BC Geological Survey
Coal Assessment Report
1040

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: **Assessment Report:**
2017 Tent Mountain Exploration Program

TOTAL COST: **$ 1,705,632.50**

AUTHOR(S): **Dave Thompson, P.Geo.**

SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

1. **Mines Act Permit CX-05-017, Approval #14-1630657-0625, issued June 25, 2013**

YEAR OF WORK: 2017
PROPERTY NAME: Michel Creek Coking Coal Project, Tent Mountain Property
CLAIM NAME(S) (on which work was done): Coal Licence #418318

COMMODITIES SOUGHT: Coal

MINING DIVISION: FORT STEELE
NTS / BCGS: 82G/10E
LATITUDE: 49.553° N
LONGITUDE: -114.731° W (at centre of work)
UTM Zone: 11 EASTING: 664144m NORTHING: 5491991m

OWNER(S): North Coal Limited

MAILING ADDRESS: #5000 Hwy 43, Sparwood, BC V0B 2G1

OPERATOR(S) [who paid for the work]: North Coal Limited

REPORT KEYWORDS: Jurassic/Cretaceous, Mist Mountain Formation, Coal

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: Assessment Report #922:
2013 Geological and Drilling, Report on the Tent Mountain Coal Property

SUMMARY OF TYPES OF WORK IN THIS REPORT		EXTENT OF WORK (in metric units)	ON WHICH TENURES
GEOLOGICAL (scale, area)			
	Ground, mapping		
	Photo interpretation		
GEOPHYSICAL (line-kilometres)			
	Ground		
	(Specify types)		
	Airborne		
	(Specify types)		
	Borehole		
	Gamma, Resistivity,	5212m	418318
	Resistivity	5212m	418318
	Caliper	5212m	418318
	Deviation	5212m	418318
	Dip	5212m	418318
	Others (specify)		
DRILLING			
	Core	570m	418632
	Non-Core	4642m	418632
SAMPLING AND ANALYSES			
	Proximate	751 samples	418632
	Ultimate		418632
	Petrographic	83 samples	418632
	Vitrinite reflectance	83 samples	418632
	Coking		418632
	Wash tests	132 samples	418632
PROSPECTING (scale/area)			
PREPARATORY/PHYSICAL			
Line/grid (km)			
Trench (number, metres)			
Bulk sample(s)			

Parts of Page 5 (Resources), Table 1 part of Section 3.2, Section 6 (pages 21 and 22), parts of Section 9, and Appendix D remain confidential under the terms of the Coal Act Regulation, and have been removed from the public version.

http://www.bclaws.ca/civix/document/id/complete/statreg/251_2004

ASSESSMENT REPORT

2017 Tent Mountain Exploration Program

Owner and Operator: North Coal Ltd.

Authorship: ***Dave Thompson, P.Geo.***

Chief Geologist, North Coal Ltd.

March 2018

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1 Introduction and Summary

This report describes the exploration work conducted on the Tent Mountain property owned by North Coal Ltd. (formerly CanAus Coal Ltd.) in the Michel Creek area near Sparwood, BC, as part of the overall Michel Creek Coking Coal Project (Figure 1.1).

In 1972 Kaiser Resources conducted an exploration program of road building, geological mapping and coal outcrop sampling on the Tent Mountain property between Tent Mountain and Michel Creek, just west of the Alberta-BC border. No known coal exploration drilling was undertaken. Kaiser estimated the potential resource on the Tent Mountain property at 11.3Mt.

The 2013 exploration program by CanAus Coal Ltd included six reverse circulation drillholes on Tent Mountain with wider spaced (200 to 1000m) drilling and coal sampling. Samples were taken during the reverse circulation drilling which were used to map coal seam rank variability. [redacted]

In 2017, CanAus Coal Ltd. changed its name to North Coal Ltd.

The 2017 program included a total of 5212m of drilling in 38 holes, including 4642m in 31 reverse circulation holes and 570m in 7 large diameter core holes. This drilling was intended to confirm and define the resources indicated from historic drilling and mapping. Coal samples were collected from all the drillholes and analyzed for washability and coking coal characteristics. [redacted]

[redacted]

Figure 1.1 Location Plan

2 Property and Location

2.1 Ownership

Mineral rights are wholly owned by North Coal Ltd. (formerly CanAus Coal Ltd.) Surface rights are held by CanWel Timber Ltd. as part of their free-hold Tent Mountain Block (PID 023-431-482, Lot 2 District Lot 4590, Kootenay District Plan 229332). There are no oil and gas drilling activities on the property; however, a FortisBC gas pipeline, which supplies the Coal Mountain Mine, crosses the western edge of Coal License 418318.

At this time there are no environmental liabilities identified on the property.

2.2 Property

The approximate centre point of the Tent Mountain property is 5,491,991N and 664,144E (UTM NAD 83 Zone 11). The Tent Mountain property, held by North Coal, represents one coal license (Table 2.2.1). 2017 work was performed on Coal License 418318. A location map shows information on the licenses (Figure 2.2.1).

Table 2.2.1 Tent Mountain Property Coal License

Coal Licence	Property Name	Approx. Area (ha)
418318	Tent Mountain	417

The property is situated in the northwest trending Front Ranges of the Rocky Mountains physiographic region, which is characterized by a series of steep mountains running to the northwest, incised by west flowing streams. Figure 2.2.1 shows the Tent Mountain property in relation to the other North Coal license areas. Elevations range from ~1,400m along Michel Creek to a height of 1,680m at Tent Mountain.

The Tent Mountain property is located between two open pit coal mines owned and operated by Teck Coal Ltd. The Teck Elkview Operations produce metallurgical coal approximately 20km north from the center of the Tent Mountain property and their Coal Mountain Operations produce both thermal and PCI coal approximately 9km south from the centre of the Tent Mountain property.

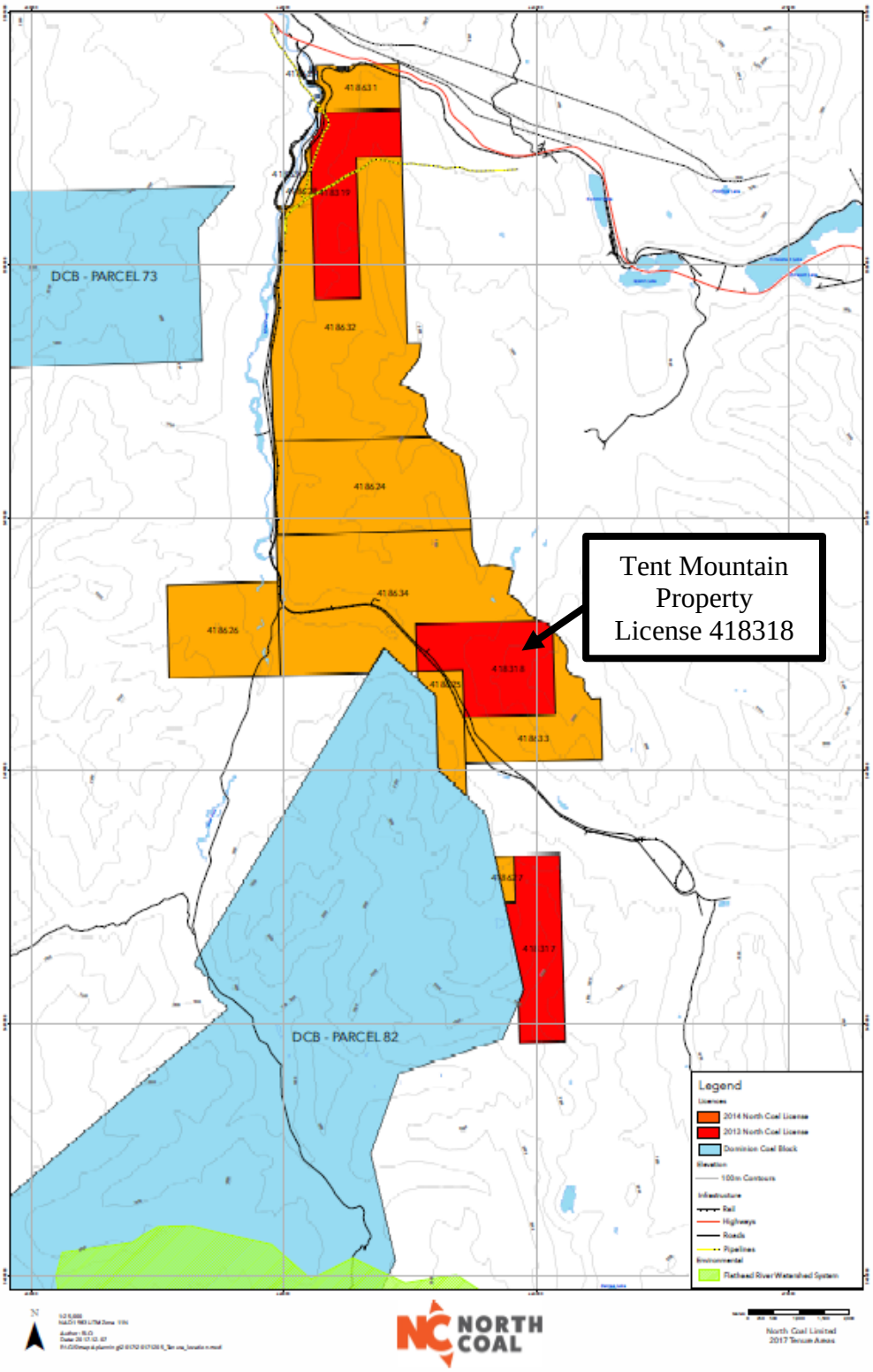
The climate is characterized by long, cold winters and short, cool to hot summers. In Sparwood, the temperature ranges from a record high of 39°C in the summer to a record low of -39.8°C in the winter, with a mean maximum in August of 23.6°C and a mean minimum in December of -11.6°C. Temperatures at the higher altitudes of the property would be slightly lower. The average amount of precipitation in Sparwood is 603mm with an equivalent of 248cm of that falling as snow. Tent

Mountain generally has dense forest cover of pine and spruce; however, a significant portion of the property has been logged recently.

2.3 Location and Access

The Michel Creek Coking Coal Project, of which the Tent Mountain property forms a part, is located southeast of the town of Sparwood in the Michel Creek valley, southeast British Columbia. Primary road access to the general area is via the Crowsnest Highway (Highway 3), which is an all-weather paved major highway connecting Sparwood with Fernie in the west and communities of the Crowsnest Pass in the east. The project area is accessed by driving east from Sparwood along Highway 3 for 11km and turning south onto Corbin Road. From Corbin Road, access to the Tent Mountain property is a further 15km. A network of logging and exploration trails on the property is utilized for drilling access.

Figure 2.2.1 – License Plan



3 Program Overview

3.1 Goals and Parameters

The intent of the 2017 drilling program on Tent Mountain was to confirm and define the resources indicated from historic drilling and mapping. Drillhole spacing and orientation was designed to maximize use of existing trails and previous disturbance and provide adequate coverage to gather structural and stratigraphic data sufficient to define a measured and indicated resource as per the guidelines outlined in GSC Paper 88-21 for a complex coal deposit. 3D geological modeling software was used to build a resource model from the cumulative data gathered from current and historical work which would enable the estimation of potential coal resources on the property. A coal sampling program of both RC chips and large diameter core was designed to provide coal quality analytical results which would indicate the potential for a hard-coking coal product.

3.2 History

Kaiser Resources conducted an exploration program of road building, geological mapping and coal outcrop sampling in 1972 in the area between Tent Mountain and Michel Creek, just west of the Alberta-BC border. No known coal exploration drilling was undertaken. Kaiser estimated the potential resource on the Tent Mountain property at 11.3Mt.

The 2013 exploration program by CanAus Coal Ltd included six reverse circulation drillholes on Tent Mountain with wider spaced (200 to 1000m) drilling and coal sampling. Samples were taken during the reverse circulation drilling which were used to map coal seam rank variability. [redacted]

No further work was done on the property until 2017.

In November 2017, CanAus Coal Ltd. changed its name to North Coal Ltd.

3.3 2017 Drilling

In 2017, a total of 5212m of drilling was completed in 38 holes, including 4642m in 31 RC holes and 570m in 7 large diameter core holes at nineteen locations. The reverse circulation holes were drilled at appropriate spacing to collect sufficient structural, stratigraphic and coal quality data to support the construction of a 3D resource model and determine a measured and indicated resource

on the property. The large diameter core holes were drilled to collect coal samples to follow a full analytical program including drop/shatter, attrition and full washability. (Figure 3.3.1 and Table 3.3.1).

All of the 2017 drill holes were geophysically logged with through-pipe gamma and neutron, and with open-hole density, deviation and dipmeter tools when possible.

All drill collars were surveyed with base-station corrected differential GPS equipment to centimetre-level accuracy.

Figure 3.3.1 Tent Mountain Exploration Plan

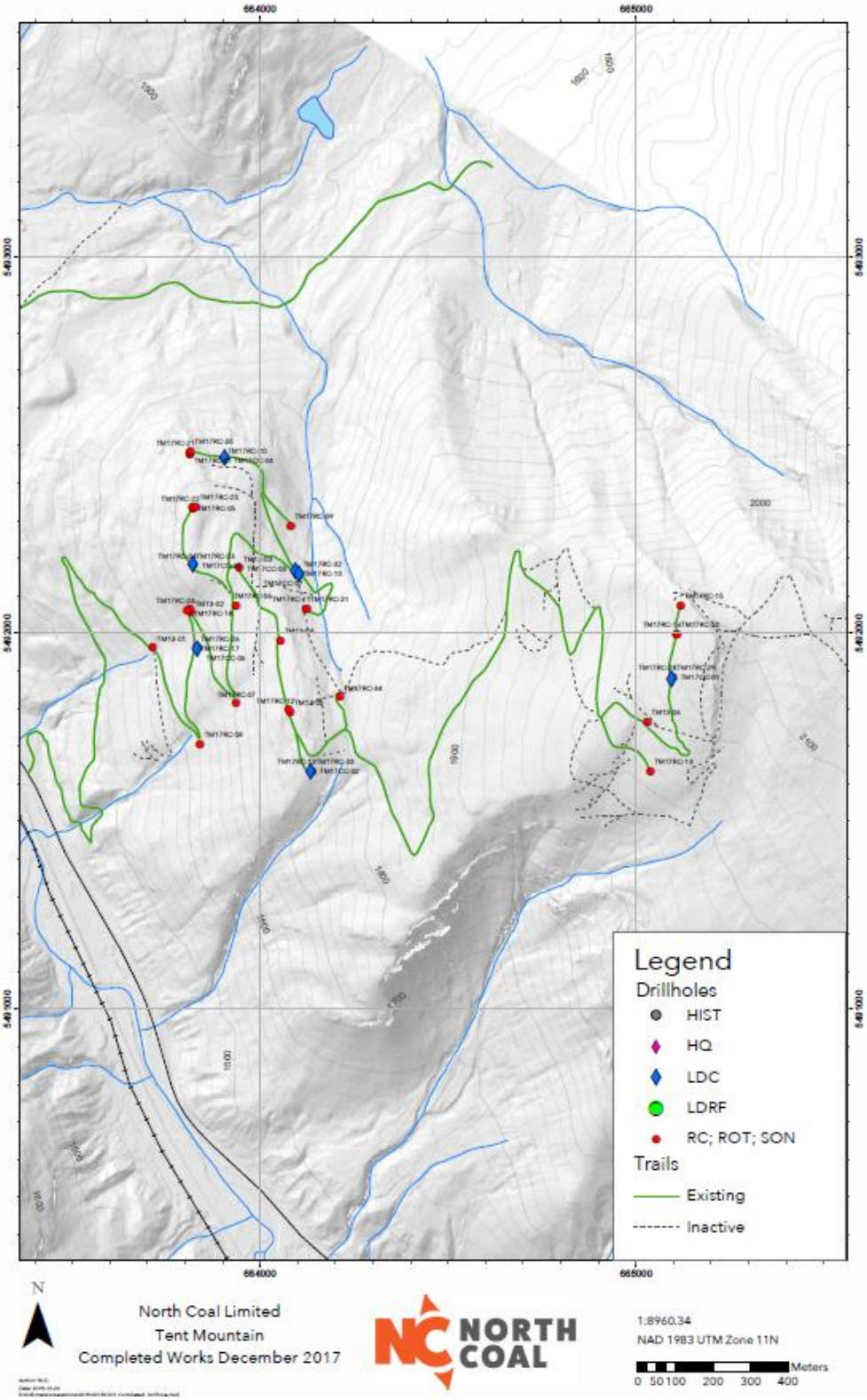


Table 3.3.1 Drillhole Locations

Tent Mountain			Surveyed Location					
Hole ID	**Hole Type**	**Date Completed**	**Easting**	**Northing**	**Elevation**	**Azimuth**	**Dip**	**Depth**
TM17RC-01	RC	11-07-2017	663813	5492477	1664	0	-90	232
TM17RC-04	RC	22-07-2017	663821	5492182	1709	0	-90	209
TM17RC-05	RC	06-07-2017	663821	5492334	1709	0	-90	215
TM17RC-06	RC	30-07-2017	663936	5492073	1722	0	-90	95
TM17RC-07	RC	04-08-2017	663936	5491814	1693	0	-90	120
TM17RC-08	RC	27-07-2017	663841	5491707	1619	0	-90	100
TM17RC-09	RC	18-07-2017	664081	5492287	1668	0	-90	87
TM17RC-10	RC	19-07-2017	664103	5492159	1706	0	-90	111
TM17RC-11	RC	20-07-2017	664122	5492064	1728	0	-90	93
TM17RC-12	RC	31-07-2017	664077	5491797	1783	0	-90	201
TM17RC-13	RC	04-08-2017	664136	5491635	1778	0	-90	115
TM17RC-14	RC	07-07-2017	665039	5491632	2004	0	-90	100
TM17RC-15	RC	10-08-2017	665119	5492073	2079	0	-90	80
TM17RC-16	RC	08-08-2017	665109	5491997	2070	0	-90	80
TM17RC-17	RC	29-07-2017	663831	5491961	1646	0	-90	145
TM17RC-18	RC	01-08-2017	663812	5492064	1657	90	-70	130
TM17RC-20	RC	17-07-2017	663903	5492468	1656	0	-90	147
TM17RC-21	RC	16-07-2017	663813	5492480	1664	270	-60	305
TM17RC-22	RC	25-07-2017	663820	5492336	1709	270	-60	274
TM17RC-23	RC	24-07-2017	663820	5492182	1709	270	-60	270
TM17RC-24	RC	03-08-2017	663805	5492063	1656	270	-60	259
TM17RC-25	RC	09-07-2017	663829	5492338	1709	90	-60	189
TM17RC-26	RC	28-07-2017	663832	5491961	1646	90	-60	154
TM17RC-28	RC	08-08-2017	665097	5491885	2060	0	-90	85
TM17RC-29	RC	08-08-2017	665099	5491885	2060	90	-60	80
TM17RC-30	RC	09-08-2017	665110	5491997	2070	90	-60	150
TM17RC-31	RC	21-07-2017	664123	5492064	1728	90	-60	74
TM17RC-32	RC	20-07-2017	664104	5492159	1706	90	-60	104
TM17RC-33	RC	05-08-2017	664138	5491635	1778	90	-60	104
TM17RC-34	RC	06-08-2017	664212	5491830	1791	0	-90	90
TM17RC-35	RC	14-07-2017	663815	5492485	1664	0	-60	244
TM17CC-01	LDC	12-08-2017	665095	5491878	2059	0	-90	38
TM17CC-02	LDC	14-08-2017	664134	5491633	1778	0	-90	76
TM17CC-03	LDC	15-08-2017	664094	5492166	1706	0	-90	40
TM17CC-04	LDC	21-08-2017	663905	5492469	1656	0	-90	82
TM17CC-05	LDC	27-08-2017	663821	5492185	1709	0	-90	179
TM17CC-06	LDC	29-08-2017	663832	5491958	1646	0	-90	74
TM17CC-07	LDC	18-08-2017	664103	5492160	1706	0	-90	80
Totals						**RC metres**		**4642**
						LDC metres		**570**
						Total metres		**5212**

2017 Exploration Work

4.1 Drilling

During July and August of 2017, 5212m of drilling was completed in 38 holes, including 4642m in 31 RC holes and 570m in 7 large diameter (15cm) core holes at nineteen locations along new and existing trails on the Tent Mountain property to gather sufficient structural, stratigraphic and coal quality data to support the construction of a 3D resource model. Following the completion of the reverse circulation drilling and sampling, 570m of large diameter (15cm) core drilling was also completed.

Good Earth Drilling Services Ltd. was the single drilling contractor used during the program and completed all of the drilling between July 5 and August 30, 2017.

All 2017 drill holes were cased with welded-joint steel casing. The casing was left in the holes and the holes left open. Artesian-flowing holes were plugged and sealed according to Mines Act regulations and mineral exploration best practice.

Casing was installed into near-surface bedrock at an average of 9m in depth. In most areas, overburden was less than one metre thick and a good seal for drilling was successfully achieved after penetrating the first few metres of fractured bedrock.

4.2 Geophysical Logging

As per industry standard, all drill holes were geophysically logged. The geophysical contractor was Century Wireline Services, based in Red Deer, Alberta.

All open holes were logged with a gamma/neutron/deviation tool (#9058A) and with a gamma/density/resistivity/caliper tool (#9239). Where open-hole conditions were favourable, the holes were logged with a dipmeter tool (#9411A). All holes were also logged through the drill pipe with a gamma tool (#9068A) and a neutron tool (#9067A). Century has provided .las and .tif files of all geophysical logs.

All holes were logged within hours of drilling. Several of the holes were blocked within the coal seams and an open-ended drill string was lowered through the area of blockage to allow the geophysical tool to pass through and achieve a successful open-hole log. Occasionally, this process had to be repeated several times per hole to obtain a full log.

In general, the quality of the data was found to be good.

All of the 2017 geophysical logs are included in Appendix A.

4.3 Surveying

CIMA Geomatics conducted a survey of drillhole locations for CanAus Coal Limited. Align Surveys was subcontracted to perform the field survey on site.

A static GPS survey was performed from the Priddis Canadian Active Control System monument PRDS CACS-GSD 756047 to several spikes that were placed on site. These placed spikes were used as local control benchmarks for the survey. Survey point 17 is one of these local control benchmarks and was used for the RTK survey of the drillhole locations. As an additional check for positional accuracy, a Precise Point Position (PPP) was processed for survey point 17 from the GPS data logged at that position.

The results of the PPP matched with the static survey results from PRDS CACS-GSD 756047 within 0.03m horizontally and 0.04m in elevation. The survey was performed in NAD 83 (CSRS) datum and the coordinates produced are UTM Zone 11 North. The Vertical Datum Is CGVD28 and elevations are orthometric heights. The geoid model used was GSD95.

The drillhole locations were surveyed in relation to survey point 17 (located along Corbin Road). Measurements were made to the approximate center of the drill holes at the surface entry points. Based on the terrain conditions and the survey methodology, the estimated positional accuracy of the drillhole surface locations is 0.20m in horizontal and 0.26m in vertical.

The locations of drillholes are shown in Table 3.3.1.

4.4 Sampling and Analysis

4.4.1 Reverse Circulation Sampling

Coal seams were intersected in all of the 31 RC holes and were sampled in 0.5 - 1m increments and later combined into single seam samples and analyzed for proximate, FSI and ash chemistry. Several seam samples were also washed to a single cut-point density and analyzed for rheology, ash chemistry and petrography. A total of 524 individual samples were collected from the RC holes (Table 4.4.1). The samples were sealed in heavy gauge plastic bags and immediately sent to Birtley Labs in Calgary, Alberta for coal quality analysis (details in Appendix C). Sub-samples from the Birtley samples were sent to Pearson Petrography in Victoria, British Columbia

for petrographic analysis. Analytical results from Birtley Labs and Pearson Petrography are shown in Appendix D.

4.4.2 Large Diameter Core Sampling

Seven vertical large diameter core holes were drilled where seams were encountered in vertical RC drillholes at depths and thicknesses appropriate for large core sampling. The large diameter core samples followed a full analytical program including drop/shatter, attrition and full washability. The core was logged and sampled on-site during drilling. A total of 227 individual samples were collected from the LD core (Table 4.4.1). The samples were sealed in heavy gauge plastic bags and immediately sent to Birtley Labs in Calgary, Alberta for coal quality analysis (details in Appendix C). Sub-samples from the Birtley samples were sent to Pearson Petrography in Victoria, British Columbia for petrographic analysis. Analytical results from Birtley Labs and Pearson Petrography are shown in Appendix D.

Table 4.4.1 Sample Summary

Reverse Circulation Samples	
Hole	**Number of Samples**
TM17RC-01	26
TM17RC-04	32
TM17RC-05	21
TM17RC-06	13
TM17RC-09	1
TM17RC-10	12
TM17RC-11	11
TM17RC-12	43
TM17RC-13	35
TM17RC-14	3
TM17RC-15	5
TM17RC-16	5
TM17RC-17	24
TM17RC-18	19
TM17RC-20	14
TM17RC-21	20
TM17RC-22	35
TM17RC-23	15
TM17RC-24	46
TM17RC-25	11
TM17RC-26	20
TM17RC-28	5

TM17RC-29	5
TM17RC-30	4
TM17RC-31	1
TM17RC-32	10
TM17RC-33	25
TM17RC-34	12
TM17RC-35	51
Total	524

Large Diameter Core Samples

Hole	Number of Samples
TM17CC-01	7
TM17CC-02	74
TM17CC-03	2
TM17CC-04	27
TM17CC-05	49
TM17CC-06	37
TM17CC-07	31
Total	227

5 Geology

5.1 Regional Structure

The East Kootenay coalfields lie in the Front Ranges of the Rocky Mountains which are characterized by north to northwest trending concentric folds and west dipping thrust faults. Tertiary normal faults, some of which are listric and probably occupy earlier thrust surfaces, are also a major feature.

The Crowsnest coalfield is a complex synclinorium in the Lewis thrust sheet. The major compressional features of the basin are the synclines linked en echelon by low-amplitude anticlines. A series of west dipping thrust faults dominate the structure of the north half of the basin. The major extensional feature is the Erickson fault system, which juxtaposes Mississippian limestone and the Kootenay Group. The fault has a minimum, west side down, displacement of 1,200m.

5.2 Stratigraphy

The Jurassic-Cretaceous Kootenay Group occupies part of a northwest trending belt of predominantly non-marine rocks comprising part of the Rocky Mountain Foothills and Front Ranges of southwestern Alberta and southeastern British Columbia. The Kootenay Group extends from just north of the United States border in the south to the North Saskatchewan River in the north (Gibson, 1985).

The Kootenay Group of the Rocky Mountain Foothills and Front Ranges encompasses the stratigraphic interval between the Jurassic Fernie Group below and the Lower Cretaceous Blairmore Group above (Gibson, 1985).

Three formations are recognized within the Kootenay Group, including the basal sandstone, Morrissey Formation, the coal-bearing Mist Mountain Formation, and the upper Elk Formation, (Figure 5.2.1).

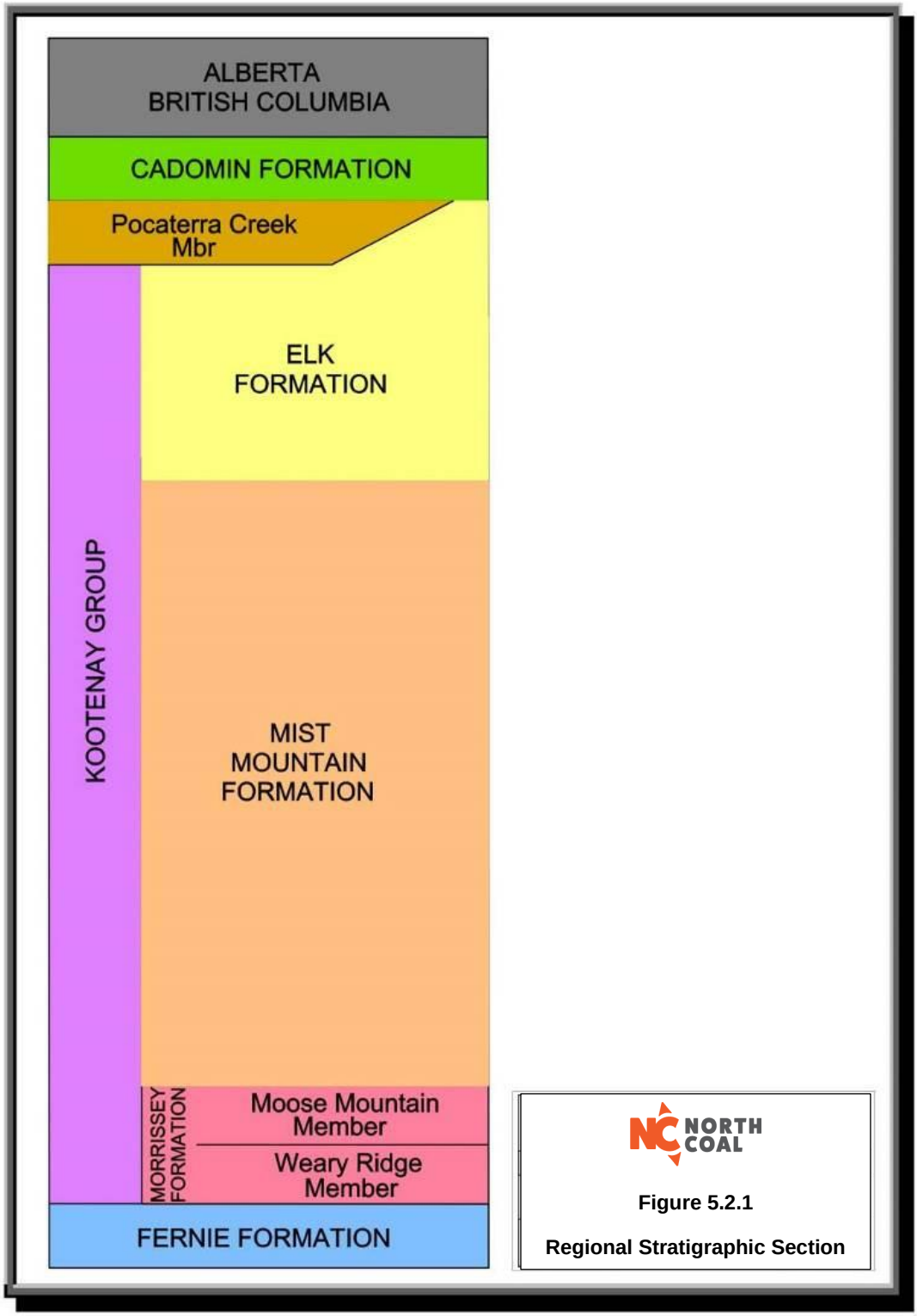
Knowledge and definition of the stratigraphic column is required prior to any correlation and structural work. Figure 5.3.1 has been compiled from the drilling and interpretation of the geology to date at Tent Mountain. Tent Mountain stratigraphy is typical of the Jurassic-Cretaceous Kootenay group. The primary coal-bearing formation is the Mist Mountain, comprised of interbedded siltstones, mudstones, sandstones, and coal seams with average thicknesses ranging from 0.8 to 10.8m, and locally as thick as 29.0m (mineable thicknesses). Coal seams are typically interbedded with many rock partings, and abundant marginal carbonaceous material which has been classified as waste in the current model. On average, the aggregate thickness of coal seams at Tent Mountain is 32.0m mineable true thickness, or 43.7m total true thickness.

The Mist Mountain formation is underlain by highly resistant sandstones of the Morrissey formation (Moose Mountain and Weary Ridge members) which form a regional marker unit. Rare thin coal seams are found in the Morrissey formation; seam 15 is interpreted to be within the Morrissey.

The Kootenay group is underlain by marine shales of the Fernie formation. The Fernie formation has not been observed in drilling or outcrop at Tent Mountain but is observed at the base of sequence in surrounding deposits.

Table 5.3.1 lists the seams, the number of intercepts as well as the minimum, maximum and mean thickness of each.

Figure 5.2.1 Regional Stratigraphic Section



5.3 Geological Overview

Drilling on the Tent Mountain property has occurred principally within the Mist Mountain Formation. The Tent Mountain deposit is divided by two faults into three fault blocks (Figures 6.2 and 6.3). The coal seams in the western fault block are truncated to the west by a reverse thrust fault with greater than 400m displacement. The central fault block includes Seams 22-29 (middle Mist Mountain sequence) and 32-36 (upper Mist Mountain sequence), interpreted as an upright syncline with bedding dips typically 40 degrees but locally steeper, and localized structural thickening of coal in the fold hinge. The east block contains only Seam 15 (lower Morrisey sequence), which dips shallowly to the west, with gentle folding and dips from 10-30 degrees.

The west fault is interpreted to truncate the coal deposit, with no coal modeled in the west block. This interpretation explains the absence of coal in roadcuts in this area but has not been confirmed by drilling.

Dips throughout Tent Mountain vary from 10 to 80 degrees on average, with localized zones of near vertical strata. Coal seam 15 in the eastern fault block moderately dips to the west and coal seams in the western fault block lie conformably within a syncline. Localized slumping of strata near surface has occurred on the property and is visible in Lidar imagery.

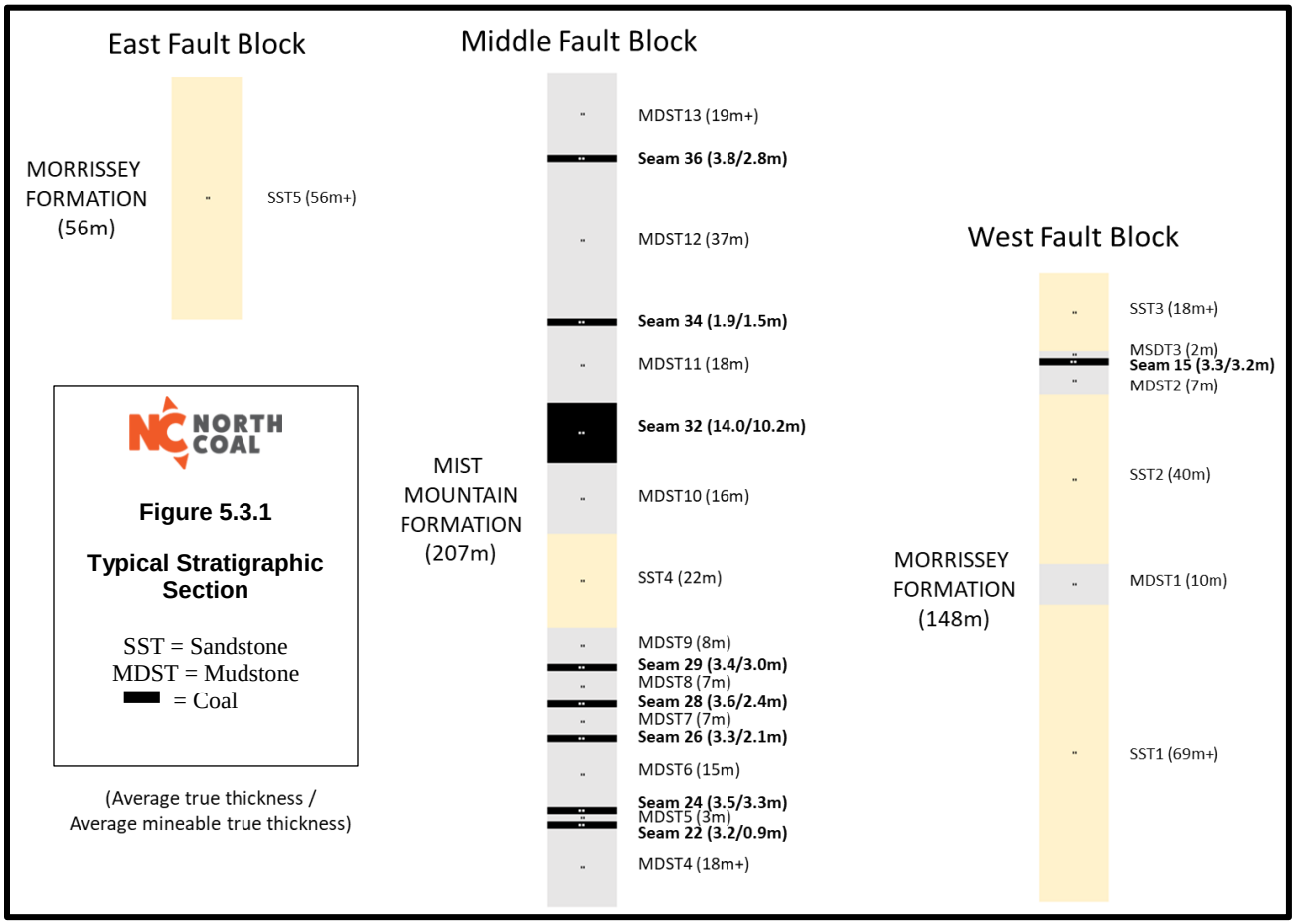
It is possible that Tent Mountain seams may correlate with seams at Loop Ridge, Loop South, and/or Michel Head. An understanding of this relationship may be possible with further coal quality analysis and further development of all models. Therefore, new seam names were chosen which were sufficiently different from other projects to avoid correlation implications. Numeric seam names increase in the younging direction, as in other North Coal models (Table 5.3.1).

The North Coal Tent Mountain deposit lies immediately west of the previously mined Alberta Tent Mountain deposit. The structural and stratigraphic relationship between these adjacent deposits has not been modeled, however it is believed that the deposits are separated by at least one major fault and coals may not be similar.

Table 5.3.1 Tent Mountain Seam Data

Seam	Intercepts	Minimum (m)	Maximum (m)	Mean (m)
36	9	0.6	12.2	3.8
34	20	0.6	5.1	1.9
32	20	5.6	42.7	14.0
29	10	0.6	7.9	3.4
28	13	0.6	10.3	3.6
26	14	0.6	9.3	3.3
24	13	1.0	7.2	3.5
22	13	0.2	4.1	3.2
15	8	2.8	3.9	3.3

Figure 5.3.1 Typical Stratigraphic Section



6 Coal Resources

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

[redacted]

- [redacted]
- [redacted]
- [redacted]
- [redacted]

Figure 6.1 Section Location Map

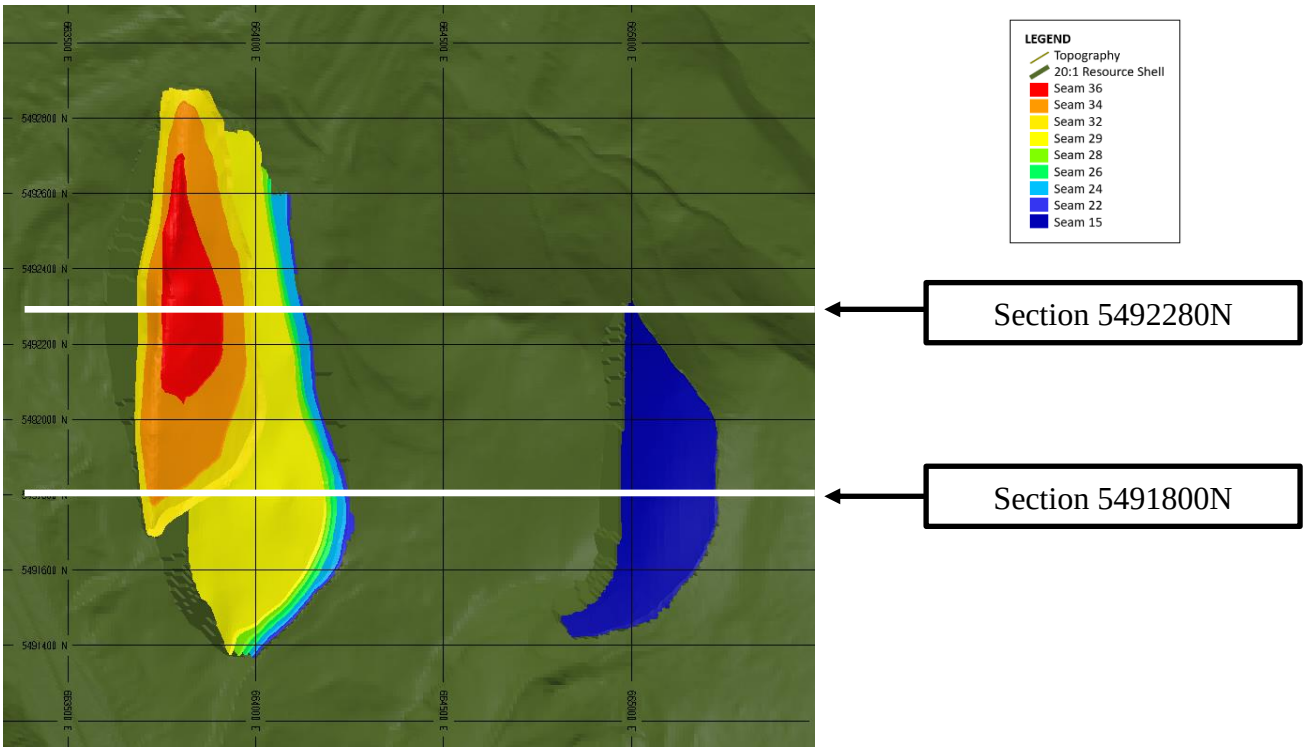


Figure 6.2 Section 5491800N South end of deposit (looking N)

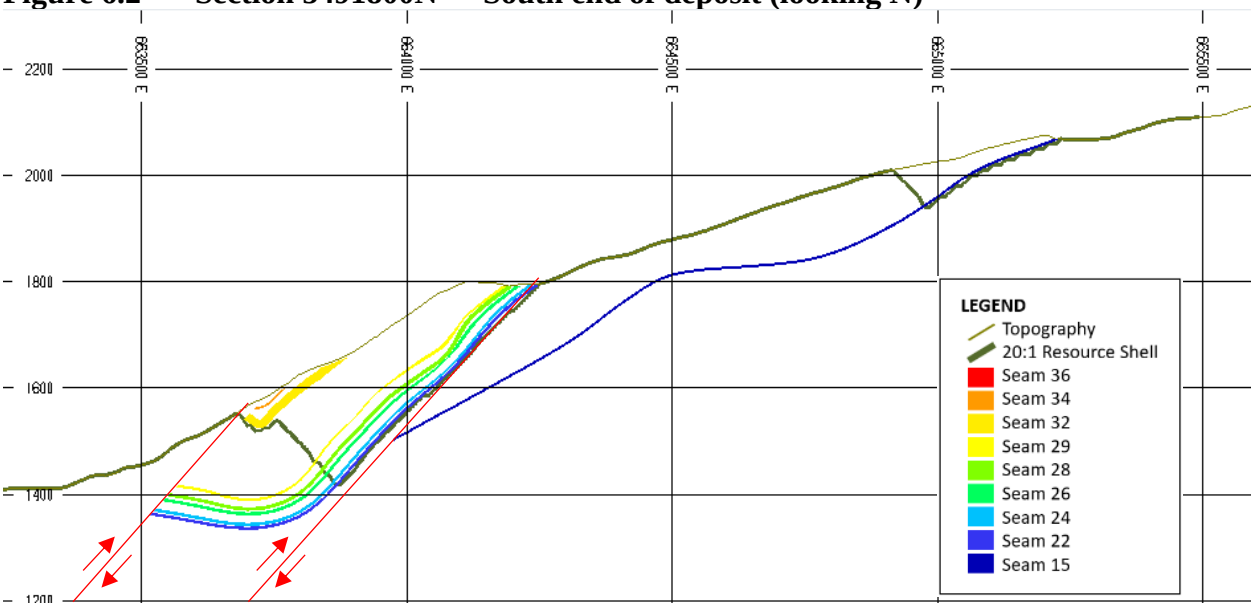
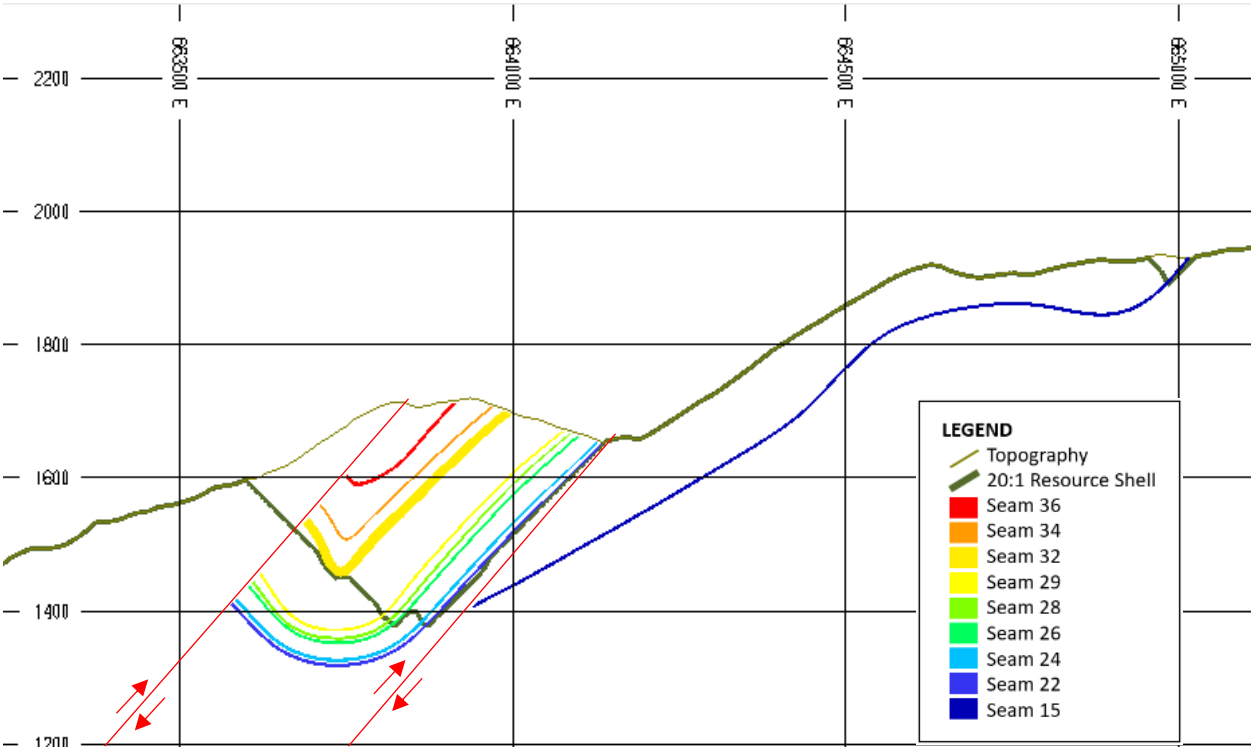


Figure 6.3 Section 5492280N North end of deposit (looking N)



7 Reclamation

North Coal policy is to keep exploration disturbance to the smallest practical area. Natural soil profiles are maintained whenever possible to enhance natural regeneration and to control erosion-causing runoff. Drill sites are recontoured and revegetated as soon as work is completed and deemed not required for future use. In addition, all exploration areas are left in a clean, safe and stable condition at the end of each field season.

