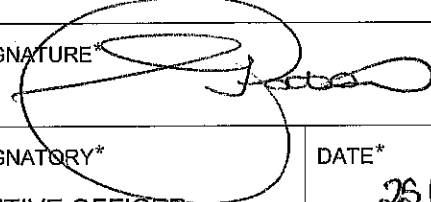
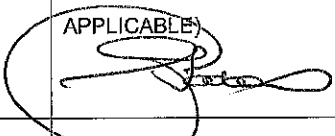
I have the authority to sign this form on behalf of all the joint holders of the environmental authority.

I declare that:

- I am the holder of the environmental authority, or authorised signatory for the holder of the environmental authority.
- If the proposed amendment is made, the relevant activities will continue to comply with the ERA Standard (eligibility criteria and standard conditions) for all eligible ERAs, or where they cannot, I have indicated otherwise in my application and provided the required support information.
- If the proposed amendment is a minor amendment (condition conversion) that I can comply with the ERA Standard (eligibility criteria and standard conditions) for each of the ERAs authorised by the environmental authority.
- The information provided is true and correct to the best of my knowledge. I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* to give to the administering authority or an authorised person a document containing information that I know is false, misleading or incomplete in a material particular.
- I understand that I am responsible for managing the environmental impacts of these activities, and that approval of this application is not an endorsement by the administering authority of the effectiveness of management practices proposed or implemented.

Application form
Application to amend an environmental authority

parties unless authorised or required by law. For queries about privacy matters please email privacy@ehp.qld.gov.au or telephone: (07) 3330 5436.

APPLICANT'S NAME* MIDDLEMOUNT COAL PTY LTD	
APPLICANT'S SIGNATURE* 	
POSITION OF SIGNATORY* CHIEF EXECUTIVE OFFICER	DATE* 26/7/2017
JOINT HOLDER'S NAME (*IF APPLICABLE) RIBFIELD PTY LTD	JOINT HOLDER'S SIGNATURE (*IF APPLICABLE) 
JOINT HOLDER'S NAME (IF APPLICABLE)	JOINT HOLDER'S SIGNATURE (IF APPLICABLE)

Applicant checklist

- Application form has been signed and all questions completed.
- Question 8: Supporting information for environmental offsets attached (if applicable)
- Question 10: Mandatory information for the assessment of coal seam gas activities attached (if applicable)
- Question 11: Supporting information for exercising underground water rights (if applicable)
- Question 13: Mandatory information for the assessment of EIS triggers and details of the impact (if applicable).
- Question 14: Mandatory information for assessment of environmental impacts attached (if applicable)
- Question 16 Application to amend or discharge financial assurance for an environmental authority (ESR/2015/1752) is attached (if applicable).
- Fees paid or enclosed.

Please include a word searchable electronic PDF copy of the application documents when you lodge your application.

Application form
Application to amend an environmental authority

Further information

The latest version of this publication and other publications referenced in this document can be found at www.qld.gov.au using the relevant publication number (ESR/2015/1733 for this form) or title as a search term.

Please submit your completed application to:

For a mining ERA where the proposed amendment impacts upon the resource tenure:

Mining Registrar
Department of Natural Resources and Mines
DNRM have a list of office locations for mining registrars on their website www.dnrm.qld.gov.au

For ERA 2, ERA 3 or ERA 4

Post:
Senior Environmental Scientist
Animal Industries
Department of Agriculture and Fisheries
PO Box 102
TOOWOOMBA QLD 4350

Enquiries:
Phone: (07) 4688 1374
Fax: (07) 4688 1192
Email: livestockregulator@daf.qld.gov.au

For all other ERAs

Post:
Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001

Courier or hand delivery:
Permit and Licence Management
Department of Environment and Heritage Protection
Level 3, 400 George Street
BRISBANE QLD 4000
Business hours: 8:30am–4:30pm

Enquiries:
Website: www.business.qld.gov.au
Email: palm@ehp.qld.gov.au
Phone: 13 QGOV (13 74 68)





**Department of Natural Resources and Mines
Mining lease - mining program template**

Description of mining operations – Mining Program

This template is intended as a guide to assist applicants/lease holders address the requirements for an application for the grant of or the renewal of a mining lease under the *Mineral Resources Act 1989*.

Section 245 of the *Mineral Resources Act 1989* requires a statement acceptable to the chief executive outlining the mining program proposed for a mining lease application.

The mining program for the renewal of a mining lease is required under section 286 of the *Mineral Resources Act 1989*.

The principal objectives of a mining program are to:

- provide a better understanding of the nature and extent of the proposed development and production of mineral resources from the lease;
- allow an assessment of the proposed development and whether it is appropriate (this is particularly important with respect to resources that are not currently being mined or have been not developed for some time);
- assess the prospective resource utilisation and identify any resource sterilisation issues; and
- allow appropriate resource management decisions to be made

Scope of mining programs

The scope of mining programs will vary depending on the size and complexity of the proposed mining operations. The plan for an alluvial gold project or a small open cut operation, for instance, would require less detail than a multi-seam open cut and underground operation that also had coal seam gas extraction issues.

If the mining lease supports other permits or forms part of a project, the program described must describe the project and clearly show the relationship of this mining lease.

1. Mining program to support

New application Proposed mining lease name:
 Renewal of mining lease Mining lease number: 70379

2 Commencement of operations:

For new permits:

When are operations are expected to commence on this mining lease?
Commencement will occur following the grant of 'ML70379' addition.

For renewals:

<p>If operations have not commenced, when are operations expected to commence on this mining lease?</p>

3. Supporting operations

<p>Is this mining lease being or to be operated in conjunction with other mining permits as part of a project?</p> <p>If yes, provide details of the project including a description of the relationship of this lease to the project and why this lease is required for the project or operation of other permits</p>	<p>Yes <input checked="" type="checkbox"/></p>	<p>No <input type="checkbox"/></p>
<p>- Include a map showing the extent of the project</p> <p>- provide clarification of the extent of the mining program described ie what leases and permits are covered by the program</p>		
<p>Middlemount Coal Mine extracts run-of-mine (ROM) coal up to 24 hours per day, seven days per week, using a conventional truck and shovel fleet supported by dozer mining at a rate of up to 5.7 million tonnes per annum (Mtpa). The currently approved general arrangement of the mine within Mining Lease (ML) 70379, ML 70417 and ML 700014 is shown on Figure 2. The Mining Lease application (MLA 700027), also shown in Figure 2, was submitted in January 2018 and is not the subject of this application.</p> <p>In May 2017, ML 70379 was extended to the north-west of currently approved operations at the Middlemount Coal Mine (via a realignment of the ML 70379 boundary) in an area previously covered by ML 1831, a lease held jointly by Anglo Coal (German Creek Pty Ltd), Mitsui German Creek Investment Pty Limited and Jena Pty Limited (collectively, Anglo Coal) (Figure 3).</p> <p>The Project involves extension of operations within the extended portion of ML 70379. The Project includes the following main activities:</p> <ul style="list-style-type: none"> • extension of the open cut pit within ML 70379 to the north west; • continued extraction of ROM coal at up to 5.7 Mtpa using conventional open cut mining equipment; • placement of waste rock in existing emplacements, expanded emplacements (including the East Dump) and within the mined out void; • continued backfilling of coarse rejects into the pit within spoil, and temporary storage of fine rejects from coal crushing and washing in existing tailings storage facility (TSF) cells for drying and reclaim for in-pit co-disposal; • progressive development of sediment dams, pipelines and other water management equipment and structures (including levees and realignment of an existing diversion structure); • progressive development of new haul roads and internal roads; • continued development of soil stockpiles, laydown areas and borrow areas; • continued use of existing and approved supporting mine infrastructure (including CHPP and ROM and product stockpiles); • continued rail transport of coal products to the Dalrymple Bay Coal Terminal, Abbott Point Coal Terminal or Wiggins Island Coal Export Terminal for export; • extension of the approved mine life by approximately six years (to 2037); and 		

- a change to the final landform at the Middlemount Coal Mine for the end of the mine life to include two final voids.

