

**MINING LEASE NOTICE
AND ENVIRONMENTAL AUTHORITY**
*Mineral Resources Act 1989 – Section 252
Environmental Protection Act 1994 – Section 152*

Coal and Gaseous Hydrocarbons – Additional Surface Area for Mining Lease Number 4750 for a proposed expiry date of 31 July 2041.

It is advised that an application has been made for additional surface area to a mining lease and environmental authority (EMPL00712313) amendment under the provisions of the above-mentioned Acts, for the mining/purpose of **coal and gaseous hydrocarbons** on the following land parcels within the **Isaac Regional Council**:

- **Lot 8 on SP155252 Freehold**

The application is located at approximately 35 kilometres west of Nebo.

The applicant is: **Stanmore SMC Pty Ltd 100%**

Date and time application lodged: **30 July 2024** **1:11pm**

Mining activities to be carried out include:

- **Exploration drilling, resource definition, mine planning in lieu of future open cut pit expansion.**
- **Installation of gas drainage wells and potential construction of a gas fired power station.**

Mining lease application documents

The application documents consist of the Application for the addition of surface area to a Mining Lease, copies of or extracts from the application documents, and the endorsed Mining Lease Notice detailing the location and description of the land applied for (including surface area and access), may be downloaded from the Department's website <https://www.business.qld.gov.au/industries/mining-energy-water/resources/public-notices-tenders> or may be inspected at the Department of Natural Resources and Mines, Manufacturing, and Regional and Rural Development office – **Building E, 25 Yeppoon Road, Parkhurst** or may be obtained by contacting the local mines assessment hub on **(07) 4936 0169** or CoalHub@resources.qld.gov.au.

Environmental authority documents

The application documents for the proposal consist of the following:

Application form, Environmental Authority Amendment Application Supporting Information – September 2024, Request for Information, and Request for Information Response.

Copies of, or extracts from, the application documents may be inspected at the Department of the Environment, Tourism, Science and Innovation located at **99 Hospital Road, Emerald**, downloaded from the Department's website <https://environment.desi.qld.gov.au/management/activities/non-mining/regulation/environmental-authority/current-ea-applications> or may be obtained by contacting Permit and Licence Management by phone on 1300 130 372 or by email on palm@des.qld.gov.au.

Copies of the standard conditions and eligibility criteria for a resource activity can be obtained by accessing the Department of the Environment, Tourism, Science and Innovation website www.desi.qld.gov.au or by contacting Permit and Licence Management by phone on 1300 130 372 (select option 4) or by email on palm@des.qld.gov.au.

Making a properly made objection/submission

It is advised that any person/entity may make an objection to the grant of the addition of surface area to a mining lease, and/or a submission about the application for the environmental authority. The **objection/submission period**, during which objections/submissions can be given, concludes on **7 February 2025** at 4.30pm (AEST).

A properly made objection and/or submission must be received on or before 4.30pm (AEST) on the last day of the objection/submission period. It must be lodged with the chief executive in writing in the approved form, addressed to the relevant Assessment Hub:

Coal Assessment Hub

Building E, 25 Yeppoon Road

Parkhurst QLD 4702

PO Box 3679, Red Hill QLD 4701

Email: CoalHub@resources.qld.gov.au

A copy of the objection **must** also be served upon the applicant on or before 4:30pm (AEST) on the last day of the objection period at the following address:

**Stanmore SMC Pty Ltd
GPO Box 2602, Brisbane, Queensland 4715**

Objection for the mining lease application:

A properly made objection in respect to the grant of the addition of surface area to a mining lease is one that:

- is lodged, on or before 4:30pm (AEST) on the last objection day for the application with the chief executive in writing in the approved form;
- states the grounds of the objection and the facts and circumstances relied on in support of the grounds
- is signed and dated by each person/entity (i.e. signatory) making the objection; and
- states the name and address of each signatory.

Intending objectors should obtain the approved objection form (MRA-20) by either contacting the relevant assessment hub on **(07) 4936 0169** or online from the department's website:

<https://www.business.qld.gov.au/industries/mining-energy-water/resources/applications-compliance/forms-fees>.

Submissions for the Environmental Authority application:

The Department of the Environment, Tourism, Science and Innovation as administering authority shall accept all properly made submissions and may accept written submissions even if they are not properly made.

A properly made submission must meet all of the following requirements:

- be written or made electronically
- state the name and address of each submitter
- be made to the administering authority stated above
- be received on or before the last day of the submission period
- state the grounds of the submission and the facts and circumstances relied on in support of the grounds.



Department of Natural Resources and Mines, Manufacturing and Regional and Rural Development

Mineral Resource Act 1989

(Section 252)

NOTICE FOR ADDITION OF SURFACE AREA TO
MINING LEASE NO. 4750

This is to certify that the undermentioned made application on the day and at the time indicated hereunder for addition surface area to a mining lease under the provisions of the abovementioned Act.

<u>Mining Lease No.</u>	4750
<u>Mining District</u>	Emerald
<u>Locality</u>	South West of Nebo
<u>Local Government</u>	Isaac Regional Council
<u>Date and Time Application Lodged</u>	30 July 2024 1.11 PM
<u>Mining For/Purpose</u>	Coal and Gaseous Hydrocarbons

The application and additional documents given to the Department about this application may be inspected at the Assessment hub that issued this notice. The office details can be found online at

<https://www.resources.qld.gov.au/mining-exploration>.

<u>Term of Lease Applied for</u>	for a proposed expiry date of 31 July 2041
<u>Full Name of Applicant/s</u>	Stanmore SMC Pty Ltd 100 %

Any objection to this additional surface area application must be lodged with an assessment hub on or before 4.30pm (AEST) on 7 February 2024. A copy of such objection is required to be served upon the applicant on or before that date at the following address:-

GPO Box 2602
BRISBANE QLD 4715

Issued by the Coal Assessment Hub on 7 January 2025.

A handwritten signature in black ink, appearing to read 'BR Wilkey', written over a horizontal line.

Delegate of the Chief Executive



Application for additional surface area on a mining lease

Mineral Resources Act 1989 (s275)

Form MMOL-27 Version 3

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 4750

Current expiry date:

31/07/2020 (renewal lodged)

Details of the current holder(s)

	Holder 1	Holder 2	Holder 3
Company Name/surname:	Stanmore SMC Pty Ltd		
Given name (if individual):			
ACN/ARBN	009 713 875		
% Holding:	100		

Question 2 – Details of permit area

2.1 Size of surface area being added :

94.37

hectares

2.2 Why is surface area required?

To gain access to the surface for exploration drilling, resource definition, mine planning in lieu of future open cut pit expansion. In addition to this installation of gas drainage wells and potential construction of a gas fired power station.

OFFICE USE ONLY		Fees paid:	Payment Method:	Receipt Number: _____
Received at: _____	Total \$ _____	Cash <input type="checkbox"/>	Credit Card <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: _____	APPLIC <input type="checkbox"/>	EFTPOS <input type="checkbox"/>	Cheque <input type="checkbox"/>	
Date: / /	NT AD <input type="checkbox"/>	Name: _____		
Time: AM/PM	Date: / /		Signed: _____ Date: / /	

Access:

3.4 Will the current registered access to the mining lease be changing due to the addition of the surface area?

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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If yes, complete questions below – If no go to question 4

3.5 Is access to the mining lease by a designated road that is within or is abutting the permit area?

<input type="checkbox"/> Yes	<input type="checkbox"/> No
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3.6 If yes - Provide the name of the dedicated road:

Go to question 4

3.7 If no - What is the width of access:

Metres (two decimals)

3.8 Provide any relevant information about the access including start and end points:

3.9 - Access description

Latitude	Longitude

*Attach as a separate list if insufficient space

Attachments required:

- Map of proposed surface area including current external and internal boundary, access and surface area (if part)
- Provide any other supporting documents or graphic representation of the area e.g. photos

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
7	SP155252	FH	Strathfield	Stanmore SMC Pty Ltd	Level 32, 12 Creek Street Brisbane, QLD 4000
1	SP107309	FH	N/A	Peabody Bistrotel Pty Ltd	Level 14, 31 Duncan Street, Fortitude Valley, QLD 4006

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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<p>Attachments required:</p> <p>If yes to 4.8 - Consent from the owner of the reserve <input type="checkbox"/></p>

Overlapping permits

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

Permit type	Permit number	Authorised holder	Expiry date
ML	4750	Stanmore SMC Pty Ltd	31/07/2020 (renewal lodged)

**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	<input type="checkbox"/>
Authority to prospect and a petroleum lease - Provide a CSG statement and any other information that addresses the CSG assessment criteria	<input type="checkbox"/>
Petroleum lease - Provide a CSG statement	<input type="checkbox"/>

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
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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

Please submit the relevant Environmental Authority (EA) application with the Department of Environment and Science (DES) via the [Connect System](#). For more information on the DES Connect System or if you have not registered for Connect please visit the DES [website \(www.environment.des.qld.gov.au/connect/\)](http://www.environment.des.qld.gov.au/connect/). Alternatively you can access environmental forms online from <https://www.business.qld.gov.au/running-business/environment/licences-permits/forms-fees> and lodge at a DES office.

The application may not be decided until the EA has been issued.

Question 6 – Native title

Please ensure that you have 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	Excluded	No native title process is required as I have determined that 100% of the permits area is exclusive of native title.	<input type="checkbox"/> (Go to Q7)
Option 2	Right to negotiate	Advertising cost required and Right to negotiate submission Wholly within a determined native title claim – No advertising cost required	<input type="checkbox"/> <input type="checkbox"/>
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 Wholly within a determined native title claim – No advertising cost required	<input type="checkbox"/> <input type="checkbox"/>
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: Indigenous Land Use Agreement: South <input type="checkbox"/> or Number:	<input checked="" 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)

Opt in deed for ILUA (Option 3,5,6)

Right to negotiate submission (template available on Departments website)

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?

Exploration & gas well installation occur immediately upon Surface Mining Lease grant. Open cut mining planned post 2030.

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.

Refer to attached IDP

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.

Refer to attached IDP and Attachment C

*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)	<input type="checkbox"/>
Map of permits within project	<input type="checkbox"/>
Coal mining lease - Initial development plan	<input checked="" type="checkbox"/>

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. <input checked="" type="checkbox"/></p> <p>Financial information: Financial capability statement</p> <p>Details of other financial commitments in relation to activity in Queensland</p> <p>Technical information: Technical capability statement</p> <p>Details of other human / technical resource commitments in relation to activity in Queensland</p> <p>Third party declaration (if a third party is providing resources for your program)</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. <input type="checkbox"/></p> <p>Financial information: Financial capability statement</p> <p>Supporting evidence</p> <p>Details of other financial commitments in relation to activity in Queensland</p> <p>Technical information: Technical capability statement</p> <p>Details of other human / technical resource commitments in relation to activity in Queensland</p> <p>Third party declaration (if a third party is providing resources for your program)</p> <p>Supporting evidence</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:	<input type="text" value="Damian Zagel"/>	Signature:	<input type="text" value="D. Zagel"/>
Position:	<input type="text" value="Director"/>	Date:	<input type="text" value="17/07/2024"/>
Company:	<input type="text" value="Stanmore SMC Pty Ltd"/>		

Print name:	<input type="text"/>	Signature:	<input type="text"/>
Position:	<input type="text"/>	Date:	<input type="text"/>
Company:	<input type="text"/>		

Print name:	<input type="text"/>	Signature:	<input type="text"/>
Position:	<input type="text"/>	Date:	<input type="text"/>
Company:	<input type="text"/>		

Print name:	<input type="text"/>	Signature:	<input type="text"/>
Position:	<input type="text"/>	Date:	<input type="text"/>
Company:	<input type="text"/>		

Question 10 – Payment

Permit application	Application fee	Mineral	<input type="checkbox"/>	Coal	<input checked="" 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. Some of this information may be provided to Queensland Treasury, the Scheme Manager under the *Mineral and Energy Resources (Financial Provisioning) Act 2018* (MERFP Act), or any advisors to the Scheme Manager to enable the Scheme Manager to carry out the Scheme Manager’s functions under the MERFP Act. Your personal information will not otherwise be disclosed to any other third party without your consent, unless authorised or required by law.

ML 4750: Additional Surface Area Application No. 9 Initial Development Plan

19th July 2024



Tenure Holder: Stanmore SMC Pty Ltd

Authorised Holder's Representative: Stanmore Resources Limited

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1 Scope of plan

The Development Plan (Plan) addresses the requirements of Chapter 8 - "Provisions of coal seam gas" of the Mineral Resources Act 1989 in respect of the Initial Development Plans for the following Mining Leases (ML) which comprise Stanmore SMC Pty Ltd (SMC) South Walker Creek Mine (SWC).

- ML 4750 (Kemmis Walker)

SMC are applying for an additional surface area of ML 4750 to which this Initial Development Plan applies to.

1.1 Checklist Of Legislative Requirements

Legislative Requirement	Reference
Section 318DT	
(1)(a) an overview of the activities proposed to be carried out under the proposed mining lease during all of its proposed term.	Section 3.1, 6.1, 7.4, 8
(1)(b) for each year of the plan period – All the information relating to (1)(b) must be shown on a year by year basis.	Section 4, 6, 7
(i) the nature and extent of activities proposed to be carried out under the proposed mining lease during the year.	
(ii) where the activities are proposed to be carried out.	Section 6, 7, 8
1(c) for each mineral the applicant proposes to mine under the proposed mining lease – The mineral to be “mined” may include both coal and coal seam gas	Section 4, 5, 7
(i) the location and an estimate of the resources of the mineral in all of the area, or proposed area, of the proposed mining lease.	
(ii) the standards and procedures used to make the estimate	Section 5.2
(iii) the rate and amount of the proposed mining.	Section 7.2
(iv) approximately when the proposed mining is to start.	Section 7.2
(v) a schedule for the proposed mining during the plan period.	Section 7.2
1(d) Maps that show the matters mentioned in paragraphs (b) and (c)(i), (iii) and (iv)	Section 4, 5, 6, 7
1(e) any other information relevant to the criteria mentioned in section 318EF:	Section 10
<ul style="list-style-type: none"> whether the mining of minerals that, under section 234, are sought to be specified in the lease will be optimised in the best interests of the State, having regard to the public interest the CSG assessment criteria (see section 318AP(2)) 	
1(f) reasons why the plan is considered appropriate.	Section 7.1
1(g) another matter prescribed under a regulation.	N/A
Section 318DU	
(1) The proposed plan must state its period.	Section 3.2
Section 318DV	
The proposed plan must include a statement of how the effects on, and the interests of, any relevant overlapping or adjacent petroleum tenure holder have, or have not, been considered, having regard to—	Section 3.5
(a) the main purposes of this chapter; and	
(b) the CSG assessment criteria, other than the initial development plan requirements.	
Section 318DW	
The activities provided for under the proposed plan must seek to optimise the use of incidental coal seam gas in a safe and efficient way if it is commercially and technically feasible to do so	Section 11
Section 318 EA	

Legislative Requirement	Reference
<p>(1) The Minister may approve or refuse to approve the proposed development plan.</p> <p>(2) The matters that must be considered in deciding whether to approve the proposed plan include each of the following—</p> <p>(a) the potential of the area of the proposed mining lease for each of the following (the activities)—</p> <p>(i) mining;</p> <p>(ii) each other purpose for which the lease is sought;</p> <p>(b) the nature and extent of the activities;</p> <p>(c) when and where the activities are proposed to be carried out;</p> <p>(d) whether the mining of minerals that, under section 234, are sought to be specified in the lease will be optimised in the best interests of the State, having regard to the public interest;</p> <p>(e) the CSG assessment criteria.</p>	<p>Section 3, 6, 7, 8, 9, 10</p>
<p>Section 760</p>	
<p>(1) If the coal or oil shale mining lease is a mineral hydrocarbon mining lease, a proposed development plan for the lease lodged under section 758 must –</p> <p>(a) show that the lease holder proposes to commercialise coal seam gas; or</p> <p>(b) include, or be accompanied by, evidence that satisfies the Minister that –</p> <p>(i) the holder has fully investigated the opportunities to commercialise coal seam gas; and</p> <p>(ii) there is no basis to commercialise coal seam gas.</p>	<p>Section 12</p>

2 Executive Summary

Stanmore SMC Pty Ltd is owner and Authorised Holder of the South Walker Creek Mine (SWC).

SWC consists of 3 Mining Leases (ML) 4750, 4751 and 70131 located approximately 44 km Northeast of Moranbah in the Bowen Basin. ML 4750 (Kemmis Walker) covers a large deposit of coal within the Permian Rangal Coal Measures along strike in a northwest – southeast direction and is the main operations of SWC. Within ML 4750, Stanmore also hold the Mineral Hydrocarbon rights. Not all of ML 4750 has surface rights, the southwest portion named ASAA9 (Additional Surface Area Application 9) is the subject of this Initial Development Plan and associated Surface Mining Lease Application.

There are five major coal seams of the Rangal Coal Measures that are mined at SWC: The Main Tops (MT) Seams which splits into MT1 and MT2, and the Main Bottoms (MB) Seams which is made up of the MB and MB2 seams (MB and MT2 merged seams). Only MB2 and MT1 seams exist within the ASAA9 and are the target in this area. These seams within the south-west portion of the tenure also hold substantial amounts of coal seam gas.

The ASAA9 is a future open cut extension of SWC mine and potential distant future underground mine. Mining within ASAA9 is planned for post 2030 subsequently the ASAA9 is required for surface access to conduct the necessary exploration works in sufficient time ahead of mining operations. Exploration is planned to continue throughout the Development Plan period to provide for additional detailed mine planning, through drilling, further resource definition, coal quality and geotechnical analysis, fault delineation and water monitoring.

In addition to this Stanmore wishes to develop an operational gas field to power a 20MW gas fired power station to abate fugitive emissions and provide baseload power to the mine. The new SWC Gas Abatement Project plans to pre-drain the ASAA9 ahead of future mining operations. This project hinges on successful permeability studies through test wells for which access to the area is also required. The targets are MT1, MB2 and HY seams of the Rangal Coal Measures. Upon a successful result, Stanmore will build a 20MW Power Station, supporting infrastructure and install a series of dual lateral wells to supply fuel, progressing from the initial 2 wells up to 13 wells over the planned 15-year lifespan of the project.

This LDP is developed based on the ASAA9 only. ASAA9 will be incorporated into the overall SWC development plan once this Surface Mining Lease Application approved and initial 5-year plan is completed.

This Initial Development Plan is to cover the ASAA9 within ML 4750 for a period of 5 years.

3 Introduction

3.1 Overview of Activities

s318DT(1)(a), s318EA(2)(b)

This initial Development Plan (LDP) describes the development of the ASAA9 within ML 4750 as proposed for the next five (5) year period, being from the date of the ASAA9 Surface Application grant.

Owned and operated by Stanmore SMC Pty Ltd the SWC Mine is located approximately 44 km Northeast of Moranbah in the Queensland Bowen Basin, well serviced by major railway infrastructure and highways.

SWC is a well-established open cut operation that removes overburden using conventional stripping methods to mine the Rangal Coal Measures. SWC currently spans across seven operational opencut pits, and seven undeveloped areas which includes Toolah West (ASAA9).

This LDP is developed based on the ASAA9 area only. ASAA9 will be incorporated into the overall SWC development plan once this Surface Mining Lease Application approved and initial 5-year plan is completed.

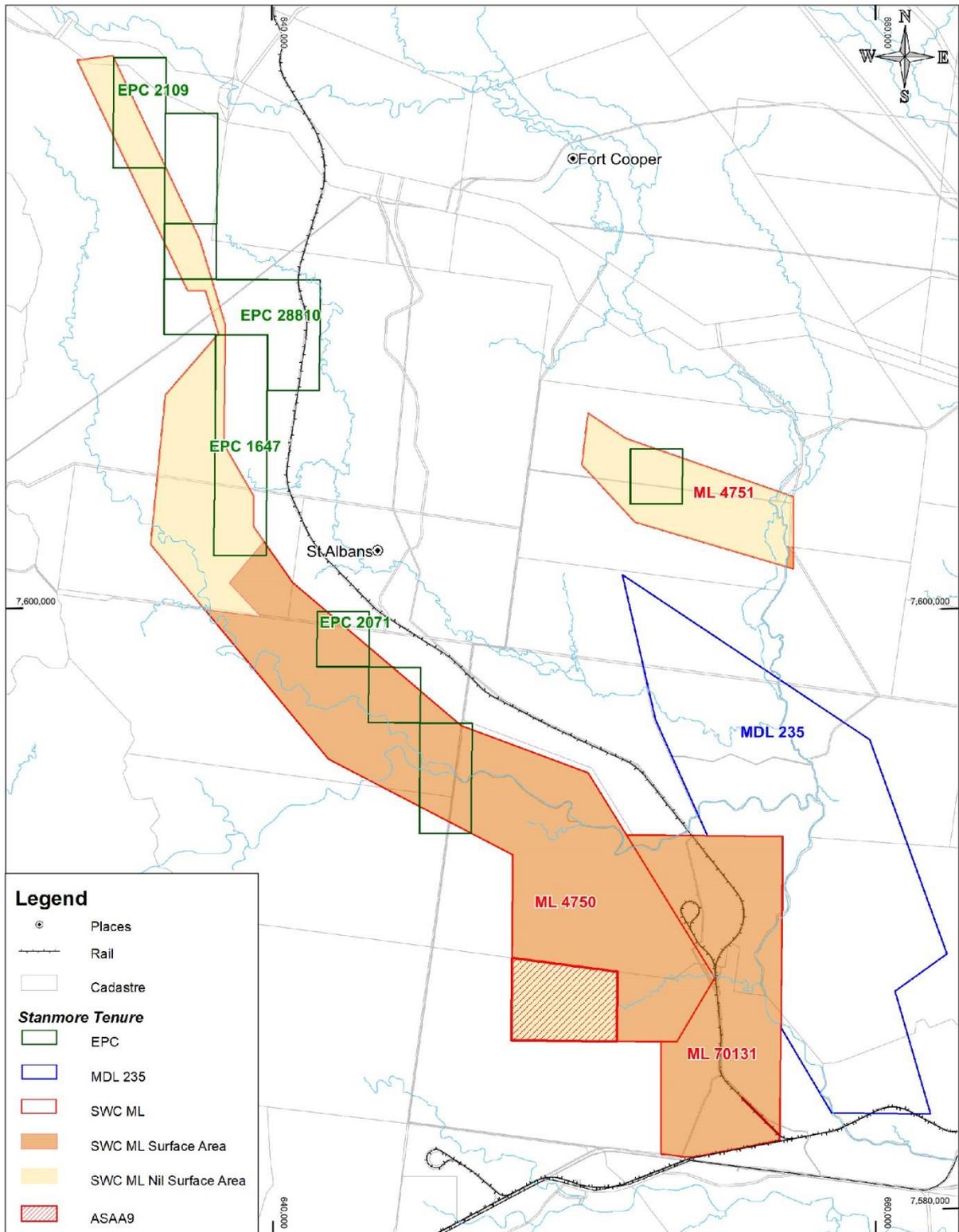
The ASAA9 is a future open cut extension of SWC mine and potential distant future underground mine. The primary purpose for ASAA9 is that Stanmore requires access to the area to conduct the necessary exploration to further define the resource ahead of planned mining post 2030. Through drilling, modelling and resource estimation the required mine planning and scheduling can occur in a timely manner. Within ASAA9 Stanmore will be targeting MT1 and MB2 seams of the Rangal Coal Measures for open cut mining.

Secondly, Stanmore wishes to develop an operational gas field to power a 20MW gas fired power station to abate fugitive emissions and provide baseload power to the mine pending successful permeability testing. The targets are MT1, MB2 and HY seams of the Rangal Coal Measures. A series of dual lateral wells to supply fuel is proposed to be constructed under this plan progressing from the initial 2 wells up to 13 wells over the planned 15-year lifespan of the project. The Associated infrastructure will need to be constructed to support this operation, including roads, drains, gas and water reticulation, power station, power lines and flares.