Primary access in 2017 was via existing exploration trails and new excavated trails, as described in Section 2.3. During trail and pad construction, woody debris was buried or stacked to the greatest extent possible, and shoulder areas were contoured to a naturalistic form. Drainage is controlled by ditches and culverts, with some supplemental cross-ditching.

Drill pads were constructed on exploration trails and landings where deactivation consisted of filling and re-contouring sumps. Otherwise, pads and trails were left as-is in anticipation of future work. Steeper trails were temporarily deactivated with cross-ditches.

8 Expenditures

Actual expenditure for this work during the period July through December 2017 was $1,705,632.50. Major expense items are shown in Table 8.1.

Table 8.1 Tent Mountain Expenditures

Drilling	$ 835,720.00
Technical Services	$ 279,092.50
Analytical	$ 286,425.00
Heavy Equipment	$ 146,299.00
Safety and First Aid	$ 86,085.00
Licenses and Permits	$ 2,919.00
Personnel	$ 57,729.00
Miscellaneous	$ 11,363.00
Total	**$1,705,632.50**

Details are presented in Appendix F.

9 Conclusions

The 2017 exploration program on Tent Mountain was successful in gathering sufficient structural, stratigraphic and coal quality data to define a measured, indicated and inferred surface-mineable coal resource using 3D modelling software. The program was a follow-up to the 2013 exploration program which identified 7 mineable seams and reported [redacted] The drill spacing and extent in the 2017 program allowed for a significant expansion and increased definition of the geological structure and resources on Tent Mountain. [redacted] The sample analytical results from 2017 indicate that the Tent Mountain deposit is conducive to achieving a high quality hard coking coal product.

10 References

Beresford, E.W., 1975. Kaiser Resources; Exploration on B.C. Coal Licences 21 and 22. Assessment Report 449abc.

Beresford, E.W., 1976. Kaiser Resources; Exploration on B.C. Coal Licences 21 and 22. Assessment Report 449de.

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Hughes, J.D., Klatzel-Maudry, L. and Nikols, D.J. 1989: A Standardized Coal Resource/Reserve Reporting System for Canada. Geological Survey of Canada Paper 88-21, 17p.

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Engler, R.F., Moose Mountain Technical Services, 2015. NI 43-101 Resource Estimate Update 2015; Michel Creek Coking Coal Project

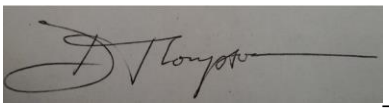
Morris, R.J., Galbraith, J., Moose Mountain Technical Services, 2014. Geological and Drilling, Report on the Tent Mountain Coal Property 2013. Assessment Report #922.

11 Statement of Qualifications

I, David A. Thompson, BSc, P.Geo., of 201-35 Rivermount Pl, Fernie BC V0B 1M7, do hereby certify that:

1. I am Chief Geologist for North Coal Ltd.
2. I graduated with a B.Sc. from the University of BC in 1986.
3. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (Member ID #150701) and the Association of Professional Engineers and Geoscientists of Alberta (Member ID #184563).
4. I have worked as a geologist for a total of seventeen years since my graduation from university.
5. My past experience includes twelve years working in coal exploration and mining in British Columbia and Alberta. I have managed large scale exploration programs for the definition and resource development of several complex metallurgical coal deposits up to and including the feasibility stage and mine development of those deposits. I was also the Chief Geologist in the production department at Peace River Coal's Trend Mine in Tumbler Ridge BC.
6. I am responsible for the entire Assessment Report titled "Assessment Report: 2017 Tent Mountain Exploration Program" dated 31 March 2018.
7. I was on site for the entirety of the 2017 exploration program.
8. To the best of my knowledge, information and belief, the Assessment Report contains all scientific and technical information that is required to conform to the Mineral Tenure Act Regulations of British Columbia.
9. I consent to the filing of the Assessment Report with the British Columbia Ministry of Energy and Mines Geological Survey Branch.

Dated this 31st day of March 2018.



Dave Thompson, P.Geo.
North Coal Ltd.

Appendices

Appendix A Geophysical Logs – (in .ZIP file attached)

Appendix B Drill Core Logs – (in .ZIP file attached)

Appendix C Sample Summary

Appendix D Sample Analytical Results and Certificates – (in .ZIP file attached)

Appendix E Analytical and Processing Guidelines

Appendix F Statement of Costs

CanAus Common Codes Lithology	Code
Overburden, undifferentiated	OV
Coal	CO
Carbonaceous Claystone	XC
Carbonaceous Mudstone	XM
Carbonaceous Shale	XH
Claystone	CS
Mudstone	MS
Shale	SH
Siltstone	ST
Sandstone	SS
Conglomerate	CG
Limestone	LS
Sedimentary Rock, undifferentiated	SU
Core Loss, interpreted as coal	KLC
Core Loss, interpreted as rock	KLR
Core Loss, undifferentiated	KL
Not Logged	NL

For a full list of codes, please refer to AusIMM CoalLog v2.0
https://www.ausimm.com.au/content/default.aspx?ID=451

Sorted by Lithology Lithology	Code
Unconsolidated Sediments	
Clay	CL
Mud	MD
Silt	SI
Sand	SA
Gravel	GV
Cobbles	OB
Boulders	BO
Alluvium	AL
Colluvium	CV
Diatomaceous Earth	DE
Fill/Spoil	FI
Fireclay	FC
Loam	LO
Soil	SO
Carbonaceous Sediments	
Coal	CO
Lignite	LG
Brown Coal	BC
Peat	PE
Oil Shale	OS
Tar Sand	TS
Coaly Claystone	ZC
Coaly Mudstone	ZM
Coaly Sandstone	ZS
Coaly Shale	ZH
Coaly Siltstone	ZT
Carbonaceous Mudstone	XM
Carbonaceous Sandstone	XS
Carbonaceous Shale	XH
Carbonaceous Siltstone	XT
Clastic Sedimentary Rocks	
Sedimentary Rock, undifferentiated	SU
Claystone	CS
Pellet Claystone	PC
Mudstone	MS
Shale	SH
Siltstone	ST
Sandstone	SS
Conglomerate	CG
Conglomerate (>65% matrix)	M1
Conglomerate (35-65% matrix)	M2
Conglomerate (<35% matrix)	M3
Breccia	BR
Fault Breccia	FB
Diamictite	DI
Tillite	TI
Chemical Sedimentary Rocks	
Calcrete	CC
Carbonate	CB
Chalk	CK
Chert	CH
Cone in Cone Carbonate	KK
Dolomite	DM
Ferricrete	FK
Fossil Wood	FW
Ironstone	IS

Sorted on Code Code	Lithology
AI	Acid Intrusive
AL	Alluvium
AN	Andesite
AV	Acid Volcanic
BC	Brown Coal
BI	Basic Intrusive
BO	Boulders
BR	Breccia
BS	Basalt
BU	Basement Undifferentiated
BV	Basic Vocanic
CA	Calcite
CB	Carbonate
CC	Calcrete
CG	Conglomerate
CH	Chert
CK	Chalk
CL	Clay
CO	Coal
CS	Claystone
CV	Colluvium
DE	Diatomaceous Earth
DI	Diamictite
DM	Dolomite
DO	Dolerite
FB	Fault Breccia
FC	Fireclay
FI	Fill
FK	Ferricrete
FW	Fossil Wood
GB	Gabbro
GD	Granodiorite
GN	Gneiss
GR	Granite
GV	Gravel
IG	Igneous Rock, undifferentiated
II	Intermediate Intrusive
IN	Intrusive Rock, undifferentiated
IS	Ironstone
IV	Intermediate Volcanic
KA	Kaolinite
KK	Cone in Cone Carbonate
KL	Core Loss
LA	Laterite
LG	Lignite
LI	Limonite
LO	Loam
LS	Limestone
M1	Conglomerate (>65% matrix)
M2	Conglomerate (35-65% matrix)
M3	Conglomerate (<35% matrix)
MD	Mud
MM	Metamorphic Rock, undifferentiated
MR	Missing Record
MS	Mudstone
MY	Mylonite

Sorted on Description Lithology	Code
Acid Intrusive	AI
Acid Volcanic	AV
Alluvium	AL
Andesite	AN
Basalt	BS
Basement Undifferentiated	BU
Basic Intrusive	BI
Basic Volcanic	BV
Boulders	BO
Breccia	BR
Brown Coal	BC
Calcite	CA
Calcrete	CC
Carbonaceous Claystone	XC
Carbonaceous Mudstone	XM
Carbonaceous Sandstone	XS
Carbonaceous Shale	XH
Carbonaceous Siltstone	XT
Carbonate	CB
Chalk	CK
Chert	CH
Clay	CL
Claystone	CS
Coal	CO
Coaly Claystone	ZC
Coaly Mudstone	ZM
Coaly Sandstone	ZS
Coaly Shale	ZH
Coaly Siltstone	ZT
Cobbles	OB
Colluvium	CV
Cone in Cone Carbonate	KK
Conglomerate	CG
Conglomerate (>65% matrix)	M1
Conglomerate (35-65% matrix)	M2
Conglomerate (<35% matrix)	M3
Core Loss	KL
Diamictite	DI
Diatomaceous Earth	DE
Dolerite	DO
Dolomite	DM
Fault Breccia	FB
Ferricrete	FK
Fill/Spoil	FI
Fireclay	FC
Fossil Wood	FW
Gabbro	GB
Gneiss	GN
Granite	GR
Granodiorite	GD
Gravel	GV
Igneous Rock, undifferentiated	IG
Intermediate Intrusive	II
Intermediate Volcanic	IV
Intrusive Rock, undifferentiated	IN
Ironstone	IS
Kaolinite	KA

Kaolinite	KA
Laterite	LA
Limestone	LS
Limonite	LI
Silcrete	SC
Tonstein	TN
Igneous	
Igneous Rock, undifferentiated	IG
Volcanic Rock, undifferentiated	VR
Intrusive Rock, undifferentiated	IN
Acid/Felsic Volcanic	AV
Intermediate Volcanic	IV
Basic/Mafic Volcanic	BV
Acid/Felsic Intrusive	AI
Intermediate Intrusive	II
Basic/Mafic Intrusive	BI
Andesite	AN
Basalt	BS
Dolerite	DO
Gabbro	GB
Granite	GR
Granodiorite	GD
Rhyolite	RH
Tuff	TF
Tuffite	TT
Volcanic Breccia	VB
Metamorphic	
Metamorphic Rock, undifferentiated	MM
Basement Undifferentiated	BU
Mylonite	MY
Quartzite	QT
Slate	SL
Phyllite	PH
Schist	SZ
Gneiss	GN
Minerals	
Calcite	CA
Pyrite	PY
Quartz	QZ
Siderite	SD
Talc	TA
Other	
Core Loss	KL
Missing Record	MR
Non Coal	NC
No Recovery	NR
Not Logged	NL
Old Workings	OW
Void	VD

NC	Non Coal
NL	Not Logged
NR	No Recovery
OB	Cobbles
OS	Oil Shale
OW	Old Workings
PC	Pellet Claystone
PE	Peat
PH	Phyllite
PY	Pyrite
QT	Quartzite
QZ	Quartz
RH	Rhyolite
SA	Sand
SC	Silcrete
SD	Siderite
SH	Shale
SI	Silt
SL	Slate
SO	Soil
SS	Sandstone
ST	Siltstone
SU	Sedimentary Rock, undifferentiated
SZ	Schist
TA	Talc
TF	Tuff
TI	Tillite
TN	Tonstein
TS	Tar Sand
TT	Tuffite
VB	Volcanic Breccia
VD	Void
VR	Volcanic Rock, undifferentiated
XC	Carbonaceous Claystone
XH	Carbonaceous Shale
XM	Carbonaceous Mudstone
XS	Carbonaceous Sandstone
XT	Carbonaceous Siltstone
ZC	Coaly Claystone
ZH	Coaly Shale
ZM	Coaly Mudstone
ZS	Coaly Sandstone
ZT	Coaly Siltstone

Laterite	LA
Lignite	LG
Limestone	LS
Limonite	LI
Loam	LO
Metamorphic Rock, undifferentiated	MM
Missing Record	MR
Mud	MD
Mudstone	MS
Mylonite	MY
No Recovery	NR
Non Coal	NC
Not Logged	NL
Oil Shale	OS
Old Workings	OW
Peat	PE
Pellet Claystone	PC
Phyllite	PH
Pyrite	PY
Quartz	QZ
Quartzite	QT
Rhyolite	RH
Sand	SA
Sandstone	SS
Schist	SZ
Sedimentary Rock, undifferentiated	SU
Shale	SH
Siderite	SD
Silcrete	SC
Silt	SI
Siltstone	ST
Slate	SL
Soil	SO
Talc	TA
Tar Sand	TS
Tillite	TI
Tonstein	TN
Tuff	TF
Tuffite	TT
Void	VD
Volcanic Breccia	VB
Volcanic Rock, undifferentiated	VR

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17CC-01	TM	2017	CC	665089	5491874	2058	0	-90	31	Brian Larsen; Ian Fraser; David Thompson	GED 130	2017-08-10	2017-08-11	665094	5491876	2059	0	-90	38.20	3.00	3.00	25.00	2017-08-12		37.97	2017-09-22	2592	665094.71	5491878.39	2059.39	

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DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-01		0.00	3.00	3.00	-		0.00	3.00	3.00	-	-	OV	*Overburden, undifferentiated*			2.38	OV
TM17CC-01		3.00	24.70	21.70	-		3.00	24.68	21.68	-	-	NL	*Not Logged*			2.50	NL
TM17CC-01	1	24.70	25.02	0.32	0.32	100%	24.68	25.00	0.32	0.32	100%	SS	*Sandstone*			2.57	SS
TM17CC-01	1	25.02	25.20	0.18	0.00	0%	25.00	25.01	0.01	0.00	0%	KL	*Core Loss, undifferentiated*			2.60	KLNC
TM17CC-01	2	25.20	26.20	1.00	1.18	118%	25.01	26.19	1.18	1.18	100%	SS	*Sandstone*			2.53	SS
TM17CC-01	3	26.20	27.20	1.00	1.00	100%	26.19	27.19	1.00	1.00	100%	SS	*Sandstone*			2.57	SS
TM17CC-01	4	27.20	28.05	0.85	0.85	100%	27.19	28.04	0.85	0.85	100%	SS	*Sandstone*			2.50	SS
TM17CC-01	4	28.05	28.40	0.35	0.35	100%	28.04	28.39	0.35	0.35	100%	SS	*Sandstone*			2.42	SS
TM17CC-01	4	28.40	28.70	0.30	0.30	100%	28.39	28.69	0.30	0.30	100%	SS	*Sandstone*			2.49	SS
TM17CC-01	5	28.70	28.82	0.12	0.15	125%	28.69	28.84	0.15	0.15	100%	SS	*Sandstone*			2.70	SS
TM17CC-01	5	28.82	29.09	0.27	0.27	100%	28.84	29.11	0.27	0.27	100%	ST	*Siltstone*			2.80	ST
TM17CC-01	5	29.09	29.31	0.22	0.22	100%	29.11	29.33	0.22	0.22	100%	MS	*Mudstone*			2.70	MS
TM17CC-01	5	29.31	29.70	0.39	0.39	100%	29.33	29.72	0.39	0.39	100%	XM	*Carbonaceous Mudstone*			2.34	MS
TM17CC-01	6	29.70	29.87	0.17	0.17	100%	29.72	29.89	0.17	0.17	100%	XM	*Carbonaceous Mudstone*			2.40	MS
TM17CC-01	6	29.87	30.17	0.30	0.30	100%	29.89	30.19	0.30	0.30	100%	XM	*Carbonaceous Mudstone*	3672	2.5	2.33	MS
TM17CC-01	6	30.17	30.55	0.38	0.38	100%	30.19	30.57	0.38	0.38	100%	CO	*Coal*	3673	1.5	1.68	CO
TM17CC-01	6	30.55	30.70	0.15	0.00	0%	30.57	30.67	0.10	0.00	0%	KL	*Core Loss, undifferentiated*			1.58	KLCO
TM17CC-01	7	30.70	31.70	1.00	1.03	103%	30.67	31.70	1.03	1.03	100%	CO	*Coal*	3674	1.54	1.59	CO
TM17CC-01	8	31.70	32.68	0.98	0.98	100%	31.70	32.68	0.98	0.98	100%	CO	*Coal*	3675	1.47	1.48	CO
TM17CC-01	8	32.68	32.70	0.02	0.00	0%	32.68	32.70	0.02	0.00	0%	KL	*Core Loss, undifferentiated*			1.45	KLCO
TM17CC-01	9	32.70	33.53	0.83	0.83	100%	32.70	33.53	0.83	0.83	100%	CO	*Coal*	3676	1.41	1.42	CO

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DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-01	9	33.53	33.70	0.17	0.00	0%	33.53	33.81	0.28	0.00	0%	KL	*Core Loss, undifferentiated*			1.59	KLCO
TM17CC-01	10	33.70	34.63	0.93	0.93	100%	33.81	34.74	0.93	0.93	100%	CO	*Coal*	3677	2	2.09	XM
TM17CC-01	10	34.63	34.70	0.07	0.00	0%	34.74	34.75	0.01	0.00	0%	KL	*Core Loss, undifferentiated*			2.27	KLNC
TM17CC-01	11	34.70	35.05	0.35	0.35	100%	34.75	35.10	0.35	0.35	100%	XM	*Carbonaceous Mudstone*	3678	2.32	2.43	MS
TM17CC-01	11	35.05	35.67	0.62	0.62	100%	35.10	35.72	0.62	0.62	100%	MS	*Mudstone*			2.44	MS
TM17CC-01	11	35.67	35.70	0.03	0.00	0%	35.72	35.73	0.01	0.00	0%	KL	*Core Loss, undifferentiated*			2.66	KLNC
TM17CC-01	12	35.70	36.70	1.00	1.00	100%	35.73	36.73	1.00	1.00	100%	SS	*Sandstone*			2.69	SS
TM17CC-01	13	36.70	38.20	1.50	1.52	101%	36.73	38.25	1.52	1.52	100%	ST	*Siltstone*				ST

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17CC-02	TM	2017	CC	664127	5491623	1776	0	-90	75	Ian Fraser; Dave Thompson;Brian Larsen; Abby Cousins	GED130	2017-08-12	2017-08-14	664129	5491633	1766	0	-90	75.80	3.00	3.00		2017-08-14		75.56	2017-09-22	2694	664134.17	5491633.05	1777.88	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-02		0.00	3.00	3.00	-		0.00	3.00	3.00	-	-	OV	*Overburden, undifferentiated*			2.63	OV
TM17CC-02	1	3.00	4.10	1.10	1.10	100%	3.00	4.09	1.09	1.10	101%	ST	*Siltstone*			2.53	ST
TM17CC-02	2	4.10	4.35	0.25	0.25	100%	4.09	4.34	0.25	0.25	100%	XM	*Carbonaceous Mudstone*			2.34	XM
TM17CC-02	2	4.35	5.10	0.75	0.75	100%	4.34	5.09	0.75	0.75	100%	ST	*Siltstone*			2.48	ST
TM17CC-02	3	5.10	5.85	0.75	0.75	100%	5.09	5.84	0.75	0.75	100%	ST	*Siltstone*			2.63	ST
TM17CC-02	4	5.85	7.35	1.50	1.50	100%	5.84	7.34	1.50	1.50	100%	ST	*Siltstone*			2.54	ST
TM17CC-02	5	7.35	8.85	1.50	1.50	100%	7.34	8.84	1.50	1.50	100%	ST	*Siltstone*			2.57	ST
TM17CC-02	6	8.85	10.00	1.15	1.15	100%	8.84	9.99	1.15	1.15	100%	ST	*Siltstone*			2.50	ST
TM17CC-02	6	10.00	10.35	0.35	0.35	100%	9.99	10.34	0.35	0.35	100%	XM	*Carbonaceous Mudstone*	3679	2.45	2.40	MS
TM17CC-02	7	10.35	10.55	0.20	0.20	100%	10.34	10.54	0.20	0.20	100%	CO	*Coal*	3680	2.02	2.19	XM
TM17CC-02	7	10.55	10.85	0.30	0.30	100%	10.54	10.88	0.34	0.30	88%	XM	*Carbonaceous Mudstone*	3681	2.53	2.42	MS
TM17CC-02	7	10.85	11.85	1.00	1.00	100%	10.88	12.02	1.14	1.00	88%	MS	*Mudstone*		-	2.52	MS
TM17CC-02	8	11.85	12.00	0.15	0.15	100%	12.02	12.19	0.17	0.15	88%	MS	*Mudstone*		-	2.38	MS
TM17CC-02	8	12.00	12.30	0.30	0.30	100%	12.19	12.53	0.34	0.30	88%	XM	*Carbonaceous Mudstone*	3682	2.33	2.13	MS
TM17CC-02	8	12.30	13.35	1.05	1.05	100%	12.53	13.54	1.01	1.05	104%	CO	*Coal*	3683	1.5	1.63	CO
TM17CC-02	9	13.35	13.50	0.15	0.15	100%	13.54	13.68	0.14	0.15	104%	XM	*Carbonaceous Mudstone*	3684	1.96	2.03	XM
TM17CC-02	9	13.50	13.70	0.20	0.20	100%	13.68	13.88	0.19	0.20	104%	XM	*Carbonaceous Mudstone*	3685	2.08	1.95	XM
TM17CC-02	9	13.70	14.55	0.85	0.85	100%	13.88	14.69	0.82	0.85	104%	CO	*Coal*	3686	1.69	1.72	CO
TM17CC-02	9	14.55	14.85	0.30	0.30	100%	14.69	14.98	0.29	0.30	104%	CO	*Coal*	3687	1.59	1.57	CO

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DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-02	10	14.85	15.08	0.23	0.00	0%	14.98	14.99	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	-	KLCO
TM17CC-02	10	15.08	15.68	0.60	0.60	100%	14.99	15.57	0.58	0.60	104%	CO	*Coal*	3688	1.44	1.54	CO
TM17CC-02	10	15.68	16.35	0.67	0.67	100%	15.57	16.21	0.64	0.67	104%	CO	*Coal*	3689	1.36	1.40	CO
TM17CC-02	11	16.35	17.05	0.70	0.70	100%	16.21	16.89	0.67	0.70	104%	CO	*Coal*	3690	1.32	1.39	CO
TM17CC-02	11	17.05	17.35	0.30	0.00	0%	16.89	16.90	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	-	KLCO
TM17CC-02	12	17.35	18.00	0.65	0.00	0%	16.90	16.91	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.35	KLCO
TM17CC-02	13	18.00	19.00	1.00	1.10	110%	16.91	17.97	1.06	1.10	104%	CO	*Coal*	3691	1.6	1.40	CO
TM17CC-02	14	19.00	20.00	1.00	1.08	108%	17.97	19.00	1.04	1.08	104%	CO	*Coal*	3692	1.5	1.58	CO
TM17CC-02	15	20.00	20.94	0.94	0.94	100%	19.00	19.91	0.90	0.94	104%	CO	*Coal*	3693	1.43	1.50	CO
TM17CC-02	15	20.94	21.00	0.06	0.00	0%	19.91	19.92	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	-	KLCO
TM17CC-02	16	21.00	21.60	0.60	0.60	100%	19.92	20.50	0.58	0.60	104%	XM	*Carbonaceous Mudstone*	3694	2.16	1.46	XM
TM17CC-02	16	21.60	22.50	0.90	0.95	106%	20.50	21.41	0.91	0.95	104%	CO	*Coal*	3695	1.3	1.37	CO
TM17CC-02	17	22.50	23.20	0.70	0.70	100%	21.41	22.10	0.69	0.70	101%	CO	*Coal*	3696	2.03	1.90	XM
TM17CC-02	17	23.20	23.50	0.30	0.30	100%	22.10	22.40	0.30	0.30	101%	XM	*Carbonaceous Mudstone*	3697	2.16	2.22	MS
TM17CC-02	17	23.50	24.00	0.50	0.51	102%	22.40	22.90	0.50	0.51	101%	MS	*Mudstone*		-	2.11	MS
TM17CC-02	18	24.00	25.50	1.50	1.58	105%	22.90	24.46	1.56	1.58	101%	MS	*Mudstone*		-	2.31	MS
TM17CC-02	19	25.50	26.40	0.90	0.90	100%	24.46	25.34	0.89	0.90	101%	MS	*Mudstone*		-	2.45	MS
TM17CC-02	19	26.40	26.70	0.30	0.30	100%	25.34	25.64	0.30	0.30	101%	XM	*Carbonaceous Mudstone*	3698	2.2	2.52	MS
TM17CC-02	19	26.70	27.00	0.30	0.39	130%	25.64	26.02	0.38	0.39	101%	CO	*Coal*	3699	2.18	2.48	MS
TM17CC-02	20	27.00	27.50	0.50	0.50	100%	26.02	26.52	0.49	0.50	101%	XM	*Carbonaceous Mudstone*	3700	2.21	2.15	MS
TM17CC-02	20	27.50	28.00	0.50	0.50	100%	26.52	27.01	0.49	0.50	101%	XM	*Carbonaceous Mudstone*	3801	2.44	2.05	MS
TM17CC-02	20	28.00	28.50	0.50	0.55	110%	27.01	27.55	0.54	0.55	101%	CO	*Coal*	3802	1.89	2.07	XM
TM17CC-02	21	28.50	29.35	0.85	0.85	100%	27.55	29.15	1.60	0.85	53%	CO	*Coal*	3803	1.35	1.46	CO
TM17CC-02	21	29.35	30.05	0.70	0.80	114%	29.15	29.91	0.76	0.80	105%	CO	*Coal*	3804	1.89	2.12	XM
TM17CC-02	22	30.05	30.85	0.80	0.80	100%	29.91	30.66	0.75	0.80	106%	CO	*Coal*	3805	1.43	1.47	CO

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DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-02	22	30.85	31.55	0.70	0.79	113%	30.66	31.41	0.74	0.79	106%	CO	*Coal*	3806	1.68	1.68	CO
TM17CC-02	23	31.55	32.35	0.80	0.86	108%	31.41	32.21	0.81	0.86	106%	CO	*Coal*	3807	1.92	1.73	XM
TM17CC-02	24	32.35	32.60	0.25	0.25	100%	32.21	32.45	0.24	0.25	106%	CO	*Coal*	3807	1.92	1.61	XM
TM17CC-02	24	32.60	32.85	0.25	0.25	100%	32.45	32.70	0.25	0.25	102%	MS	*Mudstone*	3808	2.38	2.13	MS
TM17CC-02	24	32.85	33.10	0.25	0.25	100%	32.70	32.94	0.25	0.25	102%	CO	*Coal*	3809	2.35	2.34	MS
TM17CC-02	25	33.10	33.30	0.20	0.20	100%	32.94	33.14	0.20	0.20	102%	CO	*Coal*	3809	2.35	2.39	MS
TM17CC-02	25	33.30	33.75	0.45	0.45	100%	33.14	33.58	0.44	0.45	102%	MS	*Mudstone*	3810	2.58	2.48	MS
TM17CC-02	25	33.75	34.60	0.85	1.10	129%	33.58	34.66	1.08	1.10	102%	MS	*Mudstone*		-	2.49	MS
TM17CC-02	26	34.60	35.80	1.20	1.20	100%	34.66	35.83	1.18	1.20	102%	MS	*Mudstone*		-	2.55	MS
TM17CC-02	26	35.80	36.15	0.35	0.35	100%	35.83	36.18	0.34	0.35	102%	XM	*Carbonaceous Mudstone*		-	2.38	XM
TM17CC-02	27	36.15	36.67	0.52	0.52	100%	36.18	36.69	0.51	0.52	102%	MS	*Mudstone*		-	2.36	MS
TM17CC-02	27	36.67	37.06	0.39	0.39	100%	36.69	37.07	0.38	0.39	102%	XM	*Carbonaceous Mudstone*		-	2.49	XM
TM17CC-02	27	37.06	37.65	0.59	0.61	103%	37.07	37.67	0.60	0.61	102%	MS	*Mudstone*		-	2.63	MS
TM17CC-02	28	37.65	39.20	1.55	1.55	100%	37.67	39.19	1.52	1.55	102%	ST	*Siltstone*		-	2.63	ST
TM17CC-02	29	39.20	39.85	0.65	0.65	100%	39.19	39.82	0.64	0.65	102%	ST	*Siltstone*		-	2.56	ST
TM17CC-02	29	39.85	40.00	0.15	0.15	100%	39.82	39.97	0.15	0.15	102%	XM	*Carbonaceous Mudstone*		-	2.28	XM
TM17CC-02	29	40.00	40.37	0.37	0.37	100%	39.97	40.33	0.36	0.37	102%	MS	*Mudstone*		-	2.36	MS
TM17CC-02	29	40.37	40.70	0.33	0.33	100%	40.33	40.66	0.32	0.33	102%	XM	*Carbonaceous Mudstone*	3811	2.18	2.30	XM
TM17CC-02	30	40.70	41.06	0.36	0.36	100%	40.66	41.01	0.35	0.36	102%	XM	*Carbonaceous Mudstone*	3812	2.39	2.17	MS
TM17CC-02	30	41.06	41.79	0.73	0.73	100%	41.01	41.71	0.70	0.73	104%	CO	*Coal*	3813	1.89	1.78	XM
TM17CC-02	30	41.79	41.94	0.15	0.15	100%	41.71	41.85	0.14	0.15	104%	XM	*Carbonaceous Mudstone*	3814	1.94	1.79	XM
TM17CC-02	30	41.94	42.25	0.31	0.31	100%	41.85	42.15	0.30	0.31	104%	CO	*Coal*	3815	1.79	1.73	XM
TM17CC-02	31	42.25	43.25	1.00	1.00	100%	42.15	43.11	0.96	1.00	105%	CO	*Coal*	3816	1.37	1.51	CO
TM17CC-02	31	43.25	43.40	0.15	0.15	100%	43.11	43.25	0.14	0.15	105%	CO	*Coal*	3817	1.55	1.69	CO
TM17CC-02	31	43.40	43.45	0.05	0.05	100%	43.25	43.30	0.05	0.05	105%	CO	*Coal*	3817	1.55	1.63	CO
TM17CC-02	31	43.45	43.75	0.30	0.57	190%	43.30	43.84	0.54	0.57	105%	CO	*Coal*	3817	1.55	1.42	CO
TM17CC-02	32	43.75	44.70	0.95	0.95	100%	43.84	44.75	0.91	0.95	105%	CO	*Coal*	3818	1.45	1.62	CO
TM17CC-02	32	44.70	44.80	0.10	0.10	100%	44.75	44.84	0.10	0.10	105%	CO	*Coal*	3818	1.45	1.68	CO
TM17CC-02	32	44.80	45.23	0.43	0.43	100%	44.84	45.25	0.41	0.43	105%	CO	*Coal*	3819	1.68	1.47	CO

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DRILLHOLE LOG - Lithology Data

Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-02	32	45.23	45.30	0.07	0.00	0%	45.25	45.26	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.53	KLCO
TM17CC-02	33	45.30	45.60	0.30	0.30	100%	45.26	45.55	0.29	0.30	105%	CO	*Coal*	3820	1.7	1.63	CO
TM17CC-02	33	45.60	45.90	0.30	0.30	100%	45.55	45.88	0.33	0.30	92%	XM	*Carbonaceous Mudstone*	3821	2.48	2.24	MS
TM17CC-02	33	45.90	46.35	0.45	0.45	100%	45.88	46.37	0.49	0.45	92%	MS	*Mudstone*	3822	2.56	2.40	MS
TM17CC-02	33	46.35	46.80	0.45	0.50	111%	46.37	46.91	0.54	0.50	92%	MS	*Mudstone*	3823	2.56	2.44	MS
TM17CC-02	34	46.80	47.18	0.38	0.38	100%	46.91	47.32	0.41	0.38	92%	MS	*Mudstone*	3824	2.58	2.51	MS
TM17CC-02	34	47.18	47.48	0.30	0.30	100%	47.32	47.65	0.33	0.30	92%	XM	*Carbonaceous Mudstone*	3825	2.42	2.26	MS
TM17CC-02	34	47.48	48.35	0.87	0.87	100%	47.65	48.43	0.78	0.87	111%	CO	*Coal*	3826	1.58	1.52	CO
TM17CC-02	35	48.35	49.25	0.90	0.90	100%	48.43	49.24	0.81	0.90	111%	CO	*Coal*	3827	1.37	1.46	CO
TM17CC-02	35	49.25	49.46	0.21	0.21	100%	49.24	49.43	0.19	0.21	111%	XM	*Carbonaceous Mudstone*	3828	2.01	1.63	XM
TM17CC-02	35	49.46	49.85	0.39	0.39	100%	49.43	49.78	0.35	0.39	111%	CO	*Coal*	3829	1.54	1.62	CO
TM17CC-02	36	49.85	50.15	0.30	0.30	100%	49.78	50.05	0.27	0.30	111%	CO	*Coal*	3830	1.86	1.91	XM
TM17CC-02	36	50.15	50.33	0.18	0.18	100%	50.05	50.21	0.16	0.18	111%	XM	*Carbonaceous Mudstone*	3831	2.32	1.79	MS
TM17CC-02	36	50.33	50.84	0.51	0.51	100%	50.21	50.67	0.46	0.51	111%	CO	*Coal*	3832	1.64	1.68	CO
TM17CC-02	36	50.84	51.14	0.30	0.30	100%	50.67	50.97	0.30	0.30	99%	ST	*Siltstone*	3833	2.48	2.28	ST
TM17CC-02	36	51.14	51.40	0.26	0.26	100%	50.97	51.24	0.26	0.26	99%	ST	*Siltstone*		-	2.50	ST
TM17CC-02	37	51.40	52.17	0.77	0.77	100%	51.24	52.02	0.78	0.77	99%	ST	*Siltstone*		-	2.45	ST
TM17CC-02	37	52.17	52.56	0.39	0.39	100%	52.02	52.42	0.40	0.39	99%	XM	*Carbonaceous Mudstone*		-	2.33	XM
TM17CC-02	37	52.56	52.90	0.34	0.34	100%	52.42	52.76	0.35	0.34	99%	ST	*Siltstone*		-	2.41	ST
TM17CC-02	38	52.90	53.93	1.03	1.03	100%	52.76	53.81	1.05	1.03	99%	ST	*Siltstone*		-	2.60	ST
TM17CC-02	38	53.93	54.23	0.30	0.30	100%	53.81	54.11	0.30	0.30	99%	ST	*Siltstone*	3834	2.63	2.40	ST
TM17CC-02	38	54.23	54.45	0.22	0.22	100%	54.11	54.33	0.22	0.22	100%	CO	*Coal*	3835	2.16	2.12	XM
TM17CC-02	39	54.45	54.75	0.30	0.30	100%	54.33	54.63	0.30	0.30	99%	ST	*Siltstone*	3836	2.59	2.41	ST
TM17CC-02	39	54.75	55.95	1.20	1.20	100%	54.63	55.84	1.21	1.20	99%	ST	*Siltstone*		-	2.57	ST
TM17CC-02	40	55.95	57.50	1.55	1.55	100%	55.84	57.40	1.56	1.55	99%	ST	*Siltstone*		-	2.54	ST
TM17CC-02	41	57.50	58.00	0.50	0.50	100%	57.40	57.90	0.50	0.50	99%	ST	*Siltstone*		-	2.48	ST
TM17CC-02	41	58.00	58.14	0.14	0.14	100%	57.90	58.04	0.14	0.14	99%	XM	*Carbonaceous Mudstone*		-	2.27	XM

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DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-02	41	58.14	58.54	0.40	0.40	100%	58.04	58.44	0.40	0.40	99%	XM	*Carbonaceous Mudstone*		-	2.24	XM
TM17CC-02	41	58.54	59.00	0.46	0.46	100%	58.44	58.91	0.46	0.46	99%	ST	*Siltstone*		-	2.47	ST
TM17CC-02	42	59.00	59.24	0.24	0.24	100%	58.91	59.15	0.24	0.24	99%	ST	*Siltstone*		-	2.52	ST
TM17CC-02	42	59.24	59.54	0.30	0.30	100%	59.15	59.45	0.30	0.30	99%	ST	*Siltstone*	3837	2.49	2.36	ST
TM17CC-02	42	59.54	59.89	0.35	0.35	100%	59.45	59.80	0.35	0.35	100%	CO	*Coal*	3838	1.89	1.72	XM
TM17CC-02	42	59.89	60.55	0.66	0.00	0%	59.80	60.29	0.49	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.76	KLNC
TM17CC-02	43	60.55	61.55	1.00	1.00	100%	60.29	61.29	1.00	1.00	100%	CO	*Coal*	3839	1.34	1.46	CO
							61.29	61.67	0.38	-	-	KL			-	1.73	KLNC
TM17CC-02	44	61.55	62.55	1.00	1.15	115%	61.67	62.82	1.15	1.15	100%	CO	*Coal*	3840	1.43	1.52	CO
TM17CC-02	45	62.55	63.60	1.05	1.05	100%	62.82	63.87	1.05	1.05	100%	CO	*Coal*	3841	1.47	1.50	CO
TM17CC-02	46	63.60	63.67	0.07	0.00	0%	63.87	63.88	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.65	KLCO
TM17CC-02	46	63.67	64.04	0.37	0.37	100%	63.88	64.25	0.37	0.37	100%	XM	*Carbonaceous Mudstone*	3842	2.31	1.97	MS
TM17CC-02	46	64.04	65.10	1.06	1.06	100%	64.25	65.31	1.06	1.06	100%	CO	*Coal*	3843	1.32	1.51	CO
TM17CC-02	47	65.10	65.60	0.50	0.50	100%	65.31	65.79	0.48	0.50	104%	CO	*Coal*	3844	1.82	1.98	XM
TM17CC-02	47	65.60	65.90	0.30	0.30	100%	65.79	66.08	0.29	0.30	104%	XM	*Carbonaceous Mudstone*	3845	2.3	2.41	MS
TM17CC-02	47	65.90	66.63	0.73	0.73	100%	66.08	66.79	0.71	0.73	104%	MS	*Mudstone*		-	2.63	MS
TM17CC-02	47	66.63	66.65	0.02	0.00	0%	66.79	66.80	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	-	KLNC
TM17CC-02	48	66.65	66.95	0.30	0.30	100%	66.80	67.09	0.29	0.30	104%	MS	*Mudstone*		-	2.60	MS
TM17CC-02	48	66.95	67.45	0.50	0.50	100%	67.09	67.57	0.48	0.50	104%	MS	*Mudstone*	3846	2.65	2.50	MS
TM17CC-02	48	67.45	68.15	0.70	0.73	104%	67.57	68.46	0.89	0.73	82%	CO	*Coal*	3847	1.87	1.91	XM
TM17CC-02	49	68.15	68.50	0.35	0.35	100%	68.46	68.89	0.43	0.35	82%	XM	*Carbonaceous Mudstone*	3848	2.11	2.14	MS
TM17CC-02	49	68.50	69.70	1.20	1.20	100%	68.89	70.09	1.20	1.20	100%	MS	*Mudstone*		-	2.18	MS
TM17CC-02	50	69.70	70.64	0.94	0.94	100%	70.09	71.03	0.94	0.94	100%	MS	*Mudstone*		-	1.89	MS
TM17CC-02	50	70.64	70.94	0.30	0.30	100%	71.03	71.33	0.30	0.30	100%	MS	*Mudstone*	3849	3.18	1.90	XM
TM17CC-02	50	70.94	71.20	0.26	0.00	0%	71.33	71.47	0.14	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.81	KLNC
TM17CC-02	51	71.20	71.80	0.60	0.60	100%	71.47	72.07	0.60	0.60	100%	CO	*Coal*	3850	1.5	1.51	CO
TM17CC-02	51	71.80	72.40	0.60	0.60	100%	72.07	72.67	0.60	0.60	100%	CO	*Coal*	3851	1.52	1.66	CO

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DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-02	51	72.40	72.65	0.25	0.25	100%	72.67	72.92	0.25	0.25	100%	MS	*Mudstone*	3852	2.53	2.38	MS
TM17CC-02	51	72.65	72.75	0.10	0.00	0%	72.92	72.93	0.01	0.00	0%	KL	*Core Loss, undifferentiated*			2.50	KLNC
TM17CC-02	52	72.75	74.25	1.50	1.56	104%	72.93	74.49	1.56	1.56	100%	MS	*Mudstone*			2.49	MS
TM17CC-02	53	74.25	75.80	1.55	1.60	103%	74.49	76.09	1.60	1.60	100%	MS	*Mudstone*				MS

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17CC-03	TM	2017	CC	664097	5492166	1705	0	-90	77	Ian Fraser, Brian Larsen, Rachael Osborn	GED 130	2017-08-14	2017-08-15	664085	5492158	1701	0	-90	40.00		9.00	23.00	2017-08-15		40.73	2017-09-22	2720	664093.55	5492166.07	1705.86	Hole spudded 10 from pilot hole and down dip. Intersections about 10m lower. Coal was intersected before corepoint and hammered through so limited core samples could be taken. Dave Thompson called the hole to be finished 3m after last seam and approved for a redrill on the same pad closer to the pilot hole.