4 Method of operations

The mining program should:

- Cover every mineral that the lease holder or applicant has (or will have) the right to mine.
- If the lease was granted for a purpose other than mining, cover the use of the mining lease for the purpose it was granted for.
- Describe the method in enough detail to support the size, shape eg overburden dumps, pits, stockpiles, processing etc.
- Provide adequate graphic representations (i.e. maps, photos, diagrams) of the resource and mining information to support the proposed use.
- Include a description of infrastructure to constructed /maintained on the lease.
- Describe the methods proposed for rehabilitation works.
- Include a description of the workforce to establish/maintain this operation.

The coal resource at the Middlemount Coal Mine is located within the Permian age Rangal Coal Measures of the Bowen Basin. The Rangal Coal Measures form a relatively narrow (approximately 3 km wide) structure, striking from the north-northwest to south southeast within and adjacent to the mine tenements.

Three primary seams of the Rangal Coal Measures are targeted for mining, specifically the Middlemount, Pisces and Tralee Seams. ROM coal is mined in a general west to east direction within ML 70379 and ML 70417. Overburden and interburden material is emplaced in-pit behind the advancing open cut operations, and within the East Dump, located within ML 70417 and ML 700014.

Rehabilitation

The Middlemount Coal Mine Plan of Operations and the Middlemount Coal Mine Rehabilitation Management Plan describe the strategy for progressing towards the rehabilitation outcomes required under EA EPML00716913. A summary of the current rehabilitation strategy for the Middlemount Coal Mine is provided below.

Rehabilitation Goal

The rehabilitation goal for the existing Middlemount Coal Mine is to rehabilitate all land subject to mining activities to a non polluting, safe, stable and self-sustaining landform.

Post-Mining Land Use

The Middlemount Coal Mine is surrounded by land primarily used for grazing livestock and mining (with the exception of the MCPL biodiversity offset areas). The post mining land use of all post-mine landforms, except the final void , will be low density beef cattle grazing or native ecosystem as existed prior to mining.

The final void will be a safe, stable, non polluting saline groundwater sink.

Final Landform

The approved Middlemount Coal Mine final landform consists of the following:

- in-pit and out-of-pit waste rock emplacements (slopes and upper surface);
- low wall spoil (above natural ground level);
- a single final void;
- water storage/water management dams;
- rehabilitated infrastructure areas (including mine infrastructure area [MIA], CHPP and roads);
- rehabilitated Roper Creek Diversions;

- rehabilitated Thirteen Mile Gully Diversion; and
- rehabilitated TSF and flocc cells (FC1 and FC2).

A description of each of these landforms is provided below.

In-Pit and Out-of-Pit Waste Rock Emplacements

The upper surface of the waste rock emplacements would be topsoiled (at least 0.2 m layer) and seeded. The upper surface of the waste rock emplacements will be revegetated with species characteristic of RE 11.5.3 (*Eucalyptus populnea* +/- *Eucalyptus melanophloia* +/- *Corymbia clarksoniana* on Cainozoic sand plains/remnant surfaces).

A significant proportion of topsoil resources at the Middlemount Coal Mine and surrounds comprise duplex soils with sandy topsoil. These topsoils are generally non-cohesive and have high erosion potential on slopes greater than about 2%. The slopes of the waste rock emplacements (external slope of the low wall dump and East Dump) will be re-contoured to a slope of up to 18.5o with the use of rock mulch for greater stability.

Workforce

The Project would result in an extension of the approved mine life by approximately six years (to 2037) providing job security for local mine employees and contractors. The Project would not result in any significant additional employees/contractors.

Provide a list of attached documents to support this mining program

Figure 2

Figure 3

5 Applicant's declaration

I confirm the following:

- I understand my obligations as a holder of a mining lease.
- I have truthfully declared all relevant details required on this form.
- If any part of this form has been completed with the assistance of another person, I declare that the information as set down is true and correct and has been included with my full knowledge, consent and understanding.

Name:

Position:

Signature:

Date:

Name:

Position:

Signature:

Date:

Name:

Position:

Signature:

Date:

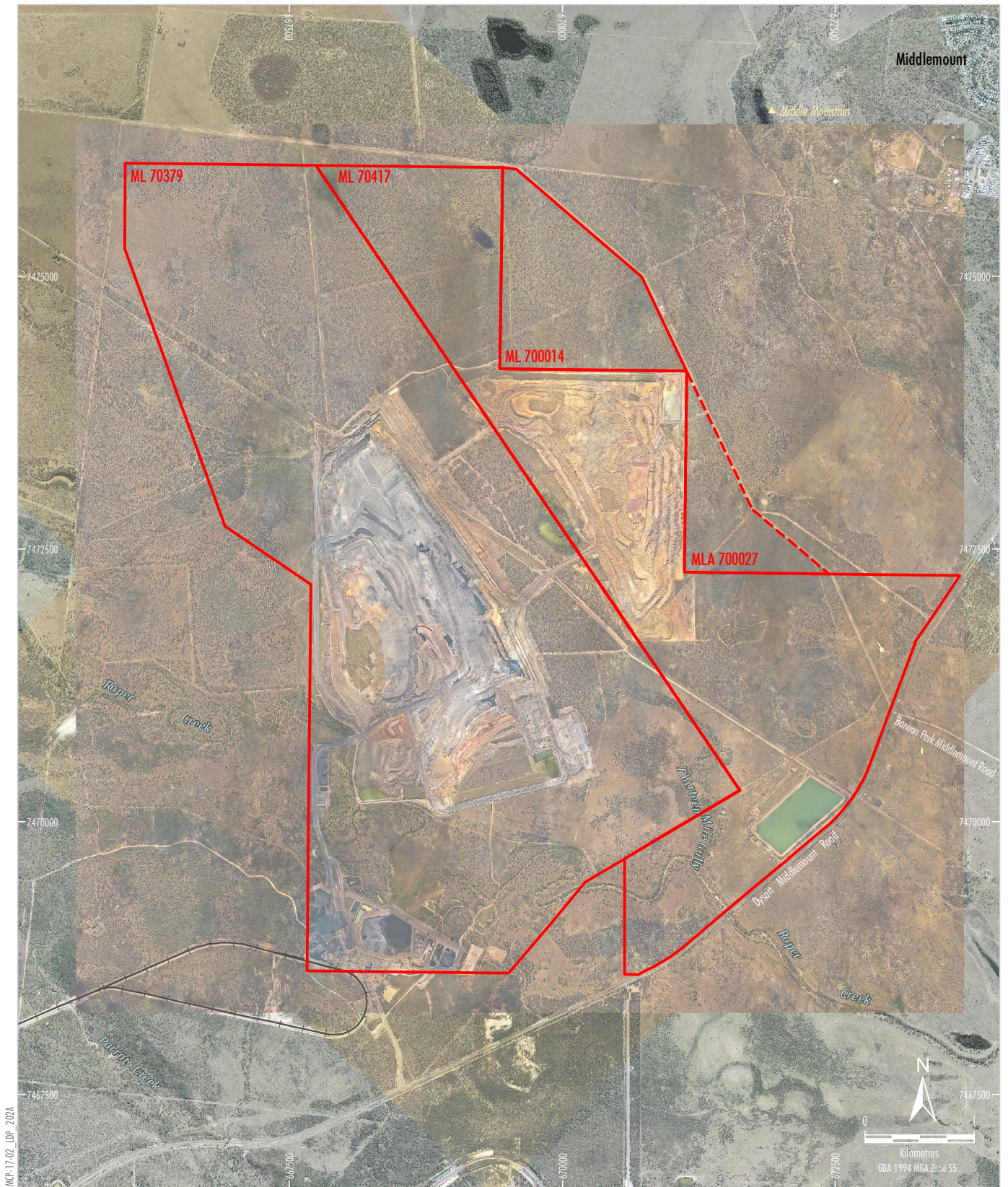
Name:

Position:

Signature:

Date:

if additional signatures, attach a separate piece of paper)