A location plan of the tenements is provided in **Figure 3-2**, the combined area of the SWC mining leases covers 16,890 hectares (ha) whilst the ASAA9 covers 94.37 Ha.

The term of this LDP is proposed as five years, commencing at the start of the MLA approval.

Figure 3-2: SWC Tenures & Surface Areas



	<p>kilometres Scale 1:160,000</p>	Author: A. Jones	Figure 3-2 South Walker Creek Tenure and Surface Areas
		Date: 16/07/2024 Projection: MGA2020 Zone 55	

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3.2 Plan Period

Section 318DU

The proposed term of this Development Plan for ML 4750 ASAA9 is five (5) years from the date of the ASAA9 grant.

3.3 General Location

s318EA(2)(c)

SWC Mine is located approximately 44 km northeast of Moranbah in the Bowen Basin, within the Central Highlands Council region. With an approximate elevation of 150 m to 200 m above sea level, the area has a sub-tropical continental climate and normally cool and mild dry winters, with warm to hot wet summers. The long-term average annual rainfall at the Moranbah Water Treatment Plant (now closed) as at 2012 is 613 mm, with the summer wet season from December to February contributing half the annual rainfall (BOM, 2024). Mean maximum daily temperatures range from 33.9^o in January to mean daily maximums of 23.6^oC in July (BOM, 2024).

The operations consist of three (3) Mining Leases 4750, 4751 and 70131. The Kemmis Walker lease (ML 4750) contains the main open cut operations, located along a northwest/southeast strike direction of approximately 38 km in length. Tootoolah (ML 70131) is adjacent to ML 4750 in the southeast, and contains the main mine infrastructure, including rail. Bee Creek (ML 4751) is located to the north and is a segregated lease covering a separate deposit of Rangal Coal Measures.

The ASAA9 is located in the southwest portion of ML 4750 and covers the Rangal Coal Measures that are down dip from the current main operations.

3.4 Lease Ownership

Stanmore SMC Pty Ltd is the authorised holder of Mining Lease 4750 Kemmis Walker, one of the 3 leases that make up South Walker Creek Mine. Stanmore SMC Pty Ltd is a wholly owned subsidiary of Stanmore Resources Limited which is a Queensland based coal exploration, project development and coal mining company listed on the Australian Stock Exchange (ASX Company Code – SMR).

The registered office of Stanmore Resources is Level 32, 12 Creek Street, Brisbane, QLD, 4000.

3.5 Tenements

S318DV

South Walker Creek Mine incorporates the following granted Mining Leases; MLs 4750, 4751 and 70131 for a total area of 16,889.79 Hectares. However, this IDP only pertains to ML 4750 ASAA9, with an area of approximately 94.37 Ha refer to Error! Reference source not found.

Several Authorities to Prospect for Petroleum (ATP) and Potential Commercial Areas for Petroleum (PCA) partially overlap ML 4750, however, they are effectively extinguished from the ML 4750 area as ML 4750 retains the gas rights to the land. Overlapping petroleum tenure is provided in **Table 3-2**.

Table 3-1: Tenement Details

Tenure	Tenement Holder	Grant Date	Expiry Date	Status	Area (Ha)
ML 4750	Stanmore SMC Pty Ltd	13 th July 1978	31 st July 2020	Renewal Lodged	11,390.00
ML 4750 ASAA9	Stanmore SMC Pty Ltd	TBA	TBA	Application	94.37

Table 3-2: Petroleum Tenure Details

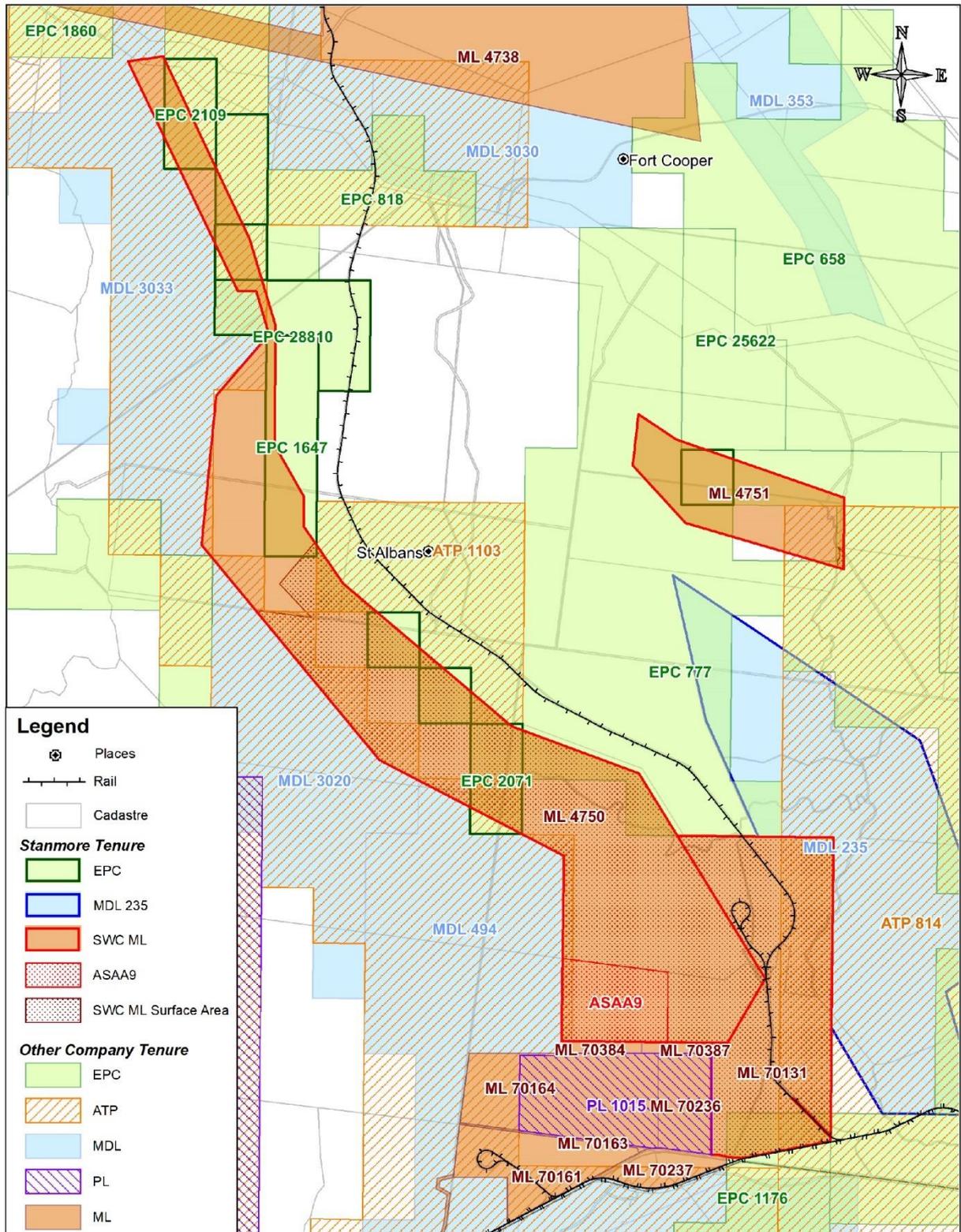
Type	Number	Approval	Expiry	Area (Ha)	Holder	Overlap Comment
ATP	1103	23/12/2010	31/12/2025	359915	AGL Energy Limited (99%), CH4 Pty Ltd (0.7%), Arrow CSG (ATP 364) Pty Ltd (0.3%)	Overlaps the majority of ML4750
PCA	138	19/08/2014	18/08/2029	11 Sub-blocks		Partially overlaps ML 4750
PCA	145	19/08/2014	18/08/2029	33 Sub-blocks		Partially overlaps ML 4750
PCA	140	19/08/2014	18/08/2029	60 Sub-blocks		Overlaps the north of ML 4750

3.1 Plan Period

s318DU

The proposed term of this Development Plan for SWC Mine is five (5) years from the commencement of the Surface Lease Grant.

Figure 3-3: Tenure Overlap Plan



	 Scale 1:160,000	Author: A. Jones	<p>Figure 3-3 South Walker Creek Surrounding Tenures</p>
		Date: 26/06/2024	
Projection: MGA2020 Zone 55			

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4 General Geological Description

s318DT(1)(b), s318DT(1)(c)

4.1 Geological setting

The South Walker Creek Mine is in the northern part of the Permo-Triassic Bowen Basin which principally contains strata that is fluvial in origin. Minor marine sediments are also present throughout the sequence (refer to **Figure 4-3**). The Bowen Basin is part of a connected group of Permo-Triassic basins in eastern Australia, which includes the Sydney and Gunnedah Basins. The greater SWC deposit is situated within the Nebo Synclinorium on the eastern flank of the Carborough Syncline.

4.2 Stratigraphy

The main economic seams within the greater Kemmis/South Walker Creek areas are contained in the Late Permian Rangal Coal Measures which are approximately 150m thick. The Rangal Coal Measures (RCM) are overlain by Rewan Group and underlain the Fort Cooper Coal Measures (FCCM).

In addition to RCM, the most prospective seam of the Moranbah Coal Measure (MCM) is also contained in the north-eastern corner of ML 70131 "Tootoolah".

4.3 Structure

Development of the basin (containing the South Walker Creek economic coal seams) in the Early Permian was in the form of half-graben which subsequently became areas of regional crustal sag. Variations in depositional patterns and deformation styles occur along strike suggest the possibility of NE trending deep seated crustal transfer faults which has been interpreted as a transfer corridor.

4.4 Coal Seams

Within the Kemmis/South Walker Creek area, the principal economic seam is the Main Seam that splits to the north and south into Main Tops (MT) and Main Bottoms (MB). The Main Seam is equivalent of the Leichhardt Seam, with the MB2 ply combination the equivalent of the Elphinstone Seam. The Main Seam extends over 2km in strike length in the southern part of the deposit and comprises 10m of mainly dull to dull banded coal with minor mudstone partings. The underlying Hynds Seam (also known as the Vermont Seam) in the Kemmis/South Walker Creek area has deteriorated to a sub economic banded seam.

Figure 4-1: SWC Mine – Schematic Stratigraphic Section

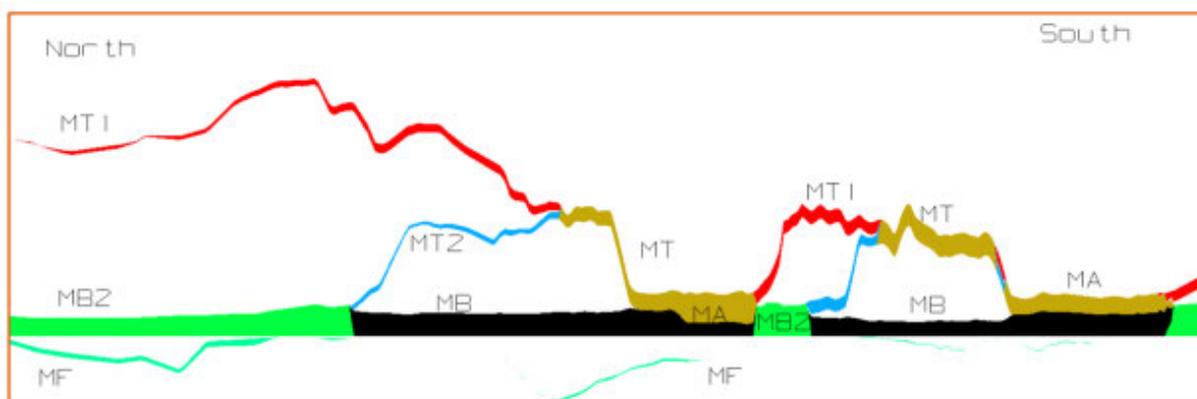


Figure 4-2: SWC Seam Stratigraphy

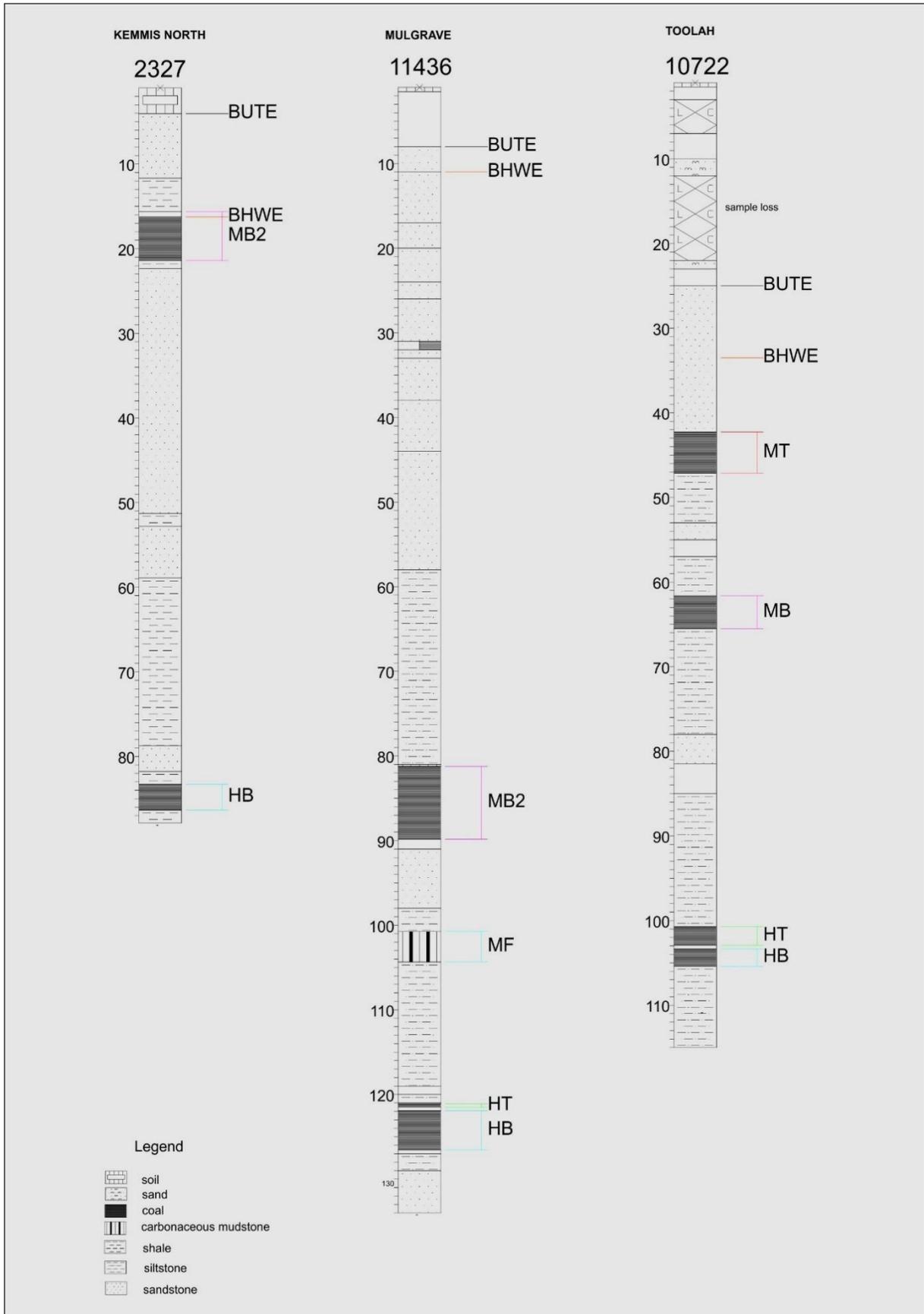
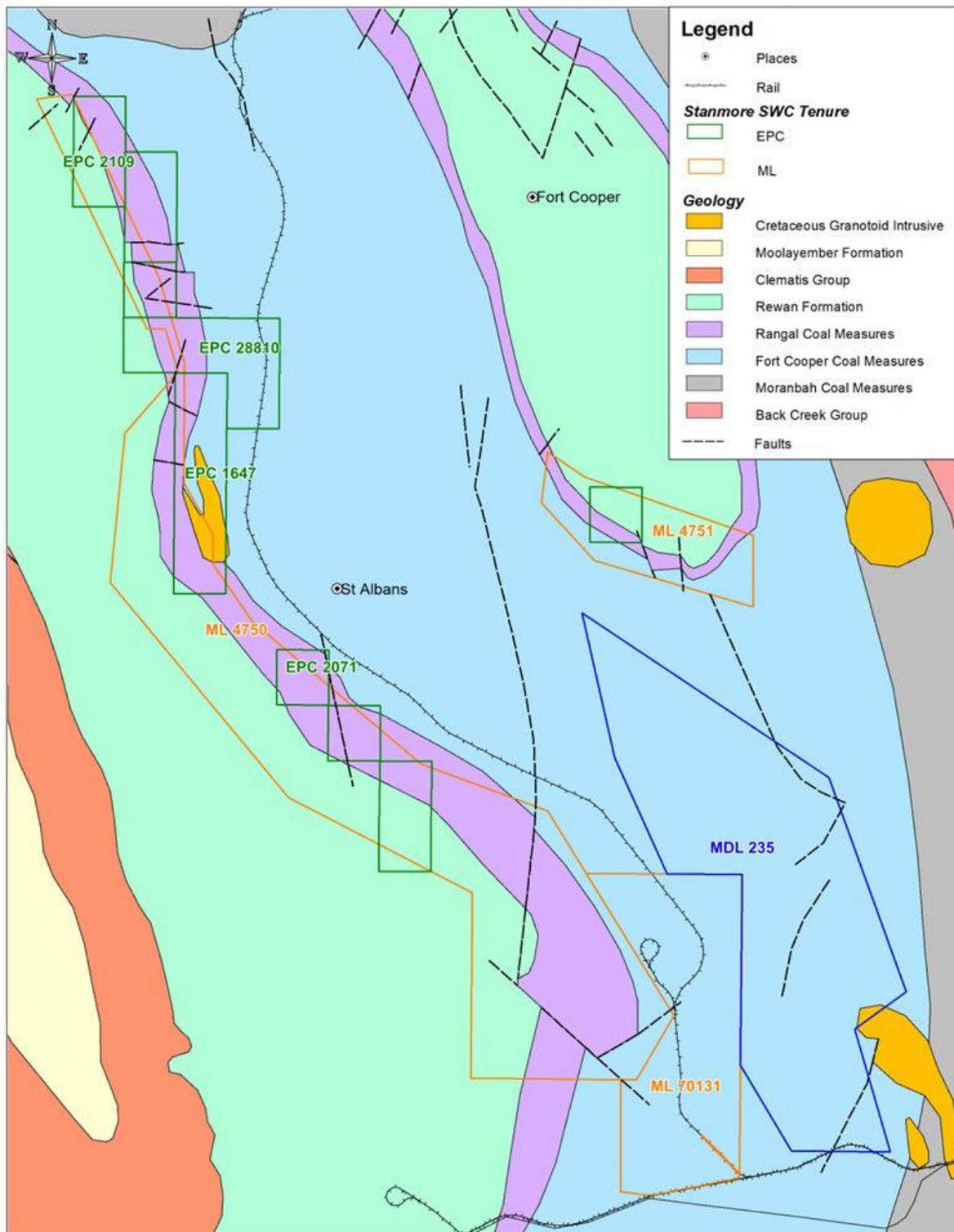


Figure 4-3: Regional Bowen Basin Solid Geology



	 Scale 1:160,000	Author: A. Jones	South Walker Creek & Nebo West Projects: Solid Geology
		Date: 8/11/2023 Projection: MGA2020 Zone 55	

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5 Resource and Reserves

s318DT(1)(c), s318DT(1)(d)

5.1 Resources & Reserves Statement

5.1.1 Coal

The estimates of the Coal Resources and Reserves in the seams of the Rangal Coal Measures reported in this Initial Development Plan are considered to be a true reflection of the coal resources and reserves as at 31st December 2023. The estimates have been carried out in accordance with the principles and guidelines of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves published in December 2012 (The JORC Code). Stanmore Resources Limited subscribes to the reporting of coal resources and coal reserves in accordance with JORC reporting requirements, which set out the minimum standards, recommendations and guidelines for public reporting of exploration results, resources and reserves.

5.1.2 Gas

The estimates of the Gas Resources in the seams of the Rangal Coal Measures reported in this Initial Development Plan are considered to be a true reflection of the gas reservoir as at 3rd September 2023.

5.2 Method of Resource Estimation

s318DT(1)(c)(ii)

5.2.1 Coal

5.2.1.1 Database Integrity

The structural data used for building the geological structural model includes the drilling data contained within Vulcan ISIS drillhole databases, surveyed surfaces used in the geological model (roof or floor survey pickups in the operating assets), 3D-seismic data and fault strings used to describe the toe and crest of fault/coal seam intersections. Borehole data for each site is stored within Plexer geological databases. Geological modelling does not directly source data from the Plexer database but from database exports that are uploaded into Vulcan ISIS databases.

5.2.1.2 Estimation & Modelling Technique

Geological modelling is undertaken at both the ply and parent seam (merge unit) level with the modelled plies and splitting relationships defined in the horizon list (glob file).

The modelling procedures are documented, and modelling steps are retained in scripts and specification files, which enables repetition of the modelling procedures.

The generic modelling process involves:

- Generation of “mapfiles”; Vulcan text files that record the location and attributes of stratigraphic units being modelled,
- Interpolation of stratigraphic units into new mapfiles that interpolates missing stratigraphic units in boreholes,
- Modelling of horizons, such as topography and weathering,

- Creation of grid models, applying faulting and clipping (masked) to models against seam limits and base of weathering.

Multiple grid sets are produced by Stanmore and include ply and parent seam grids, including unmasked grids, faulted grids, and masked grids (the “final” set being faulted grids masked to weathering and seam limits).

Visual checks of model accuracy are carried out in each stage in the development of the various structural model scripts by the use of borehole graphics cross-sections (comparing seam and model locations). Checks of the effectiveness of the use of fault and survey data are made by comparing contours of surveyed seam floor with model seam floor. Seam thicknesses are controlled by limit strings or masking rules. Outside the limit string the seam thicknesses are set to zero. One of the more thorough quality assurance mechanisms is the comparison of the calculated vertical in-situ ratios from model to model.

The structural models are subjected to internal peer review, including validation checks to provide levels of assurance of the model outputs. A “dossier” of the model outputs records all the levels of validations and checking undertaken, including a handover checklist and comparison of the new and former model through a reconciliation.

In addition to the seams, the three main surfaces that are included in the geological models are the topography surface, the base of weathering and the base of Tertiary sediments.

5.2.1.3 Coal Quality Model

Numerous coal quality parameters are included in the geological models produced in SWC geological models. The coal quality data is stored in ISIS drillhole databases constructed from Plexer exports and from LIMN simulation spreadsheet compilations.

The coal qualities include those that describe raw coal, clean coal composite and LIMN- modelling yields at set cut-points and target ashes. In each of those datasets, compositing ply or full seam values (where required) is completed within Vulcan software with appropriate weighting variables; some gridded variables are calculated or are generated using a look up script.

The set of modelled coal quality variables is comprehensive and only a small subset of the variables is needed in this Resource estimate. The coal quality models have the same lateral extent as the structural models and were generated on a 50 m cell size. The gridding interpolator used is inverse distance, to the power of one.

Washability grids are produced for seams from LIMN modelling, which has been undertaken for most coal quality holes in the dataset. These include yield and product ash grids at fixed target ash, and six cut-point densities.

The set of coal products yielded by each seam, and the options available with different washing strategies are well understood at site, and this set of grids can be used to inform mine plans of product yields.