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-03		0.00	22.10	22.10		-	0.00	22.23	22.23	-	-	NL	*Not Logged*			2.10	NL
TM17CC-03		22.10	22.40	0.30	0.00	0%	22.23	22.48	0.25	0.00	0%	NL	*Not Logged*			1.59	KLCO
TM17CC-03	1	22.40	23.00	0.60	0.63	105%	22.48	23.11	0.63	0.63	100%	CO	*Coal*	3853	1.65	1.62	CO
TM17CC-03	2	23.00	23.30	0.30	0.30	100%	23.11	23.41	0.30	0.30	100%	MS	*Mudstone*	3854	2.59	2.22	MS
TM17CC-03	2	23.30	23.85	0.55	0.52	95%	23.41	23.93	0.52	0.52	100%	MS	*Mudstone*			2.37	MS
TM17CC-03	2	23.85	24.00	0.15	0.00	0%	23.93	23.93	0.00	0.00	-	KL	*Core Loss, undifferentiated*			-	KLNC
TM17CC-03	3	24.00	25.50	1.50	1.70	113%	23.93	25.63	1.70	1.70	100%	MS	*Mudstone*			2.54	MS
TM17CC-03		25.50	40.35	14.85		-	25.63	40.35	14.72	-	-	NL	*Not Logged*			2.27	NL

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17CC-04	TM	2017	CC	663904	5492475	1654	0	-90	80	David Ross; Ian Fraser	GED 130	2017-08-18	2017-08-21	663907	5492470	1664	0	-90	81.90		9.00	30.00	2017-08-21		81.48	2017-09-22	2750	663905.49	5492469.49	1656.06	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-04		0.00	9.00	9.00	-		0.00	9.00	9.00	-	-	OV	*Overburden, undifferentiated*			2.78	OV
TM17CC-04		9.00	29.76	20.76	-		9.00	29.57	20.57	-	-	NL	*Not Logged*			2.53	NL
TM17CC-04	1	29.76	30.05	0.29	0.29	100%	29.57	29.86	0.29	0.29	100%	MS	*Mudstone*			2.58	MS
TM17CC-04	2	30.05	30.36	0.31	0.31	100%	29.86	30.17	0.31	0.31	100%	ST	*Siltstone*			2.58	ST
TM17CC-04	2	30.36	31.32	0.96	0.96	100%	30.17	31.13	0.96	0.96	100%	MS	*Mudstone*			2.63	MS
TM17CC-04	2	31.32	31.55	0.23	0.32	139%	31.13	31.45	0.32	0.32	100%	XM	*Carbonaceous Mudstone*			2.48	XM
TM17CC-04	3	31.55	33.04	1.49	1.49	100%	31.45	32.94	1.49	1.49	100%	MS	*Mudstone*			2.37	MS
TM17CC-04	3	33.04	33.10	0.06	0.00	0%	32.94	32.95	0.01	0.00	0%	KL	*Core Loss, undifferentiated*			2.48	KLNC
TM17CC-04	4	33.10	34.60	1.50	1.52	101%	32.95	34.47	1.52	1.52	100%	MS	*Mudstone*			2.55	MS
TM17CC-04	5	34.60	34.96	0.36	0.36	100%	34.47	34.83	0.36	0.36	100%	MS	*Mudstone*	3886	2.49	2.43	MS
TM17CC-04	5	34.96	35.20	0.24	0.24	100%	34.83	35.11	0.28	0.24	87%	CO	*Coal*	3887	1.63	1.94	CO
TM17CC-04	5	35.20	35.55	0.35	0.35	100%	35.11	35.51	0.40	0.35	87%	XM	*Carbonaceous Mudstone*	3888	1.78	1.71	CO
TM17CC-04	5	35.55	36.15	0.60	0.63	105%	35.51	36.24	0.73	0.63	87%	CO	*Coal*	3889	1.35	1.60	CO
TM17CC-04	6	36.15	36.50	0.35	0.35	100%	36.24	36.64	0.40	0.35	87%	CO	*Coal*	3890	1.98	1.78	XM
TM17CC-04	6	36.50	36.80	0.30	0.30	100%	36.64	36.99	0.35	0.30	87%	CO	*Coal*	3891	1.78	1.82	XM
TM17CC-04	6	36.80	37.35	0.55	0.55	100%	36.99	37.54	0.55	0.55	100%	MS	*Mudstone*	3892	2.58	2.46	MS
TM17CC-04	6	37.35	37.65	0.30	0.00	0%	37.54	37.55	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.55	KLNC
TM17CC-04	7	37.65	37.85	0.20	0.20	100%	37.55	37.75	0.20	0.20	100%	MS	*Mudstone*		-	2.52	MS
TM17CC-04	7	37.85	38.11	0.26	0.26	100%	37.75	38.01	0.26	0.26	100%	XM	*Carbonaceous Mudstone*		-	2.26	MS
TM17CC-04	7	38.11	39.20	1.09	1.20	110%	38.01	39.21	1.20	1.20	100%	MS	*Mudstone*		-	2.56	MS
TM17CC-04	8	39.20	40.70	1.50	1.53	102%	39.21	40.74	1.53	1.53	100%	MS	*Mudstone*		-	2.60	MS
TM17CC-04	9	40.70	42.25	1.55	1.55	100%	40.74	42.29	1.55	1.55	100%	MS	*Mudstone*		-	2.60	MS
TM17CC-04	10	42.25	43.75	1.50	1.62	108%	42.29	43.91	1.62	1.62	100%	MS	*Mudstone*		-	2.65	MS
TM17CC-04	11	43.75	45.21	1.46	1.46	100%	43.91	45.37	1.46	1.46	100%	MS	*Mudstone*		-	2.62	MS

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-04	11	45.21	45.30	0.09	0.00	0%	45.37	45.38	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.62	KLNC
TM17CC-04	12	45.30	46.80	1.50	1.53	102%	45.38	46.91	1.53	1.53	100%	MS	*Mudstone*		-	2.64	MS
TM17CC-04	13	46.80	48.35	1.55	1.55	100%	46.91	48.46	1.55	1.55	100%	MS	*Mudstone*		-	2.61	MS
TM17CC-04	14	48.35	49.82	1.47	1.47	100%	48.46	49.93	1.47	1.47	100%	MS	*Mudstone*		-	2.60	MS
TM17CC-04	14	49.82	49.85	0.03	0.00	0%	49.93	49.94	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.64	KLNC
TM17CC-04	15	49.85	51.40	1.55	1.55	100%	49.94	51.49	1.55	1.55	100%	MS	*Mudstone*		-	2.62	MS
TM17CC-04	16	51.40	52.90	1.50	1.50	100%	51.49	52.99	1.50	1.50	100%	MS	*Mudstone*		-	2.61	MS
TM17CC-04	17	52.90	54.45	1.55	1.55	100%	52.99	54.54	1.55	1.55	100%	MS	*Mudstone*		-	2.62	MS
TM17CC-04	18	54.45	55.95	1.50	1.50	100%	54.54	56.04	1.50	1.50	100%	MS	*Mudstone*		-	2.63	MS
TM17CC-04	19	55.95	57.50	1.55	1.55	100%	56.04	57.59	1.55	1.55	100%	MS	*Mudstone*		-	2.67	MS
TM17CC-04	20	57.50	59.00	1.50	1.58	105%	57.59	59.17	1.58	1.58	100%	MS	*Mudstone*		-	2.62	MS
TM17CC-04	21	59.00	60.55	1.55	1.55	100%	59.17	60.72	1.55	1.55	100%	MS	*Mudstone*		-	2.57	MS
TM17CC-04	22	60.55	61.45	0.90	0.90	100%	60.72	61.62	0.90	0.90	100%	MS	*Mudstone*		-	2.52	MS
TM17CC-04	22	61.45	61.55	0.10	0.00	0%	61.62	61.63	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.54	KLNC
TM17CC-04	23	61.55	62.55	1.00	1.06	106%	61.63	62.69	1.06	1.06	100%	MS	*Mudstone*		-	2.57	MS
TM17CC-04	24	62.55	62.89	0.34	0.34	100%	62.69	63.03	0.34	0.34	100%	MS	*Mudstone*		-	2.53	MS
TM17CC-04	24	62.89	63.60	0.71	0.00	0%	63.03	63.53	0.50	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.39	KLNC
TM17CC-04	25	63.60	63.90	0.30	0.00	0%	63.53	64.01	0.48	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.81	KLCO
TM17CC-04	26	63.90	64.60	0.70	0.00	0%	64.01	64.60	0.59	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.68	KLCO
TM17CC-04	27	64.60	65.20	0.60	0.00	0%	64.60	65.20	0.60	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.73	KLCO
TM17CC-04	27	65.20	65.60	0.40	0.00	0%	65.20	65.60	0.40	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.62	KLCO
TM17CC-04	28	65.60	65.73	0.13	0.13	100%	65.60	65.73	0.13	0.13	100%	CO	*Coal*	3893	1.5	1.47	CO
TM17CC-04	28	65.73	66.40	0.67	0.67	100%	65.73	66.40	0.67	0.67	100%	CO	*Coal*	3894	1.4	1.47	CO

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-04	28	66.40	66.65	0.25	0.00	0%	66.40	66.70	0.30	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.42	KLCO
TM17CC-04	29	66.65	67.30	0.65	0.65	100%	66.70	67.35	0.65	0.65	100%	CO	*Coal*	3895	1.36	1.45	CO
TM17CC-04	29	67.30	67.95	0.65	0.66	102%	67.35	68.01	0.66	0.66	100%	CO	*Coal*	3896	1.42	1.50	CO
TM17CC-04	30	67.95	68.57	0.62	0.62	100%	68.01	68.63	0.62	0.62	100%	CO	*Coal*	3897	1.4	1.56	CO
TM17CC-04	30	68.57	68.65	0.08	0.00	0%	68.63	68.64	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	-	KLNC
TM17CC-04	31	68.65	69.09	0.44	0.44	100%	68.64	69.06	0.42	0.44	104%	XM	*Carbonaceous Mudstone*	3898	2.49	2.18	MS
TM17CC-04	31	69.09	69.15	0.06	0.00	0%	69.06	69.07	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	-	KLNC
TM17CC-04	32	69.15	69.40	0.25	0.26	104%	69.07	69.32	0.25	0.26	104%	MS	*Mudstone*	3899	2.48	2.47	MS
TM17CC-04	33	69.40	69.63	0.23	0.23	100%	69.32	69.54	0.22	0.23	104%	MS	*Mudstone*	3900	2.48	2.35	MS
TM17CC-04	33	69.63	69.70	0.07	0.00	0%	69.54	69.55	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	-	KLNC
TM17CC-04	34	69.70	70.65	0.95	0.95	100%	69.55	70.50	0.95	0.95	100%	CO	*Coal*	3905	1.49	1.56	CO
TM17CC-04	34	70.65	70.70	0.05	0.00	0%	70.50	70.67	0.17	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.39	KLCO
TM17CC-04	35	70.70	71.70	1.00	1.00	100%	70.65	71.65	1.00	1.00	100%	CO	*Coal*	3906	1.55	1.56	CO
TM17CC-04	36	71.70	72.20	0.50	0.50	100%	71.65	72.15	0.50	0.50	100%	XM	*Carbonaceous Mudstone*	3907	1.89	1.82	XM
TM17CC-04	36	72.20	72.53	0.33	0.33	100%	72.15	72.51	0.36	0.33	93%	XM	*Carbonaceous Mudstone*	3908	2.26	2.23	MS
TM17CC-04	36	72.53	72.75	0.22	0.22	100%	72.51	72.74	0.24	0.22	93%	XM	*Carbonaceous Mudstone*	3909	2.43	2.34	MS
TM17CC-04	37	72.75	73.46	0.71	0.71	100%	72.74	73.51	0.77	0.71	93%	XM	*Carbonaceous Mudstone*	3909	2.43	2.28	MS
TM17CC-04	37	73.46	74.25	0.79	0.83	105%	73.51	74.30	0.79	0.83	105%	CO	*Coal*	3910	1.72	1.72	CO
TM17CC-04	38	74.25	74.85	0.60	0.60	100%	74.30	74.88	0.57	0.60	105%	CO	*Coal*	3911	1.62	1.61	CO
TM17CC-04	38	74.85	75.59	0.74	0.74	100%	74.88	75.58	0.71	0.74	105%	CO	*Coal*	3912	1.44	1.63	CO
TM17CC-04	38	75.59	75.80	0.21	0.01	5%	75.58	75.59	0.01	0.01	105%	KL	*Core Loss, undifferentiated*		-	-	KLCO
TM17CC-04	39	75.80	76.40	0.60	0.60	100%	75.59	76.17	0.57	0.60	105%	CO	*Coal*	3913	1.44	1.54	CO
TM17CC-04	39	76.40	77.27	0.87	0.87	100%	76.17	77.00	0.83	0.87	105%	CO	*Coal*	3914	1.64	1.60	CO

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-04	39	77.27	77.30	0.03	0.01	33%	77.00	77.01	0.01	0.01	105%	KL	*Core Loss, undifferentiated*		-	1.80	KLCO
TM17CC-04	40	77.30	77.87	0.57	0.57	100%	77.01	77.55	0.54	0.57	105%	CO	*Coal*	3915	1.45	1.70	CO
TM17CC-04	40	77.87	78.17	0.30	0.30	100%	77.55	77.85	0.30	0.30	100%	MS	*Mudstone*	3916	2.47	2.52	MS
TM17CC-04	40	78.17	78.44	0.27	0.27	100%	77.85	78.12	0.27	0.27	100%	MS	*Mudstone*		-	2.62	MS
TM17CC-04	40	78.44	78.85	0.41	0.41	100%	78.12	78.53	0.41	0.41	100%	ST	*Siltstone*		-	2.58	ST
TM17CC-04	41	78.85	80.35	1.50	1.50	100%	78.53	80.03	1.50	1.50	100%	ST	*Siltstone*		-	2.61	ST
TM17CC-04	42	80.35	81.90	1.55	1.55	100%	80.03	81.58	1.55	1.55	100%	ST	*Siltstone*		-	4.94	ST

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17CC-05	TM	2017	CC	663819	5492188	1710	0	-90	177	David Ross; Ian Fraser; Brian Larsen	GED 130	2017-08-21	2017-08-27	663830	5492177	1724	0	-90	179.40	NL	9.00	70;127	2017-08-28		178.27	2017-09-22	2766	663820.60	5492184.70	1708.99	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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		DRILLER'S DEPTHS					CORRECTED DEPTHS											
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho	Lithology Description
TM17CC-05		0.00	70.00	70.00	-		0.00	70.00	70.00	-	-	NL	*Not Logged*		-	2.13	NL	
TM17CC-05	1	70.00	70.50	0.50	0.58	116%	70.00	70.58	0.58	0.58	100%	MS	*Mudstone*		-	2.51	MS	grey MS, sheared at 45, calcite micro-veins
TM17CC-05	2	70.50	70.85	0.35	0.35	100%	70.58	70.93	0.35	0.35	100%	MS	*Mudstone*		-	2.47	MS	as above, w thin coaly stringers
TM17CC-05	2	70.85	71.15	0.30	0.30	100%	70.93	71.23	0.30	0.30	100%	MS	*Mudstone*	3917	2.62	2.15	MS	as above, HW
TM17CC-05	2	71.15	71.50	0.35	0.00	0%	71.23	71.50	0.27	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.50	KLCO	
TM17CC-05	3	71.50	71.83	0.33	0.33	100%	71.50	71.83	0.33	0.33	100%	CO	*Coal*	3918	2.06	1.45	CO	broken, chunky
TM17CC-05	3	71.83	71.98	0.15	0.15	100%	71.83	71.98	0.15	0.15	100%	XM	*Carbonaceous Mudstone*	3918	2.06	1.94	XM	XM parting
TM17CC-05	3	71.98	72.00	0.02	0.00	0%	71.98	72.00	0.02	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.07	KLNC	
TM17CC-05	4	72.00	72.09	0.09	0.09	100%	72.00	72.09	0.09	0.09	100%	XM	*Carbonaceous Mudstone*	3919	1.97	2.12	XM	Xm parting
TM17CC-05	4	72.09	72.70	0.61	0.61	100%	72.09	72.70	0.61	0.61	100%	CO	*Coal*	3919	1.97	1.77	CO	dull, shiny on cleavage, brittle, hard
TM17CC-05	4	72.70	72.80	0.10	0.10	100%	72.70	72.80	0.10	0.10	100%	XM	*Carbonaceous Mudstone*	3919	1.97	1.77	XM	XM parting
TM17CC-05	4	72.80	73.00	0.20	0.00	0%	72.80	73.15	0.35	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.03	KLNC	
TM17CC-05	5	73.00	73.05	0.05	0.05	100%	73.15	73.20	0.05	0.05	100%	XM	*Carbonaceous Mudstone*	3920	1.87	1.91	XM	XM parting
TM17CC-05	5	73.05	73.72	0.67	0.67	100%	73.20	73.87	0.67	0.67	100%	CO	*Coal*	3920	1.87	1.76	CO	dull, shiny on cleavage, brittle, hard
TM17CC-05	5	73.72	74.02	0.30	0.30	100%	73.87	74.17	0.30	0.30	100%	MS	*Mudstone*	3921	2.37	2.33	MS	grey MS, sheared at 45, calcite micro-veins, FW
TM17CC-05	5	74.02	74.50	0.48	0.49	102%	74.17	74.66	0.49	0.49	100%	MS	*Mudstone*		-	2.45	MS	as above
TM17CC-05	6	74.50	75.45	0.95	0.95	100%	74.66	75.61	0.95	0.95	100%	MS	*Mudstone*		-	2.46	MS	grey MS
TM17CC-05	6	75.45	75.50	0.05	0.00	0%	75.61	75.62	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.38	KLNC	
TM17CC-05		75.50	110.65	35.15	-		75.62	110.48	34.86	-	-	NL	*Not Logged*		-	2.43	NL	
TM17CC-05	7	110.65	112.15	1.50	1.60	107%	110.48	112.08	1.60	1.60	100%	MS	*Mudstone*		-	2.65	MS	Grey MS, sheared 45 degrees, calcite microveins
TM17CC-05	8	112.15	113.65	1.50	1.58	105%	112.08	113.66	1.58	1.58	100%	MS	*Mudstone*		-	2.62	MS	as above
TM17CC-05	9	113.65	115.08	1.43	1.43	100%	113.66	115.09	1.43	1.43	100%	MS	*Mudstone*		-	2.62	MS	as above
TM17CC-05	9	115.08	115.15	0.07	0.00	0%	115.09	115.10	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.66	KLNC	
TM17CC-05	10	115.15	116.20	1.05	1.05	100%	115.10	116.15	1.05	1.05	100%	MS	*Mudstone*		-	2.59	MS	as above, no calcite
TM17CC-05	10	116.20	116.47	0.27	0.27	100%	116.15	116.71	0.56	0.27	48%	CO	*Coal*		-	2.21	XM	hard, brittle, dull surface shiny cleavage.
TM17CC-05	10	116.47	116.65	0.18	0.25	139%	116.71	116.96	0.25	0.25	101%	MS	*Mudstone*		-	2.58	MS	as above no calcite
TM17CC-05	11	116.65	118.15	1.50	1.59	106%	116.96	118.53	1.58	1.59	101%	MS	*Mudstone*		-	2.59	MS	Grey MS
TM17CC-05	12	118.15	119.57	1.42	1.42	100%	118.53	119.94	1.41	1.42	101%	MS	*Mudstone*		-	2.56	MS	Grey MS w. calcite micro veins, thin coal stringers
TM17CC-05	12	119.57	119.65	0.08	0.00	0%	119.94	119.95	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	-	KLNC	
TM17CC-05	13	119.65	121.15	1.50	1.50	100%	119.95	120.55	0.60	1.50	250%	MS	*Mudstone*		-	2.16	XM	Grey MS, thin coal stringers to 4 cm
TM17CC-05	14	121.15	122.65	1.50	1.54	103%	121.21	122.75	1.54	1.54	100%	MS	*Mudstone*		-	2.50	MS	As above, and calcite micro veins
TM17CC-05	15	122.65	123.99	1.34	1.34	100%	122.75	124.08	1.33	1.34	101%	MS	*Mudstone*		-	2.51	MS	as above
TM17CC-05	15	123.99	124.15	0.16	0.00	0%	124.08	124.08	0.00	0.00	-	KL	*Core Loss, undifferentiated*		-	2.59	KLNC	
TM17CC-05	16	124.15	125.65	1.50	1.60	107%	124.08	125.68	1.60	1.60	100%	MS	*Mudstone*		-	2.56	MS	as above less coaly
TM17CC-05	17	125.65	127.15	1.50	1.53	102%	125.68	127.20	1.52	1.53	101%	MS	*Mudstone*		-	2.39	MS	Grey MS thin coaly stringers, increasing carbon content.
TM17CC-05	18	127.15	128.65	1.50	1.50	100%	127.20	128.70	1.50	1.50	100%	MS	*Mudstone*		-	2.46	MS	dark grey MS, brown streak, thin coal stringers

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho	Lithology Description
TM17CC-05	19	128.65	129.54	0.89	0.89	100%	128.70	129.58	0.88	0.89	101%	MS	*Mudstone*		-	2.39	MS	as above
TM17CC-05	19	129.54	129.65	0.11	0.00	0%	129.58	129.58	0.00	0.00	-	KL	*Core Loss, undifferentiated*		-	2.48	KLNC	
TM17CC-05	20	129.65	130.23	0.58	0.58	100%	129.58	130.16	0.58	0.58	100%	MS	*Mudstone*		-	2.43	MS	as above
TM17CC-05	20	130.23	130.67	0.44	0.44	100%	130.16	130.59	0.43	0.44	102%	MS	*Mudstone*	3922	2.17	2.20	MS	As above, increasing carb. Content HW.
TM17CC-05	20	130.67	131.09	0.42	0.42	100%	130.59	131.01	0.42	0.42	100%	CO	*Coal*	3923	1.66	1.68	CO	dull surface, hard, shiny cleavage.
TM17CC-05	20	131.09	131.15	0.06	0.00	0%	131.01	131.15	0.14	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.68	KLCO	
TM17CC-05	21	131.15	132.08	0.93	0.93	100%	131.15	132.08	0.93	0.93	100%	CO	*Coal*	3924	1.37	1.48	CO	Solid coal shiny, but brittle when broken fairly light homogeneous
TM17CC-05	21	132.08	132.23	0.15	0.15	100%	132.08	132.23	0.15	0.15	100%	MS	*Mudstone*	3925	1.78	1.64	MS	.15m parting of MS with some XM zones throughout
TM17CC-05	21	132.23	132.58	0.35	0.35	100%	132.23	132.58	0.35	0.35	100%	CO	*Coal*	3925	1.78	1.75	CO	Some light and some hard sections solid core slickensided
TM17CC-05	21	132.58	132.65	0.07	0.00	0%	132.58	132.63	0.05	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.68	KLCO	
TM17CC-05	22	132.65	132.74	0.09	0.09	100%	132.63	132.72	0.09	0.09	100%	CO	*Coal*	3926	1.82	1.83	CO	Hard shiny coal some rock mixed in heavier parts not great
TM17CC-05	22	132.74	132.92	0.18	0.18	100%	132.72	132.90	0.18	0.18	100%	MS	*Mudstone*	3927	1.89	1.97	MS	dark grey MS soft with a few <1cm coaly stringers
TM17CC-05	22	132.92	133.16	0.24	0.24	100%	132.90	133.14	0.24	0.24	100%	CO	*Coal*	3927	1.89	1.86	CO	slickensides shiny solid coal little heavy
TM17CC-05	22	133.16	133.39	0.23	0.23	100%	133.14	133.37	0.23	0.23	100%	MS	*Mudstone*	3928	2.13	1.91	MS	dark grey MS with a 3cm coal stringer
TM17CC-05	22	133.39	133.45	0.06	0.06	100%	133.37	133.43	0.06	0.06	100%	CO	*Coal*	3928	2.13	2.13	CO	sheared hard coal light slickensided
TM17CC-05	22	133.45	133.75	0.30	0.30	100%	133.43	133.73	0.30	0.30	100%	MS	*Mudstone*	3929	2.54	2.37	MS	dark grey MS quartz healing plant fragments thin
TM17CC-05	22	133.75	134.14	0.39	0.39	100%	133.73	134.12	0.39	0.39	100%	MS	*Mudstone*		-	2.48	MS	dark grey MS quartz healing plant fragments thin
TM17CC-05	22	134.14	134.20	0.06	0.00	0%	134.12	134.37	0.25	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.43	MS	
TM17CC-05	23	134.20	135.70	1.50	1.56	104%	134.37	135.91	1.54	1.56	101%	MS	*Mudstone*		-	2.57	KLNC	dark grey MS 1cm stringer 34cm from top
TM17CC-05	24	135.70	137.19	1.49	1.49	100%	135.91	137.39	1.48	1.49	101%	MS	*Mudstone*		-	2.55	MS	dark grey MS fracture along very thin stringers <1cm 45 degrees bedding
TM17CC-05	24	137.19	137.25	0.06	0.00	0%	137.39	137.39	0.00	0.00	-	KL	*Core Loss, undifferentiated*		-	-	MS	
TM17CC-05	25	137.25	138.75	1.50	1.53	102%	137.39	138.90	1.51	1.53	101%	MS	*Mudstone*		-	2.55	KLNC	dark grey MS 2 <1cm coaly stringers
TM17CC-05	26	138.75	140.30	1.55	1.55	100%	138.90	140.43	1.53	1.55	101%	MS	*Mudstone*		-	2.43	MS	dark grey MS fractured on thin coally layers slickensides
TM17CC-05	27	140.30	141.80	1.50	1.50	100%	140.43	141.92	1.49	1.50	101%	MS	*Mudstone*		-	2.63	MS	dark grey MS
TM17CC-05	28	141.80	143.31	1.51	1.51	100%	141.92	143.41	1.49	1.51	101%	MS	*Mudstone*		-	2.57	MS	dark grey MS a few 1mm coal stringers
TM17CC-05	28	143.31	143.35	0.04	0.00	0%	143.41	143.41	0.00	0.00	-	KL	*Core Loss, undifferentiated*		-	-	MS	
TM17CC-05	29	143.35	144.85	1.50	1.53	102%	143.41	144.92	1.51	1.53	101%	MS	*Mudstone*		-	2.56	KLNC	dark grey MS calcite healed fractures 30 degree bedding
TM17CC-05	30	144.85	146.32	1.47	1.47	100%	144.92	146.38	1.46	1.47	101%	MS	*Mudstone*		-	2.47	MS	dk grey MS, XM at bottom
TM17CC-05	30	146.32	146.40	0.08	0.00	0%	146.38	146.38	0.00	0.00	-	KL	*Core Loss, undifferentiated*		-	2.57	MS	
TM17CC-05	31	146.40	147.33	0.93	0.93	100%	146.38	147.30	0.92	0.93	101%	MS	*Mudstone*		-	2.44	KLNC	dk grey MS, XM, thin coal stringers
TM17CC-05	31	147.33	147.85	0.52	0.52	100%	147.30	147.81	0.51	0.52	102%	MS	*Mudstone*		-	2.46	MS	as above, HW correction
TM17CC-05	31	147.85	147.90	0.05	0.00	0%	147.81	147.81	0.00	0.00	-	KL	*Core Loss, undifferentiated*		-	-	MS	
TM17CC-05	32	147.90	148.20	0.30	0.30	100%	147.81	148.11	0.30	0.30	100%	MS	*Mudstone*		-	2.36	KLNC	dk grey MS
TM17CC-05	32	148.20	148.50	0.30	0.30	100%	148.11	148.39	0.28	0.30	107%	XM	*Carbonaceous Mudstone*	3930	2.14	2.08	MS	HW, carb. Coaly MS
TM17CC-05	32	148.50	149.18	0.68	0.68	100%	148.39	149.07	0.68	0.68	100%	CO	*Coal*	3931	1.8	1.70	CO	v soft, shiny, powder to flaky

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		DRILLER'S DEPTHS					CORRECTED DEPTHS											
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho	Lithology Description
TM17CC-05	32	149.18	149.45	0.27	0.00	0%	149.07	149.45	0.38	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.58	KLCO	
TM17CC-05	33	149.45	150.10	0.65	0.65	100%	149.45	150.10	0.65	0.65	100%	CO	*Coal*	3932	1.89	1.90	XM	as above, thin Parting at top
TM17CC-05	33	150.10	150.33	0.23	0.00	0%	150.10	150.33	0.23	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.83	KLNC	
TM17CC-05	33	150.33	150.95	0.62	0.00	0%	150.33	150.95	0.62	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.53	KLCO	
TM17CC-05	34	150.95	151.65	0.70	0.70	100%	150.95	151.65	0.70	0.70	100%	CO	*Coal*	3933	1.51	1.39	CO	as above
TM17CC-05	34	151.65	152.35	0.70	0.70	100%	151.65	152.35	0.70	0.70	100%	CO	*Coal*	3934	1.47	1.29	CO	as above
TM17CC-05	34	152.35	152.50	0.15	0.00	0%	152.35	152.50	0.15	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.31	KLCO	
TM17CC-05	35	152.50	153.15	0.65	0.65	100%	152.50	153.15	0.65	0.65	100%	CO	*Coal*	3935	1.36	1.35	CO	as above, bits of hard, chunky, sheared
TM17CC-05	35	153.15	153.75	0.60	0.60	100%	153.15	153.75	0.60	0.60	100%	CO	*Coal*	3936	1.36	1.32	CO	as above
TM17CC-05	35	153.75	154.00	0.25	0.00	0%	153.75	154.00	0.25	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.34	KLCO	
TM17CC-05	36	154.00	154.65	0.65	0.65	100%	154.00	154.65	0.65	0.65	100%	CO	*Coal*	3937	1.38	1.38	CO	as above
TM17CC-05	36	154.65	155.25	0.60	0.60	100%	154.65	155.25	0.60	0.60	100%	CO	*Coal*	3938	1.36	1.31	CO	as above
TM17CC-05	36	155.25	155.55	0.30	0.00	0%	155.25	155.55	0.30	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.35	KLCO	
TM17CC-05	37	155.55	157.05	1.50	0.00	0%	155.55	157.05	1.50	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.52	KLCO	
TM17CC-05	38	157.05	157.37	0.32	0.32	100%	157.05	157.37	0.32	0.32	100%	CO	*Coal*	3939	1.49	1.54	CO	soft, flaky, shiny
TM17CC-05	38	157.37	157.55	0.18	0.00	0%	157.37	157.55	0.18	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.48	KLCO	
TM17CC-05	39	157.55	158.21	0.66	0.66	100%	157.55	158.21	0.66	0.66	100%	CO	*Coal*	3940	1.31	1.43	CO	soft, flaky, shiny, sheared // to CN
TM17CC-05	39	158.21	158.55	0.34	0.00	0%	158.21	158.55	0.34	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.45	KLCO	
TM17CC-05	40	158.55	159.06	0.51	0.51	100%	158.55	159.06	0.51	0.51	100%	CO	*Coal*	3941	1.28	1.38	CO	v soft , f gr, less shearing
TM17CC-05	40	159.06	159.57	0.51	0.51	100%	159.06	159.57	0.51	0.51	100%	CO	*Coal*	3942	1.4	1.44	CO	as above
TM17CC-05	40	159.57	160.05	0.48	0.00	0%	159.57	160.05	0.48	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.53	KLCO	
TM17CC-05	41	160.05	160.31	0.26	0.26	100%	160.05	160.31	0.26	0.26	100%	CO	*Coal*	3943	1.3	1.41	CO	shiny, good cleavage, brittle
TM17CC-05	41	160.31	161.65	1.34	0.00	0%	160.31	161.73	1.42	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.47	KLCO	
TM17CC-05	42	161.65	162.26	0.61	0.61	100%	161.73	162.30	0.57	0.61	108%	MS	*Mudstone*	3944	2.42	2.33	MS	FW, MS parting
TM17CC-05	42	162.26	162.64	0.38	0.38	100%	162.30	162.65	0.35	0.38	108%	MS	*Mudstone*	3945	2.28	2.23	MS	MS parting
TM17CC-05	42	162.64	162.65	0.01	0.00	0%	162.65	162.66	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	-	KLNC	
TM17CC-05	43	162.65	163.05	0.40	0.40	100%	162.66	163.03	0.37	0.40	108%	XM	*Carbonaceous Mudstone*	3946	2.19	2.22	MS	HW,MS parting
TM17CC-05	43	163.05	163.46	0.41	0.41	100%	163.03	163.35	0.32	0.41	128%	CO	*Coal*	3947	1.63	1.53	CO	soft, flaky, sheared
TM17CC-05	43	163.46	163.65	0.19	0.00	0%	163.35	163.79	0.44	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.00	KLNC	
TM17CC-05	44	163.65	164.70	1.05	0.00	0%	163.79	164.70	0.91	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.46	KLCO	
TM17CC-05	45	164.70	165.40	0.70	0.70	100%	164.70	165.40	0.70	0.70	100%	CO	*Coal*	3948	1.44	1.42	CO	broken, chunky, some fine gr. Soft

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		DRILLER'S DEPTHS					CORRECTED DEPTHS											
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho	Lithology Description
TM17CC-05	45	165.40	165.58	0.18	0.18	100%	165.40	165.58	0.18	0.18	100%	XM	*Carbonaceous Mudstone*	3949	1.32	1.55	CO	parting
TM17CC-05	45	165.58	166.20	0.62	0.00	0%	165.58	166.47	0.89	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.46	KLCO	
TM17CC-05	46	166.20	167.10	0.90	0.90	100%	166.47	167.37	0.90	0.90	100%	CO	*Coal*	3950	1.4	1.53	CO	broken, chunky, sheared
TM17CC-05	46	167.10	167.64	0.54	0.54	100%	167.37	167.78	0.41	0.54	132%	MS	*Mudstone*	3951	2.33	2.22	MS	carbonaceous. MS parting
TM17CC-05	46	167.64	167.75	0.11	0.19	173%	167.78	167.93	0.15	0.19	127%	MS	*Mudstone*		-	1.93	MS	
TM17CC-05	47	167.75	167.90	0.15	0.15	100%	167.93	168.06	0.13	0.15	113%	CO	*Coal*	3952	1.38	1.53	CO	soft, flaky, sheared
TM17CC-05	47	167.90	168.07	0.17	0.17	100%	168.06	168.21	0.15	0.17	113%	XM	*Carbonaceous Mudstone*	3952	1.38	1.45	CO	
TM17CC-05	47	168.07	168.52	0.45	0.45	100%	168.21	168.61	0.40	0.45	113%	CO	*Coal*	3952	1.38	1.40	CO	as above
TM17CC-05	47	168.52	168.97	0.45	0.45	100%	168.61	169.01	0.40	0.45	113%	CO	*Coal*	3953	1.75	1.47	CO	as above
TM17CC-05	47	168.97	169.15	0.18	0.18	100%	169.01	169.19	0.18	0.18	100%	XM	*Carbonaceous Mudstone*	3953	1.75	1.78	XM	parting
TM17CC-05	47	169.15	169.25	0.10	0.00	0%	169.19	169.54	0.35	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.88	KLNC	
TM17CC-05	48	169.25	169.70	0.45	0.45	100%	169.54	169.96	0.42	0.45	107%	XM	*Carbonaceous Mudstone*	3954	2	2.12	MS	parting w thin coal stringers
TM17CC-05	48	169.70	170.20	0.50	0.50	100%	169.96	170.43	0.47	0.50	107%	XM	*Carbonaceous Mudstone*	3955	2.19	2.07	MS	as above
TM17CC-05	48	170.20	170.65	0.45	0.45	100%	170.43	170.88	0.45	0.45	101%	CO	*Coal*	3956	1.4	1.57	CO	hard, sheared
TM17CC-05	48	170.65	170.80	0.15	0.00	0%	170.88	170.89	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.59	KLCO	
TM17CC-05	49	170.80	171.20	0.40	0.40	100%	170.89	171.28	0.40	0.40	101%	XM	*Carbonaceous Mudstone*	3957	1.44	1.52	CO	HW
TM17CC-05	49	171.20	172.05	0.85	0.85	100%	171.28	172.12	0.84	0.85	101%	XM	*Carbonaceous Mudstone*		-	1.61	CO	
TM17CC-05	49	172.05	172.30	0.25	0.33	132%	172.12	172.45	0.33	0.33	101%	XM	*Carbonaceous Mudstone*	3958	1.49	1.54	CO	FW
TM17CC-05	50	172.30	172.95	0.65	0.65	100%	172.45	173.09	0.64	0.65	101%	CO	*Coal*	3959	1.85	1.81	XM	coaly carb. MS, hard, sheared
TM17CC-05	50	172.95	173.17	0.22	0.22	100%	173.09	173.31	0.22	0.22	101%	XM	*Carbonaceous Mudstone*	3960	1.97	1.93	XM	parting
TM17CC-05	50	173.17	173.85	0.68	0.76	112%	173.31	174.05	0.74	0.76	102%	CO	*Coal*	3961	1.7	1.68	CO	coaly carb. MS, hard, sheared
TM17CC-05	51	173.85	174.50	0.65	0.65	100%	174.05	174.69	0.64	0.65	102%	CO	*Coal*	3962	1.64	1.69	CO	w 13cm parting
TM17CC-05	51	174.50	175.20	0.70	0.70	100%	174.69	175.37	0.68	0.70	102%	CO	*Coal*	3963	1.51	1.54	CO	hard, blocky, sheared
TM17CC-05	51	175.20	175.35	0.15	0.00	0%	175.37	175.37	0.00	0.00	-	KL	*Core Loss, undifferentiated*		-	-	KLCO	
TM17CC-05	52	175.35	176.00	0.65	0.65	100%	175.37	176.01	0.64	0.65	102%	CO	*Coal*	3964	1.47	1.55	CO	soft, shiny, cleaves well, sharp contact w FW
TM17CC-05	52	176.00	176.30	0.30	0.30	100%	176.01	176.31	0.30	0.30	100%	XM	*Carbonaceous Mudstone*	3965	2.24	2.14	MS	FW, sharp clean sheared contact
TM17CC-05	52	176.30	176.90	0.60	0.74	123%	176.31	177.05	0.74	0.74	100%	MS	*Mudstone*		-	2.55	MS	hard grey MS
TM17CC-05	53	176.90	178.34	1.44	1.44	100%	177.05	178.49	1.44	1.44	100%	MS	*Mudstone*		-		MS	grey MS w 2cm SS band, multiple thin coal stringers, shearing and bedding //, 45 degrees
TM17CC-05	53	178.34	178.40	0.06	0.00	0%	178.49	178.50	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-		KL	
TM17CC-05	54	178.40	179.40	1.00	1.04	104%	178.50	179.54	1.04	1.04	100%	MS	*Mudstone*		-		MS	grey MS w XM, multiple micro coal stringers
			-		-			-	-	-			-					

DRILLHOLE LOG - Collar Data v3.3+J1:K1

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17CC-06	TM	2017	CC	663826	5491959	1644	0	-90	76	David Ross; Brian Larsen	GED 130	2017-08-28	2017-08-29	663830	5491958	1655	0	-90	74.55	0.00	6.00	21; 51	2017-08-29		74.36	2017-09-22	2775	663832.12	5491958.45	1645.95	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-06		0.00	21.00	21.00	-		0.00	21.42	21.42	-	-	NL	*Not Logged*			2.65	NL
TM17CC-06	1	21.00	22.30	1.30	1.32	102%	21.42	22.74	1.32	1.32	100%	XM	*Carbonaceous Mudstone*		-	2.28	MS
TM17CC-06	2	22.30	22.60	0.30	0.30	100%	22.74	23.04	0.30	0.30	100%	XM	*Carbonaceous Mudstone*		-	2.20	MS
TM17CC-06	2	22.60	22.93	0.33	0.33	100%	23.04	23.37	0.33	0.33	100%	XM	*Carbonaceous Mudstone*	3966	2.44	2.01	MS
TM17CC-06	2	22.93	23.90	0.97	1.00	103%	23.37	24.26	0.89	1.00	112%	CO	*Coal*	3967	1.94	1.64	XM
TM17CC-06	3	23.90	24.70	0.80	0.80	100%	24.26	24.97	0.71	0.80	112%	CO	*Coal*	3968	1.43	1.45	CO
TM17CC-06	3	24.70	25.50	0.80	0.80	100%	24.97	25.68	0.71	0.80	112%	CO	*Coal*	3969	1.8	1.68	XM
TM17CC-06	4	25.50	26.15	0.65	0.65	100%	25.68	26.26	0.58	0.65	112%	CO	*Coal*	3970	1.81	1.81	XM
TM17CC-06	4	26.15	26.45	0.30	0.30	100%	26.26	26.53	0.27	0.30	112%	XM	*Carbonaceous Mudstone*	3971	1.81	1.82	XM
TM17CC-06	4	26.45	27.10	0.65	0.65	100%	26.53	27.18	0.65	0.65	100%	MS	*Mudstone*		-	2.19	MS
TM17CC-06	5	27.10	28.70	1.60	1.60	100%	27.18	28.78	1.60	1.60	100%	MS	*Mudstone*		-	2.39	MS
TM17CC-06		28.70	51.00	22.30	-		28.78	51.00	22.22	-	-	NL	*Not Logged*		-	2.46	NL
TM17CC-06	6	51.00	51.23	0.23	0.23	100%	51.00	51.23	0.23	0.23	100%	MS	*Mudstone*		-	2.37	MS
TM17CC-06	6	51.23	51.70	0.47	0.00	0%	51.23	51.70	0.47	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.27	KLNC
TM17CC-06	7	51.70	51.86	0.16	0.16	100%	51.70	51.86	0.16	0.16	100%	MS	*Mudstone*		-	2.13	MS
TM17CC-06	7	51.86	52.16	0.30	0.30	100%	51.86	52.16	0.30	0.30	100%	MS	*Mudstone*	3972	2.25	2.03	MS
TM17CC-06	7	52.16	52.20	0.04	0.00	0%	52.16	52.27	0.11	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.88	KLNC
TM17CC-06	8	52.20	52.80	0.60	0.60	100%	52.27	52.87	0.60	0.60	100%	CO	*Coal*	3973	1.72	1.62	CO
TM17CC-06	8	52.80	53.20	0.40	0.54	135%	52.87	53.41	0.54	0.54	100%	CO	*Coal*	3974	1.51	1.65	CO
TM17CC-06	9	53.20	54.05	0.85	0.85	100%	53.41	54.26	0.85	0.85	100%	CO	*Coal*	3975	1.44	1.50	CO
TM17CC-06	9	54.05	54.75	0.70	0.85	121%	54.26	55.11	0.85	0.85	100%	CO	*Coal*	3976	1.31	1.43	CO
TM17CC-06	10	54.75	56.25	1.50	0.00	0%	55.11	55.83	0.72	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.55	KLCO
TM17CC-06	11	56.25	56.38	0.13	0.30	231%	55.83	56.13	0.30	0.30	100%	CO	*Coal*	3977	1.61	1.58	CO
TM17CC-06	11	56.38	56.45	0.07	0.15	214%	56.13	56.36	0.23	0.15	65%	MS	*Mudstone*	3978	2.38	2.15	MS
TM17CC-06	12	56.45	56.89	0.44	0.44	100%	56.36	57.03	0.67	0.44	66%	MS	*Mudstone*	3979	2.5	2.28	MS
TM17CC-06	12	56.89	57.75	0.86	0.87	101%	57.03	58.19	1.16	0.87	75%	CO	*Coal*	3980	1.39	1.52	CO

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-06	13	57.75	58.05	0.30	0.30	100%	58.19	58.49	0.30	0.30	100%	MS	*Mudstone*	3981	2.03	2.14	MS
TM17CC-06	13	58.05	58.80	0.75	0.75	100%	58.49	59.24	0.75	0.75	100%	MS	*Mudstone*	3982	2.27	2.14	MS
TM17CC-06	13	58.80	59.30	0.50	0.00	0%	59.24	59.43	0.19	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.09	KLNC
TM17CC-06	14	59.30	59.42	0.12	0.12	100%	59.43	59.55	0.12	0.12	100%	MS	*Mudstone*	3982	2.27	1.88	MS
TM17CC-06	14	59.42	60.34	0.92	0.92	100%	59.55	60.44	0.89	0.92	104%	CO	*Coal*	3983	1.39	1.46	CO
TM17CC-06	14	60.34	60.35	0.01	0.00	0%	60.44	60.45	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.43	KLCO
TM17CC-06	15	60.35	60.76	0.41	0.41	100%	60.45	60.84	0.40	0.41	104%	CO	*Coal*	3984	1.44	1.52	CO
TM17CC-06	15	60.76	60.85	0.09	0.00	0%	60.84	60.85	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	-	KLCO
TM17CC-06	16	60.85	61.60	0.75	0.75	100%	60.85	61.58	0.72	0.75	104%	CO	*Coal*	3985	1.43	1.53	CO
TM17CC-06	16	61.60	62.35	0.75	0.78	104%	61.58	62.33	0.75	0.78	104%	CO	*Coal*	3986	1.56	1.62	CO
TM17CC-06	17	62.35	63.15	0.80	0.80	100%	62.33	63.10	0.77	0.80	104%	CO	*Coal*	3987	1.34	1.46	CO
TM17CC-06	17	63.15	63.90	0.75	0.85	113%	63.10	63.92	0.82	0.85	104%	CO	*Coal*	3988	1.38	1.47	CO
TM17CC-06	18	63.90	64.65	0.75	0.75	100%	63.92	64.65	0.72	0.75	104%	CO	*Coal*	3989	1.36	1.41	CO
TM17CC-06	18	64.65	65.40	0.75	0.75	100%	64.65	65.37	0.72	0.75	104%	CO	*Coal*	3990	1.53	1.54	CO
TM17CC-06	19	65.40	66.20	0.80	0.80	100%	65.37	66.03	0.66	0.80	121%	CO	*Coal*	3991	1.92	1.92	XM
TM17CC-06	19	66.20	66.95	0.75	0.75	100%	66.03	66.73	0.70	0.75	107%	CO	*Coal*	3992	1.52	1.60	CO
TM17CC-06	20	66.95	67.57	0.62	0.62	100%	66.73	67.31	0.58	0.62	107%	CO	*Coal*	3993	1.7	1.58	CO
TM17CC-06	20	67.57	67.79	0.22	0.22	100%	67.31	67.91	0.60	0.22	37%	XM	*Carbonaceous Mudstone*	3994	2.01	1.89	XM
TM17CC-06	20	67.79	68.45	0.66	0.66	100%	67.91	68.58	0.67	0.66	99%	CO	*Coal*	3995	1.7	1.61	CO
TM17CC-06	21	68.45	68.69	0.24	0.24	100%	68.58	68.83	0.25	0.24	96%	CO	*Coal*	3996	1.39	1.68	CO
TM17CC-06	21	68.69	69.09	0.40	0.40	100%	68.83	69.21	0.38	0.40	105%	XM	*Carbonaceous Mudstone*	3997	2.01	1.88	XM
TM17CC-06	21	69.09	69.39	0.30	0.40	133%	69.21	69.59	0.38	0.40	105%	XM	*Carbonaceous Mudstone*	3998	2.13	1.95	XM
TM17CC-06	21	69.39	69.98	0.59	0.59	100%	69.59	70.10	0.51	0.59	115%	CO	*Coal*	3999	1.49	1.57	CO
TM17CC-06	21	69.98	70.00	0.02	0.00	0%	70.10	70.12	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	-	KLCO
TM17CC-06	22	70.00	70.70	0.70	0.70	100%	70.12	70.73	0.61	0.70	115%	CO	*Coal*	4000	1.64	1.65	CO
TM17CC-06	22	70.70	71.30	0.60	0.60	100%	70.73	71.25	0.52	0.60	115%	CO	*Coal*	26301	1.53	1.56	CO
TM17CC-06	22	71.30	71.50	0.20	0.28	140%	71.25	71.53	0.28	0.28	100%	XM	*Carbonaceous Mudstone*	26302	2.52	2.22	MS

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-06	23	71.50	71.75	0.25	0.25	100%	71.53	71.78	0.25	0.25	100%	MS	*Mudstone*	26302	2.52	2.53	MS
TM17CC-06	23	71.75	72.10	0.35	0.35	100%	71.78	72.13	0.35	0.35	100%	MS	*Mudstone*		-	2.65	MS
TM17CC-06	23	72.10	73.05	0.95	0.95	100%	72.13	73.08	0.95	0.95	100%	XM	*Carbonaceous Mudstone*		-	2.52	MS
TM17CC-06	24	73.05	74.55	1.50	1.50	100%	73.08	74.58	1.50	1.50	100%	MS	*Mudstone*		-		MS