MCP-17-02_LDP_202A

- LEGEND**
- Mining Lease Boundary (ML)
 - Mining Lease Application Boundary (MLA)
 - Middlemount Rail Spur and Loop

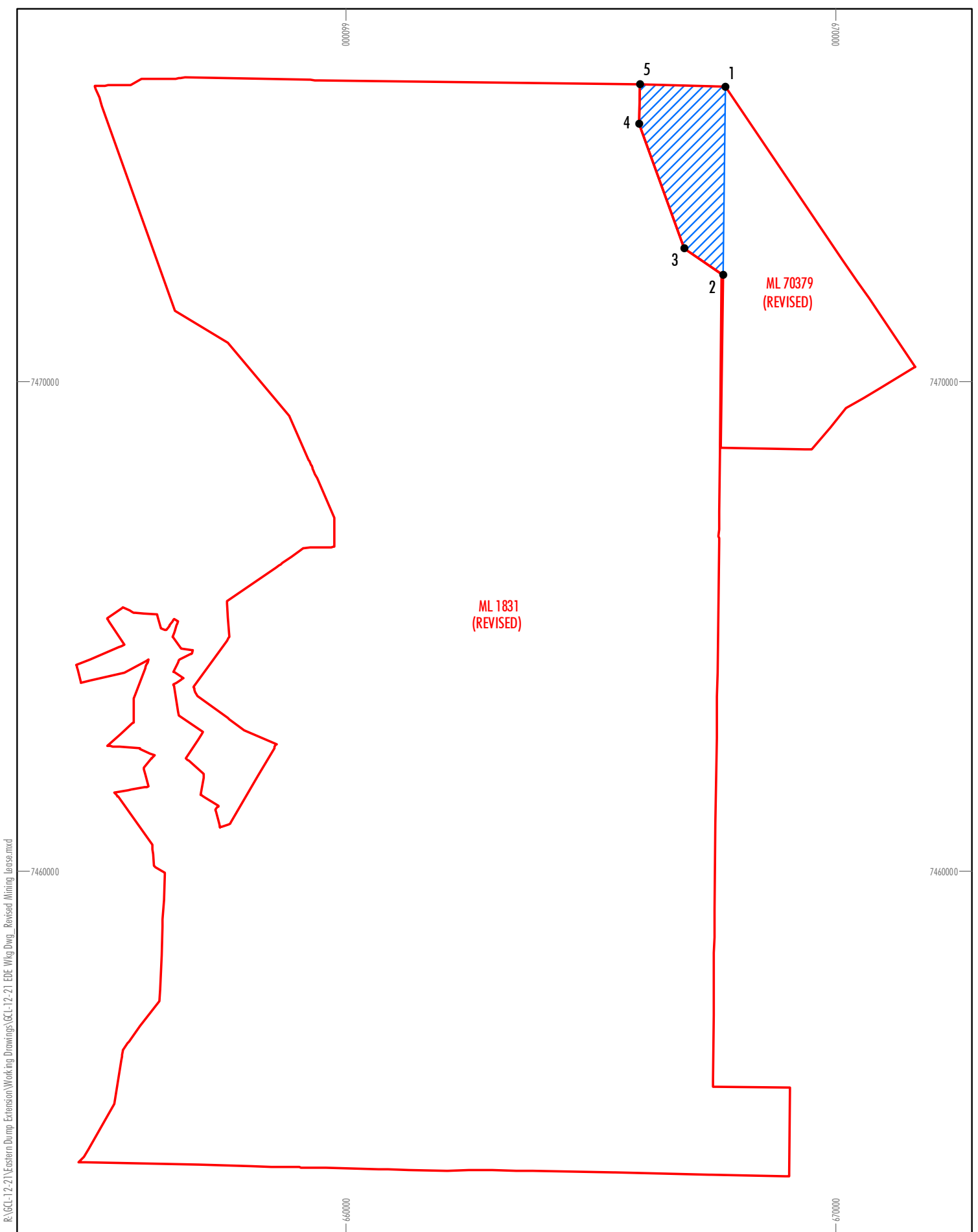
Source: MCPL (2017); Department of Natural Resources and Mines (2018)
 Orthophoto: MCPL (June 2017, 2012)



LATER DEVELOPMENT PLAN

Site Map

Figure 2

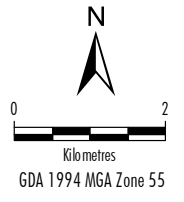


R:\GCL-12-21\Eastern Dump Extension\Working Drawings\GCL-12-21 EDE Wkg Dwg_ Revised Mining Lease.mxd

Legend

- Revised Mining Lease Boundary
- Subject Area (approx 481 ha)
- Set Out Point

Point	EAST	NORTH
1	667741	7476019
2	667699	7472175
3	666910	7472712
4	665988	7475257
5	665997	7476058





Level 17, 444 Queen Street
Brisbane Qld 4000
Australia
GPO Box 241
Brisbane Qld 4001
Tel: (07) 3179 2000
Fax: (07) 3179 2098
Email: info@middlemountcoal.com.au

MIDDLEMOUNT COAL PTY LTD

Later Development Plan / Initial Development Plan

MIDDLEMOUNT COAL MINE (ML70379, ML70417, ML700014, MLA 700027)

PERIOD

From: Date of grant of

- **MLA 700027 ('eastern extension no.2') and**
- **MLA 70379 surface rights ('ML 70379 addition')**

To: 9 January 2020

Revision 1.0 – 11 September 2018

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1. INTRODUCTION

1.1 COMPANY DETAILS

Middlemount Coal Mine (MCM) is operated by Middlemount Coal Pty Ltd (MCPL) as an incorporated joint venture between Peabody Energy Australia Pty Ltd (50%) and Yancoal (50%).

The head office of MCPL is located at:

Level 17, 444 Queen Street
Brisbane Qld 4000

1.2 PROJECT NAME AND LOCATION

MCM is located approximately 6km west of the township of Middlemount in Central Queensland and is accessed via the sealed Dysart - Middlemount road. The topography of the project area is gently undulating with surface area elevation generally ranging from 160 to 170 metres. The mine currently extracts approximately 5.4 Mtpa of ROM coal from the open cut strip mine and expects to continue at around this extraction rate until approximately 2031. However, MCPL is seeking to extend the mine life until approximately 2036, extracting an additional 21 Mt ROM coal, via the Western Extension Project.

Raw coal is washed at the onsite coal handling and preparation plant (CHPP) to produce a mix of pulverized coal injection (PCI), coking and thermal Coal for sale on the export market. A location map is shown in Figure 1 and site map is shown in Figure 2 .

1.3 TENURES

Tenures covered by this Later Development Plan include:

Mining Lease 70379 (2,065 ha)

The registered holders of this tenement are Ribfield Pty Ltd (95%) and Middlemount Coal Pty Ltd (5%). 1,586 ha of this lease commenced in October 2009 and expires 30 September 2031. A further 479 ha was added to the lease from Mining Lease (ML) 1831 in May 2017 by variation for accuracy (s295 of the *Mineral Resources Act 1989*). This additional area of 479 ha does not currently have surface rights.

The purpose of the lease includes: coal mining activities, CHPP, machinery workshop/ storage, water supply, tailings/settling dams, stockpiling coal/overburden, environmental dams and train load out facility.

Mining Lease 70417 (1 082 ha)

The registered holders of this tenement are Ribfield Pty Ltd (95%) and Middlemount Coal Pty Ltd (5%). The lease commenced in January 2012 and expires 30 September 2031. The purpose of the lease includes: coal mining activities, environmental dams and stockpiling coal/ overburden.

Infrastructure Mining Lease 700014 (197.5 ha)

The registered holders of this tenement are Ribfield Pty Ltd (95%) and Middlemount Coal Pty Ltd (5%). The lease commenced in February 2017 and expires 30 September 2031. The purpose of the lease includes overburden waste management and other infrastructure requirements such as water management.