5.2.2 Gas

5.2.2.1 Database Integrity & Gas Content

To enable assessment of Gas In Place (GIP) and to facilitate gas production modelling, the target area is broken up into reservoir regions (“RRs”), each region being assigned average properties. Reservoir regions for the MB seam are primarily based on seam splitting. Secondary divisions are made to accommodate gas domain boundaries and changing depth of cover.

Data has been gathered by drilling conducted previously by BMC and gas testing by GeoGAS Pty Ltd. Within the SWC leases, it is covered in GeoGAS reports 2005-353, 2008-508, 2013-1050 and publicly available gas content data (GeoGAS) to the immediate west of the SWC leases are also used.

The GeoGAS tests were undertaken by the fast desorption method where the major gas component is mostly (but not always) **Q3**. At the end of crushing, gas (in this case CH₄) still remains adsorbed within the crushed coal in the crushing vessel, depending upon the CH₄ concentration at the end of crushing. If the gas concentration in the crushing vessel is high enough, one atmosphere of CH₄ can remain adsorbed in the coal. This retained gas (known as **Q3'**) is calculated from the partial pressure of gas in the crushing vessel and the adsorption isotherm at the temperature within the vessel when the test ceases. The absolute gas content **Qt = Qm + Q3'**. **Qt** is used in this study.

The approach adopted has been to assess the effect on gas content of depth (and reduced level RL) and ash. Resulting equations and standard deviations enable the indirect calculation of gas content using coal quality parameters (depth, RL, ash) and the associated uncertainty. This enables a more detailed assessment based upon the larger quantity of coal quality data.

Normally, the relationship between gas content, depth and ash (or RD) is assessed. In this case, coal quality data from the Vulcan model output referenced RL (height in metres above mean sea level) rather than depth below the land surface. Consequently, RL rather than depth is used in final compilations for the MB seam.

Working with RL, the test results were split into “High Gas Domain” and “Low Gas Domain” based on the regression line in the Gas Content and Reduced Level plot, refer to **Attachment A**.

5.2.2.2 Gas Quality & Permeability

The best indication of gas quality is provided by the ratio CH₄/CH₄+CO₂. It averages 99% CH₄ and 1% CO₂. In normal GeoGAS gas content testing for mining operations, gas composition is affected by coal oxidation during the testing process, resulting in excess air-free N₂. To counter this effect, GeoGAS undertake additional sampling in an inert gas atmosphere to better assess the true, air-free N₂ concentration.

This treatment covers permeability data sourced from within SWC leases and those to the west from open source reports. Within the SWC leases, five boreholes have been tested for permeability within a tight area (a ~350 m square). These boreholes are the precursors to a tight radius drilling (TRD) program in the MB seam. With the exception of one set of tests, all permeability results were presented in summary form in open source reports. The majority of tests were carried out by essentially the same company (Casey and Associates and derivatives Stratatek and Kamenar and Associates). The MB and HY seams are essentially gas saturated. As such, injection fall off tests (IFT) are the most applicable as draw down/build up tests are likely to suffer lower results from two phase

flow effects. Tests carried out by Casey were both “build up” and IFT and the tester preferred to go with the “build up” results.

The permeability in the south of SWC’s ML is probably quite reasonable (~10 mD) as indicated by the values in SW002 and SW003. Also, data for these boreholes shows good permeability 6~8 mD occurs in relatively deep coal 200 m.

For full descriptions see **Attachment A**.

5.3 Resource Limits

s318DT(1)(c)(ii)

5.3.1 Coal

The lateral and vertical extents of the coal seams have been defined in the geological model for each seam. These include LOX line limits and parent/splits seam limits.

SWC is operating open cut mine. A minimum coal seam thickness of 0.3 m for open cut Resource has been used, consistent with the reserving limits.

Resources have been estimated inside and outside of the LOM open cut pit extents. Outside of these extents, coal seams may be extracted by either extension of pit limits (due to changing economic circumstances or may be available for auger or forms of underground mining. Stripping ratios have not been used to define open cut Resources.

Coal Resources have been restricted to areas of current tenure and no offsets from tenement boundaries, LOX lines or faults has been applied.

An upper limit of 35% raw ash % (ad) was applied to all seams except for MBBC where 45% raw ash was used. The increase for this horizon is due to the likelihood of this seam being mined within the working sections that exists in this area. The HB Seam was limited to the Northern (N25) model due to unfavourable coal quality and interburden thickness in the southern (T10) model.

Coal Resource tonnes have been estimated to an in-situ moisture (Mis) basis utilising the $Mis = 1.431 \times MHC_{high} + 0.348$. The in-situ density (RDis) has been calculated from the analysed relative density (RDad) (tested in the laboratory), the inherent moisture (Mad) and the calculated in-situ moisture using the Preston-Sanders equation.

Maximum depth was not applied. The resource is considered to be recoverable in all areas within the tenement

5.3.2 Gas

The gas resource limits are bound by the drilling data available. Further drilling is required to acquire a greater understanding and confidence in the resources contained within. This is the subject of gaining access to the ML surface to drill the holes required to completely sure up the resources for gas extraction to the power plant.

5.4 Coal Resource Tonnage & Gas Reservoir

s318DT(1)(c)(i)

5.4.1 Coal Resources

The latest JORC Resource Estimate for SWC has been completed by the Stanmore Technical Team as at 31st December 2023, summarised in **Table 5-1**. The Resource has been calculated for all of ML 4750, inclusive of the ASAA9. However, to date only the MB2 and MT1 seams have been calculated as Indicated and Inferred within the ASAA9 which is a portion of the below resource. This is shown in **Figure 5-1 & Figure 5-2** below.

Table 5-1: Total JORC Resource Estimate as at 31st December 2023

Mine	Measured (Mt)	Indicated (Mt)	Inferred (Mt)	Total (Mt)
SWC	265	307	199	678

Geological cross sections through the ASAA9 are provided in **Figures 5-3 to 5-6**.

Figure 5-1: MB2 Seam JORC Resource

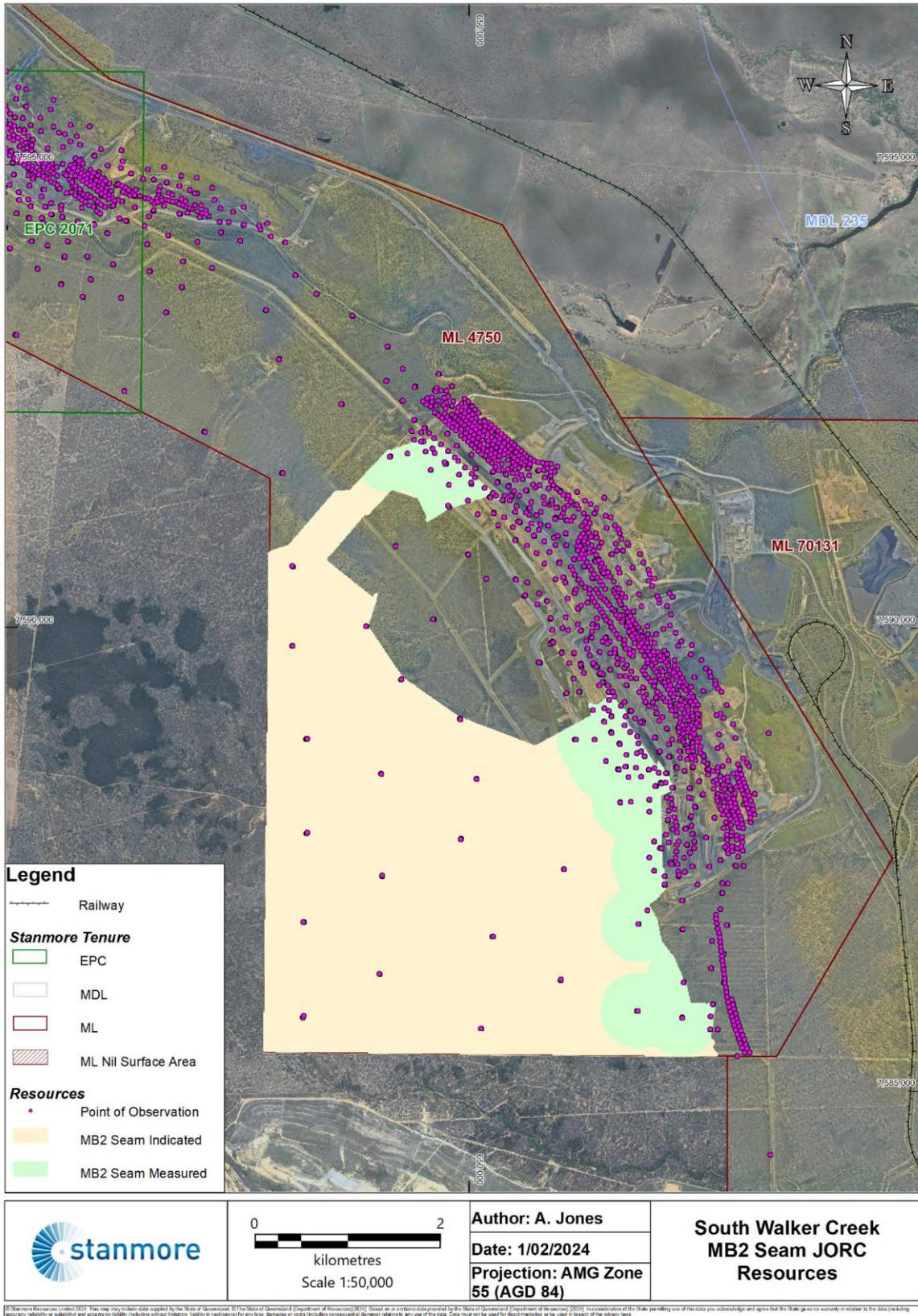


Figure 5-2: MT1 Seam JORC Resource

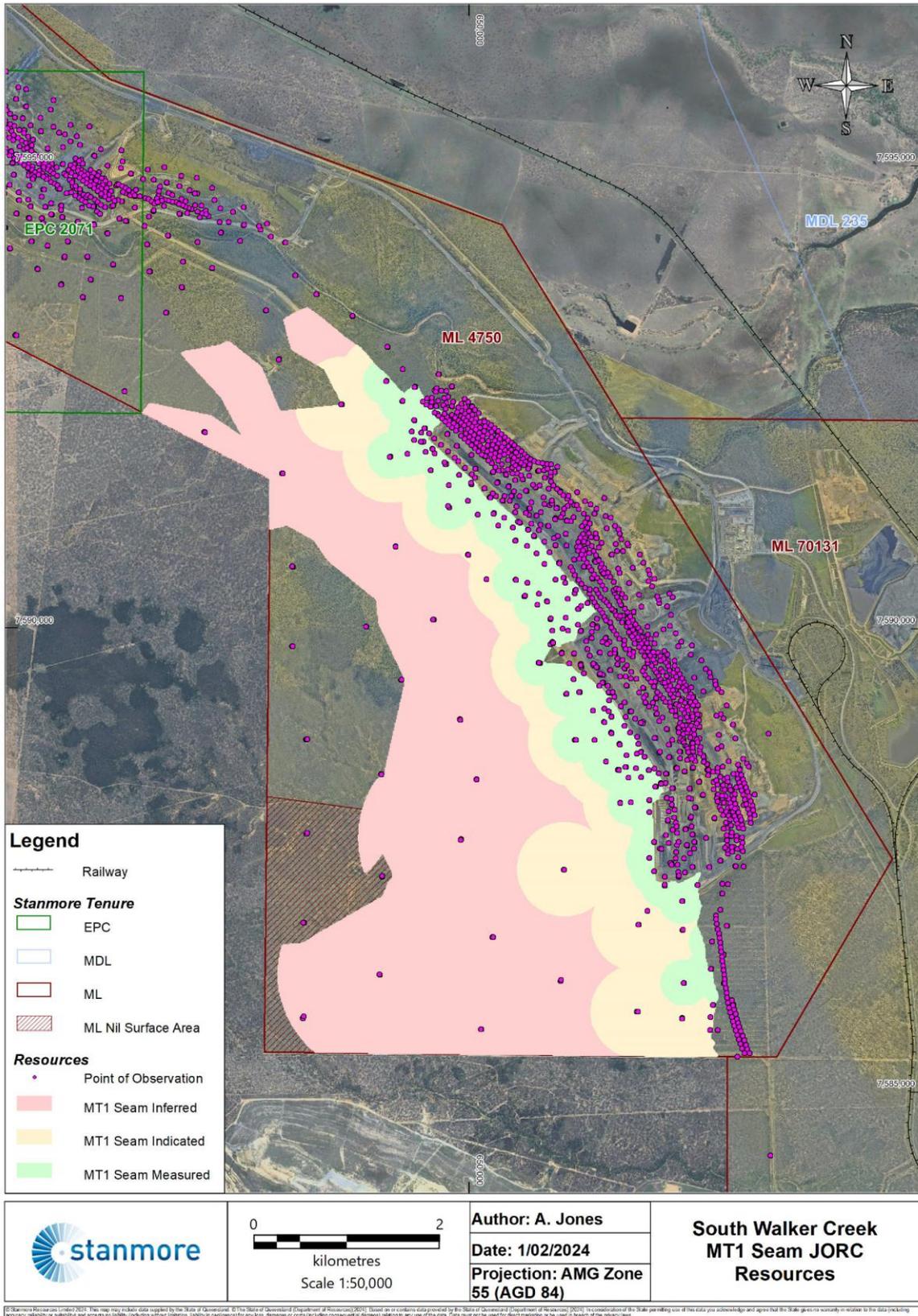
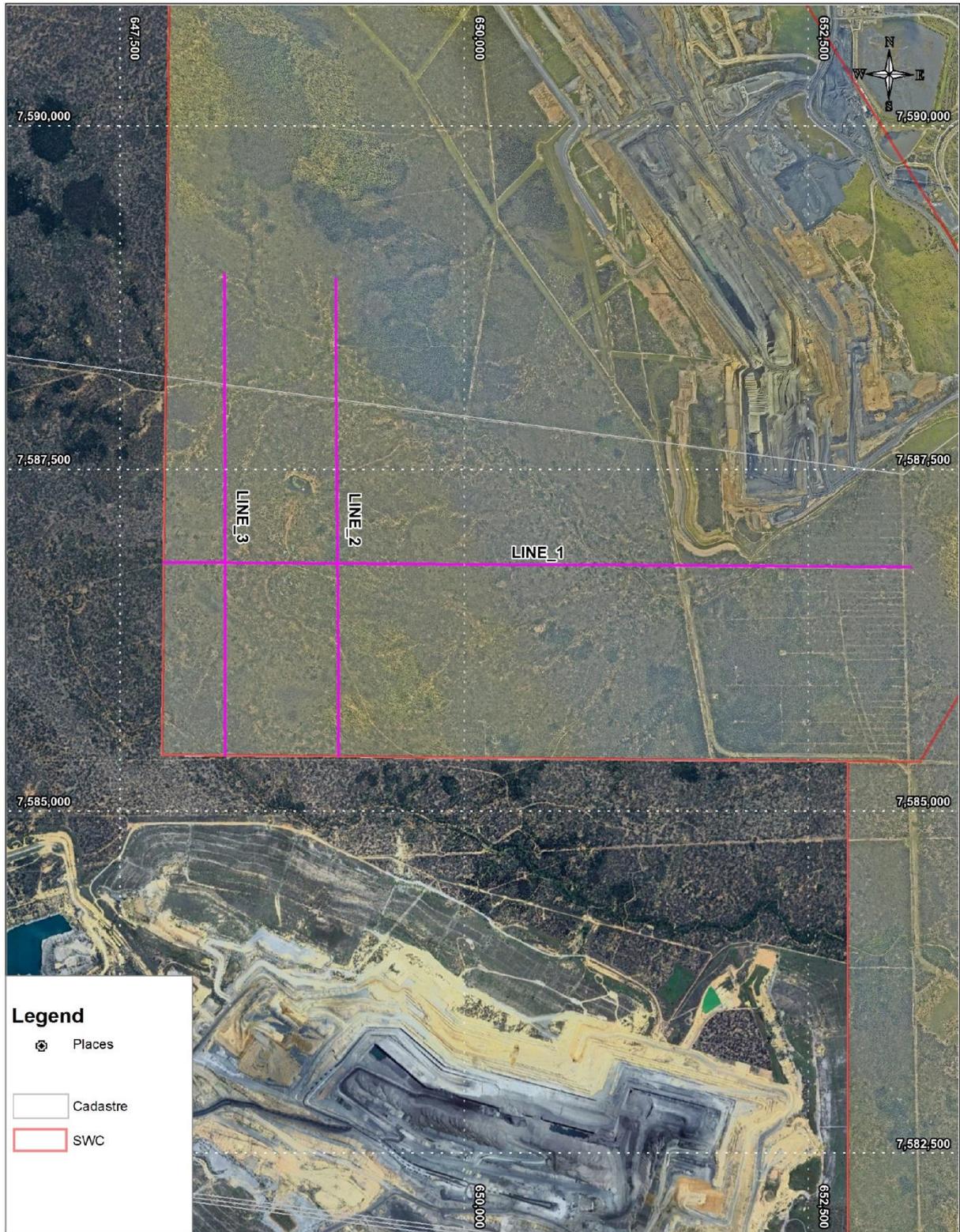


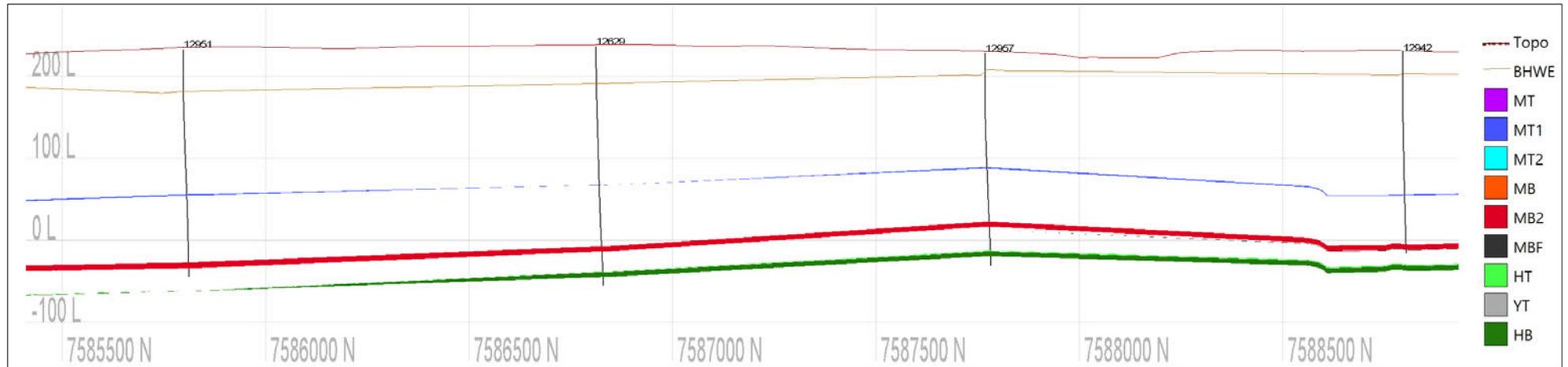
Figure 5-3: Cross Section Location



	 Scale 1:35,000	Author: A. Jones	<p>Figure 5-3</p> SWC: Cross Section Locations
		Date: 26/06/2024 Projection: AMG Zone 55 (AGD 84)	

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Figure 5-6: Cross Section 3



5.4.2 Gas Reservoir

5.4.2.1 MB Seam

Apart from seam split lines where seam thickness changes abruptly, changes in other reservoir parameters are gradual. To enable assessment of GIP and to facilitate gas production modelling, the target area is broken up into reservoir regions (“RRs”), each region being assigned average properties. Reservoir regions for the MB seam are primarily based on seam splitting. Secondary divisions are made to accommodate gas domain boundaries and changing depth of cover.

There are 13 RRs in the MB seam and one RR in the MT1 seam which splits off the top of the MB seam (Figure 5-7).

The total GIP for the MB seam is **230 PJ CH₄** with a CH₄ concentration of 99%. Refer to **Table 5-2**.

Figure 5-7: Reservoir Regions MB Seam

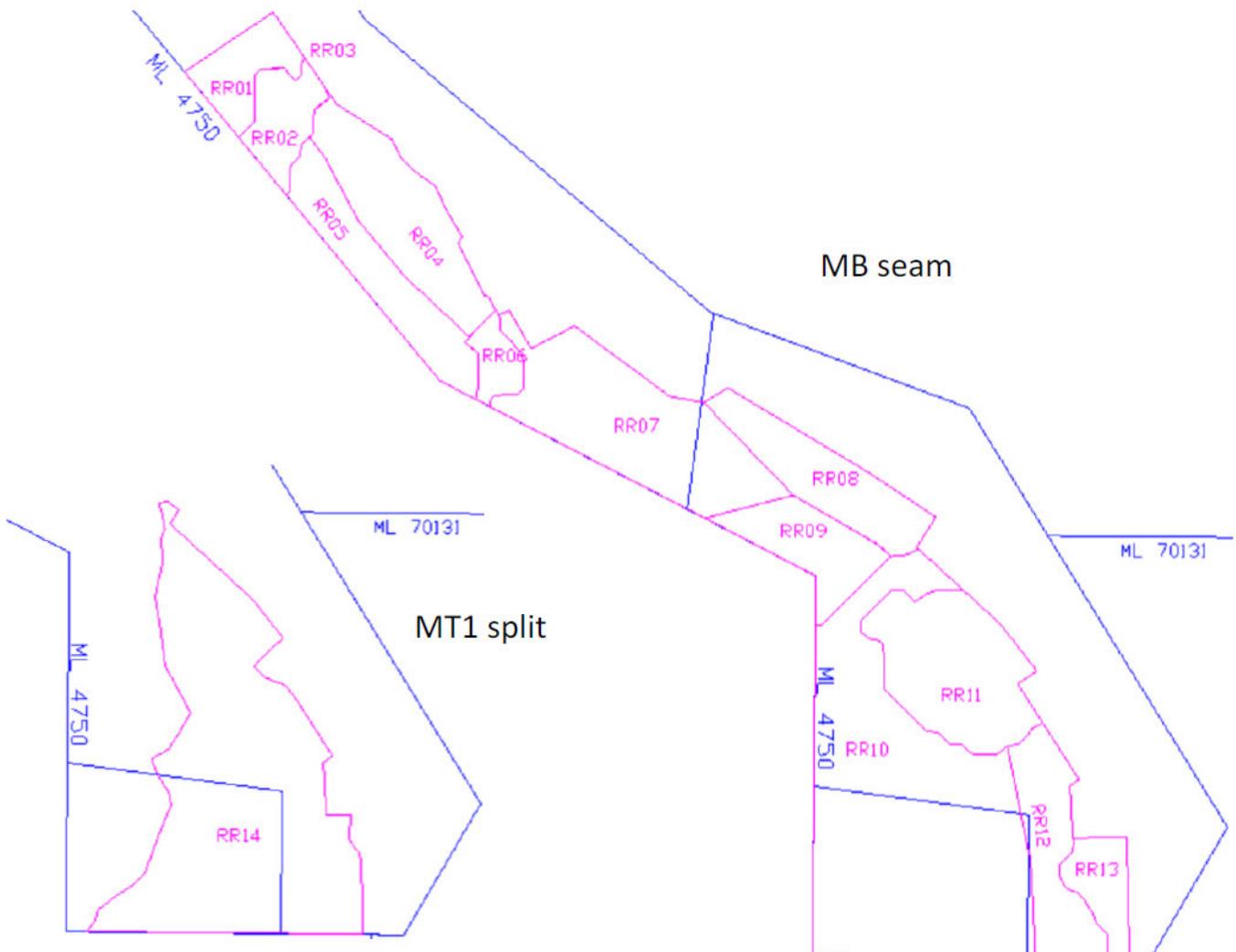


Table 5-2: Reservoir Region Properties MB Seam

Reservoir Region (RR)	Seam	Area (m ²)	RD (g/cc)	Ash (%)	Reduced Level Top of Seam (m)	Average Depth (m)	Reservoir Temperature (DegC)	LP (kPa Abs)	LV (m3/t) - at RR Temp & Ash	Gas Domain (H or L)	Qt (m3/t) - at RR Ash	GIP (PJ)	Est Depth to Top Water (m)	Pore Pressure (kPa Abs)	Gas Sorption Capacity (m3/t)	Gas Saturation (%)	Desorption Pressure (kPa DesP)	Permeability (mD) - A	Permeability (mD) - B	Seam Thickness (m)				
01	MBA	1718440	1.61	33.6	131.7	97.3	29.0	1905	23.15	L	5.58	1.7	20	859	7.2	78	605	27	10	2.85				
02	MBAC	1667202	1.59	30.1	116.4	110.2	29.2	1905	24.21	L	6.61	2.7	20	986	8.3	80	715	19	9	4.07				
03	MBDE	3385642	1.47	18.4	106.5	118.6	29.4	1905	28.27	L	8.40	4.5	20	1068	10.2	83	806	16	9	2.84				
04	MB	4342583	1.47	18.9	128.9	99.6	29.0	1905	28.69	H	9.83	16.3	9	990	9.8	100	993	25	10	6.86				
05	MB	3301833	1.47	18.5	86.2	135.7	29.7	1905	27.78	L	9.21	11.5	20	1236	10.9	84	944	10	7	6.77				
06	MB2	854096	1.46	17.6	138.9	91.2	28.9	1905	29.34	H	9.64	4.3	6	937	9.7	100	932	31	11	9.45				
07	MB2D	6935206	1.47	16.3	128.4	100.1	29.0	1905	29.67	H	10.25	27.8	20	887	9.4	109	1006	25	10	7.05				
08	MB2D	3311456	1.48	16.2	124.1	103.7	29.1	1905	29.55	L	7.98	8.5	20	923	9.6	83	704	23	10	5.73				
09	MB2D	2473609	1.49	18.4	54.5	162.6	30.2	1905	27.05	H	12.82	10.2	0	1696	12.7	101	1716	5	6	5.68				
10	MB2	15419495	1.47	16.5	20.4	191.4	30.8	1905	30.80	H	14.44	81.1	20	1783	14.9	97	1681	2	5	6.55				
11	MB	5174107	1.48	16.5	41.3	173.7	30.4	1905	27.41	H	13.62	23.1	0	1806	13.3	102	1883	4	5	5.87				
12	MB2	3080403	1.47	15.5	81.8	139.5	29.8	1905	28.71	L	9.74	12.2	20	1273	11.5	85	979	9	7	7.32				
13	MB	1430042	1.49	18.8	131.8	97.2	29.0	1905	28.73	L	7.35	2.8	20	858	8.9	82	655	27	10	4.78				
14	MT1	15524950	1.52	21.7	99.3	124.7	29.5	1905	26.91	H	10.54	23.5	20	1128	10.0	105	1228	13	8	2.50				
Total GIP												230	PJ											

5.4.2.2 HY Seam

For the HY seam, depth, thickness, ash and RD were distilled from file *swc_jan2022_cqI_raw.csv* and saved as *swc_CQ_raw.xlsx*.