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17CC-07	TM	2017	CC	684097	5492166	1705	0	-90	77	Rachael Osborn; Brian Larsen; David Ross; Ian Fraser	GED130	2017-08-15	2017-08-18	664098	5492156	1699	0	-90	80.35		9.00	22.00	2017-08-18		80.19	2017-09-22	2721	664102.77	5492160.33	1705.75	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-07		0.00	22.00	22.00	-		0.00	22.00	22.00	-		NL	*Not Logged*		-	2.91	NL
TM17CC-07	1	22.00	23.00	1.00	1.07	107%	22.00	23.22	1.22	1.07	88%	MS	*Mudstone*		-	2.39	MS
TM17CC-07	2	23.00	24.26	1.26	1.26	100%	23.22	24.65	1.43	1.26	88%	MS	*Mudstone*		-	2.28	MS
TM17CC-07	2	24.26	24.39	0.13	0.13	100%	24.65	24.80	0.15	0.13	88%	CO	*Coal*		-	2.11	MS
TM17CC-07	2	24.39	24.50	0.11	0.00	0%	24.80	24.81	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.13	KLNC
TM17CC-07	3	24.50	24.80	0.30	0.30	100%	24.81	25.15	0.34	0.30	88%	MS	*Mudstone*		-	2.26	MS
TM17CC-07	3	24.80	25.10	0.30	0.30	100%	25.15	25.49	0.34	0.30	88%	MS	*Mudstone*	3855	2.42	2.14	MS
TM17CC-07	3	25.10	26.00	0.90	1.00	111%	25.49	26.37	0.88	1.00	113%	CO	*Coal*	3856	1.67	1.65	CO
TM17CC-07	4	26.00	26.70	0.70	0.70	100%	26.37	26.99	0.62	0.70	113%	CO	*Coal*	3857	1.52	1.51	CO
TM17CC-07	4	26.70	27.20	0.50	0.50	100%	26.99	27.49	0.50	0.50	100%	CO	*Coal*	3858	1.96	1.87	XM
TM17CC-07	4	27.20	27.50	0.30	0.00	0%	27.49	27.54	0.05	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.02	KLNC
TM17CC-07	5	27.50	28.17	0.67	0.67	100%	27.54	28.21	0.67	0.67	100%	CO	*Coal*	3859	1.93	1.94	XM
TM17CC-07	5	28.17	28.47	0.30	0.30	100%	28.21	28.51	0.30	0.30	100%	XM	*Carbonaceous Mudstone*	3860	2.16	2.24	XM
TM17CC-07	5	28.47	29.00	0.53	0.65	123%	28.51	29.16	0.65	0.65	100%	MS	*Mudstone*		-	2.38	MS
TM17CC-07	6	29.00	30.43	1.43	1.43	100%	29.16	30.59	1.43	1.43	100%	MS	*Mudstone*		-	2.56	MS
TM17CC-07	6	30.43	30.50	0.07	0.00	0%	30.59	30.60	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.56	KLNC
TM17CC-07		30.50	53.95	23.45	-		30.60	53.95	23.35	-	FALSE	NL	*Not Logged*		-	2.58	NL
TM17CC-07	7	53.95	54.45	0.50	0.57	114%	53.95	54.52	0.57	0.57	100%	ST	*Siltstone*		-	2.63	ST
TM17CC-07	8	54.45	55.95	1.50	1.50	100%	54.52	56.02	1.50	1.50	100%	ST	*Siltstone*		-	2.68	ST
TM17CC-07	9	55.95	56.03	0.08	0.00	0%	56.02	56.05	0.03	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.64	KLNC
TM17CC-07	9	56.03	56.20	0.17	0.17	100%	56.05	56.22	0.17	0.17	100%	ST	*Siltstone*		-	2.62	ST
TM17CC-07	9	56.20	56.42	0.22	0.22	100%	56.22	56.44	0.22	0.22	100%	MS	*Mudstone*		-	2.61	MS
TM17CC-07	9	56.42	57.07	0.65	0.65	100%	56.44	57.09	0.65	0.65	100%	MS	*Mudstone*		-	2.59	MS
TM17CC-07	9	57.07	57.50	0.43	0.43	100%	57.09	57.52	0.43	0.43	100%	XM	*Carbonaceous Mudstone*		-	2.50	MS
TM17CC-07	10	57.50	57.93	0.43	0.43	100%	57.52	57.95	0.43	0.43	100%	XM	*Carbonaceous Mudstone*	3861	2.04	2.30	MS
TM17CC-07	10	57.93	58.83	0.90	0.90	100%	57.95	58.85	0.90	0.90	100%	CO	*Coal*	3862	1.89	1.84	XM

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-07	10	58.83	59.00	0.17	0.00	0%	58.85	59.31	0.46	0.00	0%	KL	*Core Loss, undifferentiated*		-	1.90	KLNC
TM17CC-07	11	59.00	59.37	0.37	0.37	100%	59.31	59.65	0.34	0.37	108%	CO	*Coal*	3863	1.66	1.65	CO
TM17CC-07	11	59.37	60.10	0.73	0.73	100%	59.65	60.33	0.67	0.73	108%	CO	*Coal*	3864	1.47	1.55	CO
TM17CC-07	11	60.10	60.55	0.45	0.00	0%	60.33	60.33	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	-	KLCO
TM17CC-07	12	60.55	60.77	0.22	0.22	100%	60.33	60.54	0.20	0.22	108%	CO	*Coal*	3865	1.42	1.54	CO
TM17CC-07	12	60.77	61.39	0.62	0.62	100%	60.54	61.11	0.57	0.62	108%	CO	*Coal*	3866	1.59	1.64	CO
TM17CC-07	12	61.39	62.05	0.66	0.80	121%	61.11	61.85	0.74	0.80	108%	CO	*Coal*	3867	1.45	1.66	CO
TM17CC-07	13	62.05	62.87	0.82	0.82	100%	61.85	62.61	0.76	0.82	108%	CO	*Coal*	3868	1.54	1.53	CO
TM17CC-07	13	62.87	63.60	0.73	0.81	111%	62.61	63.35	0.75	0.81	108%	CO	*Coal*	3869	1.53	1.63	CO
TM17CC-07	14	63.60	64.42	0.82	0.82	100%	63.35	64.11	0.76	0.82	108%	CO	*Coal*	3870	1.7	1.57	CO
TM17CC-07	14	64.42	65.10	0.68	0.71	104%	64.11	64.83	0.72	0.71	99%	CO	*Coal*	3871	2.18	1.94	XM
TM17CC-07	15	65.10	65.36	0.26	0.26	100%	64.83	65.09	0.26	0.26	101%	XM	*Carbonaceous Mudstone*		-	2.32	XM
TM17CC-07	15	65.36	65.50	0.14	0.14	100%	65.09	65.22	0.14	0.14	101%	XM	*Carbonaceous Mudstone*		-	2.33	XM
TM17CC-07	15	65.50	65.84	0.34	0.34	100%	65.22	65.56	0.34	0.34	101%	XM	*Carbonaceous Mudstone*		-	2.33	XM
TM17CC-07	15	65.84	66.12	0.28	0.28	100%	65.56	65.84	0.28	0.28	101%	XM	*Carbonaceous Mudstone*		-	2.33	XM
TM17CC-07	15	66.12	66.39	0.27	0.27	100%	65.84	66.10	0.27	0.27	101%	XM	*Carbonaceous Mudstone*		-	2.20	XM
TM17CC-07	15	66.39	66.65	0.26	0.31	119%	66.10	66.41	0.31	0.31	101%	ST	*Siltstone*		-	2.43	ST
TM17CC-07	16	66.65	68.15	1.50	1.60	107%	66.41	67.99	1.58	1.60	101%	ST	*Siltstone*		-	2.60	ST
TM17CC-07	17	68.15	68.29	0.14	0.14	100%	67.99	68.12	0.14	0.14	101%	MS	*Mudstone*		-	2.57	MS

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-07	17	68.29	68.62	0.33	0.33	100%	68.12	68.45	0.33	0.33	101%	XM	*Carbonaceous Mudstone*	3872	2.15	2.37	MS
TM17CC-07	17	68.62	69.22	0.60	0.60	100%	68.45	69.01	0.56	0.60	107%	CO	*Coal*	3873	1.48	1.71	CO
TM17CC-07	17	69.22	69.30	0.08	0.08	100%	69.01	69.10	0.09	0.08	89%	XM	*Carbonaceous Mudstone*	3874	2.38	2.17	MS
TM17CC-07	17	69.30	69.52	0.22	0.22	100%	69.10	69.35	0.25	0.22	89%	ST	*Siltstone*	3874	2.38	2.44	ST
TM17CC-07	17	69.52	69.70	0.18	0.18	100%	69.35	69.55	0.20	0.18	89%	ST	*Siltstone*		-	2.57	ST
TM17CC-07	18	69.70	71.05	1.35	1.42	105%	69.55	71.14	1.59	1.42	89%	ST	*Siltstone*		-	2.73	ST
TM17CC-07	18	71.05	71.20	0.15	0.15	100%	71.14	71.31	0.17	0.15	89%	ST	*Siltstone*	3875	2.6	2.34	ST
TM17CC-07	19	71.20	71.35	0.15	0.15	100%	71.31	71.48	0.17	0.15	89%	MS	*Mudstone*	3875	2.6	1.89	MS
TM17CC-07	19	71.35	71.58	0.23	0.23	100%	71.48	71.67	0.19	0.23	122%	CO	*Coal*	3876	1.51	1.55	CO
TM17CC-07	19	71.58	72.16	0.58	0.58	100%	71.67	72.14	0.48	0.58	122%	CO	*Coal*	3877	1.68	1.80	CO
TM17CC-07	19	72.16	72.30	0.14	0.14	100%	72.14	72.26	0.11	0.14	122%	XM	*Carbonaceous Mudstone*	3878	1.78	1.93	XM
TM17CC-07	19	72.30	72.63	0.33	0.33	100%	72.26	72.53	0.27	0.33	122%	CO	*Coal*	3878	1.78	1.95	XM
TM17CC-07	19	72.63	72.75	0.12	0.01	8%	72.53	72.54	0.01	0.01	122%	KL	*Core Loss, undifferentiated*		-	-	KLNC
TM17CC-07	20	72.75	72.91	0.16	0.16	100%	72.54	72.67	0.13	0.16	122%	CO	*Coal*	3879	1.87	1.93	XM
TM17CC-07	20	72.91	73.00	0.09	0.09	100%	72.67	72.74	0.07	0.09	122%	XM	*Carbonaceous Mudstone*	3879	1.87	1.91	XM
TM17CC-07	20	73.00	73.49	0.49	0.49	100%	72.74	73.15	0.40	0.49	122%	CO	*Coal*	3879	1.87	1.80	XM
TM17CC-07	20	73.49	74.24	0.75	0.75	100%	73.15	73.76	0.62	0.75	122%	CO	*Coal*	3880	1.68	1.64	CO
TM17CC-07	20	74.24	74.25	0.01	0.01	100%	73.76	73.77	0.01	0.01	122%	KL	*Core Loss, undifferentiated*		-	-	KLCO
TM17CC-07	21	74.25	74.30	0.05	0.01	20%	73.77	73.78	0.01	0.01	122%	KL	*Core Loss, undifferentiated*		-	-	KLCO
TM17CC-07	21	74.30	75.07	0.77	0.77	100%	73.78	74.41	0.63	0.77	122%	CO	*Coal*	3881	1.68	1.85	CO
TM17CC-07	21	75.07	75.80	0.73	0.73	100%	74.41	75.39	0.98	0.73	74%	CO	*Coal*	3882	2.21	2.16	MS
TM17CC-07	22	75.80	76.00	0.20	0.20	100%	75.39	75.69	0.30	0.20	67%	CO	*Coal*	3883	1.62	1.81	CO
TM17CC-07	22	76.00	76.82	0.82	0.82	100%	75.69	76.91	1.22	0.82	67%	CO	*Coal*	3884	1.48	1.65	CO
TM17CC-07	22	76.82	77.12	0.30	0.30	100%	76.91	77.21	0.30	0.30	100%	XM	*Carbonaceous Mudstone*	3885	2.44	2.39	MS
TM17CC-07	22	77.12	77.30	0.18	0.25	139%	77.21	77.46	0.25	0.25	100%	MS	*Mudstone*		-	2.56	MS
TM17CC-07	23	77.30	78.85	1.55	1.59	103%	77.46	79.05	1.59	1.59	100%	MS	*Mudstone*		-	2.52	MS

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Density (is) from Geophys	MODEL_Litho
TM17CC-07	24	78.85	78.95	0.10	0.00	0%	79.05	79.06	0.01	0.00	0%	KL	*Core Loss, undifferentiated*		-	2.59	KLNC
TM17CC-07	24	78.95	80.35	1.40	1.40	100%	79.06	80.46	1.40	1.40	100%	MS	*Mudstone*		-		MS

DRILLHOLE LOG - Collar Data

																						Planned			Approx			Surveyed					
Hole ID	Project	Year	Type	Geologist(s)	Rig	Target Seam(s)	Date Drilled	Azimuth	Dip	Driller's TD (m)	Bit Size (mm)	Core Size (mm)	Overburden (m)	Driller's Casing (m)	Corepoint (m)	Date Logged	Open Hole Log to TD?	Logger's TD (m)	Logger's Casing (m)	Water Table (m)	Flowing?	E	N	Elev	E	N	Elev	E	N	Elev	Date Surveyed	Survey ID	Comments
TM17RC-01	TM	2017	RC	ıss; Ian Fraser	GED 130		2017-07-09	0	-90	232.2	178; 140; 133		2	9		2017-07-11	y	231.67	8.4	53	N	663817	5492476	1667	663811	5492476	1693	663813	5492477	1664.21	2017-08-08	2559	TD approximately 5:00pm July 10, 2017

DRILLHOLE LOG - Lithology Data

Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Acid Test Y / N	Description
TM17RC-01		0.00	2.00	2.00		0%	0.00	2.00	2.00	-	-	OV	*Overburden, undifferentiate*		4.35	OV		assume 2m of overburden / drill lease material
TM17RC-01		2.00	11.00	9.00		0%	2.00	11.00	9.00	-	-	SS	*Sandstone*		2.38	SS	N	grey brown, locally limonite stain, moderate size fragments, v gritty
TM17RC-01		11.00	14.00	3.00		0%	11.00	14.00	3.00	-	-	SS	*Sandstone*		1.90	SS	N	as above but very large fragments - fracture zone - driller switched to PDC bit at 12m
TM17RC-01		14.00	23.00	9.00		0%	14.00	23.00	9.00	-	-	SS	*Sandstone*		2.42	SS	N	brown smaller fragments, angular to subangular chips
TM17RC-01		23.00	25.00	2.00		0%	23.00	25.00	2.00	-	-	SS	*Sandstone*		1.75	SS	N	lighter colour - brown, finer grained
TM17RC-01		25.00	28.00	3.00		0%	25.00	28.00	3.00	-	-	SS	*Sandstone*		2.15	SS	N	darker brown, SS as above unit 14-23m
TM17RC-01		28.00	30.00	2.00		0%	28.00	30.00	2.00	-	-	SS	*Sandstone*		2.13	SS	N	brown, very coarse fragments - fracture zone
TM17RC-01		30.00	51.00	21.00		0%	30.00	51.00	21.00	-	-	SS	*Sandstone*		2.37	SS	N	brown-grey, medium grain SS, small - moderate size fragments - angular
TM17RC-01		51.00	54.00	3.00		0%	51.00	52.87	1.87	-	-	MS	*Mudstone*		1.76	XM	N	dark brown, slippery surfaces, soft, small angular fragments
TM17RC-01		54.00	57.00	3.00		0%	52.87	56.37	3.50	-	-	XM	*Carbonaceous Mudstone*		1.52	CO	N	brown-black, a coal component; stringers?, in interval; 60:40 XM to CO?
TM17RC-01		57.00	67.00	10.00		0%	56.37	67.00	10.63	-	-	SS	*Sandstone*		2.30	SS	Y	dark grey with noticeable calcite stringers & bits, fine grain SS
TM17RC-01		67.00	73.00	6.00		0%	67.00	73.00	6.00	-	-	MS	*Mudstone*		2.56	MS	N	dark brown, softer, very little grittiness, platey fragments, angular
TM17RC-01		73.00	74.00	1.00		0%	73.00	74.00	1.00	-	-	ST	*Siltstone*		2.52	ST	Y	dark brown - grey, hard very fine grain ST
TM17RC-01		74.00	80.00	6.00		0%	74.00	80.00	6.00	-	-	MS	*Mudstone*		2.45	MS	Y	dark grey MS brown streak
TM17RC-01		80.00	91.00	11.00		0%	80.00	91.00	11.00	-	-	ST	*Siltstone*		2.56	ST	Y	dark grey ST brown streak
TM17RC-01		91.00	100.00	9.00		0%	91.00	100.00	9.00	-	-	MS	*Mudstone*		2.55	MS	N	dark grey MS
TM17RC-01		100.00	106.00	6.00		0%	100.00	106.00	6.00	-	-	MS	*Mudstone*		2.60	MS	Y	dark grey MS
TM17RC-01		106.00	112.00	6.00		0%	106.00	112.00	6.00	-	-	ST	*Siltstone*		2.60	ST	Y	slightly dark grey ST
TM17RC-01		112.00	117.00	5.00		0%	112.00	117.03	5.03	-	-	MS	*Mudstone*		2.50	MS	Y	slightly dark grey MS
TM17RC-01		117.00	118.00	1.00		0%	117.03	117.91	0.88	-	-	CO	*Coal*	21799	1.62	CO		coal
TM17RC-01		118.00	119.30	1.30		0%	117.91	118.95	1.04	-	-	CO	*Coal*	21800	1.77	XM		coal
TM17RC-01		119.30	120.50	1.20		0%	118.95	120.50	1.55	-	-	MS	*Mudstone*		2.50	MS	Y	grey mudstone
TM17RC-01		120.50	121.00	0.50		0%	120.50	121.00	0.50	-	-	CO	*Coal*	21801	2.82	MS		coal but not great a little rocky
TM17RC-01		121.00	139.70	18.70		0%	121.00	139.55	18.55	-	-	MS	*Mudstone*		2.59	MS	Y	grey MS
TM17RC-01		139.70	140.70	1.00		0%	139.55	140.55	1.00	-	-	CO	*Coal*	21802	1.77	CO		coal slurry
TM17RC-01		140.70	141.70	1.00		0%	140.55	141.55	1.00	-	-	CO	*Coal*	21803	1.58	CO		coal slurry
TM17RC-01		141.70	142.70	1.00		0%	141.55	142.55	1.00	-	-	CO	*Coal*	21804	1.73	CO		coal slurry
TM17RC-01		142.70	143.70	1.00		0%	142.55	143.55	1.00	-	-	CO	*Coal*	21805	1.62	CO		coal slurry
TM17RC-01		143.70	144.70	1.00		0%	143.55	144.55	1.00	-	-	CO	*Coal*	21806	1.56	CO		coal slurry
TM17RC-01		144.70	145.70	1.00		0%	144.55	145.70	1.15	-	-	CO	*Coal*	21807	2.28	MS		coal slurry
TM17RC-01		145.70	146.70	1.00		0%	145.70	146.70	1.00	-	-	MS	*Mudstone*	21808	2.45	MS		
TM17RC-01		146.70	150.00	3.30		0%	146.70	150.00	3.30	-	-	SU	*Sedimentary Rock, undiffere*		2.55	SU		rock but nothing sampled
TM17RC-01		150.00	153.00	3.00		0%	150.00	153.00	3.00	-	-	ST	*Siltstone*		2.55	ST	N	grey siltstone
TM17RC-01		153.00	157.00	4.00		0%	153.00	157.00	4.00	-	-	SS	*Sandstone*		2.57	SS	Y	grey fine grained SS
TM17RC-01		157.00	162.50	5.50		0%	157.00	162.23	5.23	-	-	SS	*Sandstone*		2.51	SS	N	grey fine grained SS
TM17RC-01		162.50	163.50	1.00		0%	162.23	163.27	1.04	-	-	CO	*Coal*	21809	1.84	CO		coal
TM17RC-01		163.50	164.50	1.00		0%	163.27	164.30	1.03	-	-	CO	*Coal*	21810	1.78	CO		coal
TM17RC-01		164.50	165.00	0.50		0%	164.30	164.82	0.52	-	-	MS	*Mudstone*	EXCL	2.24	MS		grey MS
TM17RC-01		165.00	166.00	1.00		0%	164.82	165.86	1.04	-	-	CO	*Coal*	21811	2.14	CO		coal
TM17RC-01		166.00	167.00	1.00		0%	165.86	166.90	1.04	-	-	CO	*Coal*	21812	2.13	CO		coal
TM17RC-01		167.00	168.00	1.00		0%	166.90	167.93	1.03	-	-	CO	*Coal*	21813	2.23	CO		coal
TM17RC-01		168.00	169.00	1.00		0%	167.93	168.97	1.04	-	-	CO	*Coal*	21814	1.73	CO		coal
TM17RC-01		169.00	170.00	1.00		0%	168.97	170.01	1.04	-	-	CO	*Coal*	21815	2.07	CO		coal
TM17RC-01		170.00	171.00	1.00		0%	170.01	171.05	1.04	-	-	CO	*Coal*	21816	1.90	CO		coal
TM17RC-01		171.00	172.00	1.00		0%	171.05	172.08	1.03	-	-	CO	*Coal*	21817	1.88	CO		coal

DRILLHOLE LOG - Lithology Data

Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Acid Test Y / N	Description
TM17RC-01		172.00	173.00	1.00		0%	172.08	173.12	1.04	-	-	CO	*Coal*	21818	1.91	CO		coal
TM17RC-01		173.00	174.00	1.00		0%	173.12	174.16	1.04	-	-	CO	*Coal*	21819	1.68	CO		coal
TM17RC-01		174.00	175.00	1.00		0%	174.16	175.20	1.04	-	-	CO	*Coal*	21820	1.69	CO		coal
TM17RC-01		175.00	176.00	1.00		0%	175.20	176.23	1.03	-	-	CO	*Coal*	21821	1.72	CO		coal
TM17RC-01		176.00	177.00	1.00		0%	176.23	177.27	1.04	-	-	CO	*Coal*	21822	1.68	CO		coal
TM17RC-01		177.00	178.00	1.00		0%	177.27	178.00	0.73	-	-	MS	*Mudstone*	21823	2.53	MS		grey mudstone
TM17RC-01		178.00	181.00	3.00		0%	178.00	181.00	3.00	-	-	SU	*Sedimentary Rock, undiffere*		2.41	SU		not coal
TM17RC-01		181.00	186.00	5.00		0%	181.00	186.00	5.00	-	-	SS	*Sandstone*		2.63	SS	N	grey fine grain, hard, gritty
TM17RC-01		186.00	187.00	1.00		0%	186.00	187.00	1.00	-	-	MS	*Mudstone*		2.59	MS	N	brown, very soft
TM17RC-01		187.00	188.00	1.00		0%	187.00	188.00	1.00	-	-	CO	*Coal*	21824	2.00	CO		coal
TM17RC-01		188.00	193.00	5.00		0%	188.00	193.00	5.00	-	-	MS	*Mudstone*		2.37	MS		brown, soft, small chips / fragments
TM17RC-01		193.00	195.00	2.00		0%	193.00	195.00	2.00	-	-	SS	*Sandstone*		2.65	SS		grey, fine grain, hard, gritty larger fragments SS-ST?
TM17RC-01		195.00	227.00	32.00		0%	195.00	227.00	32.00	-	-	SS	*Sandstone*		2.56	SS		brown-grey, coarser grained, gritty
TM17RC-01		227.00	232.20	5.20		0%	227.00	232.20	5.20	-	-	ST	*Siltstone*			ST		brown, very fine grain, hard
													-					

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-04	TM	2017	RC	663819	5492188	1710	0	-90	190	Ian Fraser; Brian Larsen	GED 130	2017-07-21	2017-07-22	663819	5492187	1722	0	-90	208.90	2.50	8.70		2017-07-22	206.69	73-206.69	2017-08-08	2572	663820.603	5492182.154	1709.054	Hole bridged at 18m on second attempt on an open hole log.

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DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	DRILLER'S DEPTHS To (m)	DRILLER'S DEPTHS Interval (m)	CORRECTED DEPTHS From (m)	CORRECTED DEPTHS To (m)	CORRECTED DEPTHS Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-04		0.00	2.50	2.50	0.00	2.50	2.50	-	-	OV	*Overburden, undifferentiated*		6.20	OV	
TM17RC-04		2.50	27.00	24.50	2.50	27.00	24.50	-	-	SS	*Sandstone*		2.16	SS	mix of sands and SS with large fragments, jointed and fractured, washouts
TM17RC-04		27.00	31.00	4.00	27.00	31.00	4.00	-	-	SS	*Sandstone*		1.76	SS	rusty SS, with consistent chips, gritty and coarse - drill pipe plugging w frags.
TM17RC-04		31.00	41.00	10.00	31.00	41.00	10.00	-	-	SS	*Sandstone*		1.82	SS	grey SS, mix of coarse sand and large frags, some rusty coloured frags hard
TM17RC-04		41.00	50.00	9.00	41.00	50.00	9.00	-	-	SS	*Sandstone*		1.81	SS	grey SS, gritty and coarse consistent smaller frags
TM17RC-04		50.00	56.00	6.00	50.00	56.00	6.00	-	-	XM	*Carbonaceous Mudstone*		1.89	XM	carb. MS
TM17RC-04		56.00	62.00	6.00	56.00	62.00	6.00	-	-	SS	*Sandstone*		1.88	SS	gritty grey SS, some frags
TM17RC-04		62.00	72.50	10.50	62.00	72.50	10.50	-	-	MS	*Mudstone*		2.18	MS	no description
TM17RC-04		72.50	73.50	1.00	72.50	73.07	0.57	-	-	XM	*Carbonaceous Mudstone*	3097	1.90	XM	carb. MS
TM17RC-04		73.50	74.50	1.00	73.07	73.87	0.80	-	-	CO	*Coal*	3098	1.50	CO	coaly with carbonaceous MS, granular
TM17RC-04		74.50	75.50	1.00	73.87	75.50	1.63	-	-	CO	*Coal*	3099	2.42	XM	coaly with carbonaceous MS, granular
TM17RC-04		75.50	76.00	0.50	75.50	76.00	0.50	-	-	XM	*Carbonaceous Mudstone*		2.42	XM	carb. MS
TM17RC-04		76.00	77.00	1.00	76.00	77.00	1.00	-	-	ST	*Siltstone*		2.42	ST	brownish mud
TM17RC-04		77.00	116.00	39.00	77.00	115.43	38.43	-	-	ST	*Siltstone*		2.52	ST	grey ST soft, bit gritty, consistent frags, uniform
TM17RC-04		116.00	117.00	1.00	115.43	115.93	0.50	-	-	XM	*Carbonaceous Mudstone*		1.96	XM	carb. MS
TM17RC-04		117.00	129.50	12.50	115.93	129.03	13.10	-	-	ST	*Siltstone*		2.49	ST	grey ST soft, bit gritty, consistent frags, uniform
TM17RC-04		129.50	130.50	1.00	129.03	130.30	1.27	-	-	CO	*Coal*	3100	1.56	CO	CO/XM coaly carbonaceous, very granular and rocky
TM17RC-04		130.50	131.50	1.00	130.30	131.57	1.27	-	-	CO	*Coal*	3151	1.74	XM	CO/XM coaly carbonaceous, very granular and rocky
TM17RC-04		131.50	145.50	14.00	131.57	145.23	13.66	-	-	MS	*Mudstone*		2.48	MS	dark grey, soft smooth, very consistent frags, few large frags
TM17RC-04		145.50	146.50	1.00	145.23	146.33	1.10	-	-	CO	*Coal*	3152	1.75	CO	dull, muddy texture, bit granular
TM17RC-04		146.50	147.50	1.00	146.33	147.43	1.10	-	-	CO	*Coal*	3153	1.73	CO	dull, muddy texture, bit granular
TM17RC-04		147.50	148.50	1.00	147.43	148.53	1.10	-	-	CO	*Coal*	3154	1.42	CO	as above, few rocky partitions
TM17RC-04		148.50	149.50	1.00	148.53	149.63	1.10	-	-	CO	*Coal*	3155	1.43	CO	dull, muddy
TM17RC-04		149.50	150.50	1.00	149.63	150.73	1.10	-	-	CO	*Coal*	3156	1.48	CO	as above
TM17RC-04		150.50	151.50	1.00	150.73	152.03	1.30	-	-	CO	*Coal*	3157	2.02	XM	as above
TM17RC-04		151.50	152.50	1.00	152.03	152.99	0.96	-	-	CO	*Coal*	3158	1.46	CO	as above
TM17RC-04		152.50	153.70	1.20	152.99	154.14	1.15	-	-	CO	*Coal*	3159	1.56	CO	as above
TM17RC-04		153.70	154.70	1.00	154.14	155.11	0.97	-	-	CO	*Coal*	3160	1.56	CO	as above
TM17RC-04		154.70	155.70	1.00	155.11	156.07	0.96	-	-	CO	*Coal*	3161	1.44	CO	as above
TM17RC-04		155.70	156.70	1.00	156.07	157.03	0.96	-	-	CO	*Coal*	3162	1.97	CO	as above
TM17RC-04		156.70	157.70	1.00	157.03	157.99	0.96	-	-	CO	*Coal*	3163	1.47	CO	dull muddy, granular
TM17RC-04		157.70	158.70	1.00	157.99	158.94	0.95	-	-	CO	*Coal*	3164	1.97	XM	as above
TM17RC-04		158.70	159.80	1.10	158.94	159.99	1.05	-	-	CO	*Coal*	3165	2.21	XM	as above
TM17RC-04		159.80	160.80	1.00	159.99	161.03	1.04	-	-	CO	*Coal*	3166	1.46	CO	as above

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	DRILLER'S DEPTHS To (m)	DRILLER'S DEPTHS Interval (m)	CORRECTED DEPTHS From (m)	CORRECTED DEPTHS To (m)	CORRECTED DEPTHS Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-04		160.80	161.80	1.00	161.03	162.07	1.04	-	-	CO	*Coal*	3167	1.45	CO	as above
TM17RC-04		161.80	162.80	1.00	162.07	163.11	1.04	-	-	CO	*Coal*	3168	1.47	CO	as above
TM17RC-04		162.80	163.80	1.00	163.11	164.15	1.04	-	-	CO	*Coal*	3169	1.63	CO	dull, muddy, increasing granular
TM17RC-04		163.80	164.90	1.10	164.15	165.29	1.14	-	-	CO	*Coal*	3170	1.51	CO	as above
TM17RC-04		164.90	166.00	1.10	165.29	166.33	1.04	-	-	XM	*Carbonaceous Mudstone*	EXCL	2.22	XM	black, dark brown with rusty bits very soft carbonaceous mudstone
TM17RC-04		166.00	167.00	1.00	166.33	167.36	1.03	-	-	CO	*Coal*	3171	1.62	CO	as above but more coaly XM/CO
TM17RC-04		167.00	168.00	1.00	167.36	168.40	1.04	-	-	CO	*Coal*	3172	2.04	CO	dull black, muddy
TM17RC-04		168.00	169.00	1.00	168.40	169.43	1.03	-	-	CO	*Coal*	3173	1.57	CO	dull black, muddy
TM17RC-04		169.00	170.00	1.00	169.43	170.47	1.04	-	-	CO	*Coal*	3174	1.59	CO	dull black, muddy
TM17RC-04		170.00	171.00	1.00	170.47	171.50	1.03	-	-	CO	*Coal*	3175	1.82	CO	dull black, muddy
TM17RC-04		171.00	172.00	1.00	171.50	172.54	1.04	-	-	CO	*Coal*	3176	1.62	CO	dull black, muddy
TM17RC-04		172.00	173.00	1.00	172.54	173.57	1.03	-	-	CO	*Coal*	3177	1.56	CO	dull black, muddy
TM17RC-04		173.00	174.00	1.00	173.57	174.57	1.00	-	-	CO	*Coal*	3178	2.43	XM	dull black, muddy
TM17RC-04		174.00	181.00	7.00	174.57	181.00	6.43	-	-	MS	*Mudstone*		2.47	MS	dark grey, soft, smooth surfaces, no FIZZ, MS
TM17RC-04		181.00	184.00	3.00	181.00	184.00	3.00	-	-	SS	*Sandstone*		2.57	SS	grey, fine grain, gritty SS
TM17RC-04		184.00	186.00	2.00	184.00	186.00	2.00	-	-	MS	*Mudstone*		2.61	MS	dark grey with rusty bits MS
TM17RC-04		186.00	208.90	22.90	186.00	208.90	22.90	-	-	SS	*Sandstone*		0.69	SS	grey, fine grain, gritty SS

DRILLHOLE LOG - Collar Data

																						Planned			Approx			Surveyed					
Hole ID	Project	Year	Type	Geologist(s)	Rig	Target Seam(s)	Date Drilled	Azimuth	Dip	Driller's TD (m)	Bit Size (mm)	Core Size (mm)	Overburden (m)	Driller's Casing (m)	Corepoint (m)	Date Logged	Open Hole Log to TD?	Logger's TD (m)	Logger's Casing (m)	Water Table (m)	Flowing?	E	N	Elev	E	N	Elev	E	N	Elev	Date Surveyed	Survey ID	Comments
TM17RC-05	TM	2017	RC	ıss, Ian Fraser	GED 130		2017-07-05	0	-90	214.5	178, 140		3	9		2017-07-06	NO	206	9	24.44	NO	663811	5492338	1707	663818	5492338	1717	663821	5492334	1708.6	2017-08-08	2569	Open hole log bridged at 68m - 2 attempts made.

DRILLHOLE LOG - Lithology Data

CanAus Coal Limited

Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Description
TM17RC-05		0.00	3.00	3.00		0%	0.00	3.00	3.00	-	-	OV	*Overburden, undifferentiate*		4.25	OV	Dust
TM17RC-05		3.00	14.00	11.00		0%	3.00	14.00	11.00	-	-	SS	*Sandstone*		2.36	SS	Grey medium grained sandstone, very fractured down to 6m
TM17RC-05		14.00	27.00	13.00		0%	14.00	24.47	10.47	-	-	SS	*Sandstone*		2.28	SS	Grey fine grained sandstone
TM17RC-05		27.00	28.00	1.00		0%	24.47	28.00	3.53	-	-	CO	*Coal*		1.13	CO	softer drilling black. Driller wasn't sure, coal chips taken are coal
TM17RC-05		28.00	29.00	1.00		0%	28.00	29.07	1.07	-	-	CO	*Coal*	21745	1.24	CO	Coal black shiny. I believe there is about a 2m coal seam here.
TM17RC-05		29.00	43.00	14.00		0%	29.07	43.00	13.93	-	-	SS	*Sandstone*		2.39	SS	Grey fine grained sandstone, very slight reaction to acid
TM17RC-05		43.00	44.00	1.00		0%	43.00	44.00	1.00	-	-	MS	*Mudstone*		2.25	MS	Black mudstone soft, no Fizz
TM17RC-05		44.00	46.00	2.00		0%	44.00	46.00	2.00	-	-	SS	*Sandstone*		1.86	SS	hard, gritty, fine grain, subangular - angular fragments, no Fizz
TM17RC-05		46.00	53.00	7.00		0%	46.00	53.00	7.00	-	-	ST	*Siltstone*		1.98	ST	smaller fragments, subangular, grey, hard and gritty, fg SS-ST, no Fizz
TM17RC-05		53.00	67.00	14.00		0%	53.00	67.00	14.00	-	-	SS	*Sandstone*			SS	larger fragments, lt grey, subangular - angular, gritty c grained than above unit, no Fizz
TM17RC-05		67.00	75.00	8.00		0%	67.00	75.00	8.00	-	-	ST	*Siltstone*			ST	intermixed SS within predominnant ST unit, smaller fragments, subangular becoming more rounded, f grained, slight grittiness, possible minor intermixed MS
TM17RC-05		75.00	110.00	35.00		0%	75.00	110.00	35.00	-	-	ST	*Siltstone*			ST	subangular to more rounded and fragments, dk brown, v f grained gritty ST locally weak Fizz
TM17RC-05		110.00	112.00	2.00		0%	110.00	112.00	2.00	-	-	ST	*Siltstone*		2.54	ST	colour change to lt brown, slightly softer, f grained ST, some grittiness, no Fizz
TM17RC-05		112.00	117.00	5.00		0%	112.00	117.00	5.00	-	-	SS	*Sandstone*		2.57	SS	darker colour, brown - grey, gritty angular fragments, no Fizz
TM17RC-05		117.00	119.00	2.00		0%	117.00	119.00	2.00	-	-	ST	*Siltstone*		2.50	ST	lighter colour brown, smaller fragments, angular, less gritty, no Fizz
TM17RC-05		119.00	136.50	17.50		0%	119.00	136.37	17.37	-	-	SS	*Sandstone*		2.45	SS	colour change to darker brown, coarser grained, gritty SS,larger fragments angular no Fizz
TM17RC-05		136.50	137.50	1.00		0%	136.37	137.57	1.20	-	-	CO	*Coal*	21746	1.56	CO	black fg slurry, driller suggested previous 0.5m coaly, harder XM
TM17RC-05		137.50	138.00	0.50		0%	137.57	137.89	0.32	-	-	CO	*Coal*	21747	1.73	XM	as above increasingly more rocky to end of run
TM17RC-05		138.00	157.00	19.00		0%	137.89	158.55	20.66	-	-	MS	*Mudstone*		2.53	MS	brown, less gritty to not gritty, possibly interbedded with ST locally
TM17RC-05		157.00	159.00	2.00		0%	158.55	159.39	0.84	-	-	XM	*Carbonaceous Mudstone*		1.81	XM	brown, soft, platy fragments, weak fizz
TM17RC-05		159.00	160.00	1.00		0%	159.39	160.25	0.86	-	-	CO	*Coal*	21748	1.79	CO	black, granular, locally good slurry, thin partings XM distributed throughout.
TM17RC-05		160.00	161.00	1.00		0%	160.25	161.11	0.86	-	-	CO	*Coal*	21749	1.62	CO	gritty becoming coal slurry
TM17RC-05		161.00	162.00	1.00		0%	161.11	161.97	0.86	-	-	CO	*Coal*	21750	1.74	CO	good coal slurry
TM17RC-05		162.00	163.00	1.00		0%	161.97	162.83	0.86	-	-	CO	*Coal*	21751	1.41	CO	good coal slurry
TM17RC-05		163.00	164.00	1.00		0%	162.83	163.69	0.86	-	-	CO	*Coal*	21752	1.55	CO	muddy coal, dull
TM17RC-05		164.00	165.00	1.00		0%	163.69	164.55	0.86	-	-	CO	*Coal*	21753	1.59	CO	more granular
TM17RC-05		165.00	166.00	1.00		0%	164.55	165.41	0.86	-	-	CO	*Coal*	21754	1.51	CO	fine to mid size fragments
TM17RC-05		166.00	167.00	1.00		0%	165.41	166.27	0.86	-	-	CO	*Coal*	21755	1.56	CO	some XM fragments
TM17RC-05		167.00	167.70	0.70		0%	166.27	167.37	1.10	-	-	CO	*Coal*	21756	2.14	XM	As above
TM17RC-05		167.70	168.00	0.30		0%	167.37	168.21	0.84	-	-	XM	*Carbonaceo*	EXCL	2.42	XM	rocky, dk brown MS
TM17RC-05		168.00	169.00	1.00		0%	168.21	169.07	0.86	-	-	CO	*Coal*	21757	1.52	CO	Intermixed CO with XM parting
TM17RC-05		169.00	169.50	0.50		0%	169.07	169.61	0.54	-	-	XM	*Carbonaceo*	21758	1.78	XM	Intermixed CO with XM parting
TM17RC-05		169.50	171.00	1.50		0%	169.61	170.51	0.90	-	-	XM	*Carbonaceo*	EXCL	2.24	XM	Carbonaceous MS parting
TM17RC-05		171.00	172.00	1.00		0%	170.51	171.64	1.13	-	-	CO	*Coal*	21759	1.69	CO	Small grainy coal fragments, dull
TM17RC-05		172.00	173.00	1.00		0%	171.64	172.76	1.12	-	-	CO	*Coal*	21760	1.58	CO	Small grainy coal fragments, dull
TM17RC-05		173.00	174.00	1.00		0%	172.76	173.89	1.13	-	-	CO	*Coal*	21761	1.82	CO	Small grainy coal fragments, dull, grading into XM
TM17RC-05		174.00	175.00	1.00		0%	173.89	175.02	1.13	-	-	XM	*Carbonaceo*	21762	1.63	CO	Carbonaceous MS intermixed w/ CO

DRILLHOLE LOG - Lithology Data

Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Description
TM17RC-05		175.00	176.00	1.00		0%	175.02	176.14	1.12	-	-	XM	*Carbonaceo*	21763	1.77	CO	Carbonaceous MS intermixed w/ CO
TM17RC-05		176.00	177.00	1.00		0%	176.14	177.27	1.13	-	-	XM	*Carbonaceo*	21764	1.63	CO	Carbonaceous MS intermixed w/ CO
TM17RC-05		177.00	178.00	1.00		0%	177.27	178.00	0.73	-	-	XM	*Carbonaceo*	21765	2.32	XM	Carbonaceous MS intermixed w/ CO
TM17RC-05		178.00	182.00	4.00		0%	178.00	182.00	4.00	-	-	MS	*Mudstone*		2.46	MS	Dark grey MS a few carbonaceous chips
TM17RC-05		182.00	188.00	6.00		0%	182.00	188.00	6.00	-	-	SS	*Sandstone*		2.56	SS	Grey fine grained sandstone
TM17RC-05		188.00	190.00	2.00		0%	188.00	190.00	2.00	-	-	SS	*Sandstone*		2.47	SS	Grey very fine grained SS
TM17RC-05		190.00	200.00	10.00		0%	190.00	200.00	10.00	-	-	ST	*Siltstone*		2.58	ST	Grey siltstone
TM17RC-05		200.00	214.50	14.50		0%	200.00	214.50	14.50	-	-	SS	*Sandstone*			SS	Grey fine grained SS

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-06	TM	2017	RC	663928	5492052	1717	0	-90	105	Ian Fraser; David Ross	GED130	2017-07-29	2017-07-30	663935	5492076	1715	0	-90	95.00	4.00	8.80		2017-07-30		94.95	2017-08-08	2573	663936.031	5492073.117	1721.739	TD 95m @6:30am July 30/17

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DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Other Comments
TM17RC-06		0.00	4.00	4.00		-	0.00	4.00	4.00	-	-	OV	*Overburden, undifferentiated*		2.60		
TM17RC-06		4.00	9.00	5.00		-	4.00	9.00	5.00	-	-	MS	*Mudstone*		2.43		
TM17RC-06		9.00	12.40	3.40		-	9.00	12.25	3.25	-	-	XM	*Carbonaceous Mudstone*		2.20		
TM17RC-06		12.40	13.40	1.00		-	12.25	13.38	1.13	-	-	CO	*Coal*	3252	1.66		
TM17RC-06		13.40	14.40	1.00		-	13.38	14.52	1.14	-	-	CO	*Coal*	3253	1.59		
TM17RC-06		14.40	15.40	1.00		-	14.52	15.65	1.13	-	-	CO	*Coal*	3254	1.75		
TM17RC-06		15.40	16.40	1.00		-	15.65	16.40	0.75	-	-	XM	*Carbonaceous Mudstone*	3255	2.20		
TM17RC-06		16.40	18.00	1.60		-	16.40	18.00	1.60	-	-	ST	*Siltstone*		2.43		
TM17RC-06		18.00	29.00	11.00		-	18.00	29.00	11.00	-	-	ST	*Siltstone*		2.43		
TM17RC-06		29.00	37.00	8.00		-	29.00	37.00	8.00	-	-	MS	*Mudstone*		2.36		
TM17RC-06		37.00	45.00	8.00		-	37.00	45.00	8.00	-	-	ST	*Siltstone*		2.42		
TM17RC-06		45.00	47.00	2.00		-	45.00	47.00	2.00	-	-	MS	*Mudstone*		2.37		
TM17RC-06		47.00	51.50	4.50		-	47.00	51.11	4.11	-	-	XM	*Carbonaceous Mudstone*		2.25		
TM17RC-06		51.50	52.00	0.50		-	51.11	52.23	1.12	-	-	XM	*Carbonaceous Mudstone*	3256	1.73		
TM17RC-06		52.00	53.00	1.00		-	52.23	53.21	0.98	-	-	CO	*Coal*	3257	1.52		
TM17RC-06		53.00	54.00	1.00		-	53.21	54.20	0.99	-	-	CO	*Coal*	3258	1.80		
TM17RC-06		54.00	55.00	1.00		-	54.20	55.18	0.98	-	-	CO	*Coal*	3259	1.51		
TM17RC-06		55.00	56.00	1.00		-	55.18	56.16	0.98	-	-	CO	*Coal*	3260	1.50		
TM17RC-06		56.00	57.00	1.00		-	56.16	57.14	0.98	-	-	CO	*Coal*	3261	1.82		
TM17RC-06		57.00	58.00	1.00		-	57.14	58.13	0.99	-	-	CO	*Coal*	3262	1.64		
TM17RC-06		58.00	59.00	1.00		-	58.13	59.11	0.98	-	-	CO	*Coal*	3263	1.55		
TM17RC-06		59.00	59.50	0.50		-	59.11	59.50	0.39	-	-	XM	*Carbonaceous Mudstone*	3264	2.28		
TM17RC-06		59.50	64.00	4.50		-	59.50	64.00	4.50	-	-	ST	*Siltstone*		2.40		
TM17RC-06		64.00	95.00	31.00		-	64.00	95.00	31.00	-	-	SS	*Sandstone*		1.31		
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DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-07	TM	2017	RC	633933	5491821	1700	0	-90	115	Brian Larsen; David Ross	GED 130	2017-08-03	2017-08-04	663938	5491814	1694	0	-90	120.00	3.00	6.25		2017-08-04		120.25	2017-08-08	2574	663935.796	5491814.389	1692.889	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Lithology Description
TM17RC-07		0.00	3.00	3.00		-	0.00	3.00	3.00	-	-	OV	*Overburden, undifferentiated*		mixed rounded rock
TM17RC-07		3.00	7.00	4.00		-	3.00	7.00	4.00	-	-	SS	*Sandstone*		Grey fine grained SS
TM17RC-07		7.00	13.00	6.00		-	7.00	13.00	6.00	-	-	SS	*Sandstone*		Dark grey fine grained SS
TM17RC-07		13.00	21.00	8.00		-	13.00	21.00	8.00	-	-	SS	*Sandstone*		Dark grey medium grained SS
TM17RC-07		21.00	23.00	2.00		-	21.00	23.00	2.00	-	-	MS	*Mudstone*		Grey MS soft
TM17RC-07		23.00	32.00	9.00		-	23.00	32.00	9.00	-	-	SS	*Sandstone*		Grey medium grained SS
TM17RC-07		32.00	35.00	3.00		-	32.00	35.00	3.00	-	-	ST	*Siltstone*		Grey ST
TM17RC-07		35.00	50.00	15.00		-	35.00	50.00	15.00	-	-	SS	*Sandstone*		Grey medium grained SS
TM17RC-07		50.00	61.00	11.00		-	50.00	61.00	11.00	-	-	SS	*Sandstone*		Grey fine grained SS
TM17RC-07		61.00	68.00	7.00		-	61.00	68.00	7.00	-	-	SS	*Sandstone*		Dark grey medium grained SS
TM17RC-07		68.00	70.00	2.00		-	68.00	70.00	2.00	-	-	MS	*Mudstone*		Dark grey mudstone, soft
TM17RC-07		70.00	79.00	9.00		-	70.00	79.00	9.00	-	-	SS	*Sandstone*		Grey medium grained SS
TM17RC-07		79.00	85.00	6.00		-	79.00	85.00	6.00	-	-	MS	*Mudstone*		Grey MS
TM17RC-07		85.00	88.00	3.00		-	85.00	88.00	3.00	-	-	SS	*Sandstone*		Dark grey fine grained SS
TM17RC-07		88.00	94.00	6.00		-	88.00	94.00	6.00	-	-	MS	*Mudstone*		Dark grey MS
TM17RC-07		94.00	96.00	2.00		-	94.00	96.00	2.00	-	-	SS	*Sandstone*		Dark grey fine grained SS
TM17RC-07		96.00	97.00	1.00		-	96.00	97.00	1.00	-	-	MS	*Mudstone*		Dark grey MS soft
TM17RC-07		97.00	104.00	7.00		-	97.00	104.00	7.00	-	-	SS	*Sandstone*		Grey fine grained SS
TM17RC-07		104.00	105.00	1.00		-	104.00	105.00	1.00	-	-	MS	*Mudstone*		Grey MS
TM17RC-07		105.00	106.00	1.00		-	105.00	106.00	1.00	-	-	SS	*Sandstone*		Grey medium grained SS
TM17RC-07		106.00	108.00	2.00		-	106.00	108.25	2.25	-	-	ST	*Siltstone*		Dark grey ST
TM17RC-07		108.00	111.00	3.00		-	108.25	110.09	1.84	-	-	XM	*Carbonaceous Mudstone*		Black XM
TM17RC-07		111.00	118.00	7.00		-	110.09	118.00	7.91	-	-	MS	*Mudstone*		Grey-Dark grey MS soft
TM17RC-07		118.00	120.00	2.00		-	118.00	120.00	2.00	-	-	SS	*Sandstone*		Grey fine grained SS
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DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-08	TM	2017	RC	663838	5491721	1618	0	-90	100	David Ross; Ian Fraser	GED 130	2017-07-26	2017-07-27	663840	5491706	1621	0	-90	100.00	14.00	18.23		2017-07-27		100.40	2017-08-08	2579	663840.507	5491706.512	1618.533	During logging density tool stuck in casing at 14m. Logger folded calipers and pulled tool out of hole.