Infrastructure Mining Lease Application 700027 (95.4 ha)

The applicants for this tenement are Ribfield Pty Ltd (95%) and Middlemount Coal Pty Ltd (5%). The application was lodged in January 2018 and seeks a term until 30 September 2031. The proposed purpose of the lease includes overburden waste management and other infrastructure requirements such as water management.

1.4 LAND TENURE

The MCM is located on freehold land owned by MCPL. Areas outside of mining operations are currently used for low intensity cattle grazing under an agistment agreement.

1.5 CO-DEVELOPMENT AGREEMENT

ML 70379, ML 70417 and ML 700014 operate within ATP 1103 under a co-development agreement. ATP 1103 is held by CH4 Pty Ltd, Arrow CSG (ATP 364) Pty Ltd, and AGL Energy Limited (collectively the **Gas Parties**). ATP 1103 was granted in December 2010 and expires in December 2018. MCPL has consulted with Arrow Energy, who represent the Gas Parties, and will seek to amend the existing co-development agreement to include MLA 700027. **Figure 3** shows the extent of the overlapping tenements.

1.6 INTERACTIONS WITH POTENTIAL FUTURE PETROLEUM PRODUCTION

ATP 1103 overlaps a north-eastern portion of ML 70379, the eastern and northern parts of ML 70417, ML 700014, and MLA 700027 (**Figure 3**). There are no gas tenements that overlap the MLA 70379 surface rights area ('ML 70379 addition'). A major geological structure (Jellinbah fault) is located between the existing minable reserves and the majority of ATP 1103. MCPL will communicate this LDP in accordance with current agreements with the holders of ATP 1103.

No recent CSG exploration has been undertaken within ML 70417, ML 70379, ML 700014, or MLA 700027. No Initial Development Plan for CSG production over any of these areas has been provided by the holder of ATP 1103.

Arrow Energy submitted an EIS for CSG production which includes the development of ATP 1103. State and Federal government approval was granted on the 8th of September and 28th October 2014 respectively. The EIS project description identifies production commencing in ATP 1103 in 2039. Given the proposed coal mine life and anticipated CSG commencement in 2039, it is not anticipated that coal and CSG production will be occurring concurrently.

MRA Section 318AP(1)(a)(i), MRA Section 318AP(1)(a)(ii), MRA Section 318AP(2)(b), MRA Section 318AP(2)(c), MRA Section 318AP (2)(c)(i), MRA Section 318AP (2)(c)(ii), MRA Section 318AP(2)(c)(iii), MRA Section 318AT

1.7 GEOLOGY

1.7.1 Regional Geology

The coal resources for MCM occur with the Rangal Coal Measures and Burngrove Formation of the Permian Bowen Basin. The Roper, Middlemount, Tralee and Pisces Upper seams belong to the Rangal Coal Measures, while the Pisces Lower and Girrah seams belong to the Burngrove Formation. In the locality, a veneer of more recent Tertiary geology and Quaternary geology typically overlies the Bowen Basin strata.

The major regional Structure is the north-northwest orientated Jellinbah Fault, a complex fault with a throw of over 100m. This fault occurs near the eastern boundary of ML70379 and seams of the Rangal Coal Measure crop out to the west of this fault.

The geological cross section in **Figure 4** and LOX line plot in **Figure 6** outline the coal reserves of MCM.

1.7.2 Local Geology

Tertiary

Tertiary deposits overlay Permian strata across the entire deposit. The thickness of the Tertiary layer ranges between 15 -55m averaging 40m across the deposit. The Tertiary layer consists of poorly consolidated silty sand and sandy clays.

Weathering

The depth of weathering ranges from 20m to 60m, averaging 45m across the deposit. The base of weathering is 5 to 40 metres below the base of Tertiary.

Coal Seams

Seams strike north-northwest and dip to the east at an angle of between three to seven degrees. The Middlemount, Tralee, Pisces and Girrah seams all occur within ML70379 however only the Middlemount, Tralee and Pisces Uppers seams are economically viable to recover.

The Middlemount seam is mined in three plies, the Middlemount Uppers (MU), Middlemount Lower Tops (MLT) and the Middlemount Lower Bottoms (MLB). The Middlemount seam ranges from 2 to 7m thick, averaging 4m across the deposit.

The Tralee seam is mined in two plies, the Tralee tops (TL2T) and the Tralee bottoms (TL2B). The seam ranges from 0 to 1.5 m thick averaging 1m, across the deposit. The two plies split apart in the southern and eastern extents of the reserves. The thickness and ash content of the Tralee seam varies across the deposit becoming uneconomical to mine and market in the southern extents.

The Pisces Uppers seam has been modelled in three plies but is not split during mining. The seam ranges from less than 2 to over 6 m thick, averaging 4.8m across the deposit.

1.7.3 Structures

The major structure within MCM is the Jellinbah Fault that runs along the eastern limits of ML 70379. The fault is considered to be complex with a throw of over 100m. Additional faulting occurs west of this regional faulting – normal and reverse faults with throws of less than 5m vertical displacement.

1.8 GAS CONTENT TESTING

The available drill hole information on the presence of CSG in the target seams is limited. The economic seam reaches a depth of around 220m below the surface and general experience in the Bowen Basin shows that at these depths gas is unlikely to be present. Deep seams in the Burngrove Formation may contain commercial quantities of CSG.

MRA Section 318AP(2)(c)(v)

2. LATER DEVELOPMENT PLAN

2.1 TERM

The term of this Later Development Plan (LDP) for the MCM (incorporating ML 70379, ML 70417, ML 700014, and MLA 700027) is from the date of commencement of MLA 700027 and MLA 70379 addition, expiring on the same date as the existing LDP for ML 70379 and ML 70417, which is 9 January 2020. In effect this LDP also acts as an IDP for MLA 700027 and the MLA 70379 addition.

MRA Section 318DU**2.2 DESCRIPTION OF MINING ACTIVITIES**

MCM is an open cut coal mine focused on the extraction and washing of coal to produce PCI, coking, and thermal products for sale on the export market. The operation spans three current mining leases with ML 70379 containing the mines CHPP, workshop and main excavation. ML 70417 and ML 700014 are predominantly used for overburden emplacement, water management and general activities related to coal mining. MLA 700027 will have a similar use as ML 70417 and ML 700014. The MLA 70379 addition is proposed to be utilised as an extension to the main excavation and to allow for a further relocation of 13 Mile Gully and associated levee.

Mining activities within the period of this plan comprises mining operations to extract coal from the Middlemount, Tralee and Pisces seams within the Rangal Coal Measures. Maximum depths of the open cut operations range up to 220m in the 2019 – 2020 year with the final open cut mining depth being determined on an economic basis.

The deposit is currently being mined using a combination of truck and excavator, dozer push and cast mining techniques in an east-west terrace and north-south strip configuration. The current mining techniques and configuration will continue for the term of this plan, however strips in the MLA 70379 addition area will be generally aligned in a south-west to north-east direction.

Free-dig (unblasted) material is excavated from the surface (160 to 170m AHD) to a depth of 40 to 60m. The material below this horizon is blasted to the Middlemount Seam and mined using a conventional truck and excavator configuration. The overburden between the Middlemount and Tralee seam ranges between 0m to 30m thick and blasted when thickness exceeds 4m. The Tralee seam is exposed using a conventional truck and excavator configuration. Recovery of the Tralee seam varies along the strike and dip of the seam, becoming uneconomical to mine due to thickness and quality in the southern extents of the pit. The overburden between the Tralee and Pisces seam varies between 30 - 60m thick and is mined using a combination of cast, dozer push and truck and excavator configuration.

The main elements of the open-cut operations are:

- Clearing vegetation ahead of mining and stripping of available topsoil that is stockpiled for use in later rehabilitation programs.
- Overburden removal by truck and excavator, cast blasting and dozer push operations.
- Coal mining, extraction of coal from the Rangal Coal Measures.

-
- Processing of raw coal through the onsite CHPP to produce a combination of PCI, coking, and thermal coals.
 - Transporting of the washed product by rail to Dalrymple Bay and Abbot Point Coal terminals for export; and
 - Reshaping of spoil dumps, replacement of topsoil and revegetation of the mined out backfilled areas.