Because of the seams inferior coal properties (Table 1), data on the HY seam are relatively few so no attempt has been made to segregate the seam into “reservoir regions”. Using the depth/ash gas content relationship for the particular gas domain, the gas reservoir size (GRS) for each borehole has been calculated (Table 5-3).

Similar to the MB seam, the HY seam GRS is greatest in the southern half of the target area (Figure 18), averaging 113 m³/m² and ranging from 8.6 m³/m² in the northwest to a maximum of 232 m³/m². This equates to a GIP of 5640 Mm³ total gas or **213 PJ CH₄**. (Figure 5-8).

Figure 5-8: HY Seam GRS

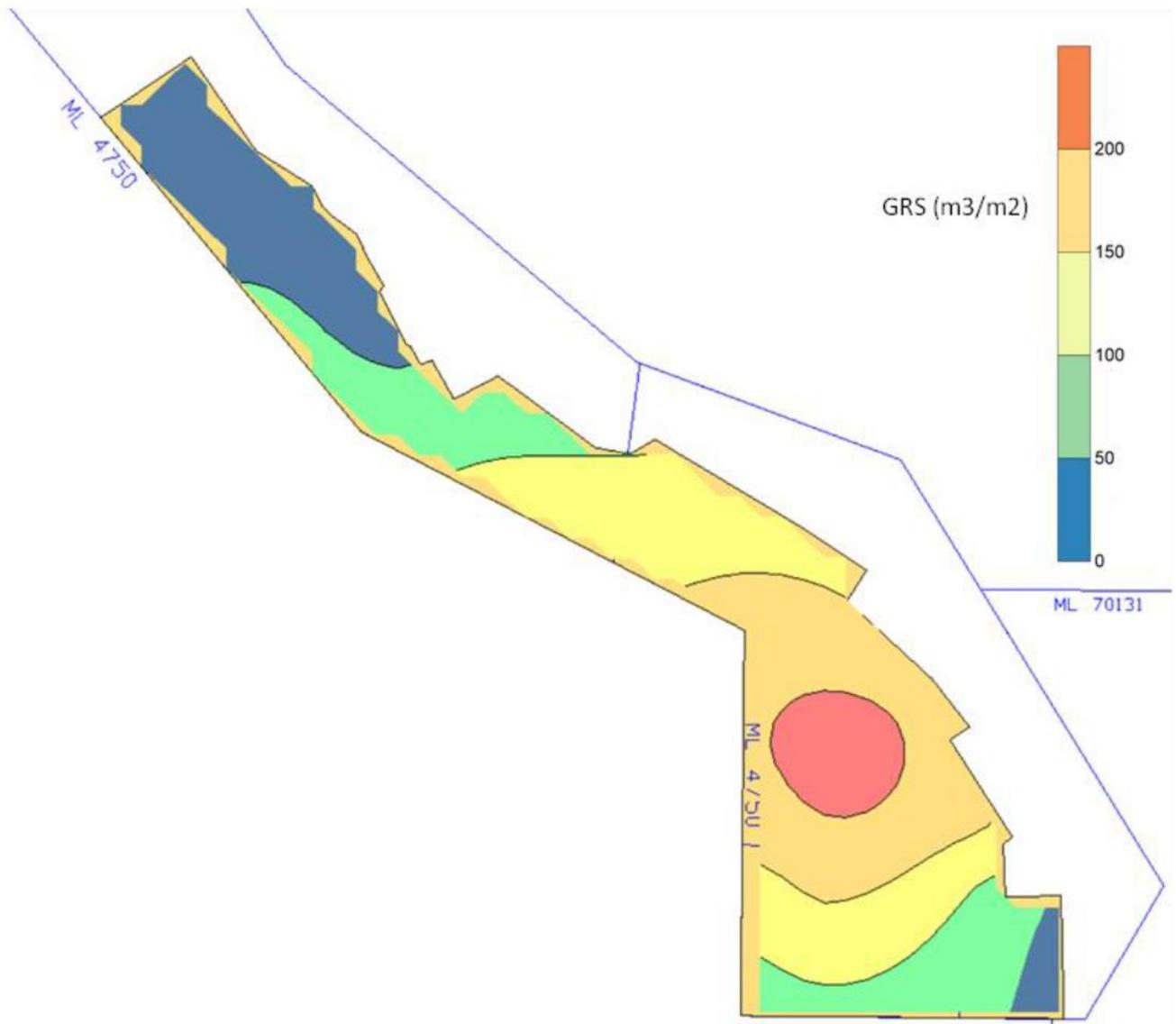


Table 5-3: Gas Reservoir for Boreholes in the HY Seam

Borehole	Depth From (m)	Depth To (m)	Avg Depth (m)	Thickness (m)	Ash %	RD (g/cc)	Qt (m3/t)	Gas Domain (H or L)	GRS (m3/m2)
2330	40.08	43.08	41.6	3.00	29.6	1.60	3.0	L	14.3
2668	30.18	31.45	30.8	1.27	43.1	1.76	0.9	L	2.0
2734	38.03	39.83	38.9	1.80	37.6	1.69	5.0	H	15.3
2755	56.11	57.91	57.0	1.80	41.5	1.74	7.2	H	22.6
2804	28.68	31.04	29.9	2.36	21.8	1.51	1.2	L	4.2
2809	60.6	61.57	61.1	0.97	38.7	1.70	5.1	L	8.4
2939	41.15	43.49	42.3	2.34	25.3	1.55	3.2	L	11.5
2943	44.81	46.69	45.8	1.88	22.4	1.52	3.7	L	10.6
2956	29.49	32.85	31.2	3.36	27.0	1.57	1.3	L	7.0
2959	28.35	32.21	30.3	3.86	30.6	1.61	1.1	L	6.6
2964	32	33.65	32.8	1.65	24.5	1.54	1.7	L	4.3
2966	22.56	24.08	23.3	1.52	30.0	1.60	0.0	L	0.0
3001	42.68	44.2	43.4	1.52	43.0	1.76	2.9	L	7.8
3044	36.88	39.45	38.2	2.57	41.5	1.74	2.2	L	9.8
3060	25.3	32	28.7	6.23	33.0	1.63	0.7	L	6.9
9477	64.01	68.04	66.0	4.03	38.3	1.68	5.5	L	37.6
9728	79.67	86.45	83.1	6.78	43.7	1.72	9.4	H	109.4
9747	93.37	98.8	96.1	5.43	36.5	1.65	10.2	H	91.4
11140	60.24	62.52	61.4	2.28	41.0	1.67	7.6	H	29.1
11142	137.32	139.8	138.6	2.48	36.5	1.61	10.0	L	39.9
11228	100.37	104.08	102.2	3.71	45.9	1.76	8.0	L	52.1
11279	97.9	100.77	99.3	2.87	43.3	1.69	7.9	L	38.3
11281	59	62.63	60.8	3.14	41.6	1.71	5.0	L	26.7
12459	281.49	289.54	285.5	8.05	44.8	1.80	16.5	H	238.0
12629	278.71	282.34	280.5	3.63	38.9	1.74	16.4	H	103.7
12636	257.62	263.22	260.4	5.60	42.9	1.75	15.9	H	156.0
12936	264.14	270.35	267.2	6.22	41.6	1.77	16.1	H	177.4
12957	244.86	250.39	247.6	5.53	43.1	1.74	15.6	H	150.1
140040	110.01	110.51	110.3	0.50	20.0	1.45	9.0	L	6.5
141132	105.91	110.34	108.1	4.43	32.3	1.62	10.9	H	78.4
141170	160.84	167.12	164.0	6.28	41.8	1.73	13.3	H	144.5
141182	105.64	109.95	107.8	4.31	36.6	1.68	10.9	H	79.0
141199	107.37	109.9	108.6	2.53	31.7	1.62	8.7	L	35.6
141238	166.79	173.72	170.3	6.93	39.7	1.72	11.2	L	132.9
141248	114.55	120.44	117.5	5.89	38.1	1.70	11.4	H	114.0
141259	173.33	177.62	175.5	4.29	35.4	1.65	11.5	L	80.9
141261	176.25	183.33	179.8	7.08	43.6	1.78	11.4	L	143.5
141312	109.67	112.01	110.8	2.34	47.3	1.80	8.4	L	35.6
141313	108.57	110.8	109.7	2.23	45.0	1.76	8.4	L	33.0
141319	116.78	118.77	117.8	0.86	65.0	2.11	8.4	L	15.2
141320	115.44	117.55	116.5	1.53	69.4	2.23	8.2	L	28.1
141323	123.2	123.86	123.5	0.66	47.5	1.85	9.1	L	11.1
141332	118.25	122.63	120.4	4.38	36.9	1.67	9.2	L	67.1
141346	182.9	190.07	186.5	7.17	43.1	1.77	14.0	H	177.5
141349	174.92	181.59	178.3	6.67	43.3	1.81	13.8	H	165.8
141155_R01	75.83	78.95	77.4	3.12	76.4	2.31	5.6	L	40.5
SW003	226.27	231.45	228.9	5.18	39.6	1.72	15.2	H	135.0
SW002	253.93	259.79	256.9	5.86	37.3	1.69	13.7	L	135.3
SW004	271.84	275.27	273.6	3.43	45.2	1.79	13.9	L	85.1

5.5 Raw Coal Quality

The coal at South Walker Creek is low volatile bituminous coal rank with average volatile matter (daf) % of 17.2 % and mean maximum vitrinite reflectance of 1.8 % Romax. The rank of the coal decreases northwards with volatile matter changing from 16 % (daf) to 21% (daf) in the northernmost bores.

The Main Seam is characterised by raw ash in the mid- to high teens and low volatile matter (**Table 5-4**). The total sulphur content of the splits is low to moderate, and the coal is soft to mill with a Hardgrove Grindability Index in the mid-80's. Calorific value of the coal is high, consistent with PCI coals of this rank.

The phosphorus content of the raw coal is moderate to high, and coincides with elevated fluorine in the coal, due to the occurrence of both elements in fluorapatite.

The Hynds seam consists of high ash coals that are not presently mined due to interbedding with stone and tuffaceous beds. The other raw coal properties are these seams are reflective of the high ash content e.g. low calorific value.

Table 5-4: Average Raw Coal Quality by Seam

SEAM	MOISTURE % (AD)	ASH % (AD)	VOLATILE MATTER % (AD)	TOTAL SULPHUR % (AD)	PHOS. % (AD)	HGI	CALORIFIC VALUE (KCAL/KG) (AD)
MB	1.49	17.24	13.66	0.71	0.11	81.95	6793.69
MB2	1.46	17.12	13.67	0.62	0.10	-	
MB2D	1.29	15.38	14.20	0.46	0.11	82.31	7090.31
MBA	1.29	22.21	15.01	-	0.16	-	
MBAC	1.57	32.53	-	-	0.08	-	
MBAD	1.51	20.20	-	-	0.11	-	
MBB	1.43	20.95	14.58	-	0.16	-	
MBBC	1.51	36.92	13.56	-	0.08	-	
MBC	1.43	15.94	14.91	-	0.19	-	
MBCE	1.94	17.45	17.04	0.41	0.08	93.00	6488.20
MBDE	1.43	15.24	14.85	0.44	0.07	95.00	
MBE	1.46	23.53	13.13	0.43	0.05	73.00	4543.00
MBF	1.59	38.78	-	-	0.01	-	
MT	1.52	13.79	13.30	0.63	0.07	86.76	7252.64
MT1	1.38	17.36	13.54	0.58	0.11	85.00	7129.67
MT2	1.40	19.47	14.11	0.37	0.08	-	
HB	1.86	39.42	12.34	0.34	0.07	78.49	5559.00
HT	1.64	37.98	11.74	0.30	0.11	-	

5.6 Gas Quality

Table 5-5: Individual Gas Content Details

Borehole Number	Lab Sample Number	Seam	Depth from (m)	Depth to (m)	Thickness (m)	Qm at Sample Ash (m3/t)	IDR30 (m3/t)	Sample ARD (g/cc)	RD or Calc RD (g/cc)	Sample Ash (% ad)	Sample IM (%)	Sample VM (% adb)	Sample FC (%)	H2S Present	CH4/(CH4+CO2)	Q3	Date Tested	Report	LV @ Sample Ash (m3/t)	ppGasQ3 kPa Abs	Q3' (m3/t)	Qt (m3/t)
11500	SWC0003	MB	79.84	80.63	0.79	2.14	0.06	1.31	1.43	14.3					0.85	2.00	04-Feb-05	2005-353	30.14	42.39	0.66	2.80
11500	SWC0004	MB	82.8	83.58	0.78	2.89	0.09	1.36	1.48	18.5					0.87	2.63	04-Feb-05	2005-353	28.58	53.76	0.78	3.67
11500	SWC0005	MB	85.93	86.71	0.78	3.42	0.18	1.37	1.44	15.1					0.89	2.98	04-Feb-05	2005-353	29.82	59.67	0.91	4.33
11500	SWC0006	MB	88.19	88.98	0.79	3.51	0.34	1.44	1.48	18.5					0.91	2.90	04-Feb-05	2005-353	28.58	58.35	0.85	4.36
11501	SWC0007	MB	85.95	86.73	0.78	6.31	0.48	1.37	1.43	14.3					0.97	5.24	07-Feb-05	2005-353	30.14	90.77	1.37	7.68
11501	SWC0008	MB	88.98	89.76	0.78	6.04	0.22	1.4	1.4	11.8					0.97	5.36	07-Feb-05	2005-353	31.09	92.08	1.43	7.47
11501	SWC0009	MB	91.95	92.74	0.79	6.3	0.23	1.36	1.54	23.4					0.98	5.50	07-Feb-05	2005-353	26.74	93.56	1.25	7.55
11501	SWC0010	MB	94.23	95.01	0.78	8.13	1.11	1.34	1.45	16.0					0.98	6.05	07-Feb-05	2005-353	29.51	98.94	1.46	9.59
11502	SWC0011	MB	91.98	92.74	0.76	6.36	0.23	1.36	1.45	16.0					0.96	5.23	11-Feb-05	2005-353	29.51	90.66	1.34	7.70
11502	SWC0012	MB	94.08	94.86	0.78	5.76	0.76	1.32	1.67	33.7					0.96	3.72	11-Feb-05	2005-353	22.90	71.20	0.82	6.58
11502	SWC0013	MB	96.52	97.31	0.79	6.27	0.18	1.39	1.55	24.2					0.96	5.32	11-Feb-05	2005-353	26.44	91.65	1.21	7.48
11502	SWC0014	MB	100.61	101.39	0.78	7.83	1.25	1.35	1.4	11.8					0.97	4.29	11-Feb-05	2005-353	31.09	79.19	1.24	9.07
12269	SWC0015	MT1	114.14	114.93	0.79	8.68	0.15	1.33	1.41	10.24	2.03	12.08	75.65	No	1.00	6.66	16-Oct-06	2008-508	31.65	101.32	1.60	10.28
12269	SWC0016	MT1	115.3	116.09	0.79	8.35	0.14	1.35	1.43	10.85	1.98	12.65	74.51	No	1.00	7.09	16-Oct-06	2008-508	31.42	101.32	1.59	9.93
12269	SWC0017	MB2	154.18	154.96	0.78	8.40	0.43	1.40	1.57	25.67	2.28	11.36	60.70	No	1.00	6.43	18-Oct-06	2008-508	25.89	101.32	1.31	9.71
12269	SWC0018	MB2	156.42	157.18	0.76	12.14	0.56	1.35	1.40	9.33	2.10	12.57	76.00	No	1.00	7.26	18-Oct-06	2008-508	31.99	101.32	1.62	13.75
12269	SWC0019	MB2	157.73	158.52	0.79	10.45	0.26	1.33	1.37	7.92	2.29	11.75	78.04	No	1.00	7.26	18-Oct-06	2008-508	32.52	101.32	1.64	12.10
12269	SWC0020	MB2	159.15	159.93	0.78	9.71	0.23	1.34	1.43	10.38	2.26	12.24	75.13	No	1.00	7.12	18-Oct-06	2008-508	31.60	101.32	1.60	11.31
12269	SWC0021	MB2	160.85	161.63	0.78	9.39	0.27	1.32	1.42	9.88	2.25	12.50	75.36	No	1.00	5.63	18-Oct-06	2008-508	31.78	94.92	1.51	10.90
12271	SWC0022	MT1	46.32	47.04	0.72	0.36	0.00	1.39	1.53	22.28	1.21	13.37	63.14	Yes	0.65	0.36	28-Oct-06	2008-508	27.16	8.29	0.12	0.48
12271	SWC0023	MT1	47.04	47.82	0.78	0.48	0.00	1.48	1.48	15.21	1.21	13.46	70.12	Yes	0.00	0.47	28-Oct-06	2008-508	29.79	10.93	0.17	0.65
12271	SWC0024	MB2	98.23	99	0.77	10.29	0.61	1.42	1.44	12.45	1.14	14.72	71.70	No	1.00	7.80	30-Oct-06	2008-508	30.83	101.32	1.56	11.85
12271	SWC0025	MB2	99	99.82	0.82	9.39	0.45	1.41	1.48	18.29	1.49	12.09	68.14	No	1.00	7.38	30-Oct-06	2008-508	28.65	101.32	1.45	10.84
12271	SWC0026	MB2	99.89	100.64	0.75	9.58	0.39	1.46	1.44	12.70	1.28	12.46	73.56	No	1.00	7.71	30-Oct-06	2008-508	30.73	101.32	1.55	11.14
12271	SWC0027	MB2	101.19	101.98	0.79	9.44	0.40	1.40	1.44	12.17	1.38	12.84	73.60	No	1.00	6.91	30-Oct-06	2008-508	30.93	101.32	1.56	11.00
12271	SWC0028	MB2	102.39	103.16	0.77	9.47	0.53	1.33	1.47	14.24	1.30	16.76	67.70	No	1.00	6.60	30-Oct-06	2008-508	30.16	101.32	1.52	11.00
12271	SWC0029	MB2	103.43	104.2	0.77	9.41	0.57	1.33	1.53	22.31	1.55	16.01	60.13	No	1.00	6.73	30-Oct-06	2008-508	27.14	101.32	1.37	10.78
12271	SWC0030	MB2	104.69	105.47	0.78	10.68	0.52	1.38	1.45	12.89	1.46	14.01	71.64	No	1.00	7.83	30-Oct-06	2008-508	30.66	101.32	1.55	12.23
12274	SWC0031	MT1	58.3	59.1	0.8	0.58	0.00	1.66	1.58	26.90	1.10	19.14	52.86	Yes	0.27	0.58	03-Nov-06	2008-508	25.43	13.30	0.18	0.76
12274	SWC0032	MT1	59.68	60.46	0.78	0.63	0.00	1.37	1.42	9.00	1.83	12.82	76.35	Yes	0.42	0.63	03-Nov-06	2008-508	32.11	14.38	0.24	0.87
12274	SWC0033	MT2	98.97	99.77	0.8	0.54	0.00	1.44	1.44	13.12	1.88	12.13	72.87	No	0.28	0.54	03-Nov-06	2008-508	30.57	12.31	0.20	0.73
12274	SWC0034	MT2	99.77	100.56	0.79	0.43	0.00	1.42	1.44	12.37	1.80	13.36	72.47	No	0.40	0.43	03-Nov-06	2008-508	30.85	9.83	0.16	0.58
12274	SWC0035	MB	103.39	104.16	0.77	0.54	0.00	1.40	1.48	17.39	1.88	12.86	67.87	No	0.11	0.54	04-Nov-06	2008-508	28.98	12.28	0.19	0.72
12274	SWC0036	MB	105.59	106.37	0.78	0.45	0.00	1.39	1.42	11.20	2.34	11.95	74.52	No	0.11	0.45	04-Nov-06	2008-508	31.29	10.43	0.17	0.62
12274	SWC0037	MB	106.37	107.17	0.8	0.58	0.03	1.42	1.46	15.29	2.49	12.70	69.53	No	0.13	0.55	04-Nov-06	2008-508	29.77	12.60	0.20	0.77
12274	SWC0038	MB	107.54	108.31	0.77	0.52	0.00	1.38	1.44	12.71	2.77	14.56	69.96	No	0.15	0.52	04-Nov-06	2008-508	30.73	11.93	0.19	0.71
12274	SWC0039	MB	108.31	109.09	0.78	0.32	0.00	1.38	1.51	20.41	2.27	15.22	62.09	No	0.25	0.32	04-Nov-06	2008-508	27.85	7.51	0.11	0.43