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DRILLHOLE LOG - Lithology Data

v3.3 Page _____ of _____

		DRILLER'S DEPTHS					CORRECTED DEPTHS									
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Lithology Description	Other Comments
TM17RC-08		0.00	5.00	5.00		-			-	-	-	OV	*Overburden, undifferentiated*		Gravel; fill	
TM17RC-08		5.00	7.00	2.00		-			-	-	-	OV	*Overburden, undifferentiated*		grey fine grained SS good fizz	
TM17RC-08		7.00	8.00	1.00		-			-	-	-	OV	*Overburden, undifferentiated*		grey ms	
TM17RC-08		8.00	9.00	1.00		-			-	-	-	OV	*Overburden, undifferentiated*		grey medium grained SS good fizz	
TM17RC-08		9.00	10.00	1.00		-			-	-	-	OV	*Overburden, undifferentiated*		grey ms good fizz	
TM17RC-08		10.00	12.00	2.00		-			-	-	-	OV	*Overburden, undifferentiated*		grey medium grained SS	
TM17RC-08		12.00	14.00	2.00		-			-	-	-	OV	*Overburden, undifferentiated*		grey ms bit of a fizz	
TM17RC-08		14.00	19.00	5.00		-			-	-	-	SS	*Sandstone*		grey medium grained SS	
TM17RC-08		19.00	46.00	27.00		-			-	-	-	SS	*Sandstone*		dark grey medium grained SS	
TM17RC-08		46.00	48.00	2.00		-			-	-	-	MS	*Mudstone*		very fine grain, smooth surfaces, calcite bits obvious, very soft MS, no interstitial Fizz	
TM17RC-08		48.00	54.00	6.00		-			-	-	-	SS	*Sandstone*		grey, fine - medium grain, gritty SS	
TM17RC-08		54.00	58.00	4.00		-			-	-	-	SS	*Sandstone*		platey fragments - ST or very fine grain SS, gritty but not as hard, very weak fizz	
TM17RC-08		58.00	64.00	6.00		-			-	-	-	SS	*Sandstone*		medium grain, grey, gritty SS, no Fizz	
TM17RC-08		64.00	81.00	17.00		-			-	-	-	SS	*Sandstone*		as above SS however, calcite present stringers and bits of - no interstitial carbonate / Fizz; driller noticed black water at 80m / CO stringer	
TM17RC-08		81.00	89.00	8.00		-			-	-	-	SS	*Sandstone*		as above SS but less apparent calcite	
TM17RC-08		89.00	95.00	6.00		-			-	-	-	SS	*Sandstone*		as to SS entry at 64-81m, SS with calcite stringers and bits	
TM17RC-08		95.00	100.00	5.00		-			-	-	-	SS	*Sandstone*		SS fine grain, small frags, grainy/gritty, no apparent calcite; TD @ 2:00am July 27/17	
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DRILLHOLE LOG - Collar Data v3.1

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-09	TM	2017	RC	664086	5492290	1668	0	-90	50	Brian Larsen; David Ross	GED 130	2017-07-17	2017-07-18	664078	5492289	1653	0	-90	86.70	3.00	14.50		2017-07-18	84.41	86.62	2017-08-08	2563	664080.934	5492287.372	1668.358	Out-cropping strata in drillpad cut-wall striking NE 19 , dip -90. But David thinks the bedding is horizontal.

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Model Litho	Lithology Description
TM17RC-09		0.00	3.00	3.00		-	0.00	3.00	3.00	-	-	OV	*Overburden, undifferentiated*		OV	
TM17RC-09		3.00	4.00	1.00		-	3.00	4.00	1.00	-	-	SS	*Sandstone*		SS	fine gr dirty SS, large frags
TM17RC-09		4.00	7.00	3.00		-	4.00	6.71	2.71	-	-	XM	*Carbonaceous Mudstone*		XM	
TM17RC-09		7.00	8.00	1.00		-	6.71	7.57	0.86	-	-	CO	*Coal*	3062	CO	dirty coal, increasing granular
TM17RC-09		8.00	20.00	12.00		-	7.57	20.00	12.43	-	-	XM	*Carbonaceous Mudstone*		XM	carb. MS/shale
TM17RC-09		20.00	40.00	20.00		-	20.00	40.00	20.00	-	-	MS	*Mudstone*		MS	grey MS, consistent frags, very uniform, 30 to 40m light fizz, decreasing carb content
TM17RC-09		40.00	46.00	6.00		-	40.00	46.00	6.00	-	-	MS	*Mudstone*		MS	grey MS, consistent frags and hardness, soft
TM17RC-09		46.00	55.00	9.00		-	46.00	55.00	9.00	-	-	ST	*Siltstone*		ST	grey ST w brown mud, consistent frags and hardness, soft
TM17RC-09		55.00	57.00	2.00		-	55.00	57.00	2.00	-	-	MS	*Mudstone*		MS	grey MS, minor calcite
TM17RC-09		57.00	59.00	2.00		-	57.00	59.00	2.00	-	-	ST	*Siltstone*		ST	grey ST w brown mud, consistent frags and hardness, soft
TM17RC-09		59.00	61.00	2.00		-	59.00	61.00	2.00	-	-	XM	*Carbonaceous Mudstone*		XM	carb. stringer
TM17RC-09		61.00	62.00	1.00		-	61.00	62.00	1.00	-	-	MS	*Mudstone*		MS	grey MS
TM17RC-09		62.00	64.00	2.00		-	62.00	64.00	2.00	-	-	ST	*Siltstone*		ST	grey ST w brown mud(clay), greasy, consistent frags and hardness, soft
TM17RC-09		64.00	65.00	1.00		-	64.00	65.00	1.00	-	-	MS	*Mudstone*		MS	shaly MS, grey, soft
TM17RC-09		65.00	66.00	1.00		-	65.00	66.00	1.00	-	-	ST	*Siltstone*		ST	grey ST w brown mud(clay), greasy, consistent frags and hardness, soft
TM17RC-09		66.00	69.00	3.00		-	66.00	69.00	3.00	-	-	MS	*Mudstone*		MS	grey MS
TM17RC-09		69.00	86.70	17.70		-	69.00	86.70	17.70	-	-	ST	*Siltstone*		ST	grey ST w. dominant brown mud

DRILLHOLE LOG - Collar Data v3.1

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-10	TM	2017	RC	664097	5492166	1705	0	-90	85	David Ross; Ian Fraser	GED130	2017-07-19	2017-07-19	664102	5492157	1699	0	-90	111.10	4.00	8.70		2017-07-19		110.98	2017-08-08	2567	664102.702	5492158.874	1705.568	OH log only

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

v3.1 Page _____ of _____

Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description	Other Comments
TM17RC-10		0.00	4.00	4.00		-	0.00	4.00	4.00	-	-	OV	*Overburden, undifferentiated*		4.75	OV	Dirt	
TM17RC-10		4.00	31.00	27.00		-	4.00	31.00	27.00	-	-	MS	*Mudstone*		2.21	MS	Grey dark grey MS	
TM17RC-10		31.00	40.00	9.00		-	31.00	40.00	9.00	-	-	ST	*Siltstone*		2.53	ST	Grey dark grey ST	
TM17RC-10		40.00	55.00	15.00		-	40.00	55.45	15.45	-	-	ST	*Siltstone*		2.55	ST	Grey dark grey ST with a few calcite veins, strong fizz	
TM17RC-10		55.00	56.00	1.00		-	55.45	56.35	0.90	-	-	XM	*Carbonaceous Mudstone*		1.86	XM	Black carbonaceous MS soft	
TM17RC-10		56.00	57.00	1.00		-	56.35	57.33	0.98	-	-	CO	*Coal*	3063	1.61	CO	Coal slurry	
TM17RC-10		57.00	58.00	1.00		-	57.33	58.31	0.98	-	-	CO	*Coal*	3064	1.55	CO	Coal slurry	
TM17RC-10		58.00	59.00	1.00		-	58.31	59.29	0.98	-	-	CO	*Coal*	3065	1.61	CO	Coal slurry	
TM17RC-10		59.00	60.00	1.00		-	59.29	60.27	0.98	-	-	CO	*Coal*	3066	1.73	CO	Coal slurry	
TM17RC-10		60.00	61.00	1.00		-	60.27	61.25	0.98	-	-	CO	*Coal*	3067	1.65	CO	Coal slurry	
TM17RC-10		61.00	62.00	1.00		-	61.25	62.23	0.98	-	-	CO	*Coal*	3068	1.72	CO	Coal slurry	
TM17RC-10		62.00	65.00	3.00		-	62.23	64.86	2.63	-	-	MS	*Mudstone*		2.67	MS	Grey dark grey MS, shiny surface - no fizz	
TM17RC-10		65.00	69.50	4.50		-	64.86	68.81	3.95	-	-	ST	*Siltstone*		2.50	ST	Grey dark grey, harder ST, no fizz	
TM17RC-10		69.50	70.50	1.00		-	68.81	69.92	1.11	-	-	XM	*Carbonaceous Mudstone*	3069	1.77	XM	Carbonaceous MS, brown streak, hard, minor coal bits	
TM17RC-10		70.50	71.50	1.00		-	69.92	71.03	1.11	-	-	CO	*Coal*	3070	1.70	CO	Coal, rocky, coal chips with coal slurry / paste	Interbedded section in geophysics, units not corrected.
TM17RC-10		71.50	72.50	1.00		-	71.03	72.15	1.12	-	-	CO	*Coal*	3071	1.79	CO	Coal slurry	
TM17RC-10		72.50	73.50	1.00		-	72.15	73.26	1.11	-	-	CO	*Coal*	3072	1.94	CO	Coal slurry	
TM17RC-10		73.50	74.50	1.00		-	73.26	74.37	1.11	-	-	CO	*Coal*	3073	1.73	CO	Coal slurry	
TM17RC-10		74.50	75.00	0.50		-	74.37	75.00	0.63	-	-	XM	*Carbonaceous Mudstone*	3074	2.33	XM	Carbonaceous MS - soft, brown streak	
TM17RC-10		75.00	76.00	1.00		-	75.00	76.00	1.00	-	-	XM	*Carbonaceous Mudstone*		2.41	XM	Carbonaceous MS - soft, brown streak	
TM17RC-10		76.00	111.10	35.10		-	76.00	111.10	35.10	-	-	SS	*Sandstone*		1.47	SS	Grey, fine grain coarsening downhole, hard, no fizz	

DRILLHOLE LOG - Collar Data v3.2

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-11	TM	2017	RC	664120	5492048	1734	0	-90	100	Ian Fraser; Brian Larsen	GED 130	2017-07-20	2017-07-20	664126	5492062	1733	0	-90	92.80	5.00	8.60		2017-07-20		92.66	2017-08-08	2565	664122.097	5492064.204	1727.524	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS									
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho
TM17RC-11		0.00	5.00	5.00		-	0.00	5.81	5.81	-	-	OV	*Overburden, undifferentiated*		3.98	OV
TM17RC-11		5.00	7.00	2.00		-	5.81	6.83	1.02	-	-	XM	*Carbonaceous Mudstone*		1.71	XM
TM17RC-11		7.00	16.00	9.00		-	6.83	15.79	8.96	-	-	ST	*Siltstone*		2.31	ST
TM17RC-11		16.00	17.00	1.00		-	15.79	17.15	1.36	-	-	CO	*Coal*	3085	1.72	CO
TM17RC-11		17.00	18.00	1.00		-	17.15	18.51	1.36	-	-	CO	*Coal*	3086	1.54	CO
TM17RC-11		18.00	19.00	1.00		-	18.51	19.87	1.36	-	-	CO	*Coal*	3087	1.79	XM
TM17RC-11		19.00	31.00	12.00		-	19.87	31.00	11.13	-	-	ST	*Siltstone*		2.46	ST
TM17RC-11		31.00	44.00	13.00		-	31.00	43.81	12.81	-	-	MS	*Mudstone*		2.54	MS
TM17RC-11		44.00	45.00	1.00		-	43.81	44.92	1.11	-	-	CO	*Coal*	3088	1.82	CO
TM17RC-11		45.00	46.00	1.00		-	44.92	46.02	1.10	-	-	CO	*Coal*	3089	1.67	CO
TM17RC-11		46.00	47.00	1.00		-	46.02	47.13	1.11	-	-	CO	*Coal*	3090	1.53	CO
TM17RC-11		47.00	48.00	1.00		-	47.13	48.24	1.11	-	-	CO	*Coal*	3091	1.66	CO
TM17RC-11		48.00	48.50	0.50		-	48.24	48.79	0.55	-	-	CO	*Coal*	3092	1.95	CO
TM17RC-11		48.50	49.00	0.50		-	48.79	49.00	0.21	-	-	XM	*Carbonaceous Mudstone*		2.34	XM
TM17RC-11		49.00	50.00	1.00		-	49.00	50.00	1.00	-	-	ST	*Siltstone*		2.56	ST
TM17RC-11		50.00	54.00	4.00		-	50.00	53.45	3.45	-	-	XM	*Carbonaceous Mudstone*		2.45	XM
TM17RC-11		54.00	55.00	1.00		-	53.45	54.64	1.19	-	-	CO	*Coal*	3093	1.71	CO
TM17RC-11		55.00	56.00	1.00		-	54.64	55.84	1.20	-	-	CO	*Coal*	3094	1.89	CO
TM17RC-11		56.00	57.00	1.00		-	55.84	57.03	1.19	-	-	XM	*Carbonaceous Mudstone*	3095	1.83	CO
TM17RC-11		57.00	63.00	6.00		-	57.03	63.00	5.97	-	-	MS	*Mudstone*		2.57	MS
TM17RC-11		63.00	76.00	13.00		-	63.00	76.00	13.00	-	-	ST	*Siltstone*		2.60	ST
TM17RC-11		76.00	92.80	16.80		-	76.00	92.80	16.80	-	-	SS	*Sandstone*		1.56	SS
				-		-			-	-	-		-			
				-		-			-	-	-		-			
				-		-			-	-	-		-			
				-		-			-	-	-		-			
				-		-			-	-	-		-			
				-		-			-	-	-		-			

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-12	TM	2017	RC	664080	5491788	1783	0	-90	150	David Ross; Ian Fraser	GED 130	2017-07-30	2017-07-31	664080	5491800	1773	0	-90	201.00	3.00	5.60		2017-07-31		200.56	2017-08-08	2556	664076.595	5491796.633	1782.795	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Sample ID	Density (is) from Geophys	Model Lith	Lithology Description
TM17RC-12		0.00	3.00	3.00		-	0.00	3.00	3.00	-	-	OV		3.75	OV	Fill good fizz
TM17RC-12		3.00	7.00	4.00		-	3.00	7.00	4.00	-	-	SS		2.39	SS	Dark grey medium grained SS some rusty surfaces good fizz
TM17RC-12		7.00	90.00	83.00		-	7.00	90.00	83.00	-	-	SS		2.42	SS	Grey medium grained SS, locally minor calcite bits stringers, no interstitial fizz
TM17RC-12		90.00	92.70	2.70		-	90.00	92.89	2.89	-	-	SS		2.44	SS	lighter grey, medium grain, hard SS
TM17RC-12		92.70	93.70	1.00		-	92.89	93.77	0.88	-	-	XM	3265	1.87	XM	black, bit rocky, coaly carbonaceous MS
TM17RC-12		93.70	94.70	1.00		-	93.77	94.77	1.00	-	-	CO	3266	1.51	CO	black slurry / paste, locally rocky
TM17RC-12		94.70	95.70	1.00		-	94.77	95.78	1.01	-	-	CO	3267	1.74	CO	black slurry / paste, locally rocky
TM17RC-12		95.70	96.70	1.00		-	95.78	96.78	1.00	-	-	CO	3268	1.74	CO	black slurry / paste, locally rocky
TM17RC-12		96.70	97.70	1.00		-	96.78	97.79	1.01	-	-	CO	3269	1.63	CO	black slurry / paste, locally rocky
TM17RC-12		97.70	98.70	1.00		-	97.79	98.79	1.00	-	-	CO	3270	1.48	CO	black slurry / paste, locally rocky
TM17RC-12		98.70	99.70	1.00		-	98.79	99.80	1.01	-	-	CO	3271	1.46	CO	black slurry / paste, locally rocky
TM17RC-12		99.70	100.70	1.00		-	99.80	100.80	1.00	-	-	CO	3272	1.44	CO	black slurry / paste, locally rocky
TM17RC-12		100.70	101.70	1.00		-	100.80	101.81	1.01	-	-	CO	3273	1.46	CO	black slurry / paste, locally rocky
TM17RC-12		101.70	102.70	1.00		-	101.81	102.81	1.00	-	-	CO	3274	1.69	CO	black slurry / paste, locally rocky
TM17RC-12		102.70	103.70	1.00		-	102.81	103.70	0.89	-	-	CO	3275	2.23	XM	black slurry / paste, locally rocky
TM17RC-12		103.70	104.70	1.00		-	103.70	104.70	1.00	-	-	CO	3276	2.18	XM	black slurry / paste, locally rocky
TM17RC-12		104.70	105.50	0.80		-	104.70	105.50	0.80	-	-	MS		2.42	MS	mudstone parting
TM17RC-12		105.50	106.00	0.50		-	105.50	106.00	0.50	-	-	XM	3277	2.14	XM	black, rocky with some coal, prtedominantly XM
TM17RC-12		106.00	107.00	1.00		-	106.00	107.00	1.00	-	-	XM	3278	2.07	XM	black, rocky with some CO slurry, predominantly XM
TM17RC-12		107.00	117.00	10.00		-	107.00	117.00	10.00	-	-	ST		2.41	ST	brown - dark brown, very fine grain, weak grit ST, some interstitial carbonate, weak fizz
TM17RC-12		117.00	118.00	1.00		-	117.00	118.00	1.00	-	-	XM	3279	2.50	XM	carbonaceous MS, with minor CO
TM17RC-12		118.00	119.00	1.00		-	118.00	118.77	0.77	-	-	XM		2.37	XM	carbonaceous MS, with minor CO
TM17RC-12		119.00	120.00	1.00		-	118.77	119.72	0.95	-	-	CO	3280	1.49	CO	dull black slurry bit rocky
TM17RC-12		120.00	121.00	1.00		-	119.72	120.67	0.95	-	-	CO	3281	1.39	CO	dull black slurry bit rocky
TM17RC-12		121.00	122.00	1.00		-	120.67	121.61	0.94	-	-	CO	3282	1.43	CO	dull black slurry bit rocky
TM17RC-12		122.00	123.00	1.00		-	121.61	122.56	0.95	-	-	CO	3283	1.50	CO	dull black slurry bit rocky
TM17RC-12		123.00	124.00	1.00		-	122.56	123.51	0.95	-	-	CO	3284	1.49	CO	dull black slurry bit rocky
TM17RC-12		124.00	125.00	1.00		-	123.51	124.46	0.95	-	-	CO	3285	1.53	CO	dull black slurry bit rocky
TM17RC-12		125.00	126.00	1.00		-	124.46	125.40	0.94	-	-	CO	3286	1.46	CO	dull black slurry bit rocky
TM17RC-12		126.00	127.00	1.00		-	125.40	126.35	0.95	-	-	CO	3287	1.56	CO	dull black slurry bit rocky
TM17RC-12		127.00	127.50	0.50		-	126.35	126.87	0.52	-	-	XM	3288	2.02	XM	brown-black, muddy carbonaceous MS, minor CO component
TM17RC-12		127.50	128.50	1.00		-	126.87	127.92	1.05	-	-	XM	EXCL	1.71	CO	brown-black, muddy carbonaceous MS, minor CO component

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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		DRILLER'S DEPTHS					CORRECTED DEPTHS									
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Sample ID	Density (is) from Geophys	Model Lith	Lithology Description
TM17RC-12		128.50	129.30	0.80		-	127.92	128.75	0.83	-	-	CO	3289	2.49	XM	dull black slurry bit rocky
TM17RC-12		129.30	130.30	1.00		-	128.75	129.79	1.04	-	-	XM	3290	2.00	XM	brown-black, muddy carbonaceous MS, minor CO component
TM17RC-12		130.30	131.30	1.00		-	129.79	130.84	1.05	-	-	CO	3291	1.67	CO	dull black paste/slurry, bit rocky CO
TM17RC-12		131.30	132.30	1.00		-	130.84	131.88	1.04	-	-	CO	3292	1.41	CO	dull black paste/slurry, bit rocky CO
TM17RC-12		132.30	133.30	1.00		-	131.88	132.93	1.05	-	-	CO	3293	1.72	CO	dull black paste/slurry, bit rocky CO
TM17RC-12		133.30	134.30	1.00		-	132.93	133.97	1.04	-	-	CO	3294	1.76	CO	dull black paste/slurry, bit rocky CO
TM17RC-12		134.30	135.40	1.10		-	133.97	135.40	1.43	-	-	XM	3295	2.23	XM	brown/black, muddy with some CO stringers
TM17RC-12		135.40	136.40	1.00		-	135.40	136.40	1.00	-	-	XM	3296	2.13	XM	brown/black, muddy with some CO stringers
TM17RC-12		136.40	138.00	1.60		-	136.40	138.00	1.60	-	-	XM		2.36	XM	brown, soft platey frags MS - very weak CO within? No fizz
TM17RC-12		138.00	152.70	14.70		-	138.00	152.23	14.23	-	-	ST		2.42	ST	grey - dark grey, very fine grain, harder grittier ST, no fizz
TM17RC-12		152.70	153.70	1.00		-	152.23	153.49	1.26	-	-	CO	3297	1.49	CO	black, dull, slurry - dirty, bit rocky
TM17RC-12		153.70	154.70	1.00		-	153.49	154.75	1.26	-	-	CO	3298	1.51	CO	black, dull, slurry - dirty, bit rocky
TM17RC-12		154.70	155.70	1.00		-	154.75	156.01	1.26	-	-	CO	3299	1.62	CO	black, dull, slurry - dirty, bit rocky
TM17RC-12		155.70	156.70	1.00		-	156.01	156.70	0.69	-	-	XM	3300	2.50	XM	XM/CO mixture of both 50:50?
TM17RC-12		156.70	157.80	1.10		-	156.70	157.80	1.10	-	-	XM		2.20	XM	brown carbonaceous MS, SOFT
TM17RC-12		157.80	158.30	0.50		-	157.80	158.30	0.50	-	-	XM	3501	1.88	XM	black/brown coaly / rocky carbonaceous MS
TM17RC-12		158.30	160.30	2.00		-	158.30	160.01	1.71	-	-	MS		2.55	MS	brown soft, locally black/coaly MS
TM17RC-12		160.30	160.80	0.50		-	160.01	160.50	0.49	-	-	XM	3502	1.85	CO	brown soft, locally black/coaly MS
TM17RC-12		160.80	161.80	1.00		-	160.50	161.49	0.99	-	-	CO	3503	1.74	CO	black dull slurry, quite rocky CO stringers in XM?
TM17RC-12		161.80	162.80	1.00		-	161.49	162.48	0.99	-	-	CO	3504	1.97	CO	black dull slurry, quite rocky CO stringers in XM?
TM17RC-12		162.80	163.80	1.00		-	162.48	163.46	0.98	-	-	CO	3505	1.53	CO	black dull slurry, quite rocky CO stringers in XM?
TM17RC-12		163.80	164.80	1.00		-	163.46	164.45	0.99	-	-	CO	3506	1.61	CO	black dull slurry, quite rocky CO stringers in XM?
TM17RC-12		164.80	165.40	0.60		-	164.45	165.40	0.95	-	-	MS		2.37	MS	brown/black, soft MS
TM17RC-12		165.40	165.90	0.50		-	165.40	165.90	0.50	-	-	XM	3507	2.38	XM	black-brown, muddy bity coaly carb MS
TM17RC-12		165.90	178.00	12.10		-	165.90	178.00	12.10	-	-	ST		2.48	ST	Very dark grey ST
TM17RC-12		178.00	180.00	2.00		-	178.00	180.00	2.00	-	-	SS		2.57	SS	Grey medium grained SS
TM17RC-12		180.00	185.00	5.00		-	180.00	185.00	5.00	-	-	SS		2.56	SS	Dark grey fine grained SS
TM17RC-12		185.00	198.00	13.00		-	185.00	198.00	13.00	-	-	SS		2.57	SS	Grey medium grained SS
TM17RC-12		198.00	201.00	3.00		-	198.00	201.00	3.00	-	-	SS			SS	Dark grey fine grained SS
				-		-			-	-	-					
				-		-			-	-	-					
				-		-			-	-	-					
				-		-			-	-	-					

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-13	TM	2017	RC	664127	5491623	1776	0	-90	115	Brian Larsen; David Ross	GED 130	2017-08-04	2017-08-04	664135	5491641	1749	0	-90	115.00	2.00	8.70		2017-08-05		115.20	2017-08-08	2557	664136.368	5491634.841	1777.687	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-13		0.00	2.00	2.00		-	0.00	2.00	2.00	-	-	OV	*Overburden, undifferentiated*		4.37	OV	Fill
TM17RC-13		2.00	9.00	7.00		-	2.00	9.89	7.89	-	-	ST	*Siltstone*		2.57	ST	Grey ST, soft, no grit, bit of rust staining
TM17RC-13		9.00	14.30	5.30		-	9.89	14.21	4.32	-	-	XM	*Carbonaceous Mudstone*		1.59	XM	black, granular, coaly
TM17RC-13		14.30	15.30	1.00		-	14.21	15.03	0.82	-	-	CO	*Coal*	3573	1.42	CO	dull, mostly dry, fine powder
TM17RC-13		15.30	16.30	1.00		-	15.03	15.84	0.81	-	-	CO	*Coal*	3574	1.57	CO	dull, mostly dry, fine powder
TM17RC-13		16.30	17.30	1.00		-	15.84	16.66	0.82	-	-	CO	*Coal*	3575	1.28	CO	dull, mostly dry, fine powder
TM17RC-13		17.30	18.30	1.00		-	16.66	17.47	0.81	-	-	CO	*Coal*	3576	1.51	CO	dull, mostly dry, fine powder
TM17RC-13		18.30	19.30	1.00		-	17.47	18.29	0.82	-	-	CO	*Coal*	3577	1.58	CO	dull, mostly dry, fine powder
TM17RC-13		19.30	20.30	1.00		-	18.29	19.89	1.60	-	-	CO	*Coal*	3578	2.15	MS	Some more granular
TM17RC-13		20.30	21.30	1.00		-	19.89	21.49	1.60	-	-	CO	*Coal*	3579	2.08	MS	Some more granular
TM17RC-13		21.30	22.30	1.00		-	21.49	22.48	0.99	-	-	CO	*Coal*	3580	1.71	CO	Some more granular
TM17RC-13		22.30	23.30	1.00		-	22.48	23.47	0.99	-	-	CO	*Coal*	3581	1.48	CO	Some more granular
TM17RC-13		23.30	24.30	1.00		-	23.47	24.47	1.00	-	-	CO	*Coal*	3582	1.85	XM	Some more granular
TM17RC-13		24.30	25.30	1.00		-	24.47	25.46	0.99	-	-	CO	*Coal*	3583	1.46	CO	Some more granular
TM17RC-13		25.30	26.30	1.00		-	25.46	26.45	0.99	-	-	CO	*Coal*	3584	1.42	CO	Some more granular
TM17RC-13		26.30	27.30	1.00		-	26.45	27.49	1.04	-	-	CO	*Coal*	3585	2.07	MS	Some more granular
TM17RC-13		27.30	28.30	1.00		-	27.49	28.38	0.89	-	-	CO	*Coal*	3586	1.61	CO	Some more granular
TM17RC-13		28.30	29.30	1.00		-	28.38	29.28	0.90	-	-	CO	*Coal*	3587	1.59	CO	Some more granular
TM17RC-13		29.30	30.30	1.00		-	29.28	30.17	0.89	-	-	CO	*Coal*	3588	1.70	CO	Some more granular
TM17RC-13		30.30	37.70	7.40		-	30.17	37.47	7.30	-	-	XM	*Carbonaceous Mudstone*		2.21	XM	
TM17RC-13		37.70	38.70	1.00		-	37.47	38.50	1.03	-	-	CO	*Coal*	3589	1.63	CO	Granular and wet, to dry and powdery
TM17RC-13		38.70	39.70	1.00		-	38.50	39.53	1.03	-	-	CO	*Coal*	3590	1.43	CO	Granular and wet, to dry and powdery
TM17RC-13		39.70	40.70	1.00		-	39.53	40.56	1.03	-	-	CO	*Coal*	3591	1.42	CO	Granular and wet, to dry and powdery
TM17RC-13		40.70	41.70	1.00		-	40.56	41.59	1.03	-	-	CO	*Coal*	3592	1.65	CO	Granular and wet, to dry and powdery
TM17RC-13		41.70	42.70	1.00		-	41.59	42.62	1.03	-	-	CO	*Coal*	3593	1.69	CO	Granular and wet, to dry and powdery
TM17RC-13		42.70	43.70	1.00		-	42.62	43.65	1.03	-	-	CO	*Coal*	3594	1.58	CO	Granular and wet, to dry and powdery
TM17RC-13		43.70	44.70	1.00		-	43.65	44.68	1.03	-	-	CO	*Coal*	3595	1.47	CO	Granular and wet, to dry and powdery
TM17RC-13		44.70	45.70	1.00		-	44.68	45.71	1.03	-	-	CO	*Coal*	3596	1.58	CO	Granular and wet, to dry and powdery
TM17RC-13		45.70	47.00	1.30		-	45.71	47.08	1.37	-	-	XM	*Carbonaceous Mudstone*		2.23	MS	
TM17RC-13		47.00	53.00	6.00		-	47.08	53.39	6.31	-	-	MS	*Mudstone*		2.31	MS	soft, no grit, brownish
TM17RC-13		53.00	54.00	1.00		-	53.39	54.35	0.96	-	-	XM	*Carbonaceous Mudstone*		1.64	CO	
TM17RC-13		54.00	55.00	1.00		-	54.35	55.31	0.96	-	-	CO	*Coal*	3597	1.59	CO	
TM17RC-13		55.00	56.00	1.00		-	55.31	56.27	0.96	-	-	CO	*Coal*	3598	1.41	CO	
TM17RC-13		56.00	57.00	1.00		-	56.27	57.23	0.96	-	-	CO	*Coal*	3599	1.59	CO	
TM17RC-13		57.00	58.00	1.00		-	57.23	58.19	0.96	-	-	CO	*Coal*	3600	1.53	CO	
TM17RC-13		58.00	59.00	1.00		-	58.19	59.15	0.96	-	-	CO	*Coal*	3601	1.55	CO	
TM17RC-13		59.00	60.00	1.00		-	59.15	60.11	0.96	-	-	CO	*Coal*	3602	1.46	CO	
TM17RC-13		60.00	61.00	1.00		-	60.11	61.07	0.96	-	-	CO	*Coal*	3603	1.63	CO	
TM17RC-13		61.00	62.00	1.00		-	61.07	62.03	0.96	-	-	CO	*Coal*	3604	1.72	XM	

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-13		62.00	65.00	3.00		-	62.03	64.94	2.91	-	-	XM	*Carbonaceous Mudstone*		2.28	MS	
TM17RC-13		65.00	66.00	1.00		-	64.94	65.91	0.97	-	-	CO	*Coal*	3605	1.95	XM	
TM17RC-13		66.00	67.00	1.00		-	65.91	66.88	0.97	-	-	CO	*Coal*	3606	2.12	XM	
TM17RC-13		67.00	68.00	1.00		-	66.88	67.85	0.97	-	-	CO	*Coal*	3607	1.76	CO	
TM17RC-13		68.00	70.00	2.00		-	67.85	70.00	2.15	-	-	ST	*Siltstone*		2.31	ST	grey ST; harder
TM17RC-13		70.00	72.00	2.00		-	70.00	72.00	2.00	-	-	SS	*Sandstone*		2.41	SS	fractured, large frags, angular, hard, gritty, fine grained.
TM17RC-13		72.00	76.00	4.00		-	72.00	76.00	4.00	-	-	SS	*Sandstone*		2.62	SS	fine grained, gritty, grey, consistent frags., uniform
TM17RC-13		76.00	80.00	4.00		-	76.00	80.00	4.00	-	-	SS	*Sandstone*		2.60	SS	Dark grey very fine grained SS with a silty matrix
TM17RC-13		80.00	86.00	6.00		-	80.00	86.00	6.00	-	-	SS	*Sandstone*		2.57	SS	Grey-Dark grey fine grained SS
TM17RC-13		86.00	88.00	2.00		-	86.00	88.00	2.00	-	-	MS	*Mudstone*		2.55	MS	Dark grey MS soft
TM17RC-13		88.00	92.00	4.00		-	88.00	92.00	4.00	-	-	SS	*Sandstone*		2.52	SS	Dark grey fine-medium grained sandstone
TM17RC-13		92.00	95.00	3.00		-	92.00	95.00	3.00	-	-	ST	*Siltstone*		2.55	ST	Dark grey ST
TM17RC-13		95.00	98.00	3.00		-	95.00	98.00	3.00	-	-	SS	*Sandstone*		2.60	SS	Grey medium grained SS
TM17RC-13		98.00	99.00	1.00		-	98.00	99.00	1.00	-	-	ST	*Siltstone*		2.60	ST	Dark grey ST
TM17RC-13		99.00	105.00	6.00		-	99.00	105.00	6.00	-	-	SS	*Sandstone*		2.59	SS	Dark grey fine grained SS
TM17RC-13		105.00	115.00	10.00		-	105.00	115.00	10.00	-	-	SS	*Sandstone*			SS	Grey medium grained SS

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				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-14	TM	2017	RC	665031	5491647	2004	0	-90	55	Brian Larsen; David Ross	GED 130	2017-08-06	2017-08-07	665038	5491633	1996	0	-90	100.00	3.00	4.90		2017-08-07		100.45	2017-08-08	2554	665038.882	5491631.603	2003.583	

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description	Other Comments
TM17RC-14		0.00	3.00	3.00		-	0.00	3.00	3.00	-	-	OV	*Overburden, undifferentiated*		3.37	OV	Brown SS; Till	
TM17RC-14		3.00	19.00	16.00		-	3.00	19.00	16.00	-	-	SS	*Sandstone*		2.48	SS	Grey medium grain SS mainly came as sand a few cips here and there	
TM17RC-14		19.00	20.00	1.00		-	19.00	20.00	1.00	-	-	MS	*Mudstone*		2.42	MS	Grey MS very soft	
TM17RC-14		20.00	29.00	9.00		-	20.00	29.31	9.31	-	-	SS	*Sandstone*		2.43	SS	Dark grey medium grained SS	
TM17RC-14		29.00	30.00	1.00		-	29.31	30.32	1.01	-	-	CO	*Coal*	3645	1.61	CO	Coal slurry	
TM17RC-14		30.00	31.00	1.00		-	30.32	31.33	1.01	-	-	CO	*Coal*	3646	1.50	CO	Coal slurry	
TM17RC-14		31.00	32.00	1.00		-	31.33	32.33	1.00	-	-	CO	*Coal*	3647	1.45	CO	Coal slurry	
TM17RC-14		32.00	33.00	1.00		-	32.33	33.27	0.94	-	-	XM	*Carbonaceous Mudstone*		1.95	XM	Dark grey XM some shiny surfaces	
TM17RC-14		33.00	35.00	2.00		-	33.27	35.00	1.73	-	-	MS	*Mudstone*		2.46	MS	Dark grey MS	
TM17RC-14		35.00	37.00	2.00		-	35.00	37.00	2.00	-	-	SS	*Sandstone*		2.47	SS	Dark grey fine grained SS	
TM17RC-14		37.00	38.00	1.00		-	37.00	38.00	1.00	-	-	XM	*Carbonaceous Mudstone*		2.50	XM	Dark grey XM shiny surfaces	
TM17RC-14		38.00	49.00	11.00		-	38.00	49.00	11.00	-	-	SS	*Sandstone*		2.51	SS	Grey fine grained SS	
TM17RC-14		49.00	67.00	18.00		-	49.00	67.00	18.00	-	-	SS	*Sandstone*		2.42	SS	Dark grey medium grained SS	
TM17RC-14		67.00	68.00	1.00		-	67.00	68.00	1.00	-	-	CO	*Coal*	No sample	2.36	XM	Very rocky coal but we went through a few soft stringers and it stained my hand	Not coal according to geophysics.
TM17RC-14		68.00	80.00	12.00		-	68.00	80.00	12.00	-	-	SS	*Sandstone*		2.52	SS	Grey sandstone medium grained	
TM17RC-14		80.00	89.00	9.00		-	80.00	89.00	9.00	-	-	SS	*Sandstone*		2.49	SS	Grey fine grained SS	
TM17RC-14		89.00	100.00	11.00		-	89.00	100.00	11.00	-	-	MS	*Mudstone*		2.47	MS	Dark grey MS soft	

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				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-15	TM	2017	RC	665117	5492085	2078	0	-90	80	Brian Larsen; Ian Fraser	GED 130	2017-08-09	2017-08-10	665115	5492068	2075	0	-90	80.00	0.00	3.00		2017-08-10		80.40	2017-09-22	2580	665119.43	5492073.12	2078.67	

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DRILLHOLE LOG - Lithology Data

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		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-15		0.00	22.00	22.00		-	0.00	22.75	22.75	-	-	SS	*Sandstone*		2.57		f gr grey SS, sandy, no chips
TM17RC-15		22.00	23.00	1.00		-	22.75	23.59	0.84	-	-	CO	*Coal*	3667	1.63		slurry/thick, muddy, dull
TM17RC-15		23.00	24.00	1.00		-	23.59	24.42	0.83	-	-	CO	*Coal*	3668	1.63		slurry/thick, muddy, dull
TM17RC-15		24.00	25.00	1.00		-	24.42	25.26	0.84	-	-	CO	*Coal*	3669	1.56		slurry/thick, muddy, dull
TM17RC-15		25.00	26.00	1.00		-	25.26	26.09	0.83	-	-	CO	*Coal*	3670	1.49		slurry/thick, muddy, dull
TM17RC-15		26.00	27.00	1.00		-	26.09	26.93	0.84	-	-	CO	*Coal*	3671	1.54		slurry/thick, muddy, dull
TM17RC-15		27.00	29.00	2.00		-	26.93	27.93	1.00	-	-	XM	*Carbonaceous Mudstone*		2.05		
TM17RC-15		29.00	35.00	6.00		-	27.93	35.00	7.07	-	-	ST	*Siltstone*		2.53		grey/brown, ST, smooth
TM17RC-15		35.00	75.00	40.00		-	35.00	75.00	40.00	-	-	SS	*Sandstone*		2.54		f gr grey ST, sandy, no chips
TM17RC-15		75.00	80.00	5.00		-	75.00	80.00	5.00	-	-	ST	*Siltstone*		2.57		grey/brown, ST, smooth, greasy, clay

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-16	TM	2017	RC	665107	5492005	2070	0	-90	80	Brian Larsen; David Ross	GED 130	2017-08-08	2017-08-08	665112	5491990	2070	0	-90	80.40	0.00	2.80		2017-08-08		80.58	2017-09-22	2585	665108.81	5491996.64	2070.28	

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DRILLHOLE LOG - Lithology Data

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		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-16		0.00	27.00	27.00		-	0.00	28.01	28.01	-	-	SS	*Sandstone*		2.52		f grey SS, uniform, some rust stain in first few meters
TM17RC-16		27.00	28.00	1.00		-	28.01	28.93	0.92	-	-	CO	*Coal*	3658	1.68		slurry/ fine dry powder, dull
TM17RC-16		28.00	29.00	1.00		-	28.93	29.86	0.93	-	-	CO	*Coal*	3659	1.55		slurry/ fine dry powder, dull
TM17RC-16		29.00	30.00	1.00		-	29.86	30.78	0.92	-	-	CO	*Coal*	3660	1.64		slurry/ fine dry powder, dull
TM17RC-16		30.00	31.00	1.00		-	30.78	31.71	0.93	-	-	CO	*Coal*	3661	1.53		slurry/ fine dry powder, dull
TM17RC-16		31.00	32.00	1.00		-	31.71	32.63	0.92	-	-	CO	*Coal*	3662	1.72		slurry/ fine dry powder, dull
TM17RC-16		32.00	38.00	6.00		-	32.63	38.00	5.37	-	-	MS	*Mudstone*		2.46		darker grey MS, soft, bit gritty
TM17RC-16		38.00	41.00	3.00		-	38.00	41.00	3.00	-	-	XM	*Carbonaceous Mudstone*		2.56		carb., coaly, granular, black
TM17RC-16		41.00	43.00	2.00		-	41.00	43.00	2.00	-	-	SS	*Sandstone*		2.50		f grey/brown SS, uniform
TM17RC-16		43.00	44.00	1.00		-	43.00	44.00	1.00	-	-	XM	*Carbonaceous Mudstone*		2.54		
TM17RC-16		44.00	55.00	11.00		-	44.00	55.00	11.00	-	-	MS	*Mudstone*		2.51		grey to black, carb.
TM17RC-16		55.00	80.40	25.40		-	55.00	80.40	25.40	-	-	SS	*Sandstone*		0.27		f. grey SS

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				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-17	TM	2017	RC	663826	5491959	1644	0	-90	145	Ian Fraser; David Ross	GED130	2017-07-28	2017-07-29	663829	5491957	1658	0	-90	145.00	2.00	17.00		2017-07-29		142.60	2017-08-08	2578	663830.649	5491961.411	1645.991	

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description	Other Comments
TM17RC-17		0.00	2.00	2.00		-	0.00	2.00	2.00	-	-	OV	*Overburden, undifferentiated*		3.98	OV		
TM17RC-17		2.00	7.00	5.00		-	2.00	7.00	5.00	-	-	ST	*Siltstone*		2.57	ST	brown, very fine grain, hard ST	
TM17RC-17		7.00	10.00	3.00		-	7.00	10.00	3.00	-	-	SS	*Sandstone*		2.30	SS	brown, medium grain, very gritty, large frags SS	
TM17RC-17		10.00	11.00	1.00		-	10.00	11.00	1.00	-	-	MS	*Mudstone*		2.41	MS	light brown, soft MS	
TM17RC-17		11.00	13.00	2.00		-	11.00	13.00	2.00	-	-	SS	*Sandstone*		2.42	SS	grey very large frags, hard and gritty SS	
TM17RC-17		13.00	13.50	0.50		-	13.00	14.43	1.43	-	-	XM	*Carbonaceous Mudstone*		2.33	XM	black, rocky, partialy coaly carbonaceous MS	
TM17RC-17		13.50	14.50	1.00		-	14.43	15.09	0.66	-	-	XM	*Carbonaceous Mudstone*	3228	1.83	CO	black, coaly, rocky XM with some CO slurry	Note: Low correlation with geophysics
TM17RC-17		14.50	16.00	1.50		-	15.09	16.80	1.71	-	-	MS	*Mudstone*		2.50	MS	brown - black soft MS	
TM17RC-17		16.00	17.00	1.00		-	16.80	17.80	1.00	-	-	ST	*Siltstone*		2.39	ST	hard angular frags some grit fine grain ST	
TM17RC-17		17.00	22.00	5.00		-	17.80	22.00	4.20	-	-	MS	*Mudstone*		2.18	MS	brown, muddy, soft very fine grain MS	
TM17RC-17		22.00	24.70	2.70		-	22.00	24.25	2.25	-	-	XM	*Carbonaceous Mudstone*		2.13	XM	as above XM however, increasingly coaly, brown-black carbonaceous MS	
TM17RC-17		24.70	25.70	1.00		-	24.25	25.27	1.02	-	-	XM	*Carbonaceous Mudstone*	3229	1.53	CO	black, rocky carbonaceous MS with intermixed CO slurry	
TM17RC-17		25.70	26.70	1.00		-	25.27	26.29	1.02	-	-	CO	*Coal*	3230	1.49	CO	consistent black CO slurry	
TM17RC-17		26.70	27.70	1.00		-	26.29	27.31	1.02	-	-	CO	*Coal*	3231	1.58	CO	consistent black CO slurry	
TM17RC-17		27.70	28.70	1.00		-	27.31	28.33	1.02	-	-	CO	*Coal*	3232	1.64	CO	consistent black CO slurry	
TM17RC-17		28.70	29.00	0.30		-	28.33	29.00	0.67	-	-	XM	*Carbonaceous Mudstone*		2.34	XM	black, small soft crbonaceous MS bits in a black/brown in part slurry	
TM17RC-17		29.00	43.00	14.00		-	29.00	43.00	14.00	-	-	MS	*Mudstone*		2.33	MS	brown-dark brown, platey frags, soft MS	
TM17RC-17		43.00	50.00	7.00		-	43.00	50.00	7.00	-	-	ST	*Siltstone*		2.26	ST	brown slight rust colour, little harder, minor grit ST	
TM17RC-17		50.00	54.20	4.20		-	50.00	53.03	3.03	-	-	XM	*Carbonaceous Mudstone*		2.27	XM	soft, brown-black, smooth surfaces, carbonaceous MS - shale?	
TM17RC-17		54.20	55.20	1.00		-	53.03	54.03	1.00	-	-	CO	*Coal*	3233	2.11	XM	moderately rocky, minor XM component, black dull slurry on cyclone table	
TM17RC-17		55.20	56.20	1.00		-	54.03	56.00	1.97	-	-	CO	*Coal*	3234	1.10	CO	moderately rocky, minor XM component, black dull slurry on cyclone table	
TM17RC-17		56.20	57.20	1.00		-	56.00	57.00	1.00	-	-	CO	*Coal*	3235	1.39	CO	moderately rocky, minor XM component, black dull slurry on cyclone table	
TM17RC-17		57.20	58.20	1.00		-	57.00	57.93	0.93	-	-	CO	*Coal*	3236	1.49	CO	moderately rocky, minor XM component, black dull slurry on cyclone table	
TM17RC-17		58.20	58.70	0.50	10.00	2000%	57.93	58.49	0.56	10.00	1786%	CO	*Coal*	3237	2.20	XM	moderately rocky, minor XM component, black dull slurry on cyclone table	
TM17RC-17		58.70	59.00	0.30	10.36	3453%	58.49	58.83	0.34	10.36	3047%	XM	*Carbonaceous Mudstone*	EXCL	2.18	XM	carbonaceous MS parting - did not sample	
TM17RC-17		59.00	60.00	1.00	1.04	104%	58.83	59.73	0.90	1.04	115%	CO	*Coal*	3238	1.48	CO	black dull slurry	
TM17RC-17		60.00	61.00	1.00		-	59.73	60.63	0.90	-	-	CO	*Coal*	3239	1.55	CO	black dull slurry	
TM17RC-17		61.00	62.00	1.00		-	60.63	61.69	1.06	-	-	CO	*Coal*	3240	2.02	CO	black dull slurry	
TM17RC-17		62.00	63.00	1.00		-	61.69	62.73	1.04	-	-	CO	*Coal*	3241	1.46	CO	black dull slurry	
TM17RC-17		63.00	64.00	1.00		-	62.73	63.76	1.03	-	-	CO	*Coal*	3242	1.41	CO	black dull slurry	
TM17RC-17		64.00	65.00	1.00		-	63.76	64.80	1.04	-	-	CO	*Coal*	3243	1.22	CO	black dull slurry	
TM17RC-17		65.00	66.00	1.00		-	64.80	65.83	1.03	-	-	CO	*Coal*	3244	1.51	CO	black dull slurry	
TM17RC-17		66.00	67.00	1.00		-	65.83	66.87	1.04	-	-	CO	*Coal*	3245	1.37	CO	black dull slurry	
TM17RC-17		67.00	68.00	1.00		-	66.87	67.91	1.04	-	-	CO	*Coal*	3246	1.76	CO	black dull slurry	
TM17RC-17		68.00	69.00	1.00		-	67.91	68.94	1.03	-	-	CO	*Coal*	3247	1.62	CO	black dull slurry	
TM17RC-17		69.00	70.00	1.00		-	68.94	69.98	1.04	-	-	CO	*Coal*	3248	1.63	CO	black dull slurry	
TM17RC-17		70.00	71.00	1.00		-	69.98	71.01	1.03	-	-	CO	*Coal*	3249	1.56	CO	black dull slurry	
TM17RC-17		71.00	72.00	1.00		-	71.01	72.05	1.04	-	-	CO	*Coal*	3250	1.59	CO	black dull slurry	
TM17RC-17		72.00	73.00	1.00		-	72.05	73.00	0.95	-	-	CO	*Coal*	3251	1.90	XM	black dull slurry	
TM17RC-17		73.00	77.00	4.00		-	73.00	77.00	4.00	-	-	XM	*Carbonaceous Mudstone*		2.39	XM	black-brown soft, platey, carbonaceous MS	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description	Other Comments
TM17RC-17		77.00	82.00	5.00		-	77.00	82.00	5.00	-	-	SS	*Sandstone*		2.47	SS	very sharp change in colour, light grey, calcite bits prominent, fine grain SS - gritty	
TM17RC-17		82.00	85.00	3.00		-	82.00	85.00	3.00	-	-	MS	*Mudstone*		2.56	MS	grey soft platey frags MS	
TM17RC-17		85.00	89.00	4.00		-	85.00	89.00	4.00	-	-	ST	*Siltstone*		2.57	ST	larger, hard, platey frags, grey very fine grain ST	
TM17RC-17		89.00	94.00	5.00		-	89.00	94.00	5.00	-	-	SS	*Sandstone*		2.48	SS	fine grain, gry SS small frags	
TM17RC-17		94.00	109.00	15.00		-	94.00	109.00	15.00	-	-	SS	*Sandstone*		2.51	SS	fine-medium grain, grey, larger fragments SS	
TM17RC-17		109.00	113.00	4.00		-	109.00	113.00	4.00	-	-	SS	*Sandstone*		2.52	SS	Dark grey very fine grained SS slight fizz	
TM17RC-17		113.00	117.00	4.00		-	113.00	117.00	4.00	-	-	SS	*Sandstone*		2.59	SS	Dark grey fine grained SS slight fizz	
TM17RC-17		117.00	120.00	3.00		-	117.00	120.00	3.00	-	-	SS	*Sandstone*		2.61	SS	Grey medium grained SS slight fizz	
TM17RC-17		120.00	121.00	1.00		-	120.00	121.00	1.00	-	-	SS	*Sandstone*		2.62	SS	Grey very fine grained SS	
TM17RC-17		121.00	130.00	9.00		-	121.00	130.00	9.00	-	-	SS	*Sandstone*		2.54	SS	Grey medium grained SS	
TM17RC-17		130.00	132.00	2.00		-	130.00	132.00	2.00	-	-	SS	*Sandstone*		2.53	SS	Grey fine grained SS	
TM17RC-17		132.00	145.00	13.00		-	132.00	145.00	13.00	-	-	SS	*Sandstone*		-1.14	SS	Grey medium grained SS, heavily fractured 133.5-135.5 & 137-138	

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-18	TM	2017	RC	663815	5492056	1654	90	-70	130	Brian Larsen	GED 130	2017-07-31	2017-08-01	663807	5492071	1657	90	-60	130.00	0.00	11.50		2017-08-02	129.65	129.65	2017-08-08	2575	663812.233	5492064.353	1657.181	No geo onsite during drilling. Coal intersected 69-81m. No samples.