MRA Section 318DT(1)(a), MRA Section 318DT(1)(b)(i), MRA Section 318DT (1)(b)(ii)

2.3 GEOLOGICAL MODELLING AND COAL RESOURCES

Geological modelling and coal resource assessment have been undertaken by JB Mining Services Pty Ltd for Middlemount Coal Pty Ltd. Resources have been estimated and categorised in conformance with the requirements of the reporting guidelines of the Joint Ore Reserves Committee (JORC) of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists and Minerals Council of Australia.

Table 1 summarises the resources for ML70379, ML70417 and MDL282 as of 16 April 2018. Up until 30 August 2018, approximately 1.5 million tonnes of the measured resources will have been mined.

Figure 4 shows the Geology cross-section of MCM reserves.

Table 1: Summary of ML 70379 Coal Resources as at 16 April 2018

Seam	Working Section	ML70379				ML70417	MDL282	GRAND
		Measured	Indicated	Inferred	TOTAL	TOTAL	TOTAL	TOTAL
Middlemount Upper	MU	1.53	0.6		2	0	0	2
Middlemount Lower	MLT	17.77	9.1	1	28	3	1	32
Middlemount Lower	MLB	10.73	6.6	0	17	2	0	20
Tralee	TL1	0.00	0.1	0	0	0	0	0
Tralee	TL2T	2.86	1.1	0	4	0	0	4
Tralee	TL2B	1.41	0.6	0	2	0	0	2
Pisces Upper	PUT	13.46	10.3	0	24	3	1	28
Pisces Upper	PUM	16.30	10.5	1	27	4	1	32
Pisces Upper	PUB	12.45	11.0	0	24	3	1	27
TOTAL		76.51	49.8	2	129	15	4	147
Resources		72.80	44.1	2	119	12	3	135

MRA Section 318DT(1)(c)(i), MRA Section 318DT(1)(c)(ii)

2.4 MINING SEQUENCE

Truck and excavator, dozer push and cast blast mining will continue in the northern, southern and eastern extents of MCM's current pit for the term of this plan. Truck and excavator will be used to mine through the free-dig material, and a combination of truck and excavator and dozer push will be used to remove blasted material to expose the Middlemount and Tralee seam. A combination of cast blasting, dozer push and truck and excavator techniques will be used to expose the Pisces seam.

During the term of this plan, mining will be primarily focused on progressing the north eastern high-walls east towards the Jellinbah fault and the extents of the mines reserves. Mining will also progress in the south and north extents of the mining reserves. The full extension of the southern reserves will require completion of a creek diversion and associated levee construction.

Figure 5 shows the mine plan for the remaining term of this LDP and **Table 2** lists the major production parameters for mining.

Table 2: Key Schedule Parameters

Year Starting January	Overburden (MBCM)	ROM (Mt)
2018	56.7	5.32
2019	59.3	5.35
2020	53.9	5.40
Total	169.9	16.1

MRA Section 318DT(1)(c)(iii), MRA Section 318DT(1)(c)(iv), MRA Section 318DT(1)(c)(v), MRA Section 318DT(1)(d)

2.5 PUBLIC INTEREST

The continued development of this resource by open cut coal mining is in the public interest. It will continue to create long term value for the owners, the community and government via export coal sales, direct and indirect job creation, coal royalties, rates, taxes, sponsorship and donations.

MRA Section 318DT(1)(e), MRA Section 318AP(2)(d)

2.6 RESOURCE UTILISATION

The open cut operation plans to extract all of the defined open cut Pisces and Middlemount reserve from within ML 70379 and the MLA 70379 addition. Economic and quality limits dictate the recovery of Tralee which varies across the strike of the deposit. Approximately 85% of the modelled Tralee will be recovered during the term of this plan.

MRA Section 318DT(1)(f)

2.7 COAL SEAM GAS TENURE CONSIDERATIONS

MCM operate under a co-development agreement as outlined in **Section 1.5** of this document. At this stage no Coal Seam Gas extraction or exploration is occurring. If this changes in the future, MCM will work within the terms of the co-development agreement with the other parties involved.

MRA Section 318DV

2.8 INCIDENTAL COAL SEAM GAS

Commercial quantities of incidental coal seam gas are not likely to be present within the Mine which currently has a maximum depth of 110m. Gas testing during exploration indicates only a residual amount of coal seam gas is present.

MRA Section 318DW

3. LATER DEVELOPMENT PLAN COMPLIANCE

3.1 TERM

This later development plan covers both ML 70379 and ML 70417 as the mining activities performed by MCM interact with both leases simultaneously.

The term of this Later Development Plan (LDP) for the MCM (incorporating ML 70379, ML 70417, ML 700014, and MLA 700027) is from the date of commencement of MLA 700027 and MLA 70379 addition, expiring on the same date as the existing LDP for ML 70379 and ML 70417, which is 9 January 2020. In effect this LDP also acts as an IDP for MLA 700027 and the MLA 70379 addition.

Previously the Initial Development Plan for both ML 70379 and ML 70417 were separate documents.

3.2 DESCRIPTION OF MINING ACTIVITIES

No significant change.

3.3 GEOLOGICAL MODELLING AND COAL RESOURCES

No significant change.

3.4 MINING SEQUENCE

The major change to the mining sequence occurred in ML 70379 when ML 70417 was granted. ML 70417 allowed the planned ex-pit dump to be relocated further east past the Jellinbah Fault opening up additional reserves in the northern extents of the lease scheduled to be mined within the term of this LDP. The rate of overburden movement and coal extraction also increased from 21 Mbcm pa to 38 Mbcm pa and 1.3 Mtpa to 4.8 Mtpa respectively accelerating the mining face positions.

3.5 PUBLIC INTEREST

No significant change.

3.6 RESOURCE UTILISATION

The relocation of the ex-pit dump opened up additional coal resources in the north of the lease. An average of 85% of the Tralee seam is now also recovered across the deposit.

3.7 COAL SEAM GAS CONSIDERATIONS

No significant change

3.8 INCIDENTAL COAL SEAM GAS

No significant change.