Borehole Number	Lab Sample Number	Seam	Depth from (m)	Depth to (m)	Thickness (m)	Qm at Sample Ash (m3/t)	IDR30 (m3/t)	Sample ARD (g/cc)	RD or Calc RD (g/cc)	Sample Ash (% ad)	Sample IM (%)	Sample VM (% adb)	Sample FC (%)	H2S Present	CH4/(CH 4+CO2)	Q3	Date Tested	Report	LV @ Sample Ash (m3/t)	ppGasQ3 kPa Abs	Q3' (m3/t)	Qt (m3/t)
12274	SWC0040	MB	109.5	110.28	0.78	0.44	0.00	1.37	1.45	14.32	2.10	12.23	71.35	Yes	0.37	0.44	04-Nov-06	2008-508	30.13	10.10	0.16	0.60
11274	SWC0041	MB	110.28	111.08	0.8	0.88	0.00	1.42	1.46	14.39	1.71	13.18	70.71	No	0.67	0.87	04-Nov-06	2008-508	30.10	19.66	0.31	1.19
12276	SWC0042	MB2	62.63	63.4	0.77	6.08	0.30	1.45	1.61	29.22	2.81	12.13	55.84	No	0.95	4.22	06-Nov-06	2008-508	24.56	78.25	0.97	7.05
12276	SWC0043	MB2	63.68	64.45	0.77	6.38	0.45	1.37	1.56	25.35	1.93	14.80	57.92	No	0.96	3.67	06-Nov-06	2008-508	26.01	70.53	0.93	7.31
12276	SWC0044	MB2	64.77	65.56	0.79	5.76	0.36	1.48	1.49	18.76	2.09	13.36	65.79	No	0.95	3.11	06-Nov-06	2008-508	28.47	61.75	0.89	6.65
12276	SWC0045	MB2	65.77	66.55	0.78	6.99	0.23	1.37	1.48	17.49	1.90	16.28	64.33	No	0.95	4.67	06-Nov-06	2008-508	28.94	84.03	1.22	8.21
12276	SWC0046	MB2	67.16	67.95	0.79	7.50	0.25	1.35	1.40	7.43	1.97	13.60	77.00	No	0.95	4.69	06-Nov-06	2008-508	32.70	84.37	1.39	8.88
12276	SWC0047	MB2	68.32	69.07	0.75	5.73	0.32	1.38	1.43	11.65	1.93	14.77	71.65	No	0.95	3.06	06-Nov-06	2008-508	31.12	60.98	0.97	6.70
12276	SWC0048	MB2	69.5	70.27	0.77	7.22	0.56	1.37	1.42	9.87	1.93	36.77	51.43	No	0.95	3.88	06-Nov-06	2008-508	31.79	73.46	1.18	8.40
12276	SWC0049	MF	83.74	84.49	0.75	1.51	0.36	2.18	2.30	75.90	3.00	6.50	14.60	No	1.00	0.24	07-Nov-06	2008-508	7.13	5.56	0.02	1.53
12277	SWC0049	MB2	89.06	89.83	0.77	7.04	0.51	1.51	1.57	26.80	1.30	15.70	56.20	No	0.99	3.47	17-Nov-06	2008-508	25.47	67.46	0.87	7.91
12277	SWC0050	MB2	90.83	91.59	0.76	10.51	0.69	1.34	1.43	11.70	0.89	36.51	50.89	No	0.99	5.59	17-Nov-06	2008-508	31.10	94.54	1.47	11.98
12277	SWC0051	MB2	92.28	93.02	0.74	9.99	0.60	1.39	1.48	16.12	1.06	17.71	65.12	No	0.99	5.06	17-Nov-06	2008-508	29.46	88.74	1.31	11.30
12277	SWC0052	MB2	93.71	94.53	0.82	9.74	0.56	1.36	1.46	15.33	1.85	15.20	67.61	No	0.99	5.80	17-Nov-06	2008-508	29.75	96.60	1.44	11.17
12277	SWC0053	MB2	95.38	96.16	0.78	10.11	0.92	1.35	1.41	10.28	1.61	16.27	71.84	No	0.99	4.29	17-Nov-06	2008-508	31.63	79.24	1.26	11.37
12278	SWC0054	MB2	83.84	84.61	0.77	8.02	0.34	1.43	1.50	19.92	1.73	13.79	64.55	No	0.99	5.31	19-Nov-06	2008-508	28.03	91.53	1.29	9.30
12278	SWC0055	MB2	85.74	86.49	0.75	9.88	0.51	1.35	1.45	14.09	1.47	14.34	70.10	No	0.99	5.93	19-Nov-06	2008-508	30.21	97.83	1.48	11.35
12278	SWC0056	MB2	86.83	87.61	0.78	8.78	0.66	1.42	1.52	21.20	1.54	15.98	61.28	No	0.99	4.44	19-Nov-06	2008-508	27.56	81.17	1.13	9.91
12278	SWC0057	MB2	87.96	88.76	0.8	10.26	0.68	1.34	1.40	7.57	1.62	14.22	76.59	No	0.99	5.25	19-Nov-06	2008-508	32.65	90.88	1.49	11.75
12278	SWC0058	MB2	89.17	89.96	0.79	10.40	0.53	1.35	1.42	12.15	1.59	14.25	72.01	No	0.99	6.65	19-Nov-06	2008-508	30.94	101.32	1.56	11.97
12278	SWC0059	MB2	89.96	90.7	0.74	9.27	0.48	1.34	1.43	12.83	1.66	13.61	71.90	No	0.99	6.01	19-Nov-06	2008-508	30.68	98.56	1.51	10.78
12278	SWC0060	MB2	90.7	91.5	0.8	10.74	0.71	1.31	1.39	7.04	1.47	14.86	76.63	No	0.99	6.47	19-Nov-06	2008-508	32.85	101.32	1.66	12.40
12279	SWC0061	MB2	71.08	71.85	0.77	7.13	0.28	1.38	1.43	12.56	1.25	13.49	72.70	No	0.99	5.63	21-Nov-06	2008-508	30.78	94.93	1.46	8.59
12279	SWC0062	MB2	71.85	72.63	0.78	6.60	0.14	1.61	1.43	11.26	1.16	13.37	74.22	No	0.98	5.33	21-Nov-06	2008-508	31.27	91.75	1.44	8.04
12279	SWC0063	MB2	73.75	74.55	0.8	6.97	0.23	1.36	1.42	11.09	1.34	14.41	73.16	No	0.99	5.03	21-Nov-06	2008-508	31.33	88.42	1.39	8.36
12279	SWC0064	MB2	75.5	76.29	0.79	6.73	0.23	1.41	1.42	9.79	1.38	15.03	73.80	No	0.99	4.82	21-Nov-06	2008-508	31.82	85.87	1.37	8.10
12279	SWC0065	MB2	76.94	77.75	0.81	6.16	0.25	1.44	1.45	15.93	1.32	15.51	67.24	No	0.98	4.45	21-Nov-06	2008-508	29.52	81.24	1.21	7.36
12279	SWC0066	MB2	77.89	78.67	0.78	5.48	0.18	1.54	1.54	23.92	1.36	15.23	59.49	No	0.98	4.20	21-Nov-06	2008-508	26.54	78.01	1.04	6.52
12132	SWC0067	MT1	59.74	60.53	0.79	2.98	0.05	1.39	1.60	29.17	1.65	13.94	55.25	No	0.99	2.67	23-Nov-06	2008-508	24.58	54.50	0.68	3.66
12132	SWC0068	MT1	60.53	61.3	0.77	3.93	0.08	1.40	1.44	12.61	1.63	13.93	71.83	No	0.99	3.51	23-Nov-06	2008-508	30.76	68.05	1.06	4.99
12132	SWC0069	MT1	61.63	62.43	0.8	4.07	0.11	1.37	1.45	13.65	1.76	12.74	71.85	No	0.99	3.54	23-Nov-06	2008-508	30.38	68.45	1.05	5.12
12132	SWC0070	MT1	62.43	63.22	0.79	3.77	0.10	1.47	1.46	16.44	1.66	13.83	68.08	No	0.99	3.21	23-Nov-06	2008-508	29.34	63.40	0.94	4.71
12132	SWC0071	MT2	89.34	90.07	0.73	6.67	0.21	1.41	1.51	20.94	1.90	14.81	62.35	No	0.98	5.36	24-Nov-06	2008-508	27.66	92.03	1.27	7.95
12132	SWC0072	MT2	90.71	91.5	0.79	6.85	0.32	1.62	1.45	13.71	1.93	13.25	71.12	No	0.98	4.86	24-Nov-06	2008-508	30.36	86.37	1.32	8.16
12132	SWC0073	MB	93.3	94.05	0.75	7.53	0.49	1.40	1.47	15.15	1.06	16.71	67.08	No	0.98	4.42	24-Nov-06	2008-508	29.82	80.90	1.21	8.75
12132	SWC0074	MB	94.05	94.82	0.77	7.49	0.50	1.39	1.53	22.28	1.14	15.37	61.20	No	0.98	4.99	24-Nov-06	2008-508	27.15	87.94	1.20	8.68

Borehole Number	Lab Sample Number	Seam	Depth from (m)	Depth to (m)	Thickness (m)	Qm at Sample Ash (m3/t)	IDR30 (m3/t)	Sample ARD (g/cc)	RD or Calc RD (g/cc)	Sample Ash (% ad)	Sample IM (%)	Sample VM (% adb)	Sample FC (%)	H2S Present	CH4/(CH 4+CO2)	Q3	Date Tested	Report	LV @ Sample Ash (m3/t)	ppGasQ3 kPa Abs	Q3' (m3/t)	Qt (m3/t)
12132	SWC0075	MB	95.43	96.22	0.79	7.66	0.52	1.40	1.47	17.18	2.25	13.26	67.31	No	0.99	5.22	24-Nov-06	2008-508	29.06	90.55	1.32	8.98
12132	SWC0076	MB	96.22	97.01	0.79	8.54	0.55	1.44	1.44	13.59	1.82	13.28	71.31	No	0.99	5.68	24-Nov-06	2008-508	30.40	95.37	1.45	9.99
12140	SWC0077	MB2	48.43	49.2	0.77	3.99	0.13	1.64	1.56	24.65	1.31	16.66	57.37	No	0.94	3.45	11-Dec-06	2008-508	26.27	67.10	0.89	4.89
12140	SWC0078	MB2	50.54	51.32	0.78	4.43	0.17	1.38	1.46	16.76	1.68	15.07	66.48	No	0.95	3.69	11-Dec-06	2008-508	29.22	70.73	1.05	5.48
12140	SWC0079	MB2	52.71	53.46	0.75	5.08	0.22	1.39	1.30	12.65	1.83	11.96	73.56	No	0.95	4.36	11-Dec-06	2008-508	30.75	80.07	1.24	6.32
12144	SWC0080	MT1	157.37	158.21	0.84	9.14	0.65	1.38	1.39	23.82	1.40	11.14	63.64	No	1.00	5.92	17-Dec-06	2008-508	26.58	97.77	1.30	10.44
12144	SWC0081	MT2	174.01	174.81	0.8	2.14	0.13	2.07	2.34	77.61	3.19	6.60	12.60	No	1.00	1.42	17-Dec-06	2008-508	6.49	31.07	0.10	2.24
12144	SWC0082	MB	219.24	220.03	0.79	14.06	1.15	1.40	1.44	13.13	1.81	12.78	72.28	No	1.00	9.30	18-Dec-06	2008-508	30.57	101.32	1.54	15.60
12144	SWC0083	MB	221.25	222.02	0.77	14.47	1.32	1.34	1.31	12.90	1.56	12.06	73.48	No	1.00	8.35	18-Dec-06	2008-508	30.66	101.32	1.55	16.02
12165	SWC0084	MB2	124.73	125.47	0.74	8.84	1.22	1.42	1.54	22.59	1.38	13.58	62.45	No	1.00	5.81	08-Mar-07	2008-508	27.04	96.67	1.31	10.15
12165	SWC0085	MB2	127.34	128.11	0.77	10.59	0.99	1.35	1.42	10.17	1.47	12.89	75.47	No	1.00	7.51	08-Mar-07	2008-508	31.68	101.32	1.60	12.18
12165	SWC0086	MB2	128.11	128.85	0.74	9.80	1.23	1.37	1.50	17.69	1.55	13.77	66.99	No	1.00	6.21	08-Mar-07	2008-508	28.87	100.38	1.44	11.24
11263	SWC0087	MT1	92.06	92.86	0.8	3.61	0.06	1.44	1.37	13.03	1.90	14.02	71.05	No	0.88	3.25	10-Jun-07	2008-508	30.61	64.02	1.00	4.60
11263	SWC0088	MT1	93.84	94.66	0.82	4.20	0.12	1.35	1.43	8.91	2.06	13.51	75.51	No	0.90	3.57	10-Jun-07	2008-508	32.15	69.01	1.12	5.33
11263	SWC0089	MB2	103.38	104.16	0.78	6.23	0.09	1.47	1.52	20.68	1.72	13.88	63.71	No	0.98	5.05	12-Jun-07	2008-508	27.75	88.66	1.23	7.47
11263	SWC0090	MB2	104.99	105.78	0.79	7.38	0.18	1.37	1.39	8.47	2.01	12.71	76.81	No	0.98	5.51	12-Jun-07	2008-508	32.31	93.69	1.51	8.89
11263	SWC0092	MB2	108.14	108.91	0.77	7.73	0.16	1.34	1.35	6.52	2.39	12.15	78.94	No	0.98	6.19	12-Jun-07	2008-508	33.04	100.21	1.65	9.38
11263	SWC0093	MB2	110.39	111.17	0.78	7.48	0.18	1.34	1.39	12.21	2.18	12.38	73.23	No	0.98	5.87	12-Jun-07	2008-508	30.92	97.29	1.50	8.98
12617	SWC0094	MT1	98.65	99.44	0.79	6.65	0.29	1.36	1.41	13.10	1.53	12.82	72.55	No	1.00	5.03	08-Oct-07	2008-508	30.58	88.40	1.36	8.01
12617	SWC0095	MT1	99.73	100.52	0.79	6.78	0.29	1.37	1.38	10.63	1.23	13.29	74.85	No	1.00	5.07	08-Oct-07	2008-508	31.50	88.82	1.40	8.18
12617	SWC0096	MB2	151.26	152.02	0.76	10.09	0.78	1.36	1.44	17.60	1.92	12.14	68.33	No	1.00	6.27	09-Oct-07	2008-508	28.90	100.90	1.45	11.54
12617	SWC0097	MB2	152.02	152.78	0.76	11.33	0.95	1.32	1.70	9.99	2.04	11.96	76.01	No	1.00	6.91	09-Oct-07	2008-508	31.74	101.32	1.60	12.93
12617	SWC0098	MB2	154.24	155.03	0.79	11.77	0.74	1.40	1.43	14.15	1.90	13.17	70.77	No	1.00	7.24	09-Oct-07	2008-508	30.19	101.32	1.52	13.29
12617	SWC0099	MB2	155.03	155.78	0.75	11.85	0.57	1.36	1.33	8.60	2.02	11.67	77.71	No	1.00	7.57	09-Oct-07	2008-508	32.26	101.32	1.63	13.48
12617	SWC0100	MB2	156.49	157.27	0.78	12.31	1.01	1.37	1.34	8.35	2.26	12.92	76.47	No	1.00	6.89	09-Oct-07	2008-508	32.36	101.32	1.63	13.95
11254	SWC0101	MT1	133.54	133.85	0.31	5.07	0.22	1.64	1.58	33.76	2.16	12.53	51.55	No	0.99	3.38	23-Nov-07	2008-508	22.87	66.11	0.77	5.83
11254	SWC0102	MT1	134.01	134.78	0.77	8.08	0.38	1.45	1.43	24.28	2.10	12.23	61.39	No	1.00	5.30	23-Nov-07	2008-508	26.41	91.43	1.21	9.29
11254	SWC0103	MT1	135.16	135.55	0.39	5.83	0.27	1.78	1.49	48.06	2.54	10.07	39.34	No	1.00	3.47	23-Nov-07	2008-508	17.53	67.42	0.60	6.43
11254	SWC0104	MB2	203.6	204.37	0.77	12.77	1.21	1.45	1.66	20.73	2.21	11.93	65.13	No	1.00	5.65	25-Nov-07	2008-508	27.73	95.09	1.32	14.09
11254	SWC0105	MB2	204.37	205.21	0.84	12.06	1.19	1.40	1.45	18.60	2.18	13.35	65.87	No	1.00	5.87	25-Nov-07	2008-508	28.53	97.22	1.39	13.45
11254	SWC0106	MB2	205.25	206.03	0.78	14.17	1.51	1.35	1.38	12.25	2.25	12.10	73.40	No	1.00	6.14	25-Nov-07	2008-508	30.90	99.76	1.54	15.70
11254	SWC0107	MB2	206.03	206.82	0.79	13.87	1.44	1.41	1.54	20.69	2.22	14.69	62.39	No	1.00	5.32	25-Nov-07	2008-508	27.75	91.67	1.27	15.14
11254	SWC0108	MB2	206.86	207.65	0.79	14.60	1.05	1.36	1.34	4.25	2.65	11.87	81.23	No	1.00	6.88	25-Nov-07	2008-508	33.89	101.32	1.71	16.31
11254	SWC0109	MB2	207.84	208.62	0.78	10.37	1.21	1.47	1.51	19.02	2.25	14.77	63.96	No	1.00	4.73	25-Nov-07	2008-508	28.37	84.79	1.21	11.58
11254	SWC0110	MB2	208.62	209.39	0.77	13.72	1.75	1.38	1.40	15.27	1.59	14.12	69.02	No	1.00	5.42	25-Nov-07	2008-508	29.77	92.77	1.38	15.10
11254	SWC0111	MB2	209.39	210.16	0.77	14.01	1.79	1.32	1.39	15.32	1.79	12.91	69.98	No	1.00	4.44	25-Nov-07	2008-508	29.76	81.21	1.22	15.23
140080	SWC0112	MB2	122.387	123.137	0.75	9.49	1.53	1.38	1.45	16.16	2.15	13.54	68.15	No	1.00	4.61	02-Oct-12	2013-1050	29.44	83.31	1.23	10.73

Borehole Number	Lab Sample Number	Seam	Depth from (m)	Depth to (m)	Thickness (m)	Qm at Sample Ash (m3/t)	IDR30 (m3/t)	Sample ARD (g/cc)	RD or Calc RD (g/cc)	Sample Ash (% ad)	Sample IM (%)	Sample VM (% adb)	Sample FC (%)	H2S Present	CH4/(CH 4+CO2)	Q3	Date Tested	Report	LV @ Sample Ash (m3/t)	ppGasQ3 kPa Abs	Q3' (m3/t)	Qt (m3/t)
140080	SWC0113	MB2	123.137	123.887	0.75	12.09	1.74	1.38	1.44	13.75	1.28	14.05	70.92	No	1.00	6.51	02-Oct-12	2013-1050	30.34	101.32	1.53	13.62
140080	SWC0114	MB2	124.71	125.46	0.75	9.98	1.54	1.40	1.49	18.71	1.46	15.77	64.06	No	1.00	5.22	02-Oct-12	2013-1050	28.49	90.56	1.29	11.27
140080	SWC0115	MB2	126.401	127.051	0.65	10.23	1.56	1.32	1.40	11.12	1.80	13.75	73.32	No	1.00	4.52	02-Oct-12	2013-1050	31.32	82.14	1.29	11.52
140040	SWC0116	MB2	73.814	74.574	0.76	6.29	0.22	1.31	1.43	16.56	1.30	15.56	66.58	No	0.99	4.66	12-Oct-12	2013-1050	29.29	83.93	1.24	7.53
140040	SWC0117	MB2	74.824	75.324	0.5	6.32	0.28	1.39	1.45	20.60	1.62	15.04	62.73	No	0.99	4.40	12-Oct-12	2013-1050	27.78	80.67	1.13	7.45
140040	SWC0118	MB2	75.324	75.874	0.55	5.16	0.16	1.68	1.65	38.85	1.46	13.98	45.71	No	0.99	3.87	12-Oct-12	2013-1050	20.97	73.32	0.78	5.94
140040	SWC0119	MB2	76.014	76.374	0.36	6.31	0.35	1.39	1.42	16.90	1.49	16.13	65.47	No	0.99	4.23	12-Oct-12	2013-1050	29.16	78.39	1.15	7.46
140040	SWC0120	MB2	76.474	77.224	0.75	6.41	0.24	1.32	1.36	7.86	1.52	15.90	74.73	No	0.99	5.73	12-Oct-12	2013-1050	32.54	95.91	1.56	7.97
140040	SWC0121	MB2	77.224	77.914	0.69	6.61	0.24	1.32	1.44	16.74	1.58	15.88	65.79	No	0.99	4.90	12-Oct-12	2013-1050	29.22	86.86	1.27	7.88
140040	SWC0122	MB2	78.424	79.174	0.75	6.61	0.16	1.37	1.47	18.87	1.68	15.77	63.69	No	0.99	5.23	12-Oct-12	2013-1050	28.43	90.70	1.29	7.90
140040	SWC0123	MB2	79.174	79.924	0.75	5.73	0.24	1.35	1.40	10.49	1.72	15.48	72.31	No	0.99	4.96	12-Oct-12	2013-1050	31.56	87.60	1.39	7.12
140040	SWC0124	MB2	79.924	80.674	0.75	7.44	0.29	1.30	1.36	7.42	1.56	15.64	75.38	No	1.00	5.44	12-Oct-12	2013-1050	32.70	92.93	1.52	8.96
140040	SWC0125	MB2	80.674	81.324	0.65	6.76	0.27	1.35	1.40	13.90	1.24	15.75	69.11	No	1.00	4.67	12-Oct-12	2013-1050	30.28	84.05	1.28	8.04
140040	SWC0126	MB2	81.534	81.924	0.39	7.71	1.04	1.25	1.32	5.41	1.92	16.02	76.65	No	0.99	3.82	12-Oct-12	2013-1050	33.46	72.62	1.23	8.93
140040	SWC0127	HB	109.004	109.754	0.75	6.57	0.30	1.51	1.58	32.38	1.61	13.45	52.57	No	1.00	4.24	13-Oct-12	2013-1050	23.38	78.47	0.92	7.49
140040	SWC0128	HB	110.014	110.514	0.5	5.35	0.28	1.59	1.73	42.68	1.50	14.95	40.87	No	1.00	2.61	13-Oct-12	2013-1050	19.54	53.44	0.53	5.88
140043	SWC0129	MT2	114.371	115.171	0.8	6.14	0.33	1.46	1.55	26.29	1.45	15.50	56.76	No	0.99	4.23	04-Nov-12	2013-1050	25.66	78.39	1.01	7.15
140043	SWC0130	MT2	115.171	115.761	0.59	5.83	0.35	1.48	1.55	24.67	1.27	13.40	60.66	No	1.00	3.97	04-Nov-12	2013-1050	26.26	74.83	0.99	6.82
140043	SWC0131	MB	116.301	117.101	0.8	6.42	0.39	1.45	1.53	20.56	1.28	16.84	61.32	No	1.00	4.42	04-Nov-12	2013-1050	27.80	80.88	1.13	7.56
140043	SWC0132	MB	117.101	117.501	0.4	5.47	0.39	1.42	1.62	29.37	1.84	16.66	52.13	No	1.00	3.50	04-Nov-12	2013-1050	24.51	67.93	0.84	6.31
140043	SWC0133	MB	117.6	118.4	0.8	6.39	0.28	1.39	1.57	22.42	1.14	19.05	57.39	No	1.00	4.20	04-Nov-12	2013-1050	27.10	77.96	1.07	7.46
140043	SWC0134	MB	118.4	119.201	0.801	7.03	0.35	1.36	1.45	11.26	2.15	14.69	71.90	No	1.00	4.71	04-Nov-12	2013-1050	31.27	84.57	1.33	8.36
140043	SWC0135	MB	119.201	120	0.799	6.61	0.28	1.36	1.49	16.02	1.35	16.23	66.41	No	1.00	4.68	04-Nov-12	2013-1050	29.49	84.26	1.25	7.86
140043	SWC0136	MB	120	120.531	0.531	4.94	0.23	1.45	1.60	23.04	1.28	22.11	53.56	No	1.00	3.94	04-Nov-12	2013-1050	26.87	74.31	1.01	5.95
140043	SWC0137	MB	120.531	121.261	0.73	7.34	0.37	1.32	1.40	10.84	1.49	15.23	72.44	No	1.00	4.51	04-Nov-12	2013-1050	31.43	82.02	1.30	8.64
140043	SWC0138	MB	121.261	122.011	0.75	7.36	0.54	1.32	1.38	9.11	1.53	15.07	74.30	No	1.00	4.14	04-Nov-12	2013-1050	32.07	77.15	1.25	8.61
140043	SWC0139	MB	122.011	122.761	0.75	7.62	0.53	1.34	1.41	13.18	1.38	14.79	70.65	No	1.00	4.92	04-Nov-12	2013-1050	30.55	87.08	1.34	8.96
140043	SWC0140	MB	122.761	123.211	0.45	7.11	0.34	1.33	1.41	15.99	1.35	14.53	68.13	No	1.00	4.55	04-Nov-12	2013-1050	29.50	82.59	1.23	8.34
140043	SWC0141	HB	152.451	153.101	0.65	6.78	0.30	1.55	1.62	30.81	1.13	13.31	54.76	No	1.00	4.95	06-Nov-12	2013-1050	23.97	87.41	1.05	7.83
140043	SWC0142	HB	153.101	153.491	0.39	7.05	0.31	1.50	1.52	25.88	1.71	12.70	59.71	No	1.00	5.00	06-Nov-12	2013-1050	25.81	88.08	1.14	8.19
140043	SWC0143	HB	153.589	154.259	0.67	8.05	0.36	1.46	1.53	25.77	1.57	13.17	59.49	No	0.99	4.75	06-Nov-12	2013-1050	25.85	85.08	1.10	9.15
140043	SWC0144	HB	154.259	155.009	0.75	7.19	0.47	1.64	1.63	32.96	2.00	13.87	51.16	No	1.00	4.21	06-Nov-12	2013-1050	23.17	78.06	0.91	8.10
140043	SWC0145	HB	155.009	155.759	0.75	5.34	0.38	1.58	1.74	44.91	2.00	14.26	38.83	No	0.99	3.14	06-Nov-12	2013-1050	18.70	62.30	0.59	5.93
140043	SWC0146	HB	155.841	156.451	0.61	7.49	0.43	1.60	1.61	32.74	1.53	12.82	52.91	No	0.99	4.36	06-Nov-12	2013-1050	23.25	80.08	0.94	8.43
140050	SWC0147	MT1	29.104	29.783	0.679	0.51	0.02	1.76	1.84	52.68	1.81	10.98	34.53	No	0.23	0.49	10-Nov-12	2013-1050	15.80	11.21	0.09	0.60
140050	SWC0148	MB2	124.742	125.222	0.48	9.14	0.84	1.35	1.49	19.99	1.37	16.84	61.79	No	1.00	4.22	11-Nov-12	2013-1050	28.01	78.27	1.11	10.25
140050	SWC0149	MB2	125.322	125.982	0.66	8.32	0.37	1.44	1.48	21.64	1.44	14.14	62.79	No	1.00	5.74	11-Nov-12	2013-1050	27.39	96.00	1.31	9.64

