



ANNUAL REPORT FOR: RETENTION LICENCE 8/1987

FOR PERIOD: July 2019 to June 2020

AUTHOR: K Falconer

DATE: November 2020

Submitted by:

A handwritten signature in blue ink, appearing to be 'K Falconer', is written over a horizontal dotted line.

Keith Falconer
Cornwall Coal Operations Manager

Abstract

Retention Licence RL8/1987 is located on the south west corner of Mining Lease ML1653PM and has an area within its boundary of 9 sqkm. The northern section of the licence is excluded as there is an overlap from Mining Lease ML1653PM and this reduces its size to 7sqkm. The licence area contains a potential open cut resource, but is more importantly considered as a location for the portals of a replacement underground mine to Blackwood 4, namely Blackwood 6. The mine is currently conducting a feasibility study in this regard which includes modelling of existing data and defining the outcrop of coal bearing strata. An application to convert the RL to a ML has been lodged.

Figure 1 shows the relativity of the RL to the ML and the extent of the exclusion area.

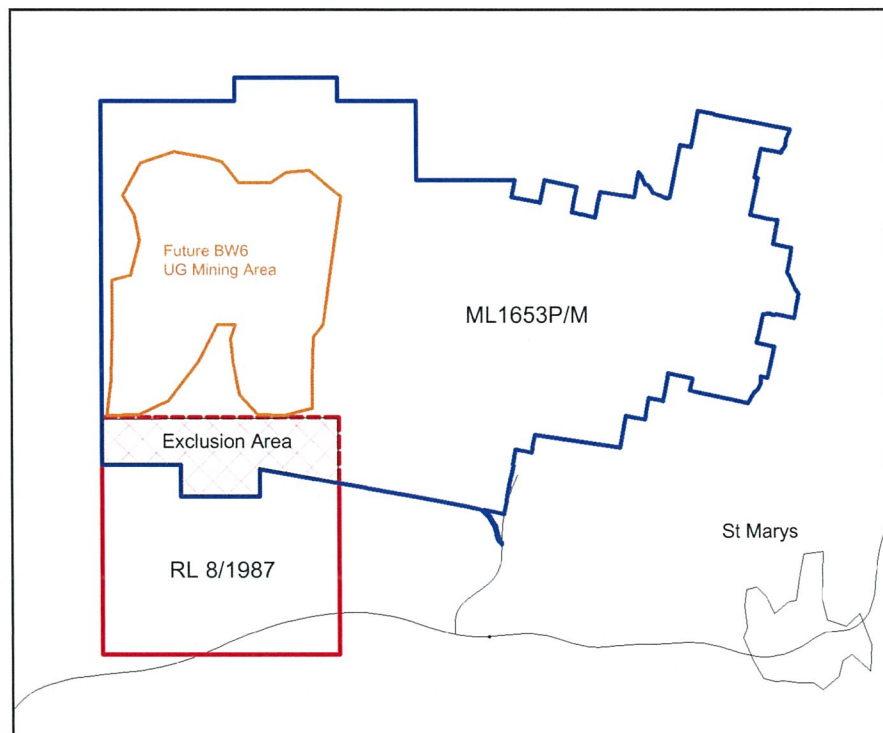


Figure 1 Position of RL relative to the ML and St Marys township

1 Introduction

For this report:

- The datum used is GDA94,
- The exploration rationale is to determine where the seam outcrops and the nature of the cover in this area of sub outcrop.
- What the size of any opencut resource may be which could be removed during the site preparation for an underground mine.
- The nature of the overlying strata at the proposed location of the underground mine entries.
- The licence number is RL8/1987 and the licence area is located in the Fingal Valley west of St Marys,
- The reporting period is from July 2019 to June 2020,
- The single owner is Cornwall Coal which is a wholly owned subsidiary of Cement Australia Pty Ltd.

The coal resource within RL8/1987 is a continuation of the underground coal resources found within ML1653PM which outcrops on the southern side of Mt Nicholas. The area was explored by Shell Australia in the 1980s and resources were identified in the Upper and Lower Fenton coal seams and exploration reports were provided to the Tasmanian Government at the time. The resulting feasibility studies and abridged geological information is in Cornwall Coal's possession. Since that time and up until this year there has been no physical exploration of significance. The location of RL8/1987 is shown in Appendix 1.