MRA Section 318ED

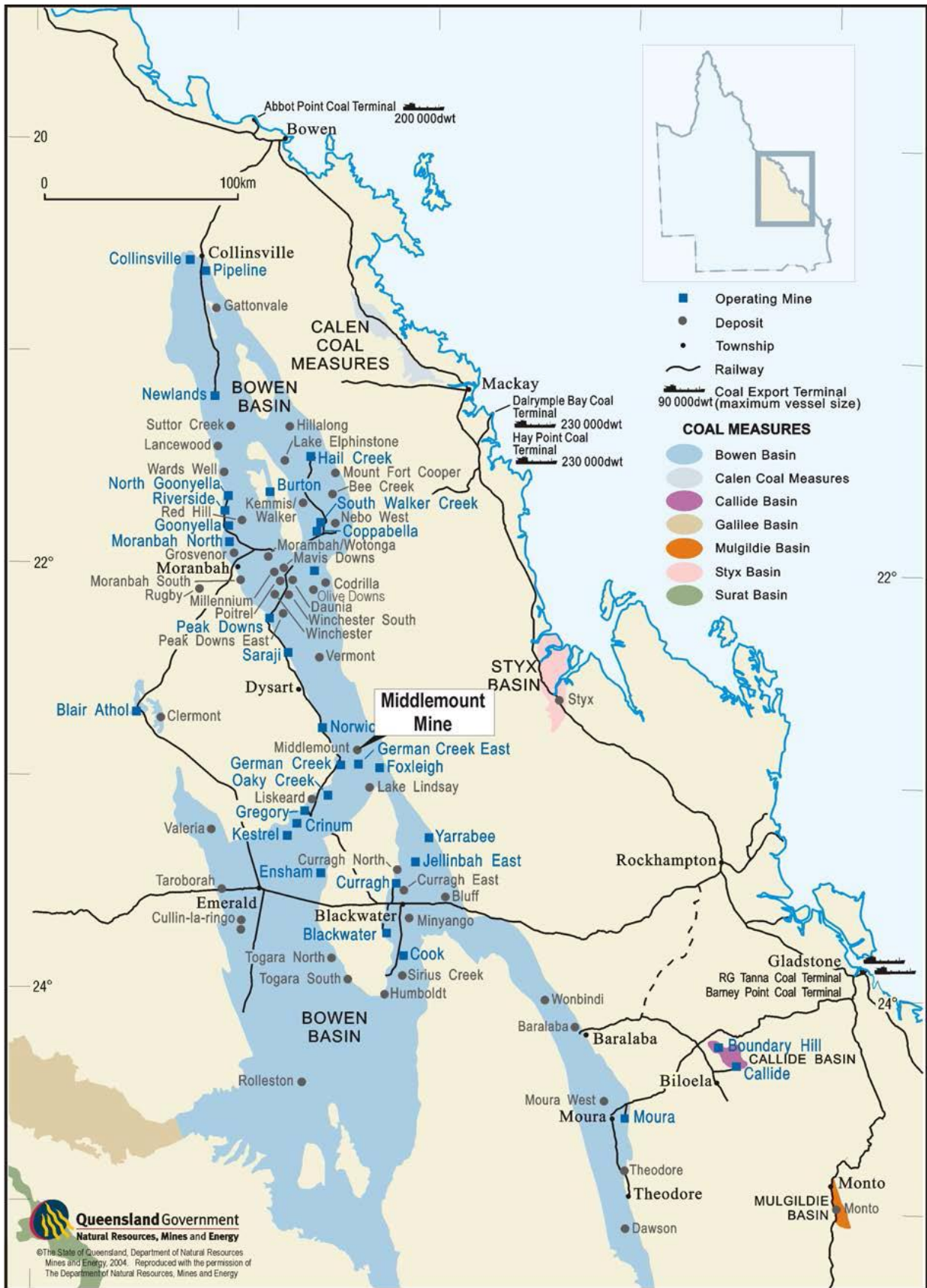



Figure 1: Location Map



LEGEND
 Mining Lease Boundary (ML)
 Mining Lease Application Boundary (MLA)
 Middlemount Rail Spur and Loop

Source: MCPL (2017); Department of Natural Resources and Mines (2018)
 Orthophoto: MCPL (June 2017, 2012)


LATER DEVELOPMENT PLAN
 Site Map

Figure 2

Figure 2: Site Map



- LEGEND**
- Mining Lease Boundary (ML)
 - Mining Lease Application Boundary (MLA)
 - Authority to Prospect Boundary (ATP)
 - Middlemount Rail Spur and Loop

Source: MCPL (2017); Department of Natural Resources and Mines (2018)
 Orthophoto: MCPL (June 2017, 2012)