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DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	MODEL_Litho	Lithology Description
TM17RC-18		0.00	10.00	10.00		-	0.00	10.00	10.00	-	-	XM	*Carbonaceous Mudstone*		2.56	XM	coaly, v. fine
TM17RC-18		10.00	48.00	38.00		-	10.00	48.00	38.00	-	-	ST	*Siltstone*		2.35	ST	grey ST, variable frags
TM17RC-18		48.00	50.10	2.10		-	48.00	49.47	1.47	-	-	MS	*Mudstone*		2.27	MS	dk grey MS
TM17RC-18		50.10	51.00	0.90		-	49.47	50.93	1.46	-	-	MS	*Mudstone*		1.58	CO	dk grey MS
TM17RC-18		51.00	51.70	0.70		-	50.93	51.77	0.84	-	-	MS	*Mudstone*		1.77	XM	dk grey MS
TM17RC-18		51.70	52.00	0.30		-	51.77	52.00	0.23	-	-	MS	*Mudstone*		2.24	MS	dk grey MS
TM17RC-18		52.00	66.00	14.00		-	52.00	66.29	14.29	-	-	ST	*Siltstone*		2.51	ST	grey ST, frags consistent, uniform
TM17RC-18		66.00	67.00	1.00		-	66.29	67.31	1.02	-	-	XM	*Carbonaceous Mudstone*	3524	1.69	CO	dk grey, granular, coaly
TM17RC-18		67.00	68.00	1.00		-	67.31	68.33	1.02	-	-	XM	*Carbonaceous Mudstone*	3525	1.50	CO	dk grey, granular, coaly
TM17RC-18		68.00	69.00	1.00		-	68.33	69.35	1.02	-	-	XM	*Carbonaceous Mudstone*	3526	1.53	CO	dk grey, granular, coaly
TM17RC-18		69.00	70.00	1.00		-	69.35	70.37	1.02	-	-	CO	*Coal*	3508	1.48	CO	fine, powdery when dry and broken, dirty
TM17RC-18		70.00	71.00	1.00		-	70.37	71.39	1.02	-	-	CO	*Coal*	3509	1.82	CO	fine, powdery when dry and broken, dirty
TM17RC-18		71.00	72.00	1.00		-	71.39	72.41	1.02	-	-	CO	*Coal*	3510	1.90	CO	fine, powdery when dry and broken, dirty
TM17RC-18		72.00	73.00	1.00		-	72.41	73.43	1.02	-	-	CO	*Coal*	3511	1.62	XM	fine, powdery when dry and broken, dirty
TM17RC-18		73.00	74.00	1.00		-	73.43	74.45	1.02	-	-	CO	*Coal*	3512	1.46	CO	fine, powdery when dry and broken, dirty
TM17RC-18		74.00	75.00	1.00		-	74.45	75.47	1.02	-	-	CO	*Coal*	3513	1.46	CO	fine, powdery when dry and broken, dirty
TM17RC-18		75.00	76.00	1.00		-	75.47	76.49	1.02	-	-	CO	*Coal*	3514	1.45	CO	fine, powdery when dry and broken, dirty
TM17RC-18		76.00	77.00	1.00		-	76.49	77.51	1.02	-	-	CO	*Coal*	3515	1.84	CO	fine, powdery when dry and broken, dirty
TM17RC-18		77.00	78.00	1.00		-	77.51	78.53	1.02	-	-	CO	*Coal*	3516	1.81	XM	fine, powdery when dry and broken, dirty
TM17RC-18		78.00	79.00	1.00		-	78.53	79.55	1.02	-	-	CO	*Coal*	3517	1.88	XM	fine, powdery when dry and broken, dirty
TM17RC-18		79.00	80.00	1.00		-	79.55	80.57	1.02	-	-	CO	*Coal*	3518	1.39	CO	fine, powdery when dry and broken, dirty
TM17RC-18		80.00	81.00	1.00		-	80.57	81.59	1.02	-	-	CO	*Coal*	3519	1.48	CO	fine, powdery when dry and broken, dirty
TM17RC-18		81.00	85.00	4.00		-	81.59	83.77	2.18	-	-	XM	*Carbonaceous Mudstone*	EXCL	1.93	XM	fine, powdery when dry and broken, dirty
TM17RC-18		85.00	86.00	1.00		-	83.77	85.00	1.23	-	-	CO	*Coal*	3520	1.54	CO	fine, powdery when dry and broken, dirty
TM17RC-18		86.00	87.00	1.00		-	85.00	86.24	1.23	-	-	CO	*Coal*	3521	1.71	CO	fine, powdery when dry and broken, dirty
TM17RC-18		87.00	88.00	1.00		-	86.24	87.47	1.23	-	-	CO	*Coal*	3522	1.66	CO	fine, powdery when dry and broken, dirty
TM17RC-18		88.00	89.00	1.00		-	87.47	89.00	1.53	-	-	CO	*Coal*	3523	2.50	MS	fine, powdery when dry and broken, dirty
TM17RC-18		89.00	115.00	26.00		-	89.00	115.00	26.00	-	-	ST	*Siltstone*		2.58	ST	grey ST, frags vary, minor calcite
TM17RC-18		115.00	118.00	3.00		-	115.00	118.00	3.00	-	-	SS	*Sandstone*		2.58	SS	grey fine gr. SS
TM17RC-18		118.00	121.00	3.00		-	118.00	121.00	3.00	-	-	SS	*Sandstone*		2.33	SS	fractured section, large frags to 3cm
TM17RC-18		121.00	130.00	9.00		-	121.00	130.00	9.00	-	-	SS	*Sandstone*			SS	coarser gr., some rust colored frags
				-		-			-	-	-		-				
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				-		-			-	-	-		-				

DRILLHOLE LOG - Collar Data v3.2

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-20	TM	2017	RC	663904	5492475	1654	0	-90	70	Brian Larsen; David Ross	GED 130	2017-07-17	2017-07-17	668897	5492461	1648	0	-90	147.00	3.00	8.50		2017-07-18	139.25	146.47	2017-08-08	2562	663903.051	5492467.634	1655.982	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-20		0.00	3.00	3.00		-	0.00	3.00	3.00	-	-	OV	*Overburden, undifferentiated*		5.94	OV	
TM17RC-20		3.00	4.00	1.00		-	3.00	4.00	1.00	-	-	SH	*Shale*		2.57	SH	carbonaceous shale
TM17RC-20		4.00	5.00	1.00		-	4.00	5.00	1.00	-	-	XM	*Carbonaceous Mudstone*		2.47	XM	carbonaceous mudstone
TM17RC-20		5.00	7.00	2.00		-	5.00	7.00	2.00	-	-	ST	*Siltstone*		2.63	ST	grey ST, large frags
TM17RC-20		7.00	10.00	3.00		-	7.00	10.00	3.00	-	-	ST	*Siltstone*		2.51	ST	grey ST, no large frags
TM17RC-20		10.00	35.00	25.00		-	10.00	35.00	25.00	-	-	MS	*Mudstone*		2.48	MS	carb rich mudstone
TM17RC-20		35.00	37.00	2.00		-	35.00	36.01	1.01	-	-	XM	*Carbonaceous Mudstone*		2.37	XM	hw
TM17RC-20		37.00	38.00	1.00		-	36.01	37.18	1.17	-	-	CO	*Coal*	21898	1.61	CO	muddy, med grained
TM17RC-20		38.00	39.00	1.00		-	37.18	38.35	1.17	-	-	CO	*Coal*	21899	1.76	CO	muddy, increasing granular, dirty
TM17RC-20		39.00	40.00	1.00		-	38.35	40.00	1.65	-	-	MS	*Mudstone*		2.44	MS	fw, carb rich mudstone, soft, laminar frags
TM17RC-20		40.00	60.00	20.00		-	40.00	60.00	20.00	-	-	MS	*Mudstone*		2.58	MS	grey MS, good fizz thru the entire section
TM17RC-20		60.00	65.00	5.00		-	60.00	65.00	5.00	-	-	MS	*Mudstone*		2.53	MS	grey MS
TM17RC-20		65.00	67.00	2.00		-	65.00	65.29	0.29	-	-	MS	*Mudstone*		2.33	MS	dk grey carb mud
TM17RC-20		67.00	68.00	1.00		-	65.29	66.76	1.47	-	-	CO	*Coal*	21900	1.71	CO	muddy, fine grained
TM17RC-20		68.00	69.00	1.00		-	66.76	68.23	1.47	-	-	CO	*Coal*	3051	1.57	CO	as above
TM17RC-20		69.00	70.00	1.00		-	68.23	69.70	1.47	-	-	CO	*Coal*	3052	1.53	CO	as above
TM17RC-20		70.00	71.00	1.00		-	69.70	71.17	1.47	-	-	CO	*Coal*	3053	1.46	CO	as above
TM17RC-20		71.00	72.00	1.00		-	71.17	72.04	0.87	-	-	CO	*Coal*	3054	2.06	CO	increasing granular, possible partition
TM17RC-20		72.00	73.00	1.00		-	72.04	72.90	0.87	-	-	CO	*Coal*	3055	1.79	CO	granular
TM17RC-20		73.00	74.00	1.00		-	72.90	73.77	0.87	-	-	CO	*Coal*	3056	2.22	CO	granular
TM17RC-20		74.00	75.00	1.00		-	73.77	75.13	1.36	-	-	CO	*Coal*	3057	1.73	CO	muddy, fine grained
TM17RC-20		75.00	76.00	1.00		-	75.13	76.48	1.36	-	-	CO	*Coal*	3058	1.57	CO	as above
TM17RC-20		76.00	77.00	1.00		-	76.48	77.84	1.36	-	-	CO	*Coal*	3059	1.67	CO	as above
TM17RC-20		77.00	78.00	1.00		-	77.84	79.19	1.36	-	-	CO	*Coal*	3060	1.61	CO	as above
TM17RC-20		78.00	79.00	1.00		-	79.19	80.19	1.00	-	-	CO	*Coal*	3061	2.52	XM	granular
TM17RC-20		79.00	82.00	3.00		-	80.19	83.19	3.00	-	-	MS	*Mudstone*		2.59	MS	grey MS, coarse frags
TM17RC-20		82.00	101.00	19.00		-	83.19	101.00	17.81	-	-	ST	*Siltstone*		2.60	ST	light grey, fine gr ST, chips, laminar in shape, consistent frags
TM17RC-20		101.00	117.00	16.00		-	101.00	117.00	16.00	-	-	MS	*Mudstone*		2.60	MS	grey MS, minor calcite
TM17RC-20		117.00	120.00	3.00		-	117.00	120.00	3.00	-	-	SS	*Sandstone*		2.55	SS	dark grey fine grained SS
TM17RC-20		120.00	123.00	3.00		-	120.00	123.00	3.00	-	-	ST	*Siltstone*		2.58	ST	dark grey ST
TM17RC-20		123.00	130.00	7.00		-	123.00	130.00	7.00	-	-	SS	*Sandstone*		2.61	SS	dark grey fine grained SS
TM17RC-20		130.00	136.00	6.00		-	130.00	136.00	6.00	-	-	SS	*Sandstone*		2.55	SS	Grey fine grained SS with a few bits of quartz veins no fizz
TM17RC-20		136.00	140.00	4.00		-	136.00	140.00	4.00	-	-	SS	*Sandstone*		2.51	SS	Dark grey medium grained SS
TM17RC-20		140.00	141.00	1.00		-	140.00	141.00	1.00	-	-	MS	*Mudstone*		2.52	MS	Grey MS
TM17RC-20		141.00	147.00	6.00		-	141.00	147.00	6.00	-	-	SS	*Sandstone*		-0.86	SS	Dark grey fine grained SS
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				-		-			-	-	-		-				

DRILLHOLE LOG - Collar Data

																					Planned			Approx			Surveyed					
Hole ID	Project	Year	Type	Geologist(s)	Rig	Target Seam(s)	Date Drilled	Azimuth	Dip	Driller's TD (m)	Bit Size (mm)	Core Size (mm)	Overburden (m)	Driller's Casing (m)	Corepoint (m)	Date Logged	Open Hole Log to TD?	Logger's TD (m)	Logger's Casing (m)	Water Table (m)	Flowing?	E	N	Elev	E	N	Elev	E	N	Elev	Date Surveyed	Survey ID	Comments
VI17RC-21	TM	2017	RC	n; David Ross	GED 130		2017-07-14	270	-60	305	178;140;133		3	9		2017-07-17	Yes	297.45	9	94.65	No	663817	5492476	1667	663811	5492481	1672	663813	5492480	1664.18	2017-08-08	2560	

DRILLHOLE LOG - Lithology Data

Hole ID	Run #	DRILLER'S DEPTHS From(m)	To (m)	Interval (m)	ecovery (m)	ecovery (%)	CORRECTED DEPTHS From(m)	To (m)	nterval (m)	ecovery (m)	ecovery (%)	Lithology Co	Lithology En	Sample ID	Density (is) from Geophys	Model Litho	Acid Test Fizz Y/N	Description
TM17RC-21		0.00	3.00	3.00		0%	0.00	3.00	3.00	-	-	SU	*Sedimentary Rock, undiffer*		-	OV		
TM17RC-21		3.00	4.00	1.00		0%	3.00	4.00	1.00	-	-	SS	*Sandstone*		-	SS		med. Grained grey SS, brown grains in part,brown grains in parts, minor ST throughout
TM17RC-21		4.00	16.00	12.00		0%	4.00	16.00	12.00	-	-	SS	*Sandstone*		-	SS		fine grained grey SS
TM17RC-21		16.00	23.00	7.00		0%	16.00	23.00	7.00	-	-	SS	*Sandstone*		-	SS	Y	fine grained grey SS, dominant rust stain, light fizz
TM17RC-21		23.00	33.00	10.00		0%	23.00	33.00	10.00	-	-	SS	*Sandstone*		-	SS		fine grained grey SS, hard
TM17RC-21		33.00	35.00	2.00		0%	33.00	35.00	2.00	-	-	SS	*Sandstone*		-	SS	Y	fine gr grey SS, some rust, light fizz
TM17RC-21		35.00	47.00	12.00		0%	35.00	47.00	12.00	-	-	SS	*Sandstone*		-	SS		very fine grained, grey sandstone, hard
TM17RC-21		47.00	51.00	4.00		0%	47.00	51.00	4.00	-	-	SS	*Sandstone*		-	SS		very fine grained, grey sandstone, very hard, larger fragments
TM17RC-21		51.00	58.00	7.00		0%	51.00	58.00	7.00	-	-	SS	*Sandstone*		-	SS		very fine grained, grey sandstone, soft, finer chips
TM17RC-21		58.00	59.00	1.00		0%	58.00	59.00	1.00	-	-	SS	*Sandstone*		-	SS		very fine grained, grey sandstone
TM17RC-21		59.00	70.00	11.00		0%	59.00	70.00	11.00	-	-	SS	*Sandstone*		-	SS		very fine grained grey SS
TM17RC-21		70.00	73.00	3.00		0%	70.00	73.00	3.00	-	-	SS	*Sandstone*		-	SS		v fine grained grey SS, few calcite particles, soft and muddy
TM17RC-21		73.00	80.00	7.00		0%	73.00	80.00	7.00	-	-	SS	*Sandstone*		-	SS		Dark grey medium grained SS with a few bits of quartz no fizz smaller chips
TM17RC-21		80.00	84.00	4.00		0%	80.00	84.00	4.00	-	-	SS	*Sandstone*		-	SS		Dark grey fine grained SS
TM17RC-21		84.00	91.00	7.00		0%	84.00	91.00	7.00	-	-	SS	*Sandstone*		-	SS		Dark grey fine grained SS with a few bits of quartz no fizz
TM17RC-21		91.00	97.00	6.00		0%	91.00	97.00	6.00	-	-	SS	*Sandstone*		-	SS		grey fine grained SS
TM17RC-21		97.00	102.00	5.00		0%	97.00	102.00	5.00	-	-	SS	*Sandstone*		-	SS		very dark grey medium grained SS
TM17RC-21		102.00	104.00	2.00		0%	102.00	104.00	2.00	-	-	MS	*Mudstone*		9.00	MS		very dark grey mudstone
TM17RC-21		104.00	106.00	2.00		0%	104.00	106.00	2.00	-	-	SS	*Sandstone*		9.00	SS		Dark grey medium grained Sandstone
TM17RC-21		106.00	107.00	1.00		0%	106.00	107.00	1.00	-	-	MS	*Mudstone*		3.50	MS		Dark grey mudstone
TM17RC-21		107.00	112.00	5.00		0%	107.00	112.00	5.00	-	-	SS	*Sandstone*		2.44	SS		Dark grey fine grained sandstone
TM17RC-21		112.00	113.00	1.00		0%	112.00	113.00	1.00	-	-	MS	*Mudstone*		2.43	MS		Dark grey mudstone little bits of quartz
TM17RC-21		113.00	123.00	10.00		0%	113.00	121.00	8.00	-	-	MS	*Mudstone*		2.35	MS		dk grey MS
TM17RC-21		123.00	135.50	12.50		0%	123.00	135.63	12.63	-	-	MS	*Mudstone*		2.51	MS		dk grey MS, large frags, shale,increasing carb
TM17RC-21		135.50	136.00	0.50		0%	135.63	136.12	0.49	-	-	CO	*Coal*	21876	1.68	CO		muddy w fine grains
TM17RC-21		136.00	137.00	1.00		0%	136.12	137.10	0.98	-	-	CO	*Coal*	21877	1.56	CO		muddy, increasing granular
TM17RC-21		137.00	138.00	1.00		0%	137.10	138.09	0.99	-	-	CO	*Coal*	21878	1.71	CO		dirty coal, granular
TM17RC-21		138.00	139.00	1.00		0%	138.09	139.07	0.98	-	-	CO	*Coal*	21879	1.69	CO		dirty coal, granular
TM17RC-21		139.00	142.00	3.00		0%	139.07	142.00	2.93	-	-	SH	*Shale*		2.47	SH		carb. muddy shale
TM17RC-21		142.00	166.00	24.00		0%	142.00	166.00	24.00	-	-	SH	*Shale*		2.53	SH	Y	soft shale, calcite micro-veins, light fizz,laminar frags
TM17RC-21		166.00	167.00	1.00		0%	166.00	167.00	1.00	-	-	XM	*Carbonaceous Mudstone*		2.44	XM		
TM17RC-21		167.00	173.00	6.00		0%	167.00	173.00	6.00	-	-	SH	*Shale*		2.55	SH		dk grey shale, minor calcite, v. soft, laminar frags up to 1cm
TM17RC-21		173.00	174.00	1.00		0%	173.00	174.25	1.25	-	-	XM	*Carbonaceous Mudstone*		2.52	XM		
TM17RC-21		174.00	175.00	1.00		0%	174.25	175.38	1.13	-	-	CO	*Coal*	21880	1.71	CO		muddy w fine grains
TM17RC-21		175.00	176.00	1.00		0%	175.38	176.52	1.14	-	-	CO	*Coal*	21881	2.09	CO		muddy w fine grains
TM17RC-21		176.00	177.00	1.00		0%	176.52	177.65	1.13	-	-	CO	*Coal*	21882	1.72	CO		muddy w fine grains
TM17RC-21		177.00	178.00	1.00		0%	177.65	178.79	1.14	-	-	CO	*Coal*	21883	2.01	CO		muddy w fine grains
TM17RC-21		178.00	179.00	1.00		0%	178.79	179.92	1.13	-	-	CO	*Coal*	21884	1.63	CO		muddy w fine grains
TM17RC-21		179.00	179.50	0.50		0%	179.92	180.49	0.57	-	-	CO	*Coal*	21885	1.69	CO		muddy w fine grains
TM17RC-21		179.50	182.00	2.50		0%	180.49	182.95	2.46	-	-	XM	*Carbonaceous Mudstone*		2.35	XM		
TM17RC-21		182.00	183.00	1.00		0%	182.95	184.00	1.05	-	-	ST	*Siltstone*		2.53	ST		soft grey ST, frags more angular, minor calcite
TM17RC-21		183.00	188.00	5.00		0%	184.00	188.00	4.00	-	-	SS	*Sandstone*		2.50	SS		fine gr SS, minor calcite, gritty and granular
TM17RC-21		188.00	189.00	1.00		0%	188.00	189.00	1.00	-	-	ST	*Siltstone*		2.60	ST		grey ST, soft, minor calcite
TM17RC-21		189.00	194.00	5.00		0%	189.00	194.00	5.00	-	-	SS	*Sandstone*		2.60	SS		v fine gr SS, hard, larger frags, gritty and granular, minor calcite
TM17RC-21		194.00	203.00	9.00		0%	194.00	203.00	9.00	-	-	ST	*Siltstone*		2.59	ST		soft grey ST, frags less angular and no grit
TM17RC-21		203.00	209.00	6.00		0%	203.00	209.00	6.00	-	-	SS	*Sandstone*		2.56	SS		fine gr SS, hard and gritty

DRILLHOLE LOG - Lithology Data

Hole ID	Run #	DRILLER'S DEPTHS					CORRECTED DEPTHS					Lithology Co	*Lithology En*	Sample ID			Acid Test	Description
		From(m)	**To (m)**	**Interval (m)**	**ecovery (m)**	**ecovery (%)**	**From(m)**	**To (m)**	**nterval (m)**	**ecovery (m)**	**ecovery (%)**				**Density (is) from Geophys**	**Model Litho**	**Fizz Y/N**	
TM17RC-21		209.00	211.00	2.00		0%	209.00	211.00	2.00	-	-	MS	*Mudstone*		2.53	MS		Dark grey MS
TM17RC-21		211.00	214.00	3.00		0%	211.00	214.00	3.00	-	-	SS	*Sandstone*		2.48	SS	N	Dark grey medium grained SS
TM17RC-21		214.00	217.00	3.00		0%	214.00	217.00	3.00	-	-	MS	*Mudstone*		2.58	MS	N	Grey MS
TM17RC-21		217.00	226.00	9.00		0%	217.00	226.00	9.00	-	-	SS	*Sandstone*		2.50	SS	N	Grey fine grained SS
TM17RC-21		226.00	230.00	4.00		0%	226.00	230.00	4.00	-	-	MS	*Mudstone*		2.48	MS	N	Dark grey MS soft
TM17RC-21		230.00	240.00	10.00		0%	230.00	240.00	10.00	-	-	SS	*Sandstone*		2.50	SS	N	Grey medium grained sandstone
TM17RC-21		240.00	243.00	3.00		0%	240.00	243.00	3.00	-	-	SS	*Sandstone*		2.46	SS	N	Dark grey fine grained SS
TM17RC-21		243.00	250.00	7.00		0%	243.00	250.00	7.00	-	-	MS	*Mudstone*		2.48	MS		dk grey MS, consistent chips, increasing carb content
TM17RC-21		250.00	251.00	1.00		0%	250.00	250.85	0.85	-	-	XM	*Carbonaceous Mudstone*		2.36	XM		HW
TM17RC-21		251.00	252.00	1.00		0%	250.85	251.71	0.86	-	-	CO	*Coal*	21886	1.48	CO		muddy, fine grains
TM17RC-21		252.00	253.00	1.00		0%	251.71	252.56	0.85	-	-	CO	*Coal*	21887	1.59	CO		muddy, increasing granular
TM17RC-21		253.00	254.00	1.00		0%	252.56	253.42	0.86	-	-	CO	*Coal*	21890	2.19	XM		very granular
TM17RC-21		254.00	255.00	1.00		0%	253.42	254.27	0.85	-	-	CO	*Coal*	21891	1.98	XM		carb MS, dirty coal
TM17RC-21		255.00	256.00	1.00		0%	254.27	255.13	0.86	-	-	CO	*Coal*	21892	1.99	XM		very granular, carb MS
TM17RC-21		256.00	258.00	2.00		0%	255.13	258.00	2.87	-	-	SH	*Shale*		2.49	SH		dk grey shale, carb., FW
TM17RC-21		258.00	263.00	5.00		0%	258.00	263.71	5.71	-	-	MS	*Mudstone*		2.55	MS		dk grey MS and shale, rich in calcite, chips becoming more angular
TM17RC-21		263.00	264.50	1.50		0%	263.71	264.25	0.54	-	-	XM	*Carbonaceous Mudstone*		1.80	XM		
TM17RC-21		264.50	265.50	1.00		0%	264.25	265.44	1.19	-	-	CO	*Coal*	21893	1.63	CO		coaly, very granular
TM17RC-21		265.50	266.00	0.50		0%	265.44	266.03	0.59	-	-	CO	*Coal*	21894	2.02	XM		coaly, very granular
TM17RC-21		266.00	267.00	1.00		0%	266.03	267.22	1.19	-	-	XM	*Carbonaceo*	EXCL	2.13	XM		
TM17RC-21		267.00	268.00	1.00		0%	267.22	268.40	1.18	-	-	CO	*Coal*	21895	1.90	XM		muddy, very granular, dirty
TM17RC-21		268.00	269.00	1.00		0%	268.40	269.59	1.19	-	-	CO	*Coal*	21896	1.93	XM		very granular, dirty
TM17RC-21		269.00	269.50	0.50		0%	269.59	270.09	0.50	-	-	CO	*Coal*	21897	2.40	XM		very granular, dirty
TM17RC-21		269.50	272.50	3.00		0%	270.09	272.50	2.41	-	-	XM	*Carbonaceous Mudstone*		2.53	XM		
TM17RC-21		272.50	277.00	4.50		0%	272.50	277.00	4.50	-	-	SH	*Shale*		2.49	SH		carb. shale, frags laminar, soft
TM17RC-21		277.00	278.00	1.00		0%	277.00	278.00	1.00	-	-	ST	*Siltstone*		2.53	ST		grey ST, less carb content, frags continuing laminar
TM17RC-21		278.00	305.00	27.00		0%	278.00	305.00	27.00	-	-	SS	*Sandstone*		1.28	SS		fine gr grey SS, frags becoming angular, hard, gritty
													-					
													-					
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													-					
													-					

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-22	TM	2017	RC	663811	5492338	1707	270	-60	275	Brian Larsen; Ian Fraser	GED 130	2017-07-08	2017-07-25	663817	5492340	1678	284	-60	274.00	3.00	9.00		2017-07-25		270.00	2017-08-08	2570	663819.675	5492335.502	1708.554	Hole was originally drilled to 201m and then extented to 274m.

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DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description	Corrention Comments
TM17RC-22		0.00	3.00	3.00		-	0.00	3.00	3.00	-	-	OV	*Overburden, undifferentiated*		3.32	OV	Very obvious coal intersected immediately, fine black powder. Not sampled.	
TM17RC-22		3.00	12.00	9.00		-	3.00	12.00	9.00	-	-	SS	*Sandstone*		2.33	SS	grey, hard, angular - subangular fragments no FIZZ	
TM17RC-22		12.00	17.00	5.00		-	12.00	17.00	5.00	-	-	SS	*Sandstone*		2.51	SS	lighter in colour, brown-tan, smaller fragments, weathered appearance no FIZZ	
TM17RC-22		17.00	19.00	2.00		-	17.00	19.00	2.00	-	-	SS	*Sandstone*		2.46	SS	light brown, fine grained SS. Brown is due to a lot of oxidized iron bits no FIZZ	
TM17RC-22		19.00	29.00	10.00		-	19.00	29.00	10.00	-	-	SS	*Sandstone*		2.34	SS	slightly dark grey medium grained SS with a few rusty bits in it no FIZZ	
TM17RC-22		29.00	33.00	4.00		-	29.00	33.00	4.00	-	-	SS	*Sandstone*		2.49	SS	grey fine grained SS with a few rusty bits in it no FIZZ	
TM17RC-22		33.00	40.00	7.00		-	33.00	40.00	7.00	-	-	SS	*Sandstone*		2.25	SS	slightly darker grey medium grained SS with a few rusty bits in it no FIZZ	
TM17RC-22		40.00	49.00	9.00		-	40.00	49.00	9.00	-	-	SS	*Sandstone*		2.38	SS	grey fine grained SS no FIZZ	
TM17RC-22		49.00	53.30	4.30		-	49.00	53.33	4.33	-	-	ST	*Siltstone*		2.32	ST	grey siltstone no FIZZ	
TM17RC-22		53.30	63.00	9.70		-	53.33	63.31	9.98	-	-	XM	*Carbonaceous Mudstone*		1.68	CO	black XM fresh surfaces are shiny / soft no FIZZ	
TM17RC-22		63.00	65.00	2.00		-	63.31	65.00	1.69	-	-	MS	*Mudstone*		2.41	MS	dark grey MS scratches grey no FIZZ	
TM17RC-22		65.00	74.00	9.00		-	65.00	74.00	9.00	-	-	SS	*Sandstone*		2.25	SS	grey fine grained SS no FIZZ	
TM17RC-22		74.00	80.00	6.00		-	74.00	80.00	6.00	-	-	SS	*Sandstone*		2.29	SS	slightly darker grey medium grained SS no FIZZ	
TM17RC-22		80.00	85.00	5.00		-	80.00	85.00	5.00	-	-	SS	*Sandstone*		2.35	SS	slightly darker grey medium grained SS, yes FIZZ	
TM17RC-22		85.00	92.00	7.00		-	85.00	92.00	7.00	-	-	SS	*Sandstone*		2.40	SS	grey fine grained SS, yes FIZZ	
TM17RC-22		92.00	100.00	8.00		-	92.00	100.00	8.00	-	-	SS	*Sandstone*		2.29	SS	grey fine grained SS, no FIZZ	
TM17RC-22		100.00	104.00	4.00		-	100.00	104.00	4.00	-	-	ST	*Siltstone*		2.40	ST	grey ST with a few grains left	
TM17RC-22		104.00	118.00	14.00		-	104.00	119.55	15.55	-	-	MS	*Mudstone*		2.39	MS	dark grey MS brown streak no FIZZ	
TM17RC-22		118.00	121.00	3.00		-	119.55	122.27	2.72	-	-	XM	*Carbonaceous Mudstone*		1.75	XM	dark grey XM has black shiny streak noFIZZ	
TM17RC-22		121.00	125.00	4.00		-	122.27	125.90	3.63	-	-	XM	*Carbonaceous Mudstone*		1.82	XM	dark grey/black, small to moderate size fragment, angular, some fragments dark grey/black streak CO? coal / mudstone intermixed, no FIZZ	Potential Coal Seam 119.5-121m
TM17RC-22		125.00	126.00	1.00		-	125.90	126.81	0.91	-	-	XM	*Carbonaceous Mudstone*	21766	1.66	XM	dark grey/black, small to moderate size fragment, angular, some fragments dark grey/black streak CO? coal / mudstone intermixed, no FIZZ	
TM17RC-22		126.00	127.00	1.00		-	126.81	127.71	0.90	-	-	CO	*Coal*	21767	1.60	CO	black angular coarse fragments consistent in shape / size, shiny, no FIZZ	
TM17RC-22		127.00	128.00	1.00		-	127.71	128.62	0.91	-	-	CO	*Coal*	21768	1.67	CO	black angular coarse fragments consistent in shape / size, shiny, no FIZZ	
TM17RC-22		128.00	129.00	1.00		-	128.62	129.53	0.91	-	-	CO	*Coal*	21769	1.68	CO	black angular coarse fragments consistent in shape / size, shiny, no FIZZ	
TM17RC-22		129.00	130.00	1.00		-	129.53	130.43	0.90	-	-	CO	*Coal*	21770	1.56	CO	black angular coarse fragments consistent in shape / size, shiny, no FIZZ	
TM17RC-22		130.00	131.00	1.00		-	130.43	131.34	0.91	-	-	CO	*Coal*	21771	1.57	CO	black angular coarse fragments consistent in shape / size, shiny, no FIZZ	
TM17RC-22		131.00	132.00	1.00		-	131.34	132.25	0.91	-	-	CO	*Coal*	21772	1.62	CO	black muddy finer grain fragments, dull colour some shiny bits, noFIZZ	
TM17RC-22		132.00	133.00	1.00		-	132.25	133.15	0.90	-	-	CO	*Coal*	21773	1.52	CO	black muddy finer grain fragments, dull colour some shiny bits, noFIZZ	
TM17RC-22		133.00	134.00	1.00		-	133.15	134.06	0.91	-	-	CO	*Coal*	21774	1.65	CO	black muddy finer grain fragments, dull colour some shiny bits, noFIZZ	
TM17RC-22		134.00	135.00	1.00		-	134.06	134.97	0.91	-	-	CO	*Coal*	21775	1.98	CO	as to entry @ 126-131m coarser fragments dull black - brown, some interbedded XM, no FIZZ	
TM17RC-22		135.00	136.00	1.00		-	134.97	135.87	0.90	-	-	CO	*Coal*	21776	1.82	CO	as to entry @ 126-131m coarser fragments dull black - brown, some interbedded XM, no FIZZ	

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DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description	Corrention Comments
TM17RC-22		136.00	137.00	1.00		-	135.87	136.78	0.91	-	-	CO	*Coal*	21777	1.93	CO	as to entry @ 126-131m coarser fragments dull black - brown, some interbedded XM, no FIZZ	
TM17RC-22		137.00	138.00	1.00		-	136.78	137.69	0.91	-	-	CO	*Coal*	21778	1.68	CO	as to entry @ 126-131m coarser fragments dull black - brown, some interbedded XM, no FIZZ	
TM17RC-22		138.00	139.00	1.00		-	137.69	138.59	0.90	-	-	CO	*Coal*	21779	1.81	CO	as to entry @ 126-131m coarser fragments dull black - brown, some interbedded XM, no FIZZ	
TM17RC-22		139.00	140.00	1.00		-	138.59	139.50	0.91	-	-	CO	*Coal*	21780	1.65	CO	dull black smaller fragments - muddy, no FIZZ	
TM17RC-22		140.00	141.00	1.00		-	139.50	140.41	0.91	-	-	CO	*Coal*	21781	1.59	CO	CO-XM, dull black, brown, coarser fragments angular - subangular, interbedded CO/XM, some fragments brown streak, noFIZZ	
TM17RC-22		141.00	142.00	1.00		-	140.41	141.32	0.91	-	-	CO	*Coal*	21782	1.69	CO	CO-XM, dull black, brown, coarser fragments angular - subangular, interbedded CO/XM, some fragments brown streak, noFIZZ	
TM17RC-22		142.00	143.00	1.00		-	141.32	142.22	0.90	-	-	CO	*Coal*	21783	1.77	CO	CO-XM, dull black, brown, coarser fragments angular - subangular, interbedded CO/XM, some fragments brown streak, noFIZZ	
TM17RC-22		143.00	144.00	1.00		-	142.22	143.13	0.91	-	-	CO	*Coal*	21784	1.70	CO	CO-XM, dull black, brown, coarser fragments angular - subangular, interbedded CO/XM, some fragments brown streak, noFIZZ	
TM17RC-22		144.00	145.00	1.00		-	143.13	144.04	0.91	-	-	CO	*Coal*	21785	1.96	CO	CO-XM, dull black, brown, coarser fragments angular - subangular, interbedded CO/XM, some fragments brown streak, noFIZZ	
TM17RC-22		145.00	147.00	2.00		-	144.04	145.85	1.81	-	-	CO	*Coal*		1.92	CO	CO-XM, dull black, brown, coarser fragments angular - subangular, interbedded CO/XM, some fragments brown streak, noFIZZ	Probably XM
TM17RC-22		147.00	151.00	4.00		-	145.85	151.00	5.15	-	-	SS	*Sandstone*		2.52	SS	very fine grained, grey coarse to moderate size fragment angular gritty no FIZZ	
TM17RC-22		151.00	157.00	6.00		-	151.00	157.00	6.00	-	-	SS	*Sandstone*		2.55	SS	colour change grey - rusty brown bits, smaller fragments more fg? ST?	
TM17RC-22		157.00	159.00	2.00		-	157.00	158.57	1.57	-	-	XM	*Carbonaceous Mudstone*		2.42	XM	brown muddy smaller fragments brown streak no FIZZ	
TM17RC-22		159.00	161.00	2.00		-	158.57	160.77	2.20	-	-	CO	*Coal*	21786	1.71	CO	blck dull small fragments - muddy, with distinctive black colour, however, appears to be possibly intermixed with XM - sample taken at 160.5-161.5m no FIZZ	
TM17RC-22		161.00	162.00	1.00		-	160.77	161.73	0.96	-	-	XM	*Carbonaceous Mudstone*		2.34	XM	brown-black small angular fragments - some Coal? Carbonaceous ST? brown streak but a bit gritty no FIZZ	
TM17RC-22		162.00	163.00	1.00		-	161.73	162.17	0.44	-	-	XM	*Carbonaceous Mudstone*		1.78	XM	brown angular fragments - hard contained with black muddy coal? no FIZZ	
TM17RC-22		163.00	176.00	13.00		-	162.17	176.00	13.83	-	-	MS	*Mudstone*		2.44	MS	brown, soft, smooth surfaces - moderate size fragments no FIZZ	
TM17RC-22		176.00	186.00	10.00		-	176.00	186.00	10.00	-	-	ST	*Siltstone*		2.53	ST	brown-grey, harder, angular slightly larger fragments, gritty, locally less gritty, ST - fg SS intermixed? Coarsening downhole no FIZZ	
TM17RC-22		186.00	201.00	15.00		-	186.00	201.00	15.00	-	-	SS	*Sandstone*		2.54	SS	brown changing to dark grey downhole, hard angular fragments fine grain SS no FIZZ	
TM17RC-22		201.00	210.00	9.00		-	201.00	209.23	8.23	-	-	ST	*Siltstone*		2.51	ST	dk grey ST, a bit gritty, soft	
TM17RC-22		210.00	211.00	1.00		-	209.23	211.13	1.90	-	-	CO	*Coal*	3194	1.69	CO	not described	
TM17RC-22		211.00	218.00	7.00		-	211.13	218.00	6.87	-	-	ST	*Siltstone*		2.51	ST	dk grey ST, a bit gritty, soft, minor calcite	
TM17RC-22		218.00	219.00	1.00		-	218.00	219.00	1.00	-	-	XM	*Carbonaceous Mudstone*		2.45	XM	carb. MS	
TM17RC-22		219.00	235.00	16.00		-	219.00	234.99	15.99	-	-	ST	*Siltstone*		2.56	ST	dk grey ST, a bit gritty, soft, minor calcite	
TM17RC-22		235.00	236.00	1.00		-	234.99	236.06	1.07	-	-	CO	*Coal*	3195	1.68	CO	dull, muddy, granular	
TM17RC-22		236.00	237.00	1.00		-	236.06	237.13	1.07	-	-	CO	*Coal*	3196	1.49	CO	dull, muddy, less granular	

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DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description	Corrention Comments
TM17RC-22		237.00	238.00	1.00		-	237.13	238.20	1.07	-	-	CO	*Coal*	3197	1.43	CO	as above	
TM17RC-22		238.00	239.00	1.00		-	238.20	239.27	1.07	-	-	CO	*Coal*	3198	1.45	CO	as above	
TM17RC-22		239.00	240.00	1.00		-	239.27	240.34	1.07	-	-	XM	*Carbonaceous Mudstone*	EXCL	1.99	XM	carb. MS	
TM17RC-22		240.00	242.00	2.00		-	240.34	242.48	2.14	-	-	ST	*Siltstone*	EXCL	1.76	ST	dk grey ST, harder, comsistent angular frags	
TM17RC-22		242.00	243.00	1.00		-	242.48	243.54	1.06	-	-	XM	*Carbonaceous Mudstone*	3199	1.72	XM	coaly granular mudstone	
TM17RC-22		243.00	244.00	1.00		-	243.54	244.61	1.07	-	-	CO	*Coal*	3200	1.55	CO	muddy, granular	
TM17RC-22		244.00	245.00	1.00		-	244.61	245.68	1.07	-	-	XM	*Carbonaceous Mudstone*	3201	2.04	XM	coaly granular mudstone	
TM17RC-22		245.00	246.00	1.00		-	245.68	246.75	1.07	-	-	CO	*Coal*	3202	1.65	CO	muddy, dull, granular	
TM17RC-22		246.00	247.00	1.00		-	246.75	247.82	1.07	-	-	CO	*Coal*	3203	1.48	CO	as above	
TM17RC-22		247.00	248.00	1.00		-	247.82	248.89	1.07	-	-	CO	*Coal*	3204	1.63	CO	as above	
TM17RC-22		248.00	249.00	1.00		-	248.89	249.96	1.07	-	-	CO	*Coal*	3205	1.71	CO	as above	
TM17RC-22		249.00	250.00	1.00		-	249.96	251.03	1.07	-	-	CO	*Coal*	3206	1.61	CO	as above	
TM17RC-22		250.00	251.00	1.00		-	251.03	252.00	0.97	-	-	XM	*Carbonaceous Mudstone*	3207	2.41	XM	carb. MS, coaly	
TM17RC-22		251.00	259.00	8.00		-	252.00	259.00	7.00	-	-	ST	*Siltstone*		2.51	ST	dk grey ST, consistent angular frags, uniform, a bit gritty	
TM17RC-22		259.00	274.00	15.00		-	259.00	274.00	15.00	-	-	SS	*Sandstone*		-0.80	SS	grey vfg SS, gritty and hard	

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-23	TM	2017	RC	663819	5492188	1710	270	-60	240	Brian Larsen; Ian Fraser	GED 130	2017-07-22	2017-07-24	663817	5492183	1670	289	-60	270.00	5.00	14.00		2017-07-24	0-60	72-267	2017-08-08	2571	663819.557	5492182.180	1708.995	Casing was first set at 8.5m and switched to hammer. Fractured rock and lost circulation resultrd in driller Odexing more casing to 14m. No chip sample results for some intervals between about 12 and 18m.