Borehole Number	Lab Sample Number	Seam	Depth from (m)	Depth to (m)	Thickness (m)	Qm at Sample Ash (m3/t)	IDR30 (m3/t)	Sample ARD (g/cc)	RD or Calc RD (g/cc)	Sample Ash (% ad)	Sample IM (%)	Sample VM (% adb)	Sample FC (%)	H2S Present	CH4/(CH 4+CO2)	Q3	Date Tested	Report	LV @ Sample Ash (m3/t)	ppGasQ3 kPa Abs	Q3' (m3/t)	Qt (m3/t)
140050	SWC0150	MB2	126.022	126.772	0.75	7.58	0.45	1.38	1.50	21.10	1.38	15.29	62.23	No	1.00	4.54	11-Nov-12	2013-1050	27.60	82.41	1.14	8.73
140050	SWC0151	MB2	126.772	127.523	0.751	9.36	0.60	1.29	1.44	15.31	1.40	14.60	68.69	No	1.00	5.58	11-Nov-12	2013-1050	29.76	94.40	1.40	10.77
140050	SWC0152	MB2	127.523	128.273	0.75	9.17	0.57	1.39	1.45	15.80	1.24	17.42	65.54	No	1.00	5.23	11-Nov-12	2013-1050	29.57	90.67	1.34	10.51
140050	SWC0153	MB2	128.363	129.133	0.77	10.01	0.60	1.42	1.43	14.32	1.21	17.52	66.94	No	0.99	5.99	11-Nov-12	2013-1050	30.13	98.41	1.48	11.49
140050	SWC0154	MB2	129.133	129.924	0.791	10.42	0.62	1.36	1.38	10.70	1.32	15.52	72.45	No	1.00	6.39	11-Nov-12	2013-1050	31.48	101.32	1.59	12.01
140050	SWC0155	MB2	129.924	130.694	0.77	9.74	0.58	1.33	1.43	15.05	1.21	14.84	68.90	No	1.00	5.41	11-Nov-12	2013-1050	29.85	92.65	1.38	11.13
140050	SWC0156	MB2	131.103	131.412	0.309	10.19	0.69	1.30	1.39	13.31	1.12	14.72	70.85	No	1.00	5.21	11-Nov-12	2013-1050	30.51	90.39	1.38	11.58
140050	SWC0157	HT	157.243	157.563	0.32	6.91	0.65	1.45	1.81	46.83	2.59	10.92	39.65	No	0.99	3.11	13-Nov-12	2013-1050	17.99	61.75	0.56	7.48
140050	SWC0158	HT	157.563	158.223	0.66	9.49	1.38	1.49	1.55	29.64	1.26	13.27	55.83	No	1.00	4.27	13-Nov-12	2013-1050	24.41	78.93	0.97	10.46
140065	SWC0159	MB2	85.71	86.47	0.76	7.20	0.51	1.48	1.61	31.16	1.13	13.79	53.93	No	0.99	4.53	13-Dec-12	2013-1050	23.84	82.33	0.99	8.19
140065	SWC0160	MB2	86.47	87.24	0.77	8.81	0.54	1.39	1.44	15.56	1.17	15.45	67.82	No	0.99	5.45	13-Dec-12	2013-1050	29.66	93.01	1.38	10.19
140065	SWC0161	MB2	87.24	87.75	0.51	9.08	0.50	1.46	1.47	18.68	1.37	13.69	66.27	No	0.99	5.15	13-Dec-12	2013-1050	28.50	89.81	1.28	10.36
140065	SWC0162	MB2	87.75	88.53	0.78	8.33	0.40	1.51	1.47	18.00	1.11	13.53	67.36	No	0.99	4.17	13-Dec-12	2013-1050	28.75	77.56	1.12	9.45
140065	SWC0163	MB2	88.53	89.31	0.78	8.93	0.51	1.28	1.42	10.96	0.90	14.67	73.47	No	0.99	6.66	13-Dec-12	2013-1050	31.38	101.32	1.58	10.51
140065	SWC0164	MB2	89.31	90.09	0.78	8.40	0.36	1.47	1.47	19.56	0.99	15.84	63.61	No	0.99	3.99	13-Dec-12	2013-1050	28.17	75.03	1.07	9.47
140065	SWC0165	MB2	90.09	90.75	0.66	10.22	0.37	1.33	1.34	7.31	1.26	13.80	77.62	No	0.99	6.73	13-Dec-12	2013-1050	32.74	101.32	1.65	11.87
140065	SWC0166	MB2	90.77	91.56	0.79	10.67	0.59	1.34	1.40	10.34	1.45	14.03	74.18	No	0.99	4.79	13-Dec-12	2013-1050	31.61	85.53	1.36	12.03
140065	SWC0167	MB2	91.56	92.34	0.78	9.30		1.33	1.41	11.68	1.00	14.39	72.93	No	0.99	5.32	13-Dec-12	2013-1050	31.11	91.64	1.43	10.73
140065	SWC0168	MB2	92.34	93.12	0.78	10.21	1.25	1.32	1.40	11.48	0.75	14.86	72.91	No	0.99	5.64	13-Dec-12	2013-1050	31.19	94.98	1.48	11.69
140065	SWC0169	MB2	93.12	93.59	0.47	10.14	1.61	1.37	1.40	9.64	0.79	15.61	73.96	No	0.99	3.89	13-Dec-12	2013-1050	31.87	73.68	1.19	11.33
140065	SWC0170	MB2	93.59	93.91	0.32	7.36	0.77	1.32	1.34	5.66	0.97	14.50	78.87	No	0.99	4.11	13-Dec-12	2013-1050	33.36	76.72	1.29	8.65
140065	SWC0171	HY	120.732	121.472	0.74	9.39	1.60	1.62	1.57	29.12	1.29	12.15	57.45	No	0.99	3.14	16-Dec-12	2013-1050	24.60	62.30	0.78	10.17
140065	SWC0172	HY	121.882	122.382	0.5	7.68	2.35	1.54	1.71	39.28	1.03	16.23	43.47	No	0.99	1.87	16-Dec-12	2013-1050	20.81	40.00	0.43	8.11
140065	SWC0173	HY	124.151	124.621	0.47	9.54	1.11	1.66	1.65	35.91	0.92	14.13	49.04	No	0.98	3.05	16-Dec-12	2013-1050	22.07	60.88	0.68	10.22

5.7 Coal & Gas Reserves

s318DT(1)(c)(ii)

Currently within the ASAA9 there are no calculated coal or gas reserves as Stanmore lacks the data to convert the resources to reserves, more drilling data is required which is one factor in the application for surface rights.

6 Proposed Activities

s318DT(1)(a), s318DT(1)(b), s318DT(1)(d), s318EA

6.1 Operational Overview

s318DT(1)(a), s318EA(2)(b)

SWC is a well-established open cut operation that removes overburden using conventional stripping methods to mine the Rangal Coal Measures. SWC spans across six operational opencut pits, Toolah, Walker, Carborough, Mulgrave, Kemmis, Kemmis 2 and five undeveloped areas Toolah South (including expansion ASAA9), Central, Kemmis 3, Kemmis North and Bee Creek.

ASAA9 will be incorporated into the overall SWC development plan once this Surface Mining Lease Application approved and initial 5-year plan is completed.

The ASAA9 is a future open cut extension of SWC mine and potential distant future underground mine. The immediate requirement and reason for the ASAA9 is that Stanmore requires access to the area to conduct the necessary exploration to further define the resource through drilling, modelling and resource estimation prior to further mine planning and scheduling. Secondary to this, Stanmore wishes to develop an operational gas field to utilise gas for onsite power generation effectively abating fugitive emissions. This would supply baseload power to the mine with the ability to export the remaining capacity to the grid., pending successful permeability assessments. A 20MW power station and gas field of vertical and dual lateral wells to supply fuel is proposed to be constructed under this plan.

The following activities are to be undertaken at the ASAA9 of the mine over the next 5 years:

- Exploration Activities
- Drilling & Gas Well Installation
- Groundwater monitoring
- Infrastructure construction
- Power Generation (pending successful completion)

Details of the planned activities are described below and **Figure 6-2** shows the extent of planned workings.

6.2 Exploration Activities

Within the proposed LOP timeframe, SMC are proposing the following exploration activities:

- Structural Drilling
- Fault/ intrusive delineation drilling
- Geotechnical boreholes to assess the lithological makeup of the overburden units,
- Coal Quality drilling, for Resource compliance
- Water bore drilling, piezo & monitoring installation, ongoing monitoring.
- 6km 2D seismic
- Geological modelling & resource estimation

The purpose of this exploration program is to conduct exploration drilling across the site to increase resource definition and tonnage to the measured category in preparation for mine planning and future pit extensions.

The exploration activities prescribed in the ASAA9 current five-year Development Plan are summarised in Table 6-1.

Table 6-1: Exploration Summary 2025 to 2030

Lease	No. Coal Quality & Washability Holes	No. Chip Holes	Geotechnical Holes	Gas Exploration Hole	Gas Wells	Geophysical Surveys i.e., Seismic, EM (Sq. km)	Total Holes CY 2025 – 2030
ML 4750 (ASAA9)	8	20	5	2	5	6	228

6.3 Drilling & Gas Well Installation

Over the next 5 years Stanmore plan to develop a gas field through progressively drilling a number of dual lateral gas wells & vertical production wells and installing well surface artificial lift and metering equipment. Understanding of permeability data within the proposed area is being improved, hence 2 gas & permeability confirmation bores are scheduled to be completed in the 2nd half of 2024. If deemed successful, these wells will be the first 2 gas wells for production to supply the onsite Power Station that is to be constructed nearby.

The well design and drilling methodology will involve a twostep process. Firstly, a vertical well, which will be used to produce the gas and water from the target seam, will be drilled through to the target coal seam. Secondly, a lateral in-seam borehole/s are drilled along the coal seam and intersecting the vertical well. The in-seam holes provide a clear path for both gas and water to flow towards the vertical well where the water is pumped and the gas free flows to surface.

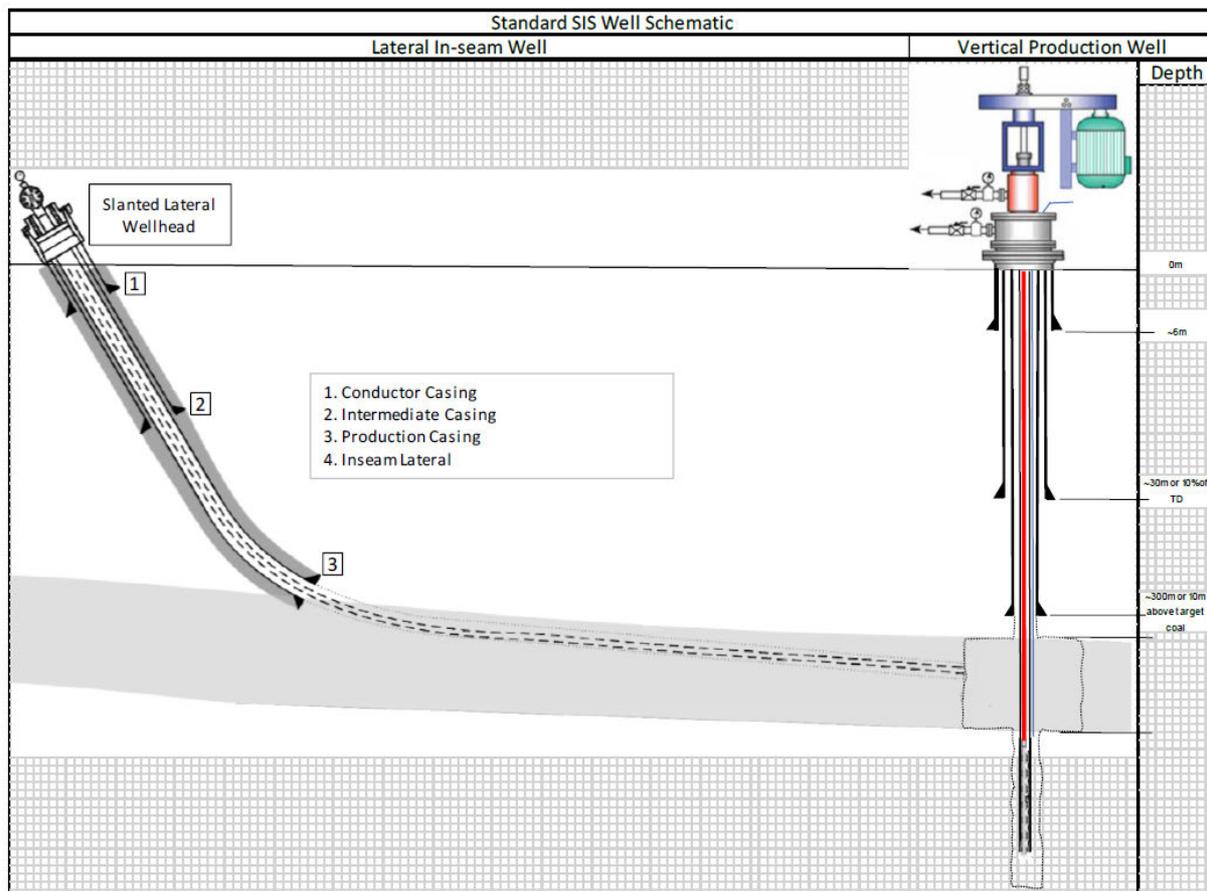
A tubing conveyed Progressive cavity pump (PCP) will be installed for artificial lift of the produced water. The liner, tubing and pump combination will be sized prior to installation for optimal down-hole separation of the gas and water following drilling of the well. A schematic representation of well design can be found in Figure 6-1.

The gas produced will be collected from each production well and transported to a main gas trunk line which will deliver the gas to the entry point and metering station of the power station. Gas collection will be via appropriately sized HDPE pipe, trenched and buried to a depth of [0.75] m. It is proposed that gas will flow from the wells through to the power station by wellhead pressure. Produced water from the wells, which will be drawn from each well using gas engines and progressive cavity pumps, will be collected in HDPE gathering lines, co-trenched with the gas gathering lines, and transported to existing SWC mine water infrastructure to be beneficially reused during the mining operation. Gas produced from each well enters a gas/water metering skid connected directly to the well head, where some free water is removed from the gas stream before being measured. Water drainage points shall be located at naturally occurring low points within the gas gathering system to remove any trapped waters.

The proposed 20MW power station will require approximately 4TJ/d of gas supply. The development program has scheduled an initial 5 dual lateral wells to be drilled throughout the first 5-year period of the gas supply with a further 4 wells in the following 5 years. Post this time additional wells to be drilled as required to maintain the 4TJ/d gas delivery.

The total amount of wells developed during this ASAA9 current five-year Development Plan are summarised in **Table 6-1**. The full scale of the gas field development is shown in **Figure 6-2**, it is the first 5 wells that will be drilled and constructed during this planning period.

Figure 6-1: Well Design

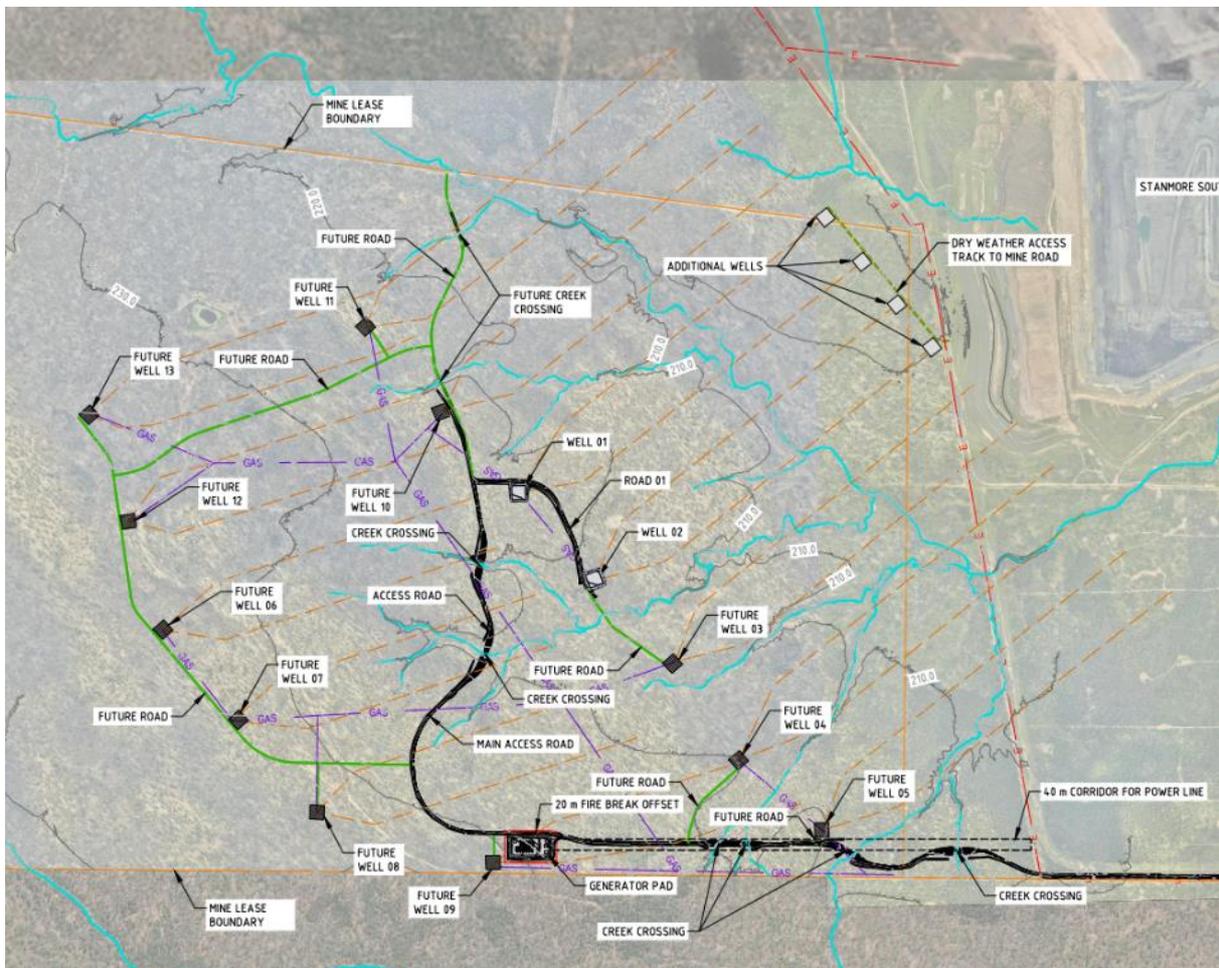


6.4 Infrastructure Construction

Associated infrastructure that will be constructed during the planning period includes:

- Clearing of vegetation for infrastructure corridors
- Construction of access roads, drill pads and power station pads including lay down areas.
- Overhead power lines connecting power station to existing 66kV OHPL on ML4750
- Access roads and drains
- Gas reticulation from gas field to power station
- Water reticulation from gas field, to transfer tank, then back to the mine affected water system associated with ML4750. Water reticulation from power station to transfer tank.
- Geotechnical investigations to support infrastructure design and construction.
- Construction of power station and flares

Figure 6-2: Gas Field Development



6.5 Power Generation

The power station will supply the mine's electrical demand on a 24/7 basis, connected directly into the mine supply but also connected to the Ergon network in the area which currently feeds electricity to SWC. The mine will retain its grid connection which will offer greater security of supply than being solely dependent on this project.