LATER DEVELOPMENT PLAN
 Map of Overlapping Tenements

Figure 3

Figure 3: Map of overlapping tenements

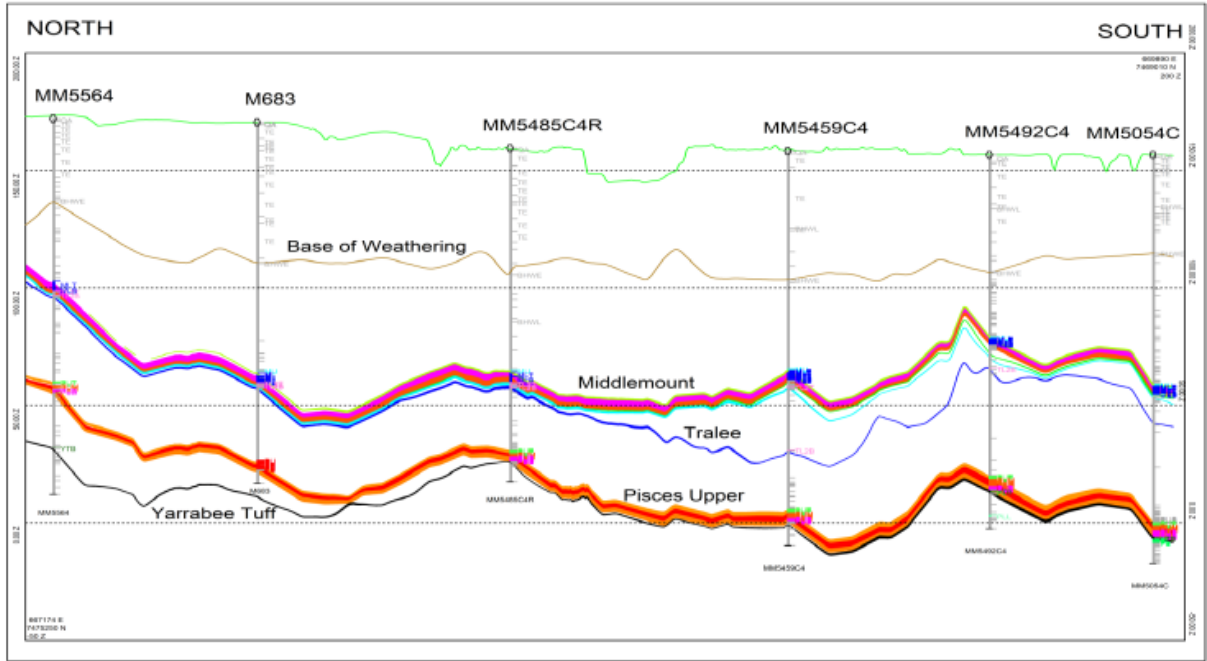


Figure 4: Geology cross-section of MCM reserves

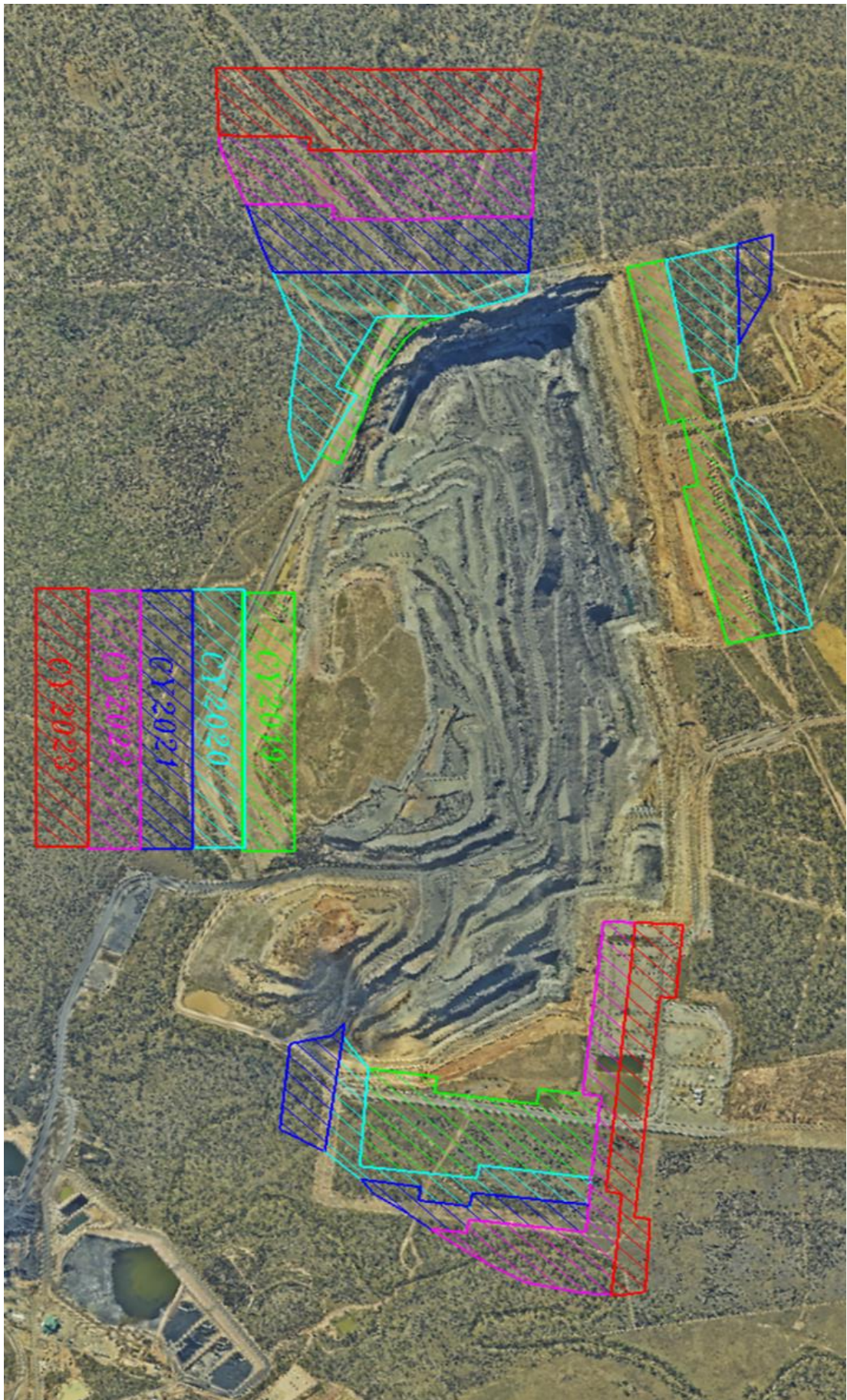
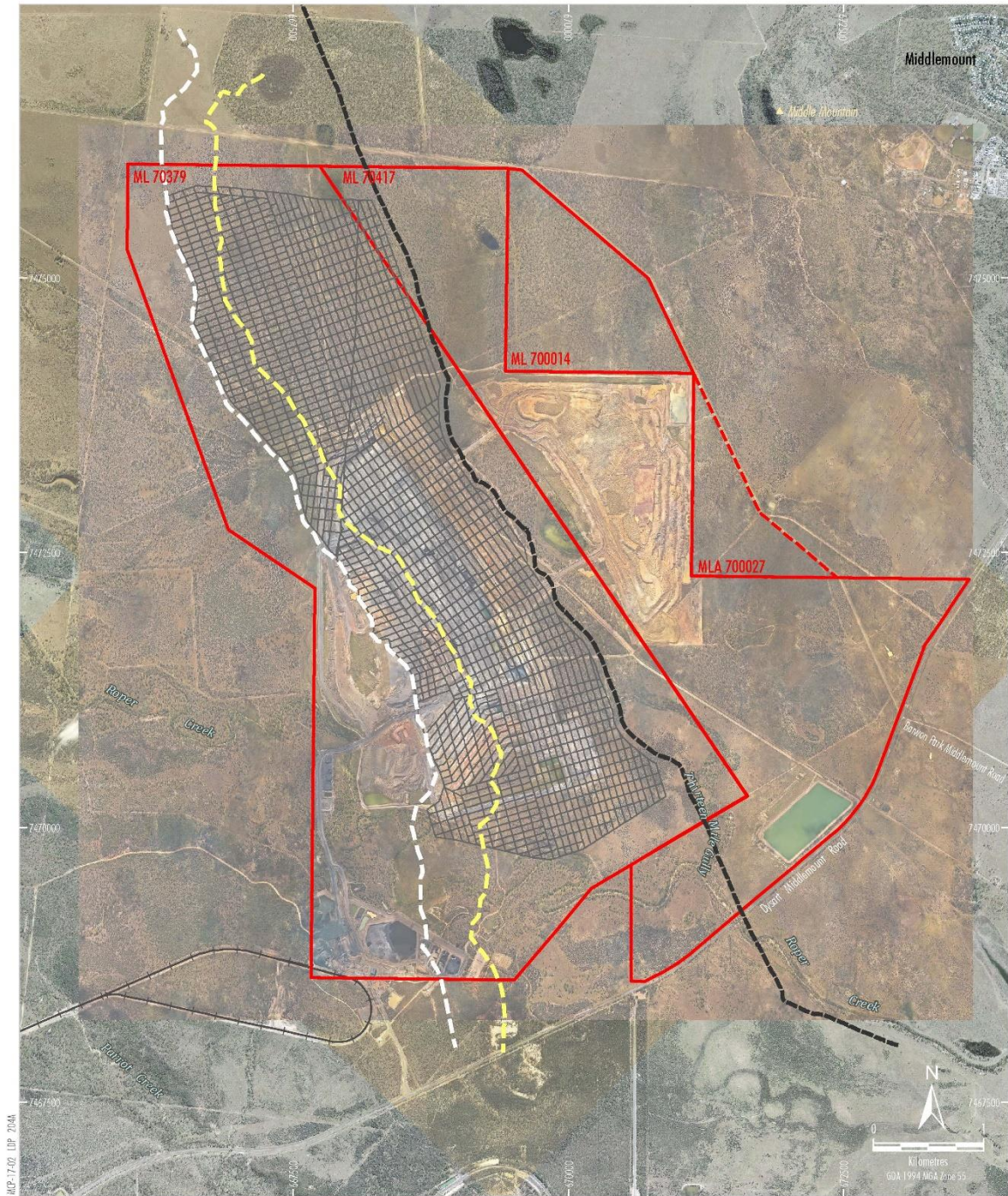


Figure 5: 5 Year Mine Plan



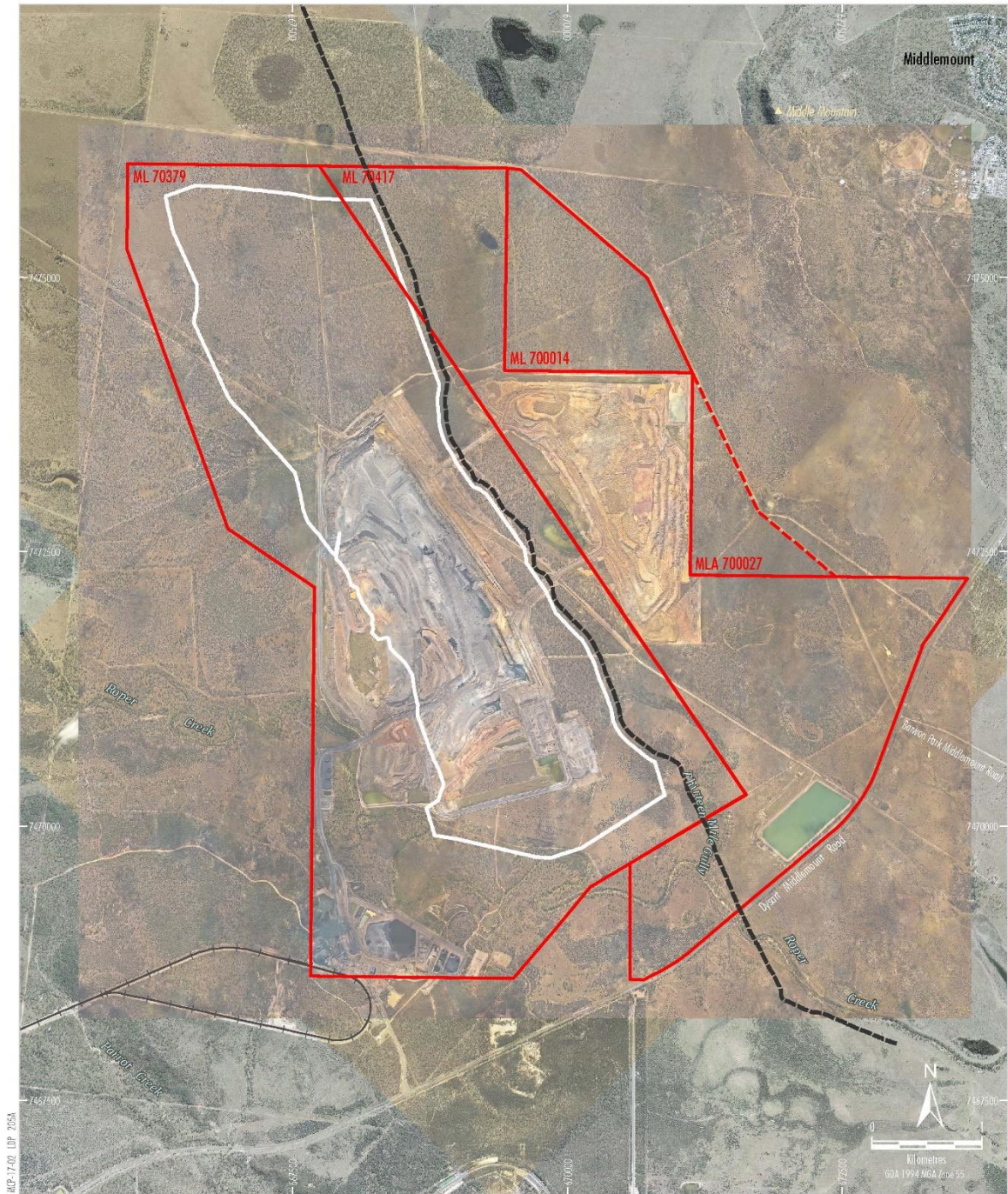
- LEGEND**
- Mining Lease Boundary (ML)
 - Mining Lease Application Boundary (MLA)
 - Middlemount Rail Spur and Loop
 - Jellinbah Fault/Eastern Limit of Reserves
 - Middlemount LOX
 - Pisces LOX
 - Coal Block