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description	Other Comments- RLO
TM17RC-23		0.00	5.00	5.00		-	0.00	5.00	5.00	-	-	OV		-	OV	unconsolidated pad material	
TM17RC-23		5.00	11.00	6.00		-	5.00	11.00	6.00	-	-	SS		-	SS	grey SS, gritty, some large frags	
TM17RC-23		11.00	13.00	2.00		-	11.00	13.00	2.00	-	-	NL		-	NL	not sampled	
TM17RC-23		13.00	14.00	1.00		-	13.00	14.00	1.00	-	-	SS		-	SS	grey SS, gritty	
TM17RC-23		14.00	15.30	1.30		-	14.00	15.30	1.30	-	-	NL		-	NL	not sampled	
TM17RC-23		15.30	17.00	1.70		-	15.30	17.00	1.70	-		NL		-	CO		
TM17RC-23		17.00	18.00	1.00		-	17.00	18.00	1.00	-	-	XM		-	XM	carb. MS	
TM17RC-23		18.00	60.50	42.50		-	18.00	60.10	42.10	-	-	SS		-	SS	grey SS, gritty, consistent chips, uniform	
TM17RC-23		60.50	61.50	1.00		-	60.10	61.37	1.27	-	-	CO	3179	-	CO	black and watery, poor recovery	
TM17RC-23		61.50	62.00	0.50		-	61.37	62.00	0.63	-	-	XM	3180	-	XM	black / brown, soft carbonaceous mudstone - drillers sampled	
TM17RC-23		62.00	66.00	4.00		-	62.00	66.00	4.00	-	-	MS		-	MS	brown, soft MS, increasing grain size to 66m - ST?	
TM17RC-23		66.00	114.00	48.00		-	66.00	114.00	48.00	-	-	SS		2.41	SS	fine grain, small frags, grey, grainy / gritty SS locally rusty bits within frags	
TM17RC-23		114.00	116.00	2.00		-	114.00	116.00	2.00	-	-	SS		2.43	SS	as above change in colour, light brown SS	
TM17RC-23		116.00	127.00	11.00		-	116.00	127.00	11.00	-	-	SS		2.44	SS	grey, fine grain, some rusty frags SS, locally very fine grain SS becoming finer grain to 127m	
TM17RC-23		127.00	129.50	2.50		-	127.00	129.63	2.63	-	-	MS		2.38	MS	grey - dark grey, soft platey frags MS no fizz	
TM17RC-23		129.50	130.30	0.80		-	129.63	130.27	0.64	-		MS		1.00	CO		Bad caliper, no significant gamma spike
TM17RC-23		130.30	141.00	10.70		-	130.27	141.00	10.73	-		MS		2.47	MS	grey - dark grey, soft platey frags MS no fizz	
TM17RC-23		141.00	174.00	33.00		-	141.00	175.09	34.09	-	-	ST		2.50	ST	dark grrey, harder, consistent frags, vfg ST, gritty	
TM17RC-23		174.00	175.00	1.00		-	175.09	175.59	0.50	-		CO	3181	2.20	XM	black, muddy rocky	
TM17RC-23		175.00	184.00	9.00		-	175.59	184.00	8.41	-		ST		2.58	ST	as above ST	
TM17RC-23		184.00	185.00	1.00		-	184.00	185.00	1.00	-	-	XM		2.43	XM	carb. MS, v soft and coaly	
TM17RC-23		185.00	194.50	9.50		-	185.00	193.75	8.75	-	-	ST		2.53	ST	dk grey ST, consistent frags, uniform	
TM17RC-23		194.50	195.50	1.00		-	193.75	194.75	1.00	-	-	CO	3182	1.56	CO	muddy and v grainy, dirty	
TM17RC-23		195.50	196.50	1.00		-	194.75	195.51	0.76	-	-	XM	EXCL	1.75	XM	carb. MS	
TM17RC-23		196.50	222.00	25.50		-	195.51	222.69	27.18	-	-	ST		2.57	ST	dk grey ST, consistent frags, uniform, larger chips laminar and shaly	
TM17RC-23		222.00	223.00	1.00		-	222.69	223.82	1.13	-	-	CO	3183	1.73	CO	dull, muddy, granular	
TM17RC-23		223.00	224.00	1.00		-	223.82	224.94	1.12	-	-	CO	3184	1.57	CO	as above	
TM17RC-23		224.00	225.00	1.00		-	224.94	226.07	1.13	-	-	CO	3185	1.63	CO	as above	
TM17RC-23		225.00	226.00	1.00		-	226.07	227.24	1.17	-	-	CO	3186	2.04	XM	carb., v rocky, granular	
TM17RC-23		226.00	227.00	1.00		-	227.24	228.41	1.17	-	-	CO	3187	2.15	XM	carb., v rocky, granular	
TM17RC-23		227.00	228.00	1.00		-	228.41	229.32	0.91	-	-	CO	3188	1.58	XM	dull, muddy, granular	
TM17RC-23		228.00	229.00	1.00		-	229.32	230.23	0.91	-	-	CO	3189	1.90	CO	as above	
TM17RC-23		229.00	230.00	1.00		-	230.23	231.14	0.91	-	-	CO	3190	1.71	CO	as above	
TM17RC-23		230.00	231.00	1.00		-	231.14	232.05	0.91	-	-	CO	3191	1.63	CO	as above	
TM17RC-23		231.00	232.00	1.00		-	232.05	232.96	0.91	-	-	CO	3192	1.51	CO	as above	
TM17RC-23		232.00	233.00	1.00		-	232.96	233.87	0.91	-	-	CO	3193	1.65	CO	as above	
TM17RC-23		233.00	234.00	1.00		-	233.87	235.00	1.13	-	-	XM		2.33	XM	carb. MS	
TM17RC-23		234.00	236.00	2.00		-	235.00	237.00	2.00	-	-	ST		2.55	ST	soft grey ST, smooth	
TM17RC-23		236.00	238.00	2.00		-	237.00	239.00	2.00	-	-	XM		2.59	XM	carb. MS	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description	Other Comments- RLO
TM17RC-23		238.00	270.00	32.00		-	239.00	270.00	31.00	-	-	ST		1.97	ST	soft grey ST, small angular frags wi a greasy mud, frags getting harder w depth, varying carb. Content throughout	
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DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-24	TM	2017	RC	663815	5492056	1654	270	-60	175	Brian Larsen; David Ross	GED 130	2017-08-02	2017-08-03	663799	5492065	1657	270	-60	259.00		14.40		2017-08-03	246.30	246.30	2017-08-08	2576	663805.445	5492062.575	1656.430	Hole spudded and drilled to 43m wo geo. No chip trays used. Planned TD deepened to 270m.

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DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-24		0.00	8.00	8.00		-	0.00	8.00	8.00	-	-	NL	*Not Logged*		-		not sampled
TM17RC-24		8.00	24.00	16.00		-	8.00	24.00	16.00	-	-	MS	*Mudstone*		-		dk grey MS, carbonaceous
TM17RC-24		24.00	31.00	7.00		-	24.00	31.00	7.00	-	-	SS	*Sandstone*		-		v fine gr. SS, some rust stain, gritty, hard
TM17RC-24		31.00	65.00	34.00		-	31.00	65.00	34.00	-	-	MS	*Mudstone*		-		dk grey MS, soft, carbonaceous, muddy
TM17RC-24		65.00	76.00	11.00		-	65.00	76.00	11.00	-	-	SS	*Sandstone*		-		fine gr. SS, gritty, some rust stain, often carbonaceous
TM17RC-24		76.00	146.00	70.00		-	76.00	146.00	70.00	-	-	ST	*Siltstone*		2.55		grey ST, soft, no grit, uniform
TM17RC-24		146.00	152.00	6.00		-	146.00	150.99	4.99	-	-	MS	*Mudstone*		2.45		dk grey MS, carb., uniform
TM17RC-24		152.00	153.00	1.00		-	150.99	153.13	2.14	-	-	XM	*Carbonaceous Mudstone*	3527	1.56		
TM17RC-24		153.00	154.00	1.00		-	153.13	154.28	1.15	-	-	XM	*Carbonaceous Mudstone*	3528	1.84		
TM17RC-24		154.00	155.00	1.00		-	154.28	155.43	1.15	-	-	XM	*Carbonaceous Mudstone*	3529	1.75		
TM17RC-24		155.00	156.00	1.00		-	155.43	156.00	0.57	-	-	XM	*Carbonaceous Mudstone*		2.34		
TM17RC-24		156.00	175.00	19.00		-	156.00	174.57	18.57	-	-	ST	*Siltstone*		2.54		grey ST, some grit
TM17RC-24		175.00	176.00	1.00		-	174.57	175.67	1.10	-	-	CO	*Coal*	3530	1.67		granular, dull
TM17RC-24		176.00	177.00	1.00		-	175.67	176.77	1.10	-	-	CO	*Coal*	3531	1.51		granular, dull
TM17RC-24		177.00	178.00	1.00		-	176.77	177.87	1.10	-	-	CO	*Coal*	3532	1.57		granular, dull
TM17RC-24		178.00	179.00	1.00		-	177.87	178.97	1.10	-	-	CO	*Coal*	3533	1.50		granular, dull
TM17RC-24		179.00	180.00	1.00		-	178.97	180.07	1.10	-	-	CO	*Coal*	3534	1.53		granular, dull
TM17RC-24		180.00	181.00	1.00		-	180.07	181.17	1.10	-	-	CO	*Coal*	3535	1.55		granular, dull
TM17RC-24		181.00	182.00	1.00		-	181.17	182.27	1.10	-	-	CO	*Coal*	3536	1.50		granular, dull
TM17RC-24		182.00	187.00	5.00		-	182.27	185.57	3.30	-	-	XM	*Carbonaceous Mudstone*		2.30		Dark grey XM with carbonaceous material mixed in
TM17RC-24		187.00	188.00	1.00		-	185.57	186.77	1.20	-	-	XM	*Carbonaceous Mudstone*	3537	1.52		Dark grey XM with carbonaceous material mixed in
TM17RC-24		188.00	189.00	1.00		-	186.77	187.97	1.20	-	-	XM	*Carbonaceous Mudstone*	3538	1.66		Dark grey XM with carbonaceous material mixed in
TM17RC-24		189.00	190.00	1.00		-	187.97	190.93	2.96	-	-	XM	*Carbonaceous Mudstone*	3539	2.07		Dark grey XM with carbonaceous material mixed in
TM17RC-24		190.00	191.00	1.00		-	190.93	191.75	0.82	-	-	CO	*Coal*	3540	1.61		dry coal dust
TM17RC-24		191.00	192.00	1.00		-	191.75	192.57	0.82	-	-	CO	*Coal*	3541	1.70		coal slurry
TM17RC-24		192.00	193.00	1.00		-	192.57	193.38	0.81	-	-	CO	*Coal*	3542	1.56		coal slurry
TM17RC-24		193.00	194.00	1.00		-	193.38	194.20	0.82	-	-	XM	*Carbonaceous Mudstone*	3543	1.45		bit more rock still coally
TM17RC-24		194.00	195.00	1.00		-	194.20	195.02	0.82	-	-	XM	*Carbonaceous Mudstone*	3544	1.55		bit more rock still coally
TM17RC-24		195.00	196.00	1.00		-	195.02	195.84	0.82	-	-	CO	*Coal*	3545	1.73		coal slurry
TM17RC-24		196.00	197.00	1.00		-	195.84	196.66	0.82	-	-	CO	*Coal*	3546	1.65		dry coal dust
TM17RC-24		197.00	198.00	1.00		-	196.66	197.48	0.82	-	-	CO	*Coal*	3547	1.62		dry coal dust
TM17RC-24		198.00	199.00	1.00		-	197.48	198.29	0.81	-	-	CO	*Coal*	3548	1.58		dry coal dust
TM17RC-24		199.00	200.00	1.00		-	198.29	199.11	0.82	-	-	CO	*Coal*	3549	1.54		coal slurry
TM17RC-24		200.00	201.00	1.00		-	199.11	199.93	0.82	-	-	CO	*Coal*	3550	1.62		coal slurry

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-24		201.00	202.00	1.00		-	199.93	200.71	0.78	-	-	XM	*Carbonaceous Mudstone*	3551	2.16		bit rockier
TM17RC-24		202.00	203.00	1.00		-	200.71	202.33	1.62	-	-	CO	*Coal*	3552	1.51		dry coal dust
TM17RC-24		203.00	204.00	1.00		-	202.33	203.95	1.62	-	-	CO	*Coal*	3553	1.62		dry coal dust
TM17RC-24		204.00	205.00	1.00		-	203.95	205.57	1.62	-	-	CO	*Coal*	3554	1.81		coal slurry
TM17RC-24		205.00	206.00	1.00		-	205.57	206.37	0.80	-	-	CO	*Coal*	3555	2.02		coal slurry
TM17RC-24		206.00	207.00	1.00		-	206.37	207.17	0.80	-	-	CO	*Coal*	3556	2.04		dry coal dust
TM17RC-24		207.00	208.00	1.00		-	207.17	208.17	1.00	-	-	CO	*Coal*	3557	1.64		dry coal dust
TM17RC-24		208.00	209.00	1.00		-	208.17	209.17	1.00	-	-	XM	*Carbonaceous Mudstone*	3558	1.61		A little more mudstone
TM17RC-24		209.00	210.00	1.00		-	209.17	210.17	1.00	-	-	CO	*Coal*	3559	1.68		coal slurry
TM17RC-24		210.00	211.00	1.00		-	210.17	211.17	1.00	-	-	CO	*Coal*	3560	1.63		coal slurry
TM17RC-24		211.00	212.00	1.00		-	211.17	212.17	1.00	-	-	CO	*Coal*	3561	1.58		coal slurry
TM17RC-24		212.00	213.00	1.00		-	212.17	212.97	0.80	-	-	CO	*Coal*	3562	1.92		coal slurry
TM17RC-24		213.00	214.00	1.00		-	212.97	213.95	0.98	-	-	CO	*Coal*	3563	1.61		coal slurry
TM17RC-24		214.00	215.00	1.00		-	213.95	214.93	0.98	-	-	CO	*Coal*	3564	1.69		coal slurry
TM17RC-24		215.00	216.00	1.00		-	214.93	215.91	0.98	-	-	CO	*Coal*	3565	1.57		coal slurry
TM17RC-24		216.00	217.00	1.00		-	215.91	216.89	0.98	-	-	CO	*Coal*	3566	1.59		coal slurry
TM17RC-24		217.00	218.00	1.00		-	216.89	217.87	0.98	-	-	CO	*Coal*	3567	1.61		coal slurry
TM17RC-24		218.00	219.00	1.00		-	217.87	219.07	1.20	-	-	CO	*Coal*	3568	1.98		coal slurry
TM17RC-24		219.00	220.00	1.00		-	219.07	220.27	1.20	-	-	CO	*Coal*	3569	1.99		coal slurry
TM17RC-24		220.00	221.00	1.00		-	220.27	221.19	0.92	-	-	MS	*Mudstone*	3570	1.63		Dark grey MS not coaly
TM17RC-24		221.00	222.00	1.00		-	221.19	222.11	0.92	-	-	XM	*Carbonaceous Mudstone*	3571	1.60		Rocky coaly bits XM
TM17RC-24		222.00	223.00	1.00		-	222.11	223.03	0.92	-	-	CO	*Coal*	3572	1.67		coal slurry
TM17RC-24		223.00	224.00	1.00		-	223.03	224.00	0.97	-	-	MS	*Mudstone*		2.44		Dark grey soft MS
TM17RC-24		224.00	257.00	33.00		-	224.00	257.00	33.00	-	-	SS	*Sandstone*		0.87		Dark grey very fine grained SS
TM17RC-24		257.00	259.00	2.00		-	257.00	259.00	2.00	-	-	SS	*Sandstone*		-		Grey medium grained SS

DRILLHOLE LOG - Collar Data

																						Planned			Approx			Surveyed					
Hole ID	Project	Year	Type	Geologist(s)	Rig	Target Seam(s)	Date Drilled	Azimuth	Dip	Driller's TD (m)	Bit Size (mm)	Core Size (mm)	Overburden (m)	Driller's Casing (m)	Corepoint (m)	Date Logged	Open Hole Log to TD?	Logger's TD (m)	Logger's Casing (m)	Water Table (m)	Flowing?	E	N	Elev	E	N	Elev	E	N	Elev	Date Surveyed	Survey ID	Comments
TM17RC-25	TM	2017	RC ss; Ian Fraser	GED 130			2017-07-08	90	-60	189	Odex 178, hammer 1		2	14.5		2017-07-09	No	187.64	14.5	53.44	No	663811	5492338	1707	663828	5492343	1727	663829	5492338	1708.74	2017-08-08	2568	

DRILLHOLE LOG - Lithology Data

Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Description
TM17RC-25		0.00	2.00	2.00		0%	0.00	2.00	2.00	-	-	OV	*Overburden, undifferentiate*		-	OV	Not sampled
TM17RC-25		2.00	11.00	9.00		0%	2.00	11.00	9.00	-	-	SS	*Sandstone*		-	SS	Medium grained SS grey
TM17RC-25		11.00	20.00	9.00		0%	11.00	20.00	9.00	-	-	SS	*Sandstone*		-	SS	Slightly darker grey medium grained SS
TM17RC-25		20.00	26.00	6.00		0%	20.00	26.00	6.00	-	-	SS	*Sandstone*		-	SS	Grey fine grained SS
TM17RC-25		26.00	31.00	5.00		0%	26.00	31.00	5.00	-	-	ST	*Siltstone*		-	ST	Grey ST with a few grains in it
TM17RC-25		31.00	38.00	7.00		0%	31.00	38.00	7.00	-	-	MS	*Mudstone*		-	MS	Grey-brown MS soft
TM17RC-25		38.00	40.00	2.00		0%	38.00	40.00	2.00	-	-	SS	*Sandstone*		-	SS	Dark grey SS
TM17RC-25		40.00	51.00	11.00		0%	40.00	51.00	11.00	-	-	SS	*Sandstone*		2.55	SS	dark grey coarse / gritty, coarse angular fragments - very hard
TM17RC-25		51.00	52.00	1.00		0%	51.00	52.00	1.00	-	-	SS	*Sandstone*		2.54	SS	muddy interval, smaller fragments
TM17RC-25		52.00	54.00	2.00		0%	52.00	54.00	2.00	-	-	SS	*Sandstone*		2.54	SS	as to entry @ 40-51m, dark grey hard SS
TM17RC-25		54.00	58.70	4.70		0%	54.00	57.79	3.79	-	-	MS	*Mudstone*		2.49	MS	brown, shiny surfaces, fining downhole, smaller fragments
TM17RC-25		58.70	59.70	1.00	1.00	100%	57.79	58.74	0.95	1.00	105%	CO	*Coal*	21787	1.72	CO	chips not recovered by drill helper - black coal slurry
TM17RC-25		59.70	60.70	1.00	1.00	100%	58.74	59.69	0.95	1.00	105%	CO	*Coal*	21788	1.91	CO	chips not recovered by drill helper - black coal slurry
TM17RC-25		60.70	61.70	1.00	1.00	100%	59.69	60.64	0.95	1.00	105%	CO	*Coal*	21789	1.96	CO	chips not recovered by drill helper - black coal slurry, adjusted the return "plumbing" in an attempt to get more chips back up hole (to RC) - samples collected are small in weight
TM17RC-25		61.70	64.50	2.80	0.00	0%	60.64	63.29	2.65	0.00	0%	XM	*Carbonaceo*	EXCL	1.84	XM	very fine black, very coaly, some confusion with driller wrt to depth and the poor returns. This interval was not sampled - in hindsight should have been
TM17RC-25		64.50	65.50	1.00	1.00	100%	63.29	64.24	0.95	1.00	105%	CO	*Coal*	21790	1.80	CO	black, dull, fine chips predominant, some coarser / larger bits
TM17RC-25		65.50	66.50	1.00	1.00	100%	64.24	65.19	0.95	1.00	105%	CO	*Coal*	21791	1.88	CO	interbedded / mixed CO/XM
TM17RC-25		66.50	67.50	1.00	1.00	100%	65.19	67.50	2.31	1.00	43%	XM	*Carbonaceo*	21792	2.59	XM	brown, small - moderate size fragments, some coal chips within interval
TM17RC-25		67.50	69.00	1.50		0%	67.50	69.00	1.50	-	-	MS	*Mudstone*		2.62	MS	brown, platey fragments, soft
TM17RC-25		69.00	84.00	15.00		0%	69.00	84.00	15.00	-	-	ST	*Siltstone*		2.59	ST	grey dark grey, harder, fine grittiness, moderate size angular fragments
TM17RC-25		84.00	92.00	8.00		0%	84.00	92.00	8.00	-	-	MS	*Mudstone*		2.52	MS	grey - brown softer shiny surfaces, platey, vewry weak FIZZ, not gritty
TM17RC-25		92.00	114.00	22.00		0%	92.00	109.73	17.73	-	-	ST	*Siltstone*		2.48	ST	brown, hard small - moderate fragments, fine grittiness
TM17RC-25		114.00	122.00	8.00		0%	109.73	117.73	8.00	-	-	SS	*Sandstone*		2.63	SS	brown, fine grain noticeably gritty
TM17RC-25		122.00	128.00	6.00		0%	117.73	123.73	6.00	-	-	MS	*Mudstone*		2.61	MS	dark brown, small angular fragments, less to not gritty
TM17RC-25		128.00	129.00	1.00		0%	123.73	124.73	1.00	-	-	SS	*Sandstone*	EXCL	2.47	CO	very fine grain, gritty angular fragments
TM17RC-25		129.00	130.00	1.00		0%	124.73	126.40	1.67	-	-	CO	*Coal*	21794	1.71	CO	dull black paste, with small fragments some contained XM
TM17RC-25		130.00	131.00	1.00		0%	126.40	128.07	1.67	-	-	CO	*Coal*	21795	1.56	CO	dull black paste - mud with some shiny bits
TM17RC-25		131.00	132.00	1.00		0%	128.07	129.73	1.66	-	-	CO	*Coal*	21796	1.72	CO	as above
TM17RC-25		132.00	133.00	1.00		0%	129.73	131.40	1.67	-	-	CO	*Coal*	21797	1.59	CO	very fine, brighter coal paste
TM17RC-25		133.00	134.00	1.00		0%	131.40	133.07	1.67	-	-	CO	*Coal*	21798	1.75	CO	CO / XM interval started in coal ended in XM, did not separate the two units
TM17RC-25		134.00	135.00	1.00		0%	133.07	135.00	1.93	-	-	XM	*Carbonaceous Mudstone*		2.49	XM	brown very small fragments, platey not gritty
TM17RC-25		135.00	139.00	4.00		0%	135.00	139.00	4.00	-	-	ST	Siltstone		2.48	ST	dark grey-grey, small to moderate size fragments, fine grit!, harder than above unit
TM17RC-25		139.00	189.00	50.00		0%	139.00	189.00	50.00	-	-	SS	Sandstone		1.84	SS	dark grey, noticeably larger subangular fragments, very gritty, massive, harder than above ST unit; TD @ 5:15am July 9, 2017

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-26	TM	2017	RC	663826	5491959	1644	90	-60	135	David Ross; Ian Fraser	GED 130	2017-07-27	2017-07-28	663828	5491960	1653	90	-60	154.00	3.00	7.65		2017-07-28		153.74	2017-08-08	2577	663831.822	5491961.308	1646.006	

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DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description	Other Comments
TM17RC-26		0.00	3.00	3.00		-	0.00	3.00	3.00	-	-	OV	*Overburden, undifferentiated*		3.72	OV	Fill	
TM17RC-26		3.00	7.00	4.00		-	3.00	7.00	4.00	-	-	SS	*Sandstone*		2.50	SS	Grey fine grained SS	
TM17RC-26		7.00	11.00	4.00		-	7.00	11.00	4.00	-	-	SS	*Sandstone*		2.01	SS	Grey medium grained SS	
TM17RC-26		11.00	17.80	6.80		-	11.00	17.99	6.99	-	-	MS	*Mudstone*		2.08	MS	Dark grey MS, mild fizz, soft	
TM17RC-26		17.80	20.30	2.50		-	17.99	20.23	2.24	-	-	MS	*Mudstone*		1.56	CO		Picked from geophysics, not sampled
TM17RC-26		20.30	32.00	11.70		-	20.23	32.00	11.77	-	-	ST	*Siltstone*		2.30	ST	Dark grey ST good fizz	
TM17RC-26		32.00	34.00	2.00		-	32.00	34.00	2.00	-	-	MS	*Mudstone*		2.47	MS	Black MS good fizz	
TM17RC-26		34.00	36.00	2.00		-	34.00	34.99	0.99	-	-	XM	*Carbonaceous Mudstone*		2.23	XM	Black XM starting to look coaly	
TM17RC-26		36.00	37.00	1.00		-	34.99	36.15	1.16	-	-	CO	*Coal*	3208	1.66	CO	Coal slurry	
TM17RC-26		37.00	38.00	1.00		-	36.15	37.32	1.17	-	-	CO	*Coal*	3209	1.48	CO	Coal slurry	
TM17RC-26		38.00	39.00	1.00		-	37.32	38.48	1.16	-	-	CO	*Coal*	3210	1.58	CO	Coal a bit rocky	
TM17RC-26		39.00	40.00	1.00		-	38.48	39.64	1.16	-	-	CO	*Coal*	3211	1.59	CO	Coal, rocky with shiny coal bits	
TM17RC-26		40.00	41.00	1.00		-	39.64	40.80	1.16	-	-	CO	*Coal*	3212	1.41	CO	Coal, rocky with shiny coal bits	
TM17RC-26		41.00	42.00	1.00		-	40.80	41.97	1.17	-	-	CO	*Coal*	3213	1.40	CO	Coal, rocky with shiny coal bits	
TM17RC-26		42.00	43.00	1.00		-	41.97	43.13	1.16	-	-	CO	*Coal*	3214	1.50	CO	Some interbedded XM within CO	
TM17RC-26		43.00	44.00	1.00		-	43.13	43.99	0.86	-	-	CO	*Coal*	3215	2.21	XM	Some interbedded XM within CO	
TM17RC-26		44.00	45.00	1.00		-	43.99	45.06	1.07	-	-	CO	*Coal*	3216	1.59	CO	Some interbedded XM within CO	
TM17RC-26		45.00	46.00	1.00		-	45.06	46.13	1.07	-	-	CO	*Coal*	3217	1.76	CO	Some interbedded XM within CO	
TM17RC-26		46.00	47.00	1.00		-	46.13	47.19	1.06	-	-	CO	*Coal*	3218	1.60	CO	Some interbedded XM within CO	
TM17RC-26		47.00	48.00	1.00		-	47.19	48.26	1.07	-	-	CO	*Coal*	3219	1.80	CO	Coal with interbedded XM and rocky coal bits	
TM17RC-26		48.00	49.00	1.00		-	48.26	49.33	1.07	-	-	CO	*Coal*	3220	1.65	CO	Coal with interbedded XM and rocky coal bits	
TM17RC-26		49.00	50.00	1.00		-	49.33	50.09	0.76	-	-	CO	*Coal*	3221	2.17	XM	Coal with interbedded XM and rocky coal bits	
TM17RC-26		50.00	51.00	1.00		-	50.09	51.23	1.14	-	-	CO	*Coal*	3222	1.48	CO	Coal with interbedded XM and rocky coal bits	
TM17RC-26		51.00	52.00	1.00		-	51.23	52.37	1.14	-	-	CO	*Coal*	3223	1.79	CO	Coal slurry a bit rocky	
TM17RC-26		52.00	53.00	1.00		-	52.37	53.51	1.14	-	-	CO	*Coal*	3224	1.63	CO	Coal slurry a bit rocky	
TM17RC-26		53.00	53.50	0.50		-	53.51	54.01	0.50	-	-	XM	*Carbonaceous Mudstone*	3225	2.40	XM	Platey frags, soft, brown XM - no fizz	
TM17RC-26		53.50	57.00	3.50		-	54.01	57.00	2.99	-	-	MS	*Mudstone*		2.52	MS	Very fine grain, grey-brown, very soft shint surfaces	
TM17RC-26		57.00	58.00	1.00		-	57.00	58.00	1.00	-	-	ST	*Siltstone*		2.58	ST	Small frags, very fine grain, grey harder ST	
TM17RC-26		58.00	65.00	7.00		-	58.00	65.00	7.00	-	-	SS	*Sandstone*		2.57	SS	Fine grain, possibly ST, grey, weak grittiness SS	
TM17RC-26		65.00	72.00	7.00		-	65.00	72.00	7.00	-	-	SS	*Sandstone*		2.57	SS	Fine-medium grain, gritty, larger coarse frags SS	
TM17RC-26		72.00	77.00	5.00		-	72.00	77.00	5.00	-	-	ST	*Siltstone*		2.62	ST	Very fine grained, still hard, less gritty grey ST	
TM17RC-26		77.00	97.00	20.00		-	77.00	97.00	20.00	-	-	SS	*Sandstone*		2.58	SS	Medium grain, very gritty/grainy hard grey SS	
TM17RC-26		97.00	100.00	3.00		-	97.00	100.00	3.00	-	-	MS	*Mudstone*		2.58	MS	Softer, dark brown, very fine grain, platey frags MS	
TM17RC-26		100.00	107.00	7.00		-	100.00	107.00	7.00	-	-	SS	*Sandstone*		2.60	SS	Medium grain, very grainy / gritty, grey, locally some rust colour SS	
TM17RC-26		107.00	109.00	2.00		-	107.00	109.00	2.00	-	-	ST	*Siltstone*		2.53	ST	Very hard, very fine grain, angular frags, dark brown ST	
TM17RC-26		109.00	115.00	6.00		-	109.00	115.00	6.00	-	-	SS	*Sandstone*		2.55	SS	Medium grain, grey, gritty, hard SS	
TM17RC-26		115.00	130.00	15.00		-	115.00	130.00	15.00	-	-	ST	*Siltstone*		2.54	ST	Very fine grain, hard platey - larger frags, dark grey ST	
TM17RC-26		130.00	133.60	3.60		-	130.00	133.60	3.60	-	-	MS	*Mudstone*		2.51	MS	Dark brown, very fine grain, platey and soft MS, coal stringer intersected at 134.7m - water went black,	
TM17RC-26		133.60	134.60	1.00		-	133.60	134.60	1.00			MS			1.74	CO		Coal picked from geophysics, not sampled
TM17RC-26		134.60	138.00	3.40		-	134.60	138.00	3.40			MS			2.50	MS	Dark brown, very fine grain, platey and soft MS, coal stringer intersected at 134.7m - water went black,	
TM17RC-26		138.00	140.20	2.20		-	138.00	140.13	2.13	-	-	ST	*Siltstone*		2.47	ST	lighter brown, harder ST	
TM17RC-26		140.20	140.80	0.60		-	140.13	140.82	0.69	-	-	CO	*Coal*	3226	1.88	XM	coal slurry	
TM17RC-26		140.80	141.80	1.00		-	140.82	141.97	1.15	-	-	XM	*Carbonaceous Mudstone*	3227	1.74	CO	Black XM small chips	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description	Other Comments
TM17RC-26		141.80	143.00	1.20		-	141.97	143.00	1.03	-	-	XM	*Carbonaceous Mudstone*		2.06	XM	Black XM small chips	
TM17RC-26		143.00	146.00	3.00		-	143.00	146.00	3.00	-	-	MS	*Mudstone*		2.43	MS	Grey MS soft	
TM17RC-26		146.00	150.00	4.00		-	146.00	150.00	4.00	-	-	ST	*Siltstone*		2.56	ST	Grey ST larger chips	
TM17RC-26		150.00	154.00	4.00		-	150.00	154.00	4.00	-	-	MS	*Mudstone*			MS	Grey MS softer	

DRILLHOLE LOG - Collar Data

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				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-28	TM	2017	RC	665089	5491874	2058	0	-90	85	Brian Larsen; David Ross	GED 130	2017-08-07	2017-08-07	665095	5491884	2070	0	-90	85.00	4.00	6.30		2017-08-07		85.00	2017-08-08	2552	665097.4039	5491884.892	2059.57795	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

		DRILLER'S DEPTHS					CORRECTED DEPTHS										
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-28		0.00	4.00	4.00		-	0.00	4.00	4.00	-	-	OV	*Overburden, undifferentiated*		3.34	OV	unconsolidated, large frags, till
TM17RC-28		4.00	25.00	21.00		-	4.00	25.00	21.00	-	-	SS	*Sandstone*		2.43	SS	f gr SS, uniform, some rust stain
TM17RC-28		25.00	26.00	1.00		-	25.00	26.00	1.00	-	-	SS	*Sandstone*		2.28	SS	f gr darker grey SS
TM17RC-28		26.00	27.00	1.00		-	26.00	27.41	1.41	-	-	XM	*Carbonaceous Mudstone*		2.31	MS	
TM17RC-28		27.00	28.00	1.00		-	27.41	28.29	0.88	-	-	CO	*Coal*	3648	1.55	CO	slurry/fine dry powder/thick mud
TM17RC-28		28.00	29.00	1.00		-	28.29	29.16	0.87	-	-	CO	*Coal*	3649	1.53	CO	slurry/fine dry powder/thick mud
TM17RC-28		29.00	30.00	1.00		-	29.16	30.04	0.88	-	-	CO	*Coal*	3650	1.45	CO	slurry/fine dry powder/thick mud
TM17RC-28		30.00	31.00	1.00		-	30.04	30.91	0.87	-	-	CO	*Coal*	3651	1.40	CO	slurry/fine dry powder/thick mud
TM17RC-28		31.00	32.00	1.00		-	30.91	31.79	0.88	-	-	CO	*Coal*	3652	1.60	CO	slurry/fine dry powder/thick mud
TM17RC-28		32.00	37.00	5.00		-	31.79	37.00	5.21	-	-	ST	*Siltstone*		2.37	ST	f gr grey ST, soft, no grit
TM17RC-28		37.00	85.00	48.00		-	37.00	85.00	48.00	-	-	SS	*Sandstone*		1.70	SS	f gr grey SS, gritty

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-29	TM	2017	RC	665089	5491874	2058	90	-60	80	David Ross; Brian Larsen	GED 130	2017-08-07	2017-08-08	665101	5491881	2059	90	-60	80.00	1.00	4.40		2017-08-08		80.50	2017-08-08	2553	665098.513	5491884.841	2059.566	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-29		0.00	1.00	1.00		-	0.00	1.00	1.00	-	-	OV	*Overburden, undifferentiated*		5.51	OV	Fill
TM17RC-29		1.00	24.50	23.50		-	1.00	24.27	23.27	-	-	SS	*Sandstone*		2.45	SS	grey med gr SS w rust stain
TM17RC-29		24.50	25.00	0.50		-	24.27	24.74	0.47	-	-	CO	*Coal*	3653	1.68	CO	slurry
TM17RC-29		25.00	26.00	1.00		-	24.74	25.67	0.93	-	-	CO	*Coal*	3654	1.63	CO	slurry
TM17RC-29		26.00	27.00	1.00		-	25.67	26.60	0.93	-	-	CO	*Coal*	3655	1.53	CO	slurry
TM17RC-29		27.00	28.00	1.00		-	26.60	27.53	0.93	-	-	CO	*Coal*	3656	1.49	CO	slurry
TM17RC-29		28.00	28.50	0.50		-	27.53	27.99	0.46	-	-	CO	*Coal*	3657	1.96	XM	slurry
TM17RC-29		28.50	30.00	1.50		-	27.99	30.00	2.01	-	-	XM	*Carbonaceous Mudstone*		2.37	MS	v dk grey, some shiny surfaces, soft
TM17RC-29		30.00	72.00	42.00		-	30.00	72.00	42.00	-	-	SS	*Sandstone*		2.47	SS	f gr grey SS
TM17RC-29		72.00	80.00	8.00		-	72.00	80.00	8.00	-	-	MS	*Mudstone*		2.35	MS	dk grey MS, soft

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-30	TM	2017	RC	665107	5492005	2070	90	-60	80	David Ross; Ian Fraser; Brian Larsen	GED 130	2017-08-08	2017-08-09	665110	5491994	2067			150.00	3.00	4.60		2017-08-09		150.69	2017-09-22	2586	665109.86	5491996.52	2070.40	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-30		0.00	3.00	3.00		-	0.00	3.00	3.00	-	-	OV	*Overburden, undifferentiated*		3.74		Heavily fractured/Fill
TM17RC-30		3.00	23.00	20.00		-	3.00	23.03	20.03	-	-	SS	*Sandstone*		2.47		Grey medium grained SS
TM17RC-30		23.00	24.00	1.00		-	23.03	24.04	1.01	-	-	CO	*Coal*	3663	1.71		Coal Slurry
TM17RC-30		24.00	25.00	1.00		-	24.04	25.05	1.01	-	-	CO	*Coal*	3664	1.71		Coal Slurry
TM17RC-30		25.00	26.00	1.00		-	25.05	26.06	1.01	-	-	CO	*Coal*	3665	1.67		Coal Slurry
TM17RC-30		26.00	27.00	1.00		-	26.06	27.07	1.01	-	-	CO	*Coal*	3666	1.51		Coal Slurry
TM17RC-30		27.00	28.00	1.00		-	27.07	27.93	0.86	-	-	XM	*Carbonaceous Mudstone*		2.08		Dark grey XM some shiny surfaces
TM17RC-30		28.00	29.00	1.00		-	27.93	29.00	1.07	-	-	MS	*Mudstone*		2.41		Dark grey MS soft
TM17RC-30		29.00	35.00	6.00		-	29.00	35.00	6.00	-	-	SS	*Sandstone*		2.54		Grey fine grained SS
TM17RC-30		35.00	40.00	5.00		-	35.00	40.00	5.00	-	-	SS	*Sandstone*		2.52		Grey medium grained SS
TM17RC-30		40.00	68.00	28.00		-	40.00	68.00	28.00	-	-	SS	*Sandstone*		2.52		Grey fine grained SS
TM17RC-30		68.00	72.00	4.00		-	68.00	72.00	4.00	-	-	MS	*Mudstone*		2.56		Dark grey, shiny / smooth surfaces MS
TM17RC-30		72.00	74.00	2.00		-	72.00	74.00	2.00	-	-	SS	*Sandstone*		2.56		Grey, fine - medium grain SS
TM17RC-30		74.00	79.00	5.00		-	74.00	79.00	5.00	-	-	MS	*Mudstone*		2.65		Dark grey, shiny / smooth surfaces MS
TM17RC-30		79.00	104.00	25.00		-	79.00	104.00	25.00	-	-	SS	*Sandstone*		2.58		Grey, grainy, fine grain SS, locally no chips, return ground to sand. Black - coal stringer noted at aaprox 110m
TM17RC-30		104.00	105.00	1.00		-	104.00	105.00	1.00	-	-	ST	*Siltstone*		2.71		Grey, not gritty, sample has some discernible chips ST
TM17RC-30		105.00	110.00	5.00		-	105.00	110.00	5.00	-	-	SS	*Sandstone*		2.50		Grey, fine grain, pulverized SS
TM17RC-30		110.00	112.00	2.00		-	110.00	112.00	2.00	-	-	ST	*Siltstone*		2.58		Grey, angular frags, very fine grain ST
TM17RC-30		112.00	118.00	6.00		-	112.00	118.00	6.00	-	-	SS	*Sandstone*		2.62		Grey, fine grain, pulverized SS
TM17RC-30		118.00	119.00	1.00		-	118.00	119.00	1.00	-	-	MS	*Mudstone*		2.69		Grey, very soft, shiny surfaces MS
TM17RC-30		119.00	125.00	6.00		-	119.00	125.00	6.00	-	-	SS	*Sandstone*		2.48		Grey, fine grain, pulverized SS
TM17RC-30		125.00	126.00	1.00		-	125.00	126.00	1.00	-	-	MS	*Mudstone*		2.53		Angular, grey, very soft frags MS
TM17RC-30		126.00	136.00	10.00		-	126.00	136.00	10.00	-	-	SS	*Sandstone*		2.57		Grey - dark grey, darker downhole, fine grain gritty SS
TM17RC-30		136.00	150.00	14.00		-	136.00	150.00	14.00	-	-	SS	*Sandstone*		2.48		Very dark grey, fine grain gritty SS
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DRILLHOLE LOG - Collar Data v3.2

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-31	TM	2017	RC	664120	5492048	1734	90	-60	95	Brian Larsen; Ian Fraser	GED 130	2017-07-20	2017-07-21	664117	5492063	1741	90	-60	73.90	3.00	11.50		2017-07-21		72.00	2017-08-08	2564	664123.167	5492064.453	1727.588	

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DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description	Other Comments
TM17RC-31		0.00	3.00	3.00		-	0.00	3.00	3.00	-	-	OV	*Overburden, undifferentiated*			OV		
TM17RC-31		3.00	7.00	4.00		-	3.00	7.00	4.00	-	-	SS	*Sandstone*		2.30	SS	dirty SS, gritty, bit of rust color	
TM17RC-31		7.00	11.50	4.50		-	7.00	10.13	3.13	-	-	MS	*Mudstone*		2.37	MS	dk MS, increasing carb.	
TM17RC-31		11.50	12.50	1.00		-	10.13	11.65	1.52	-	-	CO	*Coal*	3096	1.68	CO	granular, rocky	
TM17RC-31		12.50	13.00	0.50		-	11.65	12.27	0.62	-	-	XM	*Carbonaceous Mudstone*		1.90	XM		
TM17RC-31		13.00	20.00	7.00		-	12.27	20.00	7.73	-	-	ST	*Siltstone*		2.49	ST	*grey ST, brown muddy conten*	
TM17RC-31		20.00	23.00	3.00		-	20.00	23.00	3.00	-	-	MS	*Mudstone*		2.43	MS	dk MS	
TM17RC-31		23.00	28.00	5.00		-	23.00	28.71	5.71	-	-	ST	*Siltstone*		2.46	ST	brownish, slightly gritty	
TM17RC-31		28.00	33.00	5.00		-	28.71	32.27	3.56	-	-	XM	*Carbonaceous Mudstone*		1.63	CO	coaly black MS, carb., dirty	Coal on geophysics
TM17RC-31		33.00	35.00	2.00		-	32.27	35.00	2.73	-	-	ST	*Siltstone*		2.45	ST	brownish, slightly gritty	
TM17RC-31		35.00	39.00	4.00		-	35.00	39.00	4.00	-	-	XM	*Carbonaceous Mudstone*		2.12	XM	coaly black MS, grainy, rocky	
TM17RC-31		39.00	43.00	4.00		-	39.00	43.00	4.00	-	-	ST	*Siltstone*		2.34	ST	brownish, slightly gritty, larger frags	
TM17RC-31		43.00	44.00	1.00		-	43.00	44.00	1.00	-	-	XM	*Carbonaceous Mudstone*		2.57	XM	black, coaly, v soft	
TM17RC-31		44.00	45.00	1.00		-	44.00	45.00	1.00	-	-	ST	*Siltstone*		2.57	ST	brownish, slightly gritty, soft	
TM17RC-31		45.00	49.00	4.00		-	45.00	49.00	4.00	-	-	MS	*Mudstone*		2.62	MS	v. soft, smooth, darker	
TM17RC-31		49.00	60.00	11.00		-	49.00	60.00	11.00	-	-	ST	*Siltstone*		2.60	ST	brownish, bit gritty, muddy/greasy, good clay content, soft, consistent frags	
TM17RC-31		60.00	67.00	7.00		-	60.00	67.00	7.00	-	-	SS	*Sandstone*		2.58	SS	Grey, very grainy, fine grain SS	
TM17RC-31		67.00	73.90	6.90		-	67.00	73.90	6.90	-	-	SS	*Sandstone*			SS	Grey, muddy, very granular, hammer destroyed sandstone.	TD at 8:30am July 21 2017.