2 Review of Previous Work

Previous work has comprised of drilling thirty five (35) drillholes. Of these holes 32 holes were drilled by Shell in 1980-1981, twenty four (24) of them are in the exclusion zone and eleven (11) in the RL area. Drillhole data in terms of hole number, location, collar RL and total depth is given in Appendix 2 and their location is shown in Appendix 3. Much of the Shell data is contained in MRT report 83-1896 which has diagrammatic representations relating to geology, coal seam profiles, geotechnical testing and coal analysis. Some of the data was entered into the Cornwall Coal Mt. Nicholas geological model to the extent that it was needed for underground planning purposes.

Cornwall Coal have recently reviewed previous evaluations of this data and estimates that approximately 50kt of Fenton seam coal (Upper and Lower) at a strip ratio of 10:1 is available to extract as an opencut resource during the exposure and surface preparation work which would be required to construct a highwall entrance into the Blackwood 6 Underground mine. The underground mining potential from this location is estimated to be 12 million tonnes.

3 Exploration Completed During Reporting Period

In relation to exploration work completed during the period:

- No regional exploration activities have occurred.
- No prospect based exploration activities have occurred.
- Desktop work was carried out and is still ongoing with regards to the consideration of the underground mine potential.
- Survey work has been undertaken to consider the best means of accessing the mine site and the potential location of buildings and services
- Surface environmental impact studies are underway with the purpose of obtaining sufficient information to lodge a Development Application

4 Discussion of Results

The work undertaken during the reporting period has resulted in the view that an underground entrance would fall outside of the consolidated mining lease ML1653 and within RL8/1987. As a result of this, an application has been lodged to convert the retention licence to a mining lease.

The likely location of the portals has been marked out on surface and further work is planned to better understand the nature of the overlying strata.

5 Relationship to ML1653 P/M

RL8/1987 is located on the South West corner of ML1653 P/M. There is no separate geological model for this Retention Licence as the area is covered by the geological model that Cornwall Coal maintains for Mt Nicholas. That model is provided to MRT as part of the confidential reports submitted for ML1653 P/M.

6 Conclusions

From results obtained both prior to the reporting period and during the last reporting period it is concluded that there are potential coal resources within the RL which are amenable to open cut and underground extraction.

7 Environment

The License Holder has not accessed the License area to undertake exploration activities during the reporting period consequently it is reported that there has been no surface disturbance. There has been access on foot for the purpose of land survey, environmental investigations and familiarisation.

8 Expenditure

Expenditure is estimated at:

Environmental studies	\$ 40 000
Survey work and preparation of mine plans and proposed layouts	\$ 20,000
Total	\$ 60,000

9 References

There are no References.

APPENDICES

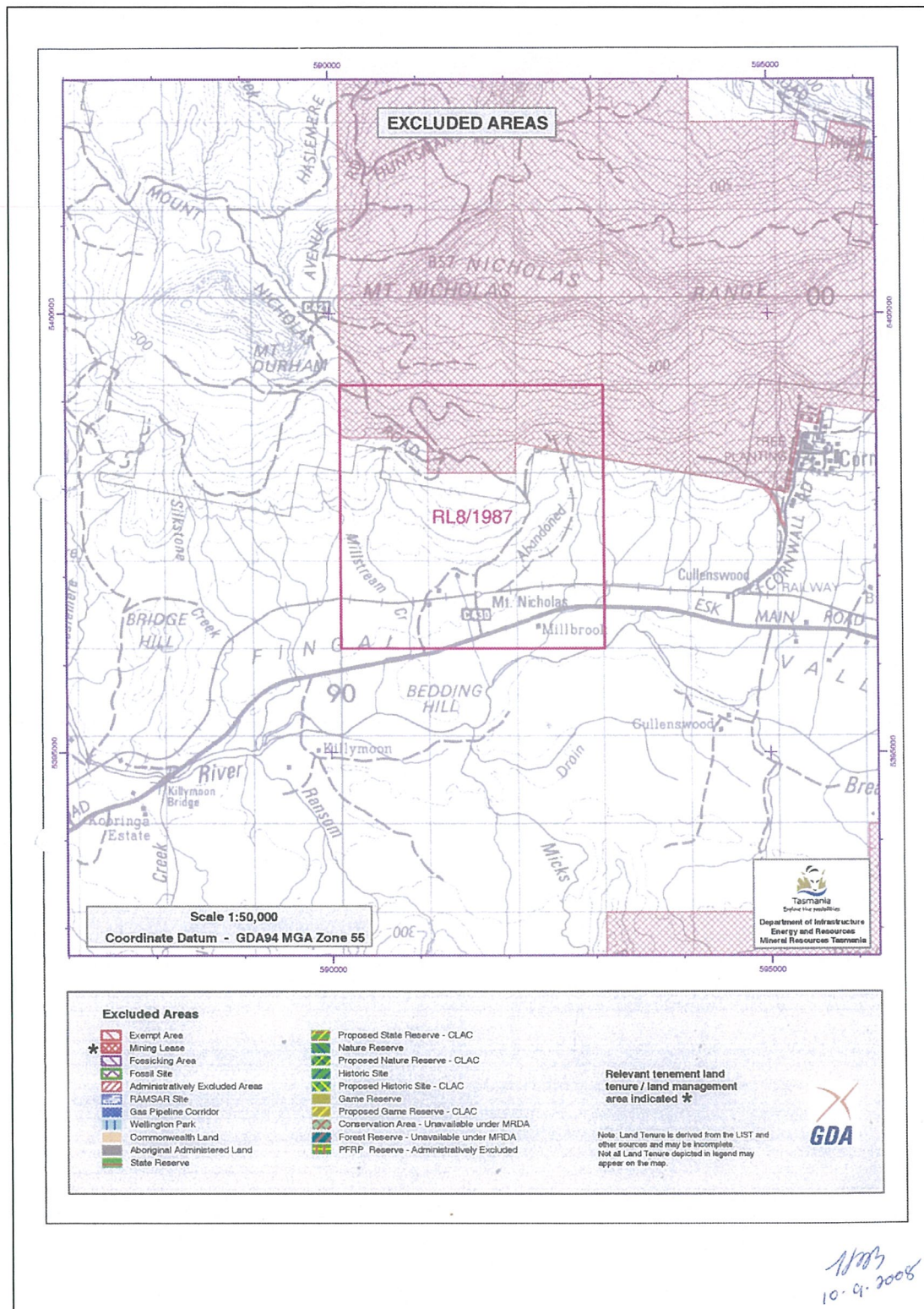
APPENDIX 1 - Location plan from MRT Files.