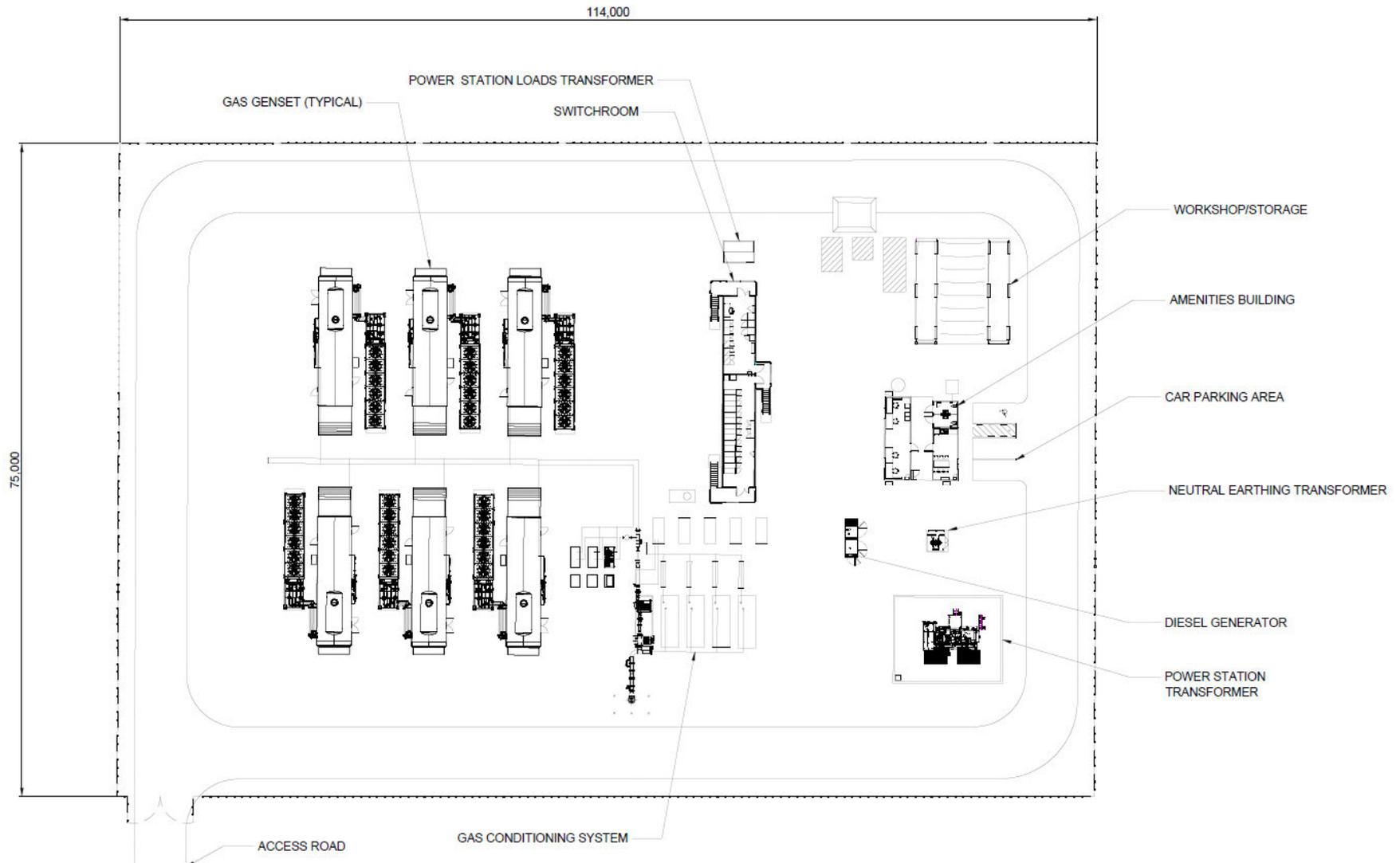
The power station with a 20MW capacity will supply SWC's total demand year-round with the capacity to increase up to 30MW if required in future. The generation capacity will be delivered using multiple gas fuelled reciprocating engines.

Current mine load comprises the CHPP and industrial area plus 2 draglines representing a combined load of the order of 18MW. An expansion of the wash-plant is currently under construction and will increase the potential maximum load to between 20 -22MW across the operation. The existing connections to the grid network will be retained providing an N+1 scenario for electricity supply to the mine.

The financial model assumes the generation facility will produce 160MWh per annum of which 92-93% will supply the mine with the remainder exported to the grid (5-6% of PS output).

A conceptual design of the power station can be found in **Figure 6-3**. Further detailed information can be found in **Attachment B** (The South Walker Creek Gas Abatement Project).

Figure 6-3: Conceptual Power Station Design



7 Production Plan & Schedule

s318DT(1)(b), s318DT(1)(c), s318EA

7.1 Appropriateness of the Plan

s318DT(1)(f)

The plan is considered appropriate because the mine plan is designed to maximise coal and gas resource recovery and minimise coal sterilization and fugitive gas emissions. The surface area is required for further delineation of seam continuity and structure through drilling that is essential prior to opencut mining activities, which are scheduled post 2030. In addition to this Stanmore wishes to construct a gas field to utilise the in-situ gas for onsite power generation.

The shallow coal seams contain significant amounts of gas that with current data are shown to be technically feasible for extraction and use in an onsite 20MW power station, pending the confirmation of permeability testing. It is expected from extensive permeability modeling and reservoir characterisation that flows will be ~10 mD, which is sufficient for the planned gas field, production and power generation.

For future mining, open cut methods are proposed which will mine all seams >0.3m thick. Mining will commence down dip to the economic highwall depth which will remain open for the LOMP period. Future long term underground mining options are yet to be investigated.

The proposed MLSA is an extension of the existing pits at SWC mine, so there is no reason to consider the mine will not progress into the Surface Area MLA as planned. Existing mine infrastructure exists which incur no capital cost risks associated with the opencut project. The proposed power station to be built relies upon the successful outcome of the permeability testing and construction will only commence once this has been confirmed.

The target coal seams are the Rangal Coal Measures. The underlying Burngrove Formation seams are considerably deeper, high in ash, low in yield, and are not considered economic. Burngrove seams are generally not mined in the Bowen Basin.

7.1.1 ASAA9 Mine Plan

The ASAA9 Plan is considered appropriate for the following reasons:

- The current open cut operations at SWC are based on greater than 23 years of accumulated mining history.
- The mine layout is designed to further continue open cut operations at depth in the multiple seam pit for an expected pit life of more than 15 years.
- Seams identified are mined as they are encountered throughout the ML.
- SMC believes that the current Life of Mine Plan, on which this Development Plan is based, has identified the optimum mix of mining methods to maximise output and resource recovery.
- Reduces greenhouse gas emissions by utilising CSG for onsite power generation.

- Reduces gas and minimizes risk for future underground mining options.

7.1.2 Mining Will Be Optimised in The Best Interest of The State

s318EA(d)

As demonstrated above, the approach outlined in this Plan will optimise the mining of coal and gas extraction, in the best interests of the State, having regard to the public interest, including:

- The Plan contemplates further investment in, extension of current production, including through proposed mining of new areas, optimisation and adoption of new technologies.

By doing so, it will:

- Provide significant royalty revenue to the State.
- Provide employment
- Have other flow-on benefits to the local and State economies (including through the expenditure required for continuing and expanding existing operations).
- Reduce greenhouse gas emissions by utilising fugitive gas/CSG in line with State policy.

7.2 Production Plan & Schedule

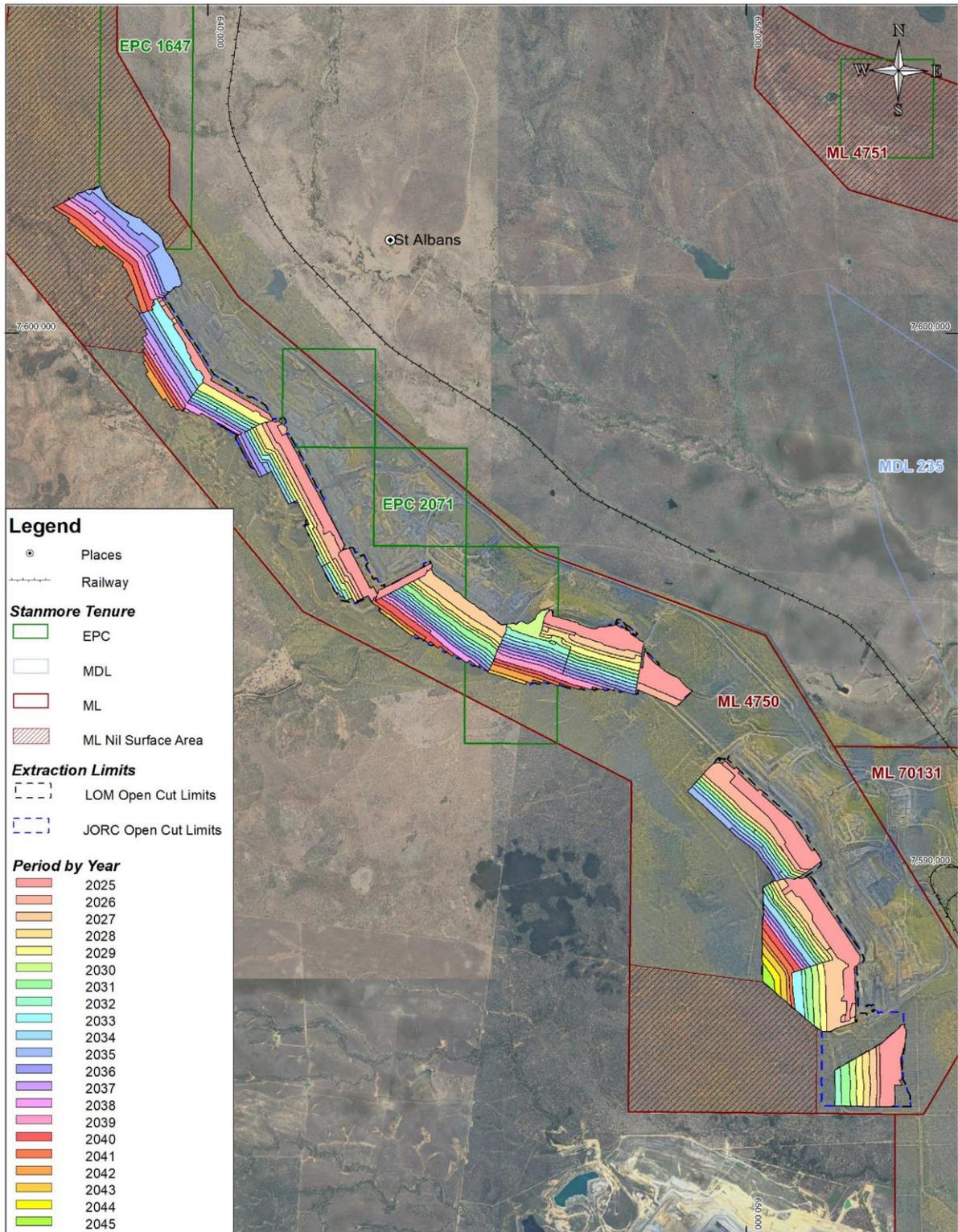
s318DT(1)(b)

The key drivers for the timing of the SA MLA is to allow time for pre-drainage of gas and conduct exploration drilling to further define the resource and structure for mine planning, ahead of future opencut extensions into the current nil SA. This also allows for sufficient time to construct the gas power plant and associated infrastructure if the proposed gas field has flows for successful for power generation.

7.2.1 Coal Production Schedule

No coal mining is scheduled for the term of this development plan, the opencut pit extension into the ASAA9 is not planned until 2030 per the current LOM in **Figure 7-1**.

Figure 7-1: SWC LOM Period Progression Plot



	 Scale 1:90,000	Author: A. Jones	South Walker Creek Period Plot
		Date: 1/02/2024	
Projection: AMG Zone 55 (AGD 84)			

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7.2.2 Gas Production Schedule

The current 5 year plan for gas drainage is described below, with well construction forecast and indicative drilling plans in **Figure 7-2** and **Figure 7-3**.

Table 7-1: Gas Drainage 5 Year Plan

Year	Description
1	<ul style="list-style-type: none"> • Geotechnical investigations to support infrastructure design and construction. • Clearing of vegetation for infrastructure corridors • Construction of access roads, drill pads and power station pads including lay down areas. • Drilling 2 conventional dual lateral gas wells. Nominally 250-300meters deep with 1500 meter dual laterals.
2	<ul style="list-style-type: none"> • Construction of power station and flares • Construction of overhead power lines in the project area • Minor civil works for access and drainage works • Commence commissioning of wells and gas extraction • Drilling 1 conventional dual lateral gas wells. Nominally 250-300meters deep with 1500 meter dual laterals.
3	<ul style="list-style-type: none"> • Gas extraction and power generation • Operational and maintenance activities in th project area.
4	<ul style="list-style-type: none"> • Gas extraction and power generation • Operational and maintenance activities in th project area.
5	<ul style="list-style-type: none"> • Gas extraction and power generation • Operational and maintenance activities in th project area. • Drilling 1 conventional dual lateral gas well. Nominally 250-300meters deep with 1500 meter dual laterals.

The 5 year production schedule for gas and water is detailed below in **Table 7-2**, the overall gas field development plan is represented in **Figure 6-2**.

Table 7-2: Gas & Water Production 5 Year Plan

Year	Gas Production (PJ)	Water Production* (cubic M)
1	1.88	15876
2	1.5	15957
3	1.76	17304
4	1.88	17943
5	2	16617

Figure 7-2: Well Construction Forecast

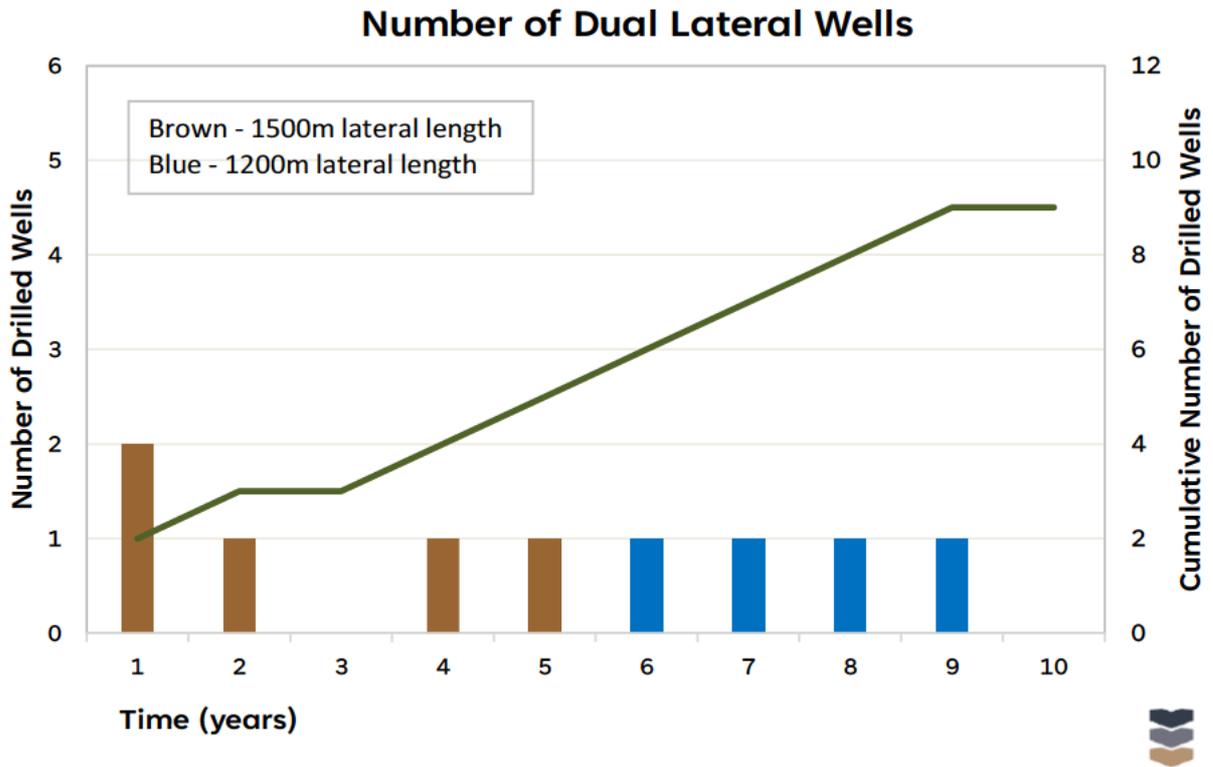


Figure 7-3: Indicative drilling plan, Area DA01 (Wells 1 to 5 drilled within 5 year horizon)

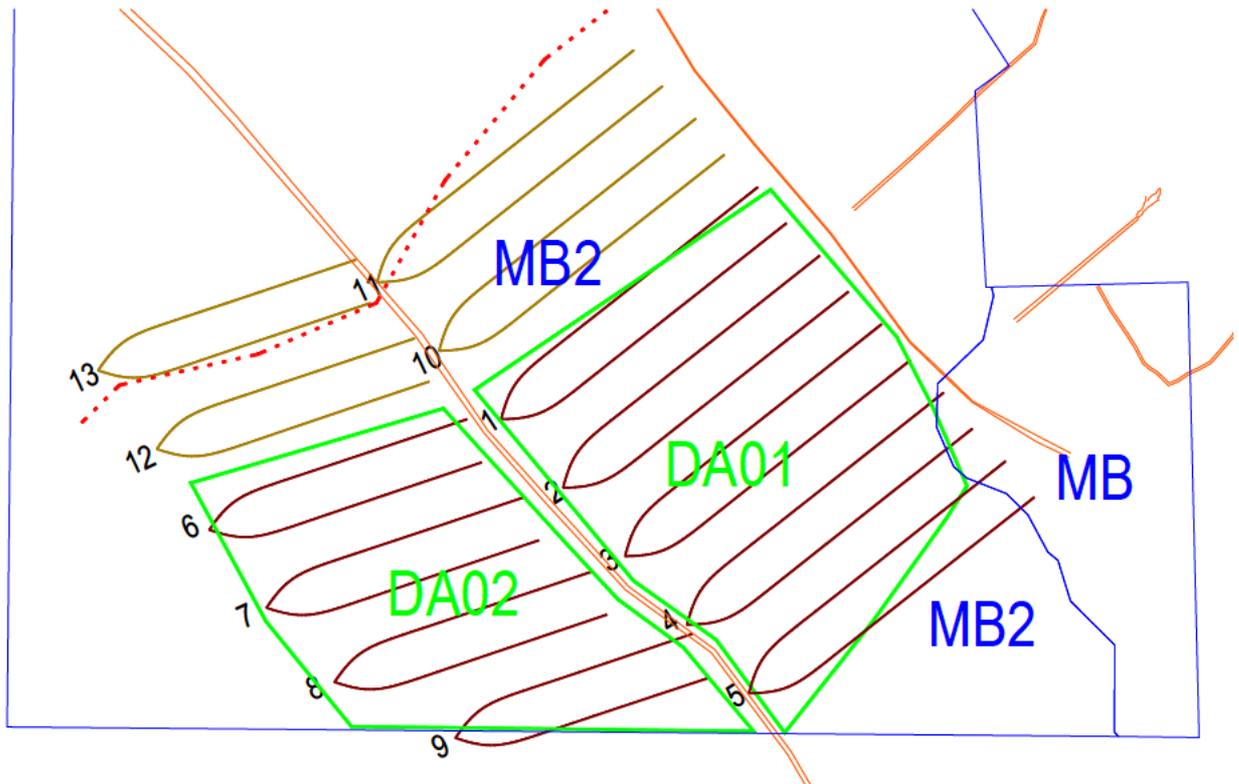
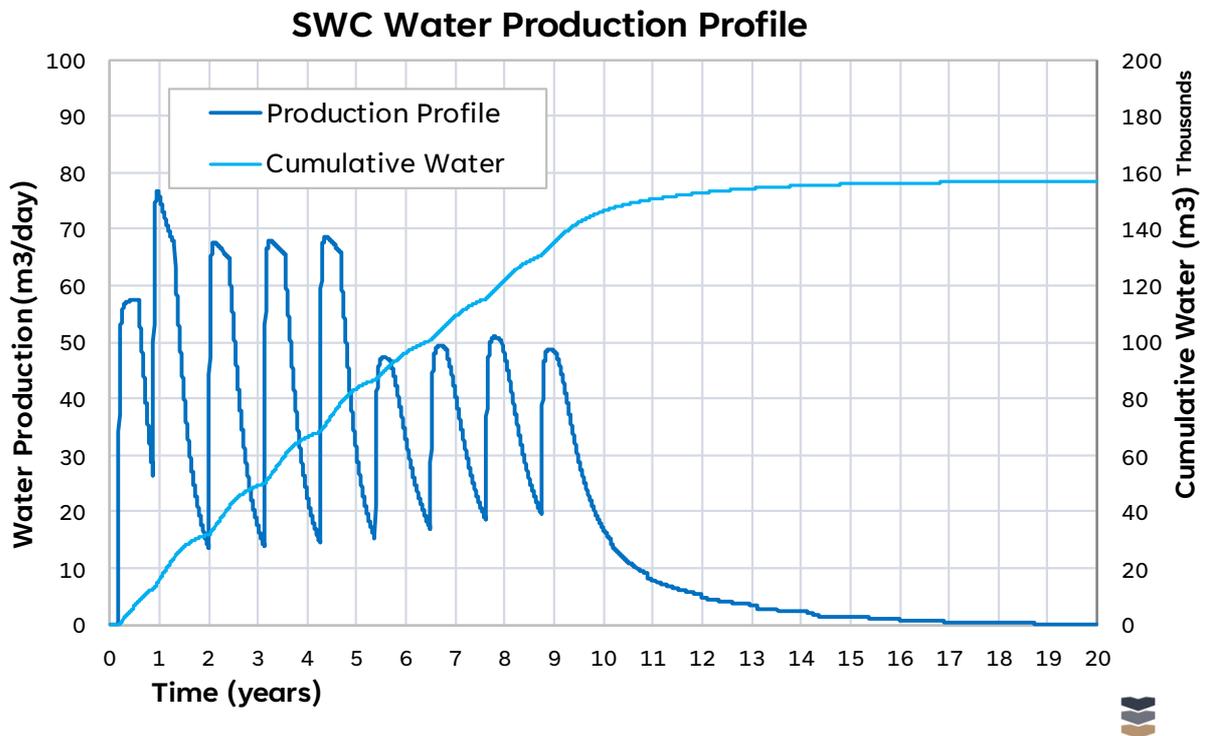


Figure 7-4: Water Production Profile


7.3 Coal not Mined

During the term of this development plan no coal will be mined.

The future extension of open cut pit Toolah into ASAA9 is planned to mine all Rangal Coal Measure seams to an economic depth, which is the base of the MB2 seam. The MBF seam will be left in situ as it is too high in ash for an extractable resource.

At this stage it has not been determined the full extent of the viability of the seams and associated gas for distant future underground operations, further resource definition and feasibility studies are required to determine this.

7.4 Life of Mine Plan

s318DT(1)(a)

The current Life of Mine Plan for SWC is 22 years to 2046. However, this does not include the significant extensions of current operations to the north and west (underground) within ML 4750. With further exploration in the current nil surface areas and resulting resource definition these expected reserves can be added to the Life of Mine Plan.

Figure 7-1 shows the LOMP period progression to 2046. A portion of the ASAA9 is already included in this plan but not until 2030 which is outside the 5 year time frame of this IDP.

8 Mine Infrastructure

s318DT(1)(a), 318DT(1)(b)(ii), s318EA

8.1 Mine Access

Access to ASAA9 is through the dedicated SWC Mine Access, which is directly connected to the Peak Downs Highway. An extension road into the gas development field and power station will be constructed off the main mine access.

8.2 Mine Infrastructure Area

The mine is serviced by significant workshop and office complexes located mainly within the South Walker Creek industrial area on ML 70131, per Figure 8-1. The Coal Handling and Preparation Plant (CHPP) is located within ML 4750 just over the ML 70131 boundary, whilst the Train Load Out (TLO) is within ML 70131.

All facilities are designed and maintained to provide safe and efficient work areas for employees and contractors and to ensure compliance with SMC's environmental obligations including the effective treatment of wastewater.

Stanmore has significantly increased the equipment onsite since acquisition. The equipment currently used on site in the operational areas outside of the ASAA9 is summarised in the Table 8-1.