Source: MCPL (2017); Department of Natural Resources and Mines (2018)
 Orthophoto: MCPL (June 2017, 2012)


LATER DEVELOPMENT PLAN
 LOX Plot

Figure 6

Figure 6: LOX Plot



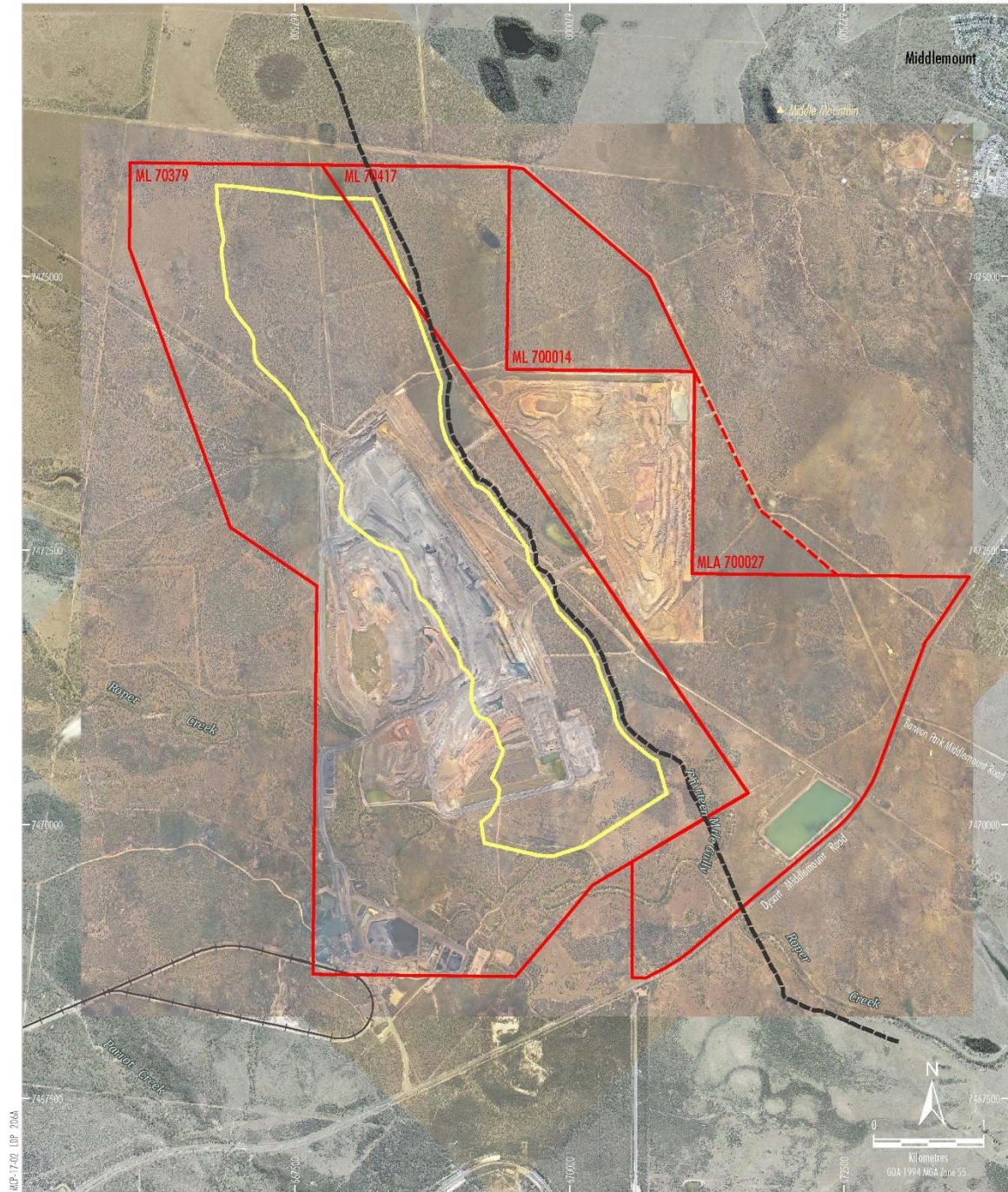
- LEGEND**
- Mining Lease Boundary (ML)
 - Mining Lease Application Boundary (MLA)
 - Middlemount Rail Spur and Loop
 - Jellinbah Fault/Eastern Limit of Reserves
 - Pisces Reserve Boundary

Source: MCPL (2017); Department of Natural Resources and Mines (2018)
 Orthophoto: MCPL (June 2017, 2012)


LATER DEVELOPMENT PLAN
 Pisces Reserve Boundary

Figure 7

Figure 7: Pisces reserve boundary



- LEGEND**
- Mining Lease Boundary (ML)
 - Mining Lease Application Boundary (MLA)
 - Middlemount Rail Spur and Loop
 - Jellinbah Fault/Eastern Limit of Reserves
 - Middlemount Reserve Boundary

Source: MCPL (2017); Department of Natural Resources and Mines (2018)
 Orthophoto: MCPL (June 2017, 2012)


LATER DEVELOPMENT PLAN
 Middlemount Reserve Boundary

Figure 8

Figure 8: Middlemount reserve boundary

Variation for Accuracy Approval

4 May 2017

MMOL activity reference: 197161

Middlemount Coal Pty Ltd
C/- Peabody Energy Australia Pty Ltd
GPO Box 164
BRISBANE QLD 4001

Dear Sir/Madam

We wish to advise that pursuant to section 295 of the *Mineral Resources Act 1989* approval of the variation for accuracy for Mining Lease (ML) Number 70379 is given.

Area prior to boundary exchange: 1586 hectares.

Current total area: 2067 hectares.

Current surface area: 1586 hectares.

Please refer to the attached sketch of ML 70379 to confirm the amended boundary and mining lease area.

Note: the Department will, at all times, insist on strict compliance with all terms and conditions of the Mining Lease.

What do I need to do now?

You are requested to lodge a survey plan of the mining lease within **6 (six) months** from the date of this letter.

We recommend this letter be kept as a record that the variation for accuracy has been approved and recorded on the register.

Where do I find more information?

There are a range of useful resources and support materials available to assist you from our website www.business.qld.gov.au/industry/mining. You can also download guidelines and policies on your resource permit obligations, land access and native title as it applies to mining and exploration activities.

If you have questions about this letter, or specific detail relating to the above permit contact the Coal Assessment Hub on CoalHub@dnrm.qld.gov.au or +61 (07) 4936 0169.

Regards

Alex Grundy
Principal Mining Registrar Assessment
Mining and Petroleum Operations
Department of Natural Resources and Mines