APPENDIX 2 - Listing of drillholes.

APPENDIX 3 - Location of drillholes

APPENDIX 4 - Conceptual Plan showing site and underground access

Appendix 1 - Location of RL8/1987 from MRT Files



Appendix 2 – Listing of Drillholes within the Overall RL Boundary

Drill Hole	East (MGA)	North (MGA)	Collar RL (AHD)	Total Depth
GY35	591,817.0	5,398,118.0	356.0	56.7
GY117	591,046.2	5,398,372.0	392.8	54.5
GY120	590,917.2	5,398,461.0	394.5	54.0
GY121	590,862.2	5,398,382.0	349.9	18.3
GY122	590,830.2	5,398,906.0	475.0	30.3
GY123	591,979.2	5,398,798.0	463.0	141.4
GY124	591,025.2	5,398,987.0	453.6	4.3
GY127	591,765.2	5,398,847.0	473.0	48.5
GY128	591,457.2	5,398,937.0	473.5	64.0
GY130	591,149.2	5,398,952.0	457.2	42.0
GY132	591,567.2	5,399,912.0	620.7	283.9
GY135	591,079.2	5,398,984.0	458.1	18.0
GY136	590,956.2	5,398,918.0	453.1	36.5
GY137	590,742.2	5,398,454.0	357.1	16.0
GY138	590,692.2	5,398,570.0	372.1	31.0
GY141	590,275.2	5,398,775.0	458.8	42.5
GY142	592,028.2	5,398,467.0	393.3	62.0
GY143	590,507.2	5,398,426.0	355.2	24.5
GY146	592,078.2	5,398,308.0	352.0	17.4
GY151	590,949.2	5,399,237.0	524.1	186.4
GY157	591,000.2	5,398,413.0	393.0	54.5
GY164	590,957.2	5,398,345.0	355.8	18.2
GY166	592,116.2	5,398,397.0	364.0	36.5
GY167	591,912.2	5,398,843.0	468.7	45.0
GY168	591,075.2	5,399,072.0	472.7	132.4
GY173	590,818.2	5,398,436.0	357.9	10.9
GY28	591,014.2	5,399,777.0	593.5	335.0
GY33	590,518.2	5,398,870.0	467.2	132.9
GY38	591,303.2	5,398,306.0	391.4	75.0
GY40	590,411.2	5,399,744.0	583.8	229.5
GY41	591,311.2	5,398,788.0	448.8	118.0
GY43	591,625.2	5,399,433.0	559.1	238.3
DDH16	592,559.0	5,398,690.0	394.0	54.3
DDH21A	593,067.0	5,398,585.0	400.0	45.3
C0021	593,068.0	5,398,588.0	401.0	80.0
C1101	593,639.5	5,401,723.4	448.8	60.8
Total metres				2,898.7

Drillholes in 'Excluded' area

Appendix 4 – Conceptual Plan showing site and underground access