Table 8-1: Onsite Equipment

Equipment	South Walker Creek
Draglines	2 x Marion 8050
Excavators	2 x CAT6060 3 x HITACHI 3600 6 x HITACHI 5600 1 x LIEBHERR R996B
Trucks	20 x KOMATSU 830E-1AC 18 x CAT789C 19 x CAT793D
Loaders	3-4 x CAT993K 1 x 966M 1 x CATERPILLAR 992K 1 x KOMATSU WA1200-6
Bulk Push Dozers	5-7 x CATD11

8.3 CHPP

All coal mined at SWC is processed through the CHPP, ROM and rail-out facility located on ML 4750 and ML 70131 respectively.

The CHPP is a xxxx plant that currently processes 8.4Mtpa based on a 7,700h/pa operating hours and feed rate of 1,100tph. A \$125M CHPP upgrade will occur in late 2024 to achieve a 9.4Mtpa headline feed capacity with a 1200tph feed rate and 7,800h/pa operation.

The CHPP produces ~75% yield of low volatile PCI coal with a high energy yield of >7000kcal/kg gar product. Processed yields do vary from low 60's% to high 90's% depending on the feed ash and wash cut points, however the plant achieves a constant ash product.

8.4 Power Plant

Assuming successful permeability and gas extraction testing, an onsite 20 MW Power Station with capacity for 30MW is to be constructed within the ASAA9.

It will be fuelled by the pre-drainage gas extracted ahead of the open cut and potential underground operations. It is planned to supply the mine with electricity on a 24/7 basis. The power station will be connected directly into the mine supply but will also connect to the Ergon network in the area which currently feeds electricity to SWC.

The generation capacity will be delivered using multiple gas fuelled reciprocating engines. Gas turbine technology will be either open or combined cycle.

8.5 Water Supply

South Walker Creek has 3 water supplies. The main supply comes from the Braeside East Water Pipeline. Supplementary supplies come from a connection to neighbouring mine Coppabella and an in pit mine water storage on F pit.

9 Public Interest and Economic Benefit

s318EA

The South Walker Creek Mine provides economic benefit to the local region, Queensland and Australia. A total of approximately 700 full time employees are employed at SWC Mine, in addition to over 1000 permanent contracting partners who provide a range of services to the mining operations.

Stanmore plays an important role in the township of Moranbah and Nebo, during the 2022 calendar year,

Stanmore's Nebo

Camp accommodates workers for the mine and is an integral source of income and resources for the town of Nebo.

Ongoing into its sixth year Stanmore supports the local community through the Community Grant Program. The program is designed to support Central Queensland-based community groups, clubs, schools and not-for-profit organisations to deliver local initiatives that support community development. for initiatives that promote community health and wellbeing, support young people in the region, provide opportunities for Indigenous engagement or support the environment.

SWC Mine has steadily increased royalties and public rates since Stanmore acquired the mine in 2022 to the Queensland Government. The Australian Government receives significant direct and indirect tax revenue from the mine. The Project is important to continue the success of the SWC Mine as a whole because it provides additional mining area which will extend the life of the mine and the associated socio-economic benefits.

10 Additional Information

s318DT(1)(e), s318EA

10.1 Value of coal production

10.2 Value of CSG Production

Employment creation

For the Gas Project, there will be a number of new roles created to support the project. During the 9-12 month construction period, it is expected around 25-35 people will be required. The skillset will be a mix of engineering, geology, drilling and trade professionals. Once operational, it is expected that 2-3 people will be employed fulltime onsite to provide ongoing support for the project. In addition, it is expected that new drilling works will occur each year for replacement wells and maintenance shutdowns will occur on the powerstation. These will require additional support that is most likely to be sourced locally.

10.4 Return to the State and Australia

Coal sales are estimated to generate royalty payments to the State of _____ over the life of the operations at the price and exchange rate assumptions above.

Additional revenue will be generated for the State and Australia through other charges, GST, Company Tax and other tax/levy payments from the ongoing operations at the site.

No sales will be produced from the CSG drainage however the savings in greenhouse gas emissions and utilising the fugitive gas is a tremendous saving to the environment.

10.5 Social Impacts

The social impacts and benefits of the project are:

- A retention of workers and employment levels in the area, with this mine continuing to contribute significantly to the Isaac Region and beyond to enrich the wider Queensland populace;
- Continued positive impacts on the local labour force and small businesses; and
- Financially positive impacts on community services and facilities.
- Further job creation

11 Incidental Coal Seam Gas

Section 318DW

As mentioned above, Stanmore owns the gas rights to ML 4750 and plans to extract the CSG to supply an onsite 20MW Power Plant to supply the mine with electricity.

This will minimize and or nullify the fugitive gas emissions and maximise the use of the resources contained within.

12 Additional Requirements for Mineral Hydrocarbon Leases

Section 760

Previously under BMC ownership, a Fugitive Emissions Drainage gas pilot trial project was undertaken to test reservoir performance and gas production viability. Despite showing technical success it was determined that the gas was commercially unviable due to low production rates and the lack of established gas infrastructure and facilities nearby. Stanmore has reviewed this option and concurs with BMC's conclusion.

As the gas needs to be drained ahead of future opencut operations Stanmore has assessed and determined the gas utilisation as viable to extract and power an onsite 20MW power station to be built within the ASAA9. The primary purpose of the generation project will be to supply the mine's electrical demand on a 24/7 basis. The power station will be connected directly into the mine supply but will also connect to the Ergon network in the area which currently feeds electricity to SWC. The mine will retain its grid connection which will offer greater security of supply than being solely dependent on this project.

Mineral Resources Act 1989, Petroleum and Gas (Production and Safety) Act 2004, Petroleum Act 1923, Geothermal Energy Act 2010, Greenhouse Gas Storage Act 2009 and Mineral and Energy Resources (Common Provisions) Act 2014
Version 2

This is a template form and is not an approved form. You may complete the original of this form and submit with another approved form using **MyMinesOnline**.

Refer to the **Permit application, Permit administration guide, Permit renewal guide** or any other Department guide for assistance. Please use a pen, and write neatly using **BLOCK LETTERS**. If insufficient space anywhere on this form, please attach a separate document.

This form is to provide written consent of all holders to an activity or transaction relating to the permit.

1. Name of holder(s)

Company name / surname:	Stanmore SMC Pty Ltd		
Given names (if individual):		ACN/ARBN:	34 009 713 875
Company name / surname:			
Given names (if individual):		ACN/ARBN:	
Company name / surname:			
Given names (if individual):		ACN/ARBN:	
Company name / surname:			
Given names (if individual):		ACN/ARBN:	

2. Permit details

Permit type	Number(s)	Permit type	Number(s)
ML	4750		

3. Consent particulars

- I/we give our consent to the lodgement/submission of an application or activity on the above listed permits held by me/us.

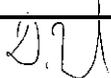
Permit application	<input type="checkbox"/>	Later work program	<input type="checkbox"/>
Permit renewal	<input type="checkbox"/>	Later development plan	<input type="checkbox"/>
*Transfer	<input type="checkbox"/>	Other (specify) <u>Surface ML Application</u>	<input checked="" type="checkbox"/>

*Mining claim Only By ticking this box -

I/we confirm the sale price for transfer includes the amount of financial assurance/provision paid for rehabilitation purposes held in respect of the environmental authority or small scale permit

4. Declaration of holder/s

- I/we hereby consent to the lodgement /submission of an application or activity for the above mentioned resource permit

Print name:	Damian Zagel	Signature:	
Position:	Director	Date:	17/07/2024
Print name:		Signature:	
Position:		Date:	
Print name:		Signature:	
Position:		Date:	
Print name:		Signature:	
Position:		Date:	

Disclaimer

The Queensland Government is collecting information provided on this form under the *Mineral Resources Act 1989 (MRA)*, *Petroleum and Gas (Production and Safety) Act 2004 (P&G)*, *Petroleum Act 1923 (PET)*, *Geothermal Energy Act 2010 (GEA)*, *Greenhouse Gas Storage Act 2009 (GHG)* and *Mineral and Energy Resources (Common Provisions) Act 2014 (MERC P)*. This information is authorised by the provisions under this legislation. Some or all of this information may be provided to other agencies of the Queensland Government to make register searches, extracts or copies under section 199 of the MERC P, or to make other approvals as required under the Act. Your personal information will not otherwise be disclosed to any other third party without your consent, unless authorised or required by law.



26 November 2024

Department of Resources
Coal Assessment Hub
Building E, 25 Yeppoon Road
Parkhurst QLD 4702

RE: NOTICE TO APPLICANT REF#437772

RESTRICTED LAND, CONSENT TO APPLY FOR ML SURFACE RIGHTS AND ENTER RESTRICTED LAND

Dear Sir/Madam,

In response to "Notice to Applicant" section 386J of the Mineral Resources Act 1989 (MR Act) Reference Number 437772, please find Stanmore's response below.

1) Restricted Land

Stanmore SMC Pty Ltd a wholly owned subsidiary of Stanmore Resources Limited (Stanmore), have lodged an Additional Surface Area Application (ASAA9) over ML 4750, under s.245 ("Application for grant of mining lease") of the *Mineral Resources Act (MRA) 1989*. This application is located in the south-west corner of ML 4750 held by Stanmore SMC Pty Ltd and is shown in **Figure 1**.

As requested, and in accordance with section 245(h)(ii) of the Mineral Resources Act 1989 please refer to **Figure 2**. This figure shows the 2 water bores and dam that are considered restricted areas located within the ASAA9 on Lot 8 on SP155252, as per section 68(1) of the Mineral and Energy Resources (Common Provisions) Act 2014 Act.

The referred to restricted land consists of:

- Registered bore RN182784
- Registered bore RN182785; and
- Dam (located: located -21.80931 Latitude, 148.44069 Longitude)

2) Owners Consent

As the registered owner of Lot 8 on SP155252 (Lot 8), Stanmore SMC Pty Ltd ACN 009 713 875 hereby provides consent for itself; Stanmore SMC Pty Ltd in relation to:

- a. the making of Additional Surface Area Application over ML 4750 over the surface of any areas of restricted land on Lot 8 and the subsequent grant of that surface area; and

Stanmore Resources Ltd

Registered address
Level 32, 12 Creek Street
Brisbane QLD 4000

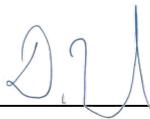
Postal address
GPO Box 2602
Brisbane QLD 4001

Tel +617 3238 1000

ACN 131 920 968

- b. access to the areas of restricted land for the purpose of the grant of surface rights on ML 4750 and the carrying out of activities authorised under that tenement for the duration of the grant, including any renewals, replacements or consolidations.

This letter constitutes the written consent of Stanmore SMC Pty Ltd for the purposes of section 238 of the *Mineral Resources Act 1989* (Qld) and section 70 of the *Mineral and Energy Resources (Common Provisions) Act 2014* (Qld), as the owner of the above mentioned land.



Director

Damian Zagel

Full name of Director

26/11/2024

Date

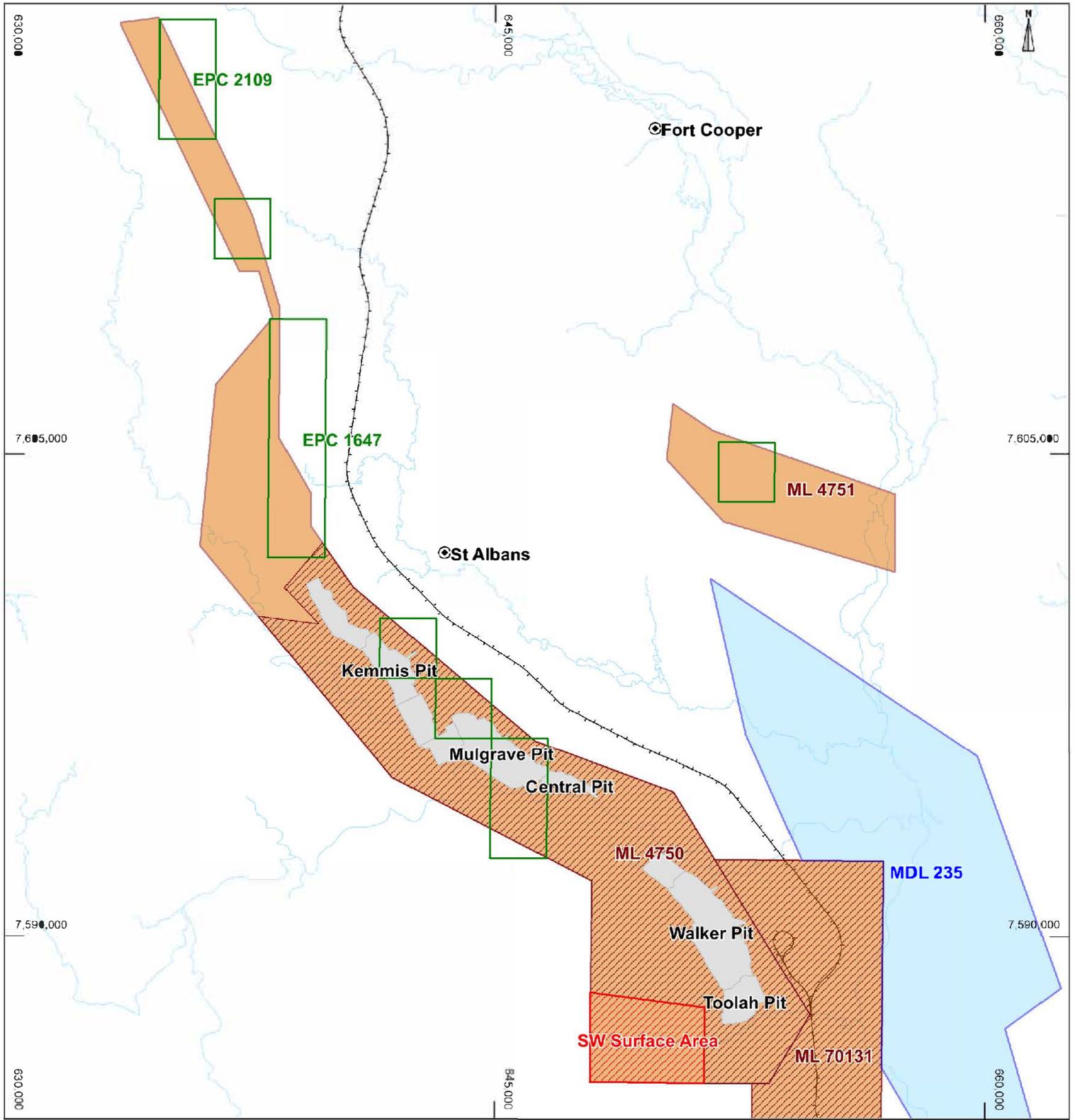
Director/Secretary

Rees Fleming

Full name of Director/Secretary

26/11/2024

Date



TENEMENTS AND SURFACE AREAS

ML 4750 SW SURFACE AREA APPLICATION IDP

Figure: 1 | Version: 1 | Drawn: A. Jones | Reviewed: N.Clifford | Exported: 10/08/2023



Scale 1:165,000

Projection: MGA2020 Zone 55

Stanmore Tenure

- | | | | | | |
|--|------------------|---|-----------------|---|-------------|
|  | MDL |  | SW Surface Area |  | Places |
|  | ML |  | ML Surface Area |  | Rail |
|  | EPC |  | |  | Watercourse |
|  | Pits/Mined Areas | | | | |

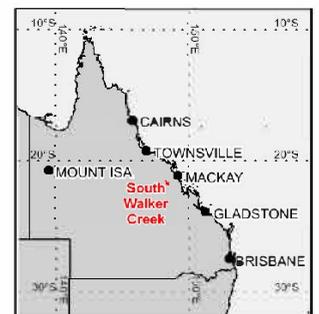
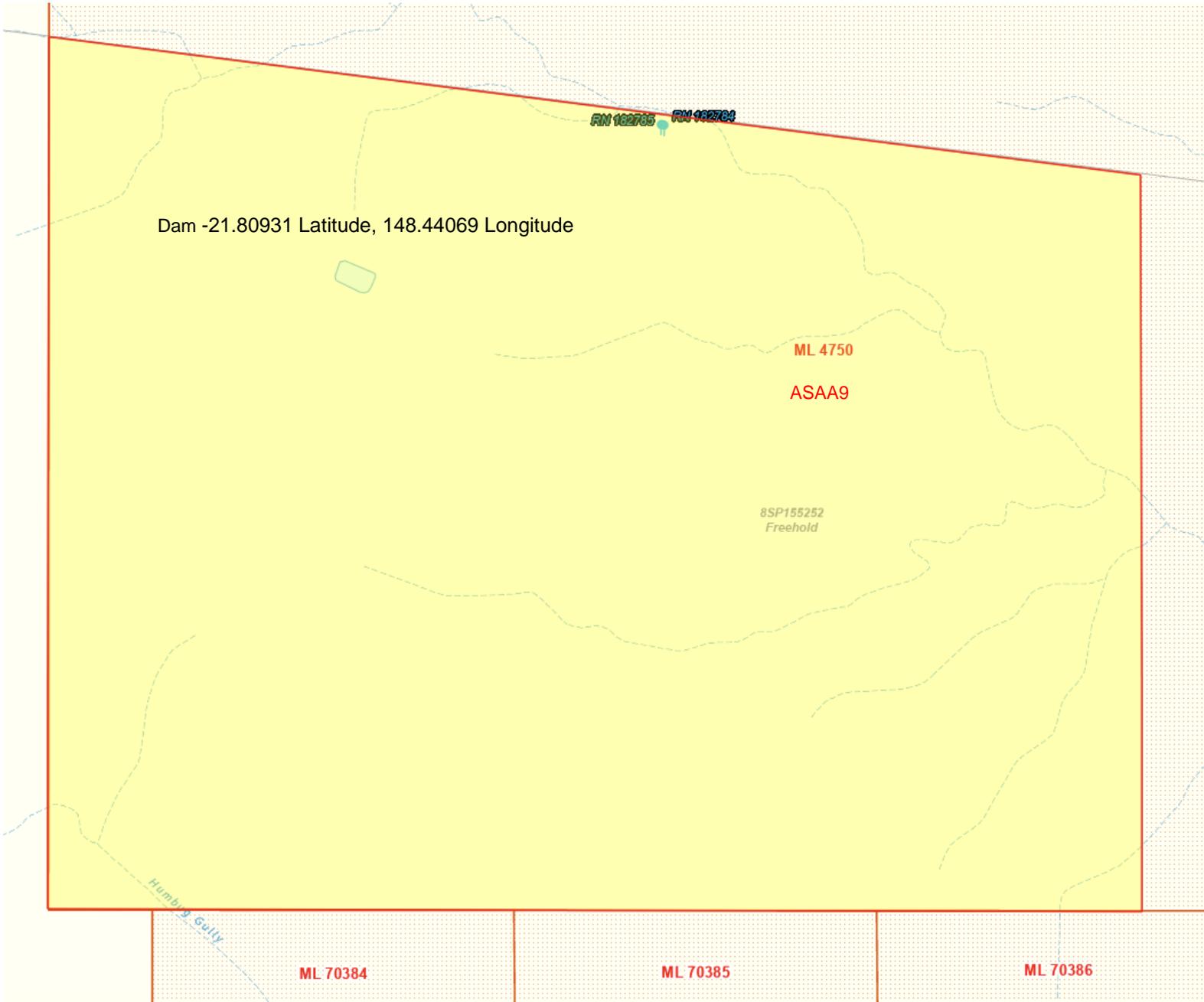


Figure 2



Lot	Plan	Tenure/Land	Land Parcel Name	Current Usage	Type	Landowner Name	Landowner Address
1	SP107309	Adjoining	N/A	Grazing	Freehold	Peabody Bistotel Pty Ltd	Level 14, 31 Duncan Street, Fortitude Valley QLD 4006
8	SP155252	ML 4750	N/A	Mining	Freehold	Stanmore SMC Pty Ltd	Level 32, 12 Creek Street Brisbane QLD 4000
7	SP155252	ML 4750	N/A	Mining	Freehold	Stanmore SMC Pty Ltd	Level 32, 12 Creek Street Brisbane QLD 4000
9	SP155252	Adjoining	N/A	Infrastructure Electrical	Leasehold	Ergon Energy	Ergon Energy PO Box 1090, Townsville, Qld, 4810
9	SP155252	Adjoining	N/A	Infrastructure Electrical	Leasehold	The State of Qld (Represented by Department of Transport	PO Box 62, Mackay QLD 4740
1	SP144274	Adjoining	Harrybrandt	Grazing	Freehold	Peabody Bistotel Pty Ltd	Level 14, 31 Duncan Street, Fortitude Valley QLD 4006
36	KL811178	Adjoining	Dipperu	Grazing	Leasehold	AHR Symonds	Mt Flora Station M/S 328 Nebo Qld 4742
4	SP144274	Adjoining	Harrybrandt	Grazing	Leasehold	J.J Borg	Harrybrandt via Nebo Qld 4742
5	WHS138	Adjoining	Bluevale	Grazing	Freehold	Wuthung Holding Pty Ltd	Bluevale 79 Airstrip Road Nebo Qld 4742
6	WHS138	Adjoining	Jagodale	Grazing	Freehold	GJ & R Blackburn	PO Box 4, Mirani, Qld 4754
7	WHS139	Adjoining	Alameda Downs	Grazing	Freehold	Hail Creek Coal Holdings Pty Ltd	PO Box 3153 North Mackay Qld 4740
90	SP315848	Adjoining	Oxford Downs	Grazing	Freehold	Alan Griffiths Symonds	Mt Flora Station M/S 328 Nebo Qld 4742
91	SP315848	Adjoining	Oxford Downs	Grazing	Freehold	Alan Griffiths Symonds	Mt Flora Station M/S 328 Nebo Qld 4742
1	RP902533	Adjoining	Rail Corridor	Transport	Freehold	Dept of Transport and Main Roads/Aurizon	PO Box 62, Mackay Qld 4740
20	SP130063	Adjoining	Rail Corridor	Transport	Freehold	Dept of Transport and Main Roads/Aurizon	PO Box 62, Mackay Qld 4740
21	SP130064	Adjoining	Rail Corridor	Transport	Leasehold	Dept of Transport and Main Roads/Aurizon	PO Box 62, Mackay Qld 4740
2	SP144274	Adjoining	Rail Corridor	Transport	Leasehold	Dept of Transport and Main Roads/Aurizon	PO Box 62, Mackay Qld 4740
3	SP145152	Adjoining	Rail Corridor	Transport	Leasehold	Dept of Transport and Main Roads/Aurizon	PO Box 62, Mackay Qld 4740
6	SP155252	Adjoining	Rail Corridor	Transport	Leasehold	Dept of Transport and Main Roads/Aurizon	PO Box 62, Mackay Qld 4740
All		Native Title Holder	ML4750	Mining		Barada Barna Aboriginal Corporation RNTBC (ICN8343)	c/- Dillon Bowers Lawyers, 62 Blackwood Street, Townsville, Qld, 4810
All		Local Government	ML4750	Mining		Isaac Regional Council	The Chief Exective Officer, Isaac Regional Council, PO Box 97, Moranbah, Qld 4744



Certificate of Registration on Change of Name

This is to certify that

BHP MITSUI COAL PTY LTD

Australian Company Number 009 713 875

did on the eleventh day of May 2022 change its name to

STANMORE SMC PTY LTD

Australian Company Number 009 713 875

The company is a proprietary company.

The company is limited by shares.

The company is taken to be registered under the Corporations Act 2001 in Queensland and the date of commencement of registration is the twenty-third day of February, 1962.

Issued by the
Australian Securities and Investments Commission
on this eleventh day of May 2022.

A handwritten signature in black ink, appearing to read 'J Longo'.

Joseph Longo
Chair

CERTIFICATE