DRILLHOLE LOG - Collar Data v3.1

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-32	TM	2017	RC	664097	5492166	1705	90	-60	80	Ian Fraser; Brian Larsen	GED130	2017-07-19	2017-07-20	664016	5492221	1681	90	-60	104.40	4.00	8.50		2017-07-20	104.12	104.12	2017-08-08	2566	664103.767	5492158.787	1705.605	

CanAus Coal Limited

DRILLHOLE LOG - Lithology Data

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		DRILLER'S DEPTHS					CORRECTED DEPTHS											
Hole ID	Run #	From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	From (m)	To (m)		Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-32		0.00	4.00	4.00		-	0.00	4.00		4.00	-	-	OV	*Overburden, undifferentiated*		4.12	OV	
TM17RC-32		4.00	15.00	11.00		-	4.00	13.69		9.69	-	-	MS	*Mudstone*		2.20	MS	Dark grey, brown streak, soft MS
TM17RC-32		15.00	16.00	1.00		-	13.69	15.73		2.04	-	-	XM	*Carbonaceous Mudstone*		1.74	CO	Darker grey - black, carbonaceous MS
TM17RC-32		16.00	17.00	1.00		-	15.73	17.05		1.32	-	-	CO	*Coal*	3075	1.57	CO	Black CO paste, dull minor coal bits
TM17RC-32		17.00	17.50	0.50		-	17.05	17.45		0.40	-	-	CO	*Coal*	3076	1.79	XM	Black CO paste, dull minor coal bits
TM17RC-32		17.50	19.00	1.50		-	17.45	19.00		1.55	-	-	XM	*Carbonaceous Mudstone*		2.44	XM	Dark grey-black, rocky, soft carbonaceous MS
TM17RC-32		19.00	28.00	9.00		-	19.00	28.00		9.00	-	-	ST	*Siltstone*		2.57	ST	Grey very fine grain, gritty ST, local calcite bits / veinlets
TM17RC-32		28.00	31.00	3.00		-	28.00	31.00		3.00	-	-	MS	*Mudstone*		2.51	MS	Dark grey soft not gritty MS
TM17RC-32		31.00	32.00	1.00		-	31.00	32.00		1.00	-	-	ST	*Siltstone*		2.44	ST	Grey abundant calcite stringers in ST
TM17RC-32		32.00	37.00	5.00		-	32.00	36.83		4.83	-	-	MS	*Mudstone*		2.54	MS	Dark brown, soft shiny surfaces MS
TM17RC-32		37.00	38.00	1.00		-	36.83	37.94		1.11	-	-	CO	*Coal*	3077	1.85	CO	CO paste / slurry
TM17RC-32		38.00	39.00	1.00		-	37.94	39.05		1.11	-	-	CO	*Coal*	3078	1.57	CO	CO paste / slurry
TM17RC-32		39.00	40.00	1.00		-	39.05	40.15		1.10	-	-	CO	*Coal*	3079	1.62	CO	CO paste / slurry
TM17RC-32		40.00	41.00	1.00		-	40.15	41.26		1.11	-	-	CO	*Coal*	3080	1.69	CO	CO paste / slurry
TM17RC-32		41.00	42.00	1.00		-	41.26	42.37		1.11	-	-	CO	*Coal*	3081	1.99	XM	CO paste / slurry
TM17RC-32		42.00	46.00	4.00		-	42.37	44.75		2.38	-	-	MS	*Mudstone*		2.38	MS	black carb. MS
TM17RC-32		46.00	47.00	1.00		-	44.75	46.28		1.53	-	-	CO	*Coal*	3082	1.75	CO	CO paste / slurry
TM17RC-32		47.00	48.00	1.00		-	46.28	47.81		1.53	-	-	CO	*Coal*	3083	1.91	CO	CO paste / slurry
TM17RC-32		48.00	49.00	1.00		-	47.81	49.00		1.19	-	-	CO	*Coal*	3084	2.46	XM	CO paste / slurry
TM17RC-32		49.00	68.00	19.00		-	49.00	68.00		19.00	-	-	ST	*Siltstone*		2.61	ST	grey ST, little harder, bit gritty, minor calcite
TM17RC-32		68.00	104.40	36.40		-	68.00	104.40		36.40	-	-	SS	*Sandstone*		0.95	SS	dark grey fine sandstone, gritty, 104.4 TD@ 2:30am 2017-07-20

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-33	TM	2017	RC	664127	5491623	1776	90	-60	100	Brian Larsen; David Ross	GED 130	2017-08-05	2017-08-05	664138	5491628	1775	82	-60	104.40	2.00	4.60		2017-08-05		104.60	2017-08-08	2558	664137.566	5491634.827	1777.705	DH td'd @ 104.4m 2017-08-05, 12pm

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DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-33		0.00	2.00	2.00		-	0.00	2.00	2.00	-	-	OV	*Overburden, undifferentiated*		3.96		Undifferentiated, fill
TM17RC-33		2.00	5.00	3.00		-	2.00	6.27	4.27	-	-	SS	*Sandstone*		2.53		fine gr. SS, some rust stain
TM17RC-33		5.00	9.00	4.00		-	6.27	8.27	2.00	-	-	XM	*Carbonaceous Mudstone*		1.87		
TM17RC-33		9.00	10.00	1.00		-	8.27	9.27	1.00	-	-	CO	*Coal*	3608	1.56		slurry
TM17RC-33		10.00	11.00	1.00		-	9.27	10.27	1.00	-	-	CO	*Coal*	3609	1.42		as above
TM17RC-33		11.00	12.00	1.00		-	10.27	11.27	1.00	-	-	CO	*Coal*	3610	1.39		as above
TM17RC-33		12.00	13.00	1.00		-	11.27	12.27	1.00	-	-	CO	*Coal*	3611	1.52		as above
TM17RC-33		13.00	14.00	1.00		-	12.27	13.27	1.00	-	-	CO	*Coal*	3612	1.45		as above
TM17RC-33		14.00	15.00	1.00		-	13.27	14.27	1.00	-	-	CO	*Coal*	3613	1.45		as above
TM17RC-33		15.00	17.00	2.00		-	14.27	17.13	2.86	-	-	XM	*Carbonaceous Mudstone*		2.18		
TM17RC-33		17.00	18.00	1.00		-	17.13	19.65	2.52	-	-	CO	*Coal*	3614	1.67		granular
TM17RC-33		18.00	20.00	2.00		-	19.65	21.87	2.22	-	-	XM	*Carbonaceous Mudstone*		2.01		
TM17RC-33		20.00	21.00	1.00		-	21.87	22.85	0.98	-	-	CO	*Coal*	3615	1.43		granular
TM17RC-33		21.00	22.00	1.00		-	22.85	23.83	0.98	-	-	CO	*Coal*	3616	1.48		slurry
TM17RC-33		22.00	27.00	5.00		-	23.83	26.47	2.64	-	-	XM	*Carbonaceous Mudstone*		2.06		
TM17RC-33		27.00	28.00	1.00		-	26.47	27.61	1.14	-	-	CO	*Coal*	3617	1.50		slurry
TM17RC-33		28.00	29.00	1.00		-	27.61	28.74	1.13	-	-	CO	*Coal*	3618	1.93		as above
TM17RC-33		29.00	29.50	0.50		-	28.74	29.31	0.57	-	-	CO	*Coal*	3619	1.47		granular
TM17RC-33		29.50	31.00	1.50		-	29.31	31.50	2.19	-	-	XM	*Carbonaceous Mudstone*		2.19		
TM17RC-33		31.00	32.00	1.00		-	31.50	32.31	0.81	-	-	CO	*Coal*	3620	1.80		slurry
TM17RC-33		32.00	33.00	1.00		-	32.31	33.12	0.81	-	-	CO	*Coal*	3621	1.52		as above
TM17RC-33		33.00	34.00	1.00		-	33.12	33.92	0.80	-	-	CO	*Coal*	3622	1.58		as above
TM17RC-33		34.00	35.00	1.00		-	33.92	34.73	0.81	-	-	CO	*Coal*	3623	1.72		dry and fine
TM17RC-33		35.00	36.00	1.00		-	34.73	35.54	0.81	-	-	CO	*Coal*	3624	1.61		as above
TM17RC-33		36.00	37.00	1.00		-	35.54	36.35	0.81	-	-	CO	*Coal*	3625	1.75		as above
TM17RC-33		37.00	38.00	1.00		-	36.35	37.27	0.92	-	-	XM	*Carbonaceous Mudstone*		2.30		
TM17RC-33		38.00	45.50	7.50		-	36.35	44.13	7.78	-	-	MS	*Mudstone*		2.43		dk coaly MS, soft, no grit
TM17RC-33		45.50	46.00	0.50		-	44.13	44.74	0.61	-	-	CO	*Coal*	3626	1.74		slurry
TM17RC-33		46.00	47.00	1.00		-	44.74	45.95	1.21	-	-	CO	*Coal*	3627	1.66		granular
TM17RC-33		47.00	48.00	1.00		-	45.95	47.16	1.21	-	-	CO	*Coal*	3628	1.81		dry and fine
TM17RC-33		48.00	49.00	1.00		-	47.16	48.37	1.21	-	-	CO	*Coal*	3629	1.83		granular
TM17RC-33		49.00	50.00	1.00		-	48.37	49.58	1.21	-	-	CO	*Coal*	3630	1.63		as above
TM17RC-33		50.00	51.00	1.00		-	49.58	50.80	1.22	-	-	CO	*Coal*	3631	1.50		dry and fine
TM17RC-33		51.00	52.00	1.00		-	50.80	52.01	1.21	-	-	CO	*Coal*	3632	1.72		as above

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DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-33		52.00	57.00	5.00		-	52.01	57.00	4.99	-	-	XM	*Carbonaceous Mudstone*		2.06		
TM17RC-33		57.00	64.00	7.00		-	57.00	64.00	7.00	-	-	MS	*Mudstone*		2.47		grey MS, soft, no grit
TM17RC-33		64.00	104.40	40.40		-	64.00	104.40	40.40	-	-	ST	*Siltstone*		1.62		soft, bit gritty, grey, consistent frags, uniform

DRILLHOLE LOG - Collar Data v3.3

				PLANNED										COMPLETED						FROM DRILLER			FROM GEOPHYSICS			FROM SURVEYOR					
Hole ID	Project	Year	Hole Type	E	N	Elev	Azimuth	Dip	Planned TD (m)	Geologist(s)	Rig	Date Drilling Started	Date Drilling Completed	E	N	Elev	Azimuth	Dip	Completed TD (m)	Overburden (m)	Casing (m)	Corepoint (m)	Date Geophys Completed	Depth Thru-Pipe Log (m)	Depth Open-Hole Log (m)	Date Surveyed	Survey ID	E	N	Elev	Hole Comments
TM17RC-34	TM	2017	RC	664208	5491845	1800	0	-90	90	Brian Larsen; David Ross	GED 130	2017-08-06	2017-08-06	664210	5491828	1800	0	-90	90.00	0.00	8.60		2017-08-06		90.00	2017-08-08	2555	664211.819	5491830.120	1791.090	

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DRILLHOLE LOG - Lithology Data

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Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	Density (is) from Geophys	Model Litho	Lithology Description
TM17RC-34		0.00	5.00	5.00		-	0.00	5.00	5.00	-	-	ST	*Siltstone*		9.04		dk grey ST, some rust stain at 5m, some large frags
TM17RC-34		5.00	8.00	3.00		-	5.00	8.00	3.00	-	-	MS	*Mudstone*		4.48		dk grey MS, some large chips
TM17RC-34		8.00	9.00	1.00		-	8.00	8.61	0.61	-	-	XM	*Carbonaceous Mudstone*		2.32		
TM17RC-34		9.00	10.00	1.00		-	8.61	9.74	1.13	-	-	CO	*Coal*	3633	1.81		slurry
TM17RC-34		10.00	11.00	1.00		-	9.74	10.87	1.13	-	-	CO	*Coal*	3634	1.65		slurry
TM17RC-34		11.00	12.00	1.00		-	10.87	12.00	1.13	-	-	CO	*Coal*	3635	1.54		slurry
TM17RC-34		12.00	13.00	1.00		-	12.00	13.13	1.13	-	-	CO	*Coal*	3636	1.49		slurry
TM17RC-34		13.00	14.00	1.00		-	13.13	14.26	1.13	-	-	CO	*Coal*	3637	1.60		slurry
TM17RC-34		14.00	14.50	0.50		-	14.26	14.85	0.59	-	-	CO	*Coal*	3638	1.88		slurry
TM17RC-34		14.50	17.00	2.50		-	14.85	17.77	2.92	-	-	MS	*Mudstone*		2.53		dk grey MS
TM17RC-34		17.00	18.00	1.00		-	17.77	18.17	0.40	-	-	CO	*Coal*	3639	1.61		slurry
TM17RC-34		18.00	18.50	0.50		-	18.17	18.37	0.20	-	-	CO	*Coal*	3640	1.73		slurry
TM17RC-34		18.50	19.00	0.50		-	18.37	19.49	1.12	-	-	ST	*Siltstone*	EXCL	2.41		black ST
TM17RC-34		19.00	20.00	1.00		-	19.49	20.39	0.90	-	-	CO	*Coal*	3641	1.85		grey black slurry
TM17RC-34		20.00	21.00	1.00		-	20.39	21.29	0.90	-	-	CO	*Coal*	3642	1.91		slurry
TM17RC-34		21.00	22.00	1.00		-	21.29	22.19	0.90	-	-	CO	*Coal*	3643	1.52		slurry
TM17RC-34		22.00	22.50	0.50		-	22.19	22.65	0.46	-	-	CO	*Coal*	3644	1.67		slurry
TM17RC-34		22.50	53.00	30.50		-	22.65	53.00	30.35	-	-	ST	*Siltstone*		2.53		grey to dk grey ST, med hard, some grit, minor calcite
TM17RC-34		53.00	76.00	23.00		-	53.00	76.00	23.00	-	-	SS	*Sandstone*		2.58		f gr grey SS, gritty
TM17RC-34		76.00	90.00	14.00		-	76.00	90.00	14.00	-	-	SS	*Sandstone*		1.22		f gr dk grey SS, more carb., gritty

DRILLHOLE LOG - Collar Data

																						Planned			Approx			Surveyed					
Hole ID	Project	Year	Type	Geologist(s)	Rig	Target Seam(s)	Date Drilled	Azimuth	Dip	Driller's TD (m)	Bit Size (mm)	Core Size (mm)	Overburden (m)	Driller's Casing (m)	Corepoint (m)	Date Logged	Open Hole Log to TD?	Logger's TD (m)	Logger's Casing (m)	Water Table (m)	Flowing?	E	N	Elev	E	N	Elev	E	N	Elev	Date Surveyed	Survey ID	Comments
TM17RC-35	TM	2017	RC	; Brian Larsen	GED 130		2017-07-11	0	-60	244	178; 140; 133		5	14		2017-07-12	N	242.75	14	83	N	663817	5492476	1667	663812	5492437	1669	663815	5492485	1664.08	2017-08-08	2561	DH TD'd @244m 11.30am 2017-07-12

DRILLHOLE LOG - Lithology Data

Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Model Litho	Description
TM17RC-35		0.00	5.00	5.00		0%	0.00	5.00	5.00		0%	OV	*Overburden, undifferentiated*			OV	
TM17RC-35		5.00	7.00	2.00		0%	5.00	7.00	2.00		0%	ST	*Siltstone*			ST	very fine grain, medium hard, siltstone, subangular chips
TM17RC-35		7.00	23.00	16.00		0%	7.00	23.00	16.00		0%	SS	*Sandstone*			SS	fine grain, grey dark grey, hard sandstone, angular chips
TM17RC-35		23.00	29.00	6.00		0%	23.00	29.00	6.00		0%	SS	*Sandstone*			SS	fine grain grey dark grey sand - sandstone, not many chips
TM17RC-35		29.00	38.00	9.00		0%	29.00	38.00	9.00		0%	SS	*Sandstone*			SS	fine grain grey dark grey sand - sandstone, not many chips
TM17RC-35		38.00	40.00	2.00		0%	38.00	40.00	2.00		0%	ST	*Siltstone*			ST	grey dark grey siltstone with a few fine grains
TM17RC-35		40.00	43.00	3.00		0%	40.00	43.00	3.00		0%	SS	*Sandstone*			SS	grey sandstone, fine grained
TM17RC-35		43.00	53.00	10.00		0%	43.00	51.50	8.50		0%	MS	*Mudstone*			XM	dark grey mudstone, very slight FIZZ
TM17RC-35		53.00	55.00	2.00		0%	51.50	53.67	2.17		0%	MS	*Mudstone*	21825	67.84	XM	dark grey mudstone a little coaly
TM17RC-35		55.00	56.00	1.00		0%	53.67	54.75	1.08		0%	CO	*Coal*	21826	50.69	CO	nice coal fine slurry
TM17RC-35		56.00	57.00	1.00		0%	54.75	55.83	1.08		0%	CO	*Coal*	21827	49.39	CO	nice coal fine slurry
TM17RC-35		57.00	58.00	1.00		0%	55.83	56.92	1.09		0%	CO	*Coal*	21828	56.19	CO	nice coal fine slurry
TM17RC-35		58.00	59.00	1.00		0%	56.92	58.00	1.08		0%	CO	*Coal*	21829	56.13	CO	nice coal fine slurry
TM17RC-35		59.00	60.00	1.00		0%	58.00	59.08	1.08		0%	CO	*Coal*	21830	38.66	CO	nice coal fine slurry
TM17RC-35		60.00	61.00	1.00		0%	59.08	60.17	1.09		0%	CO	*Coal*	21831	69.97	CO	nice coal fine slurry
TM17RC-35		61.00	62.00	1.00		0%	60.17	61.25	1.08		0%	CO	*Coal*	21832	46.84	CO	nice coal fine slurry
TM17RC-35		62.00	63.00	1.00		0%	61.25	62.33	1.08		0%	CO	*Coal*	21833	55.14	CO	nice coal fine slurry
TM17RC-35		63.00	64.00	1.00		0%	62.33	63.42	1.09		0%	CO	*Coal*	21834	59.15	CO	nice coal fine slurry
TM17RC-35		64.00	65.00	1.00		0%	63.42	64.50	1.08		0%	CO	*Coal*	21835	71.08	XM	nice coal fine slurry
TM17RC-35		65.00	66.00	1.00		0%	64.50	65.58	1.08		0%	CO	*Coal*	21836	70.25	XM	nice coal fine slurry
TM17RC-35		66.00	67.00	1.00		0%	65.58	66.67	1.09		0%	MS	*Mudstone*	21837	88.55	XM	dark grey mudstone still a bit coaly
TM17RC-35		67.00	68.00	1.00		0%	66.67	67.75	1.08		0%	CO	*Coal*	21838	78.07	XM	coal fine slurry
TM17RC-35		68.00	69.00	1.00		0%	67.75	68.83	1.08		0%	CO	*Coal*	21839	54.23	CO	coal fine slurry
TM17RC-35		69.00	70.00	1.00		0%	68.83	69.92	1.09		0%	CO	*Coal*	21840	33.05	CO	coal fine slurry
TM17RC-35		70.00	71.00	1.00		0%	69.92	71.00	1.08		0%	CO	*Coal*	21841	54.89	CO	coal fine slurry
TM17RC-35		71.00	72.00	1.00		0%	71.00	72.00	1.00		0%	MS	*Mudstone*	21842	92.09	XM	dark grey mudstone
TM17RC-35		72.00	75.00	3.00		0%	72.00	75.00	3.00		0%	MS	*Mudstone*			MS	dark grey mudstone
TM17RC-35		75.00	85.00	10.00		0%	75.00	85.00	10.00		0%	ST	*Siltstone*			ST	dark grey siltstone with bits of calcite strong FIZZ
TM17RC-35		85.00	86.00	1.00		0%	85.00	85.50	0.50		0%	MS	*Mudstone*			MS	dark grey mudstone no FIZZ
TM17RC-35		86.00	87.00	1.00		0%	85.50	86.50	1.00		0%	CO	*Coal*	21843	62.16	XM	coal fine slurry
TM17RC-35		87.00	88.00	1.00		0%	86.50	87.50	1.00		0%	CO	*Coal*	21844	62.21	XM	coal fine slurry
TM17RC-35		88.00	89.00	1.00		0%	87.50	88.50	1.00		0%	CO	*Coal*	21845	82.04	XM	coal fine slurry
TM17RC-35		89.00	90.00	1.00		0%	88.50	89.50	1.00		0%	CO	*Coal*	21846	70.8	XM	coal fine slurry
TM17RC-35		90.00	91.00	1.00		0%	89.50	91.00	1.50		0%	MS	*Mudstone*			MS	dark grey mudstone
TM17RC-35		91.00	98.00	7.00		0%	91.00	98.00	7.00		0%	ST	*Siltstone*			ST	dark grey siltstone, harder with calcite bits / stringers
TM17RC-35		98.00	110.00	12.00		0%	98.00	110.00	12.00		0%	ST	*Siltstone*			ST	dark grey siltstone, hard obvious calcite absent but good FIZZ
TM17RC-35		110.00	113.00	3.00		0%	110.00	113.00	3.00		0%	MS	*Mudstone*			MS	dark grey brown soft mudstone
TM17RC-35		113.00	119.00	6.00		0%	113.00	119.00	6.00		0%	ST	*Siltstone*			ST	dark grey siltstone, harder with calcite bits / stringers
TM17RC-35		119.00	126.00	7.00		0%	119.00	124.60	5.60		0%	SS	*Sandstone*			SS	dark grey sandstone harder
TM17RC-35		126.00	127.00	1.00		0%	124.60	126.45	1.85		0%	CO	*Coal*	21847	52.01	CO	black - a bit rocky - carbonaceous mudstone?
TM17RC-35		127.00	128.00	1.00		0%	126.45	128.30	1.85		0%	CO	*Coal*	21848	75.33	XM	black grainy coal grades into carbonaceous mudstone
TM17RC-35		128.00	129.00	1.00		0%	128.30	129.00	0.70		0%	ST	*Siltstone*			ST	dark grey siltstone with calcite stringers and bits
TM17RC-35		129.00	134.00	5.00		0%	129.00	134.00	5.00		0%	MS	*Mudstone*			MS	dark grey mudstone, softer minor calcite
TM17RC-35		134.00	139.00	5.00		0%	134.00	139.00	5.00		0%	ST	*Siltstone*			ST	dark grey very fine grain siltstone minor calcite, harder

DRILLHOLE LOG - Lithology Data

Hole ID	Run #	DRILLER'S DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	CORRECTED DEPTHS From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Lithology Code	Lithology English	Sample ID	ARD	Model Litho	Description
TM17RC-35		139.00	147.00	8.00		0%	139.00	147.00	8.00		0%	ST	*Siltstone*			ST	dark grey very fine grain hard siltstone no FIZZ
TM17RC-35		147.00	151.00	4.00		0%	147.00	150.50	3.50		0%	MS	*Mudstone*			MS	grey brown softer, platey mudstone, no FIZZ
TM17RC-35		151.00	152.00	1.00		0%	150.50	151.50	1.00		0%	CO	*Coal*	21849	74.54	XM	black dull good slurry
TM17RC-35		152.00	153.00	1.00		0%	151.50	152.50	1.00		0%	CO	*Coal*	21850	35.3	CO	black dull good slurry
TM17RC-35		153.00	154.00	1.00		0%	152.50	153.50	1.00		0%	CO	*Coal*	21851	37.51	CO	black dull good slurry
TM17RC-35		154.00	155.00	1.00		0%	153.50	154.50	1.00		0%	CO	*Coal*	21852	55.62	CO	black dull good slurry
TM17RC-35		155.00	156.00	1.00		0%	154.50	155.50	1.00		0%	CO	*Coal*	21853	52.071	CO	black dull good slurry
TM17RC-35		156.00	157.00	1.00		0%	155.50	156.50	1.00		0%	XM	*Carbonaceo*	21854	64.35	XM	coal intermixed with carbonaceous mudstone
TM17RC-35		157.00	158.00	1.00		0%	156.50	157.50	1.00		0%	XM	*Carbonaceo*	21855	62.75	XM	brown carbonaceous mudstone soft
TM17RC-35		158.00	162.00	4.00		0%	157.50	162.00	4.50		0%	MS	*Mudstone*			MS	brown, platey soft mudstone
TM17RC-35		162.00	172.00	10.00		0%	162.00	172.00	10.00		0%	SS	*Sandstone*			SS	dark grey fine grain gritty sandstone
TM17RC-35		172.00	178.00	6.00		0%	172.00	178.00	6.00		0%	ST	*Siltstone*			ST	dark grey weak grittiness, calcite stringers and bits
TM17RC-35		178.00	181.00	3.00		0%	178.00	180.40	2.40		0%	ST	*Siltstone*			CO	dark grey brown weak grit no apparent calcite
TM17RC-35		181.00	182.00	1.00		0%	180.40	181.44	1.04		0%	CO	*Coal*	21856	29.61	CO	black coarse - good slurry on table
TM17RC-35		182.00	183.00	1.00		0%	181.44	182.48	1.04		0%	CO	*Coal*	21857	71.9	XM	good black slurry
TM17RC-35		183.00	184.00	1.00		0%	182.48	183.53	1.05		0%	XM	*Carbonaceo*	21858	90.67	XM	black rocky some coal predominant carbonaceous mudstone
TM17RC-35		184.00	185.00	1.00		0%	183.53	184.57	1.04		0%	XM	*Carbonaceo*	21859	87.92	XM	black - brown, rocky carbonaceous mudstone
TM17RC-35		185.00	186.00	1.00		0%	184.57	185.61	1.04		0%	CO	*Coal*	21860	39.07	CO	black, dull - weakly bright, good slurry on table
TM17RC-35		186.00	187.00	1.00		0%	185.61	186.65	1.04		0%	CO	*Coal*	21861	49.77	CO	black, dull - weakly bright, good slurry on table
TM17RC-35		187.00	188.00	1.00		0%	186.65	187.69	1.04		0%	CO	*Coal*	21862	32.05	CO	black, dull - weakly bright, good slurry on table
TM17RC-35		188.00	189.00	1.00		0%	187.69	188.74	1.05		0%	CO	*Coal*	21863	29.87	CO	black, dull - weakly bright, good slurry on table
TM17RC-35		189.00	190.00	1.00		0%	188.74	189.78	1.04		0%	CO	*Coal*	21864	24.67	CO	black, dull - weakly bright, good slurry on table
TM17RC-35		190.00	191.00	1.00		0%	189.78	190.82	1.04		0%	CO	*Coal*	21865	39.22	CO	black, dull - weakly bright, good slurry on table
TM17RC-35		191.00	192.00	1.00		0%	190.82	191.86	1.04		0%	CO	*Coal*	21866	59.37	CO	black, dull - weakly bright, good slurry on table
TM17RC-35		192.00	193.00	1.00		0%	191.86	192.91	1.05		0%	CO	*Coal*	21867	82.72	XM	black, dull - weakly bright, good slurry on table
TM17RC-35		193.00	194.00	1.00		0%	192.91	193.95	1.04		0%	CO	*Coal*	21868	61.21	CO	black, dull - weakly bright, good slurry on table
TM17RC-35		194.00	195.00	1.00		0%	193.95	194.99	1.04		0%	CO	*Coal*	21869	55.22	CO	black, dull - weakly bright, good slurry on table
TM17RC-35		195.00	196.00	1.00		0%	194.99	196.03	1.04		0%	CO	*Coal*	21870	51.16	CO	black, dull - weakly bright, good slurry on table
TM17RC-35		196.00	197.00	1.00		0%	196.03	197.07	1.04		0%	CO	*Coal*	21871	62.94	CO	black, dull - weakly bright, good slurry on table
TM17RC-35		197.00	198.00	1.00		0%	197.07	198.12	1.05		0%	CO	*Coal*	21872	50.09	CO	black, dull - weakly bright, good slurry on table
TM17RC-35		198.00	199.00	1.00		0%	198.12	199.16	1.04		0%	CO	*Coal*	21873	43.69	CO	black, dull - weakly bright, good slurry on table
TM17RC-35		199.00	200.00	1.00		0%	199.16	200.20	1.04		0%	XM	*Carbonaceo*	21874	76.26	XM	black - brown, larger fragments, minor coal component
TM17RC-35		200.00	205.00	5.00		0%	200.20	205.00	4.80		0%	ST	*Siltstone*			ST	grey ST, few large frags
TM17RC-35		205.00	207.00	2.00		0%	205.00	207.00	2.00		0%	ST	*Siltstone*			ST	dark grey ST, few larger frags, bit coaly
TM17RC-35		207.00	210.00	3.00		0%	207.00	210.00	3.00		0%	ST	*Siltstone*			ST	grey ST w brown mud
TM17RC-35		210.00	214.00	4.00		0%	210.00	214.00	4.00		0%	ST	*Siltstone*			ST	brown ST w larger frags near bottom
TM17RC-35		214.00	221.00	7.00		0%	214.00	221.00	7.00		0%	ST	*Siltstone*			ST	grey ST w larger frags, good fizz
TM17RC-35		221.00	224.00	3.00		0%	221.00	222.60	1.60		0%	XM	*Carbonaceous Mudstone*			XM	carb. MT
TM17RC-35		224.00	225.00	1.00		0%	222.60	223.90	1.30		0%	CO	*Coal*	21875	65.86	CO	thin coal stringer
TM17RC-35		225.00	227.00	2.00		0%	223.90	227.00	3.10		0%	XM	*Carbonaceous Mudstone*			XM	carb. MT
TM17RC-35		227.00	237.00	10.00		0%	227.00	237.00	10.00		0%	ST	*Siltstone*			ST	dark grey ST, consistent chip size
TM17RC-35		237.00	244.00	7.00		0%	237.00	244.00	7.00		0%	ST	*Siltstone*			ST	dark grey ST, consistent chip size
			-		-												
			-		-												

Appendix C - Sample Summary

2017 Tent Mountain Sampling Summary

Reverse Circulation Samples

Hole	Sample ID	Birtley ID	Composite ID	Pearson ID	Sample Type	From (m)	To (m)
TM17RC-01	21799	172452			COAL	117.00	118.00
TM17RC-01	21800	172453			COAL	118.00	119.30
TM17RC-01	21801	172454			COAL	120.50	121.00
TM17RC-01	21802	172455	21802-21806	36625	COAL	139.70	140.70
TM17RC-01	21803	172456	21802-21806		COAL	140.70	141.70
TM17RC-01	21804	172457	21802-21806		COAL	141.70	142.70
TM17RC-01	21805	172458	21802-21806		COAL	142.70	143.70
TM17RC-01	21806	172459	21802-21806		COAL	143.70	144.70
TM17RC-01	21807	172460			COAL	144.70	145.70
TM17RC-01	21808	172461			COAL	145.70	146.70
TM17RC-01	21809	172462	21809-21822	36626	COAL	162.50	163.50
TM17RC-01	21810	172463	21809-21822		COAL	163.50	164.50
TM17RC-01	21811	172464	21809-21822		COAL	165.00	166.00
TM17RC-01	21812	172465	21809-21822		COAL	166.00	167.00
TM17RC-01	21813	172466	21809-21822		COAL	167.00	168.00
TM17RC-01	21814	172467	21809-21822		COAL	168.00	169.00
TM17RC-01	21815	172468	21809-21822		COAL	169.00	170.00
TM17RC-01	21816	172469	21809-21822		COAL	170.00	171.00
TM17RC-01	21817	172470	21809-21822		COAL	171.00	172.00
TM17RC-01	21818	172471	21809-21822		COAL	172.00	173.00
TM17RC-01	21819	172472	21809-21822		COAL	173.00	174.00
TM17RC-01	21820	172473	21809-21822		COAL	174.00	175.00
TM17RC-01	21821	172474	21809-21822		COAL	175.00	176.00
TM17RC-01	21822	172475	21809-21822		COAL	176.00	177.00
TM17RC-01	21823	172476			PARTING	177.00	178.00
TM17RC-01	21824	172477	21824-21824	36627	COAL	187.00	188.00
TM17RC-04	3097	172711			COAL	72.50	73.50
TM17RC-04	3098	172712			COAL	73.50	74.50
TM17RC-04	3099	172713			COAL	74.50	75.50
TM17RC-04	3100	172714			COAL	129.50	130.50
TM17RC-04	3151	172715			COAL	130.50	131.50
TM17RC-04	3152	172716	3152-3177	36913	COAL	145.50	146.50
TM17RC-04	3153	172717	3152-3177		COAL	146.50	147.50

TM17RC-04	3154	172718	3152-3177		COAL	147.50	148.50
TM17RC-04	3155	172719	3152-3177		COAL	148.50	149.50
TM17RC-04	3156	172720	3152-3177		COAL	149.50	150.50
TM17RC-04	3157	172721	3152-3177		COAL	150.50	151.50
TM17RC-04	3158	172722	3152-3177		COAL	151.50	152.50
TM17RC-04	3159	172723	3152-3177		COAL	152.50	153.70
TM17RC-04	3160	172724	3152-3177		COAL	153.70	154.70
TM17RC-04	3161	172725	3152-3177		COAL	154.70	155.70
TM17RC-04	3162	172726	3152-3177		COAL	155.70	156.70
TM17RC-04	3163	172727	3152-3177		COAL	156.70	157.70
TM17RC-04	3164	172728	3152-3177		COAL	157.70	158.70
TM17RC-04	3165	172729	3152-3177		COAL	158.70	159.80
TM17RC-04	3166	172730	3152-3177		COAL	159.80	160.80
TM17RC-04	3167	172731	3152-3177		COAL	160.80	161.80
TM17RC-04	3168	172732	3152-3177		COAL	161.80	162.80
TM17RC-04	3169	172733	3152-3177		COAL	162.80	163.80
TM17RC-04	3170	172734	3152-3177		COAL	163.80	164.90
TM17RC-04	3171	172735	3152-3177		COAL	166.00	167.00
TM17RC-04	3172	172736	3152-3177		COAL	167.00	168.00
TM17RC-04	3173	172737	3152-3177		COAL	168.00	169.00
TM17RC-04	3174	172738	3152-3177		COAL	169.00	170.00
TM17RC-04	3175	172739	3152-3177		COAL	170.00	171.00
TM17RC-04	3176	172740	3152-3177		COAL	171.00	172.00
TM17RC-04	3177	172741	3152-3177		COAL	172.00	173.00
TM17RC-04	3178	172742			COAL	173.00	174.00
TM17RC-05	21745	172418			COAL	28.00	29.00
TM17RC-05	21746	172419			COAL	136.50	137.50
TM17RC-05	21747	172420			COAL	137.50	138.00
TM17RC-05	21748	172421	21748-21764	36622	COAL	159.00	160.00
TM17RC-05	21749	172422	21748-21764		COAL	160.00	161.00
TM17RC-05	21750	172423	21748-21764		COAL	161.00	162.00
TM17RC-05	21751	172424	21748-21764		COAL	162.00	163.00
TM17RC-05	21752	172425	21748-21764		COAL	163.00	164.00
TM17RC-05	21753	172426	21748-21764		COAL	164.00	165.00
TM17RC-05	21754	172427	21748-21764		COAL	165.00	166.00
TM17RC-05	21755	172428	21748-21764		COAL	166.00	167.00
TM17RC-05	21756	172429	21748-21764		COAL	167.00	167.70
TM17RC-05	21757	172430	21748-21764		COAL	168.00	169.00
TM17RC-05	21758	172431	21748-21764		FOOTWALL	169.00	169.50
TM17RC-05	21759	172432	21748-21764		COAL	171.00	172.00

TM17RC-05	21760	172433	21748-21764		COAL	172.00	173.00
TM17RC-05	21761	172434	21748-21764		COAL	173.00	174.00
TM17RC-05	21762	172435	21748-21764		FOOTWALL	174.00	175.00
TM17RC-05	21763	172436	21748-21764		FOOTWALL	175.00	176.00
TM17RC-05	21764	172437	21748-21764		FOOTWALL	176.00	177.00
TM17RC-05	21765	172438			FOOTWALL	177.00	178.00
TM17RC-06	3252	173427	3252-3254	36977	COAL	12.40	13.40
TM17RC-06	3253	173428	3252-3254		COAL	13.40	14.40
TM17RC-06	3254	173429	3252-3254		COAL	14.40	15.40
TM17RC-06	3255	173430			COAL	15.40	16.40
TM17RC-06	3256	173431			COAL	51.50	52.00
TM17RC-06	3257	173432	3257-3263	36978	COAL	52.00	53.00
TM17RC-06	3258	173433	3257-3263		COAL	53.00	54.00
TM17RC-06	3259	173434	3257-3263		COAL	54.00	55.00
TM17RC-06	3260	173435	3257-3263		COAL	55.00	56.00
TM17RC-06	3261	173436	3257-3263		COAL	56.00	57.00
TM17RC-06	3262	173437	3257-3263		COAL	57.00	58.00
TM17RC-06	3263	173438	3257-3263		COAL	58.00	59.00
TM17RC-06	3264	173439			INTERBURDEN	59.00	59.50
TM17RC-09	3062	172678			COAL	7.00	8.00
TM17RC-10	3063	172679	3063-3068	36911	COAL	56.00	57.00
TM17RC-10	3064	172680	3063-3068		COAL	57.00	58.00
TM17RC-10	3065	172681	3063-3068		COAL	58.00	59.00
TM17RC-10	3066	172682	3063-3068		COAL	59.00	60.00
TM17RC-10	3067	172683	3063-3068		COAL	60.00	61.00
TM17RC-10	3068	172684	3063-3068		COAL	61.00	62.00
TM17RC-10	3069	172685	3069-3073	36912	COAL	69.50	70.50
TM17RC-10	3070	172686	3069-3073		COAL	70.50	71.50
TM17RC-10	3071	172687	3069-3073		COAL	71.50	72.50
TM17RC-10	3072	172688	3069-3073		COAL	72.50	73.50
TM17RC-10	3073	172689	3069-3073		COAL	73.50	74.50
TM17RC-10	3074	172690			COAL	74.50	75.00
TM17RC-11	3085	172743	3085-3086	36914	COAL	16.00	17.00
TM17RC-11	3086	172744	3085-3086		COAL	17.00	18.00
TM17RC-11	3087	172745			COAL	18.00	19.00
TM17RC-11	3088	172746	3088-3091	36915	COAL	44.00	45.00
TM17RC-11	3089	172747	3088-3091		COAL	45.00	46.00
TM17RC-11	3090	172748	3088-3091		COAL	46.00	47.00
TM17RC-11	3091	172749	3088-3091		COAL	47.00	48.00
TM17RC-11	3092	172750			COAL	48.00	48.50

TM17RC-11	3093	172751	3093-3095	36916	COAL	54.00	55.00
TM17RC-11	3094	172752	3093-3095		COAL	55.00	56.00
TM17RC-11	3095	172753	3093-3095		COAL	56.00	57.00
TM17RC-12	3265	172980			COAL	92.70	93.70
TM17RC-12	3266	172981	3266-3274	36972	COAL	93.70	94.70
TM17RC-12	3267	172982	3266-3274		COAL	94.70	95.70
TM17RC-12	3268	172983	3266-3274		COAL	95.70	96.70
TM17RC-12	3269	172984	3266-3274		COAL	96.70	97.70
TM17RC-12	3270	172985	3266-3274		COAL	97.70	98.70
TM17RC-12	3271	172986	3266-3274		COAL	98.70	99.70
TM17RC-12	3272	172987	3266-3274		COAL	99.70	100.70
TM17RC-12	3273	172988	3266-3274		COAL	100.70	101.70
TM17RC-12	3274	172989	3266-3274		COAL	101.70	102.70
TM17RC-12	3275	172990			COAL	102.70	103.70
TM17RC-12	3276	172991			COAL	103.70	104.70
TM17RC-12	3277	172992			COAL	105.50	106.00
TM17RC-12	3278	172993			COAL	106.00	107.00
TM17RC-12	3279	172994			COAL	117.00	118.00
TM17RC-12	3280	172995	3280-3287	36973	COAL	119.00	120.00
TM17RC-12	3281	172996	3280-3287		COAL	120.00	121.00
TM17RC-12	3282	172997	3280-3287		COAL	121.00	122.00
TM17RC-12	3283	172998	3280-3287		COAL	122.00	123.00
TM17RC-12	3284	172999	3280-3287		COAL	123.00	124.00
TM17RC-12	3285	173000	3280-3287		COAL	124.00	125.00
TM17RC-12	3286	173001	3280-3287		COAL	125.00	126.00
TM17RC-12	3287	173002	3280-3287		COAL	126.00	127.00
TM17RC-12	3288	173003			COAL	127.00	127.50
TM17RC-12	3289	173004			COAL	128.50	129.30
TM17RC-12	3290	173005			COAL	129.30	130.30
TM17RC-12	3291	173006	3291-3293	36974	COAL	130.30	131.30
TM17RC-12	3292	173007	3291-3293		COAL	131.30	132.30
TM17RC-12	3293	173008	3291-3293		COAL	132.30	133.30
TM17RC-12	3294	173009			COAL	133.30	134.30
TM17RC-12	3295	173010			COAL	134.30	135.40
TM17RC-12	3296	173011			COAL	135.40	136.40
TM17RC-12	3297	173012	3297-3299	36975	COAL	152.70	153.70
TM17RC-12	3298	173013	3297-3299		COAL	153.70	154.70
TM17RC-12	3299	173014	3297-3299		COAL	154.70	155.70
TM17RC-12	3300	173015			COAL	155.70	156.70
TM17RC-12	3501	173016			COAL	157.80	158.30

TM17RC-12	3502	173017	3502-3506	36976	COAL	160.30	160.80
TM17RC-12	3503	173018	3502-3506		COAL	160.80	161.80
TM17RC-12	3504	173019	3502-3506		COAL	161.80	162.80
TM17RC-12	3505	173020	3502-3506		COAL	162.80	163.80
TM17RC-12	3506	173021	3502-3506		COAL	163.80	164.80
TM17RC-12	3507	173022			COAL	165.40	165.90
TM17RC-13	3573	173505			COAL	14.30	15.30
TM17RC-13	3574	173506			COAL	15.30	16.30
TM17RC-13	3575	173507			COAL	16.30	17.30
TM17RC-13	3576	173508			COAL	17.30	18.30
TM17RC-13	3577	173509			COAL	18.30	19.30
TM17RC-13	3578	173510			COAL	19.30	20.30
TM17RC-13	3579	173511			COAL	20.30	21.30
TM17RC-13	3580	173512	3580-3588	36984	COAL	21.30	22.30
TM17RC-13	3581	173513	3580-3588		COAL	22.30	23.30
TM17RC-13	3582	173514	3580-3588		COAL	23.30	24.30
TM17RC-13	3583	173515	3580-3588		COAL	24.30	25.30
TM17RC-13	3584	173516	3580-3588		COAL	25.30	26.30
TM17RC-13	3585	173517	3580-3588		COAL	26.30	27.30
TM17RC-13	3586	173518	3580-3588		COAL	27.30	28.30
TM17RC-13	3587	173519	3580-3588		COAL	28.30	29.30
TM17RC-13	3588	173520	3580-3588		COAL	29.30	30.30
TM17RC-13	3589	173521	3589-3596	36985	COAL	37.70	38.70
TM17RC-13	3590	173522	3589-3596		COAL	38.70	39.70
TM17RC-13	3591	173523	3589-3596		COAL	39.70	40.70
TM17RC-13	3592	173524	3589-3596		COAL	40.70	41.70
TM17RC-13	3593	173525	3589-3596		COAL	41.70	42.70
TM17RC-13	3594	173526	3589-3596		COAL	42.70	43.70
TM17RC-13	3595	173527	3589-3596		COAL	43.70	44.70
TM17RC-13	3596	173528	3589-3596		COAL	44.70	45.70
TM17RC-13	3597	173529	3597-3604	36986	COAL	54.00	55.00
TM17RC-13	3598	173530	3597-3604		COAL	55.00	56.00
TM17RC-13	3599	173531	3597-3604		COAL	56.00	57.00
TM17RC-13	3600	173532	3597-3604		COAL	57.00	58.00
TM17RC-13	3601	173533	3597-3604		COAL	58.00	59.00
TM17RC-13	3602	173534	3597-3604		COAL	59.00	60.00
TM17RC-13	3603	173535	3597-3604		COAL	60.00	61.00
TM17RC-13	3604	173536	3597-3604		COAL	61.00	62.00
TM17RC-13	3605	173537			COAL	65.00	66.00
TM17RC-13	3606	173538			COAL	66.00	67.00

TM17RC-13	3607	173539			COAL	67.00	68.00
TM17RC-14	3645	173577	3645-3647	37257	COAL	29.00	30.00
TM17RC-14	3646	173578	3645-3647		COAL	30.00	31.00
TM17RC-14	3647	173579	3645-3647		COAL	31.00	32.00
TM17RC-15	3667	173599	3667-3671	37262	COAL	22.00	23.00
TM17RC-15	3668	173600	3667-3671		COAL	23.00	24.00
TM17RC-15	3669	173601	3667-3671		COAL	24.00	25.00
TM17RC-15	3670	173602	3667-3671		COAL	25.00	26.00
TM17RC-15	3671	173603	3667-3671		COAL	26.00	27.00
TM17RC-16	3658	173590	3658-3662	37260	COAL	27.00	28.00
TM17RC-16	3659	173591	3658-3662		COAL	28.00	29.00
TM17RC-16	3660	173592	3658-3662		COAL	29.00	30.00
TM17RC-16	3661	173593	3658-3662		COAL	30.00	31.00
TM17RC-16	3662	173594	3658-3662		COAL	31.00	32.00
TM17RC-17	3228	172956			COAL	13.50	14.50
TM17RC-17	3229	172957	3229-3232	36970	COAL	24.70	25.70
TM17RC-17	3230	172958	3229-3232		COAL	25.70	26.70
TM17RC-17	3231	172959	3229-3232		COAL	26.70	27.70
TM17RC-17	3232	172960	3229-3232		COAL	27.70	28.70
TM17RC-17	3233	172961			COAL	54.20	55.20
TM17RC-17	3234	172962	3234-3250	36971	COAL	55.20	56.20
TM17RC-17	3235	172963	3234-3250		COAL	56.20	57.20
TM17RC-17	3236	172964	3234-3250		COAL	57.20	58.20
TM17RC-17	3237	172965	3234-3250		COAL	58.20	58.70
TM17RC-17	3238	172966	3234-3250		COAL	59.00	60.00
TM17RC-17	3239	172967	3234-3250		COAL	60.00	61.00
TM17RC-17	3240	172968	3234-3250		COAL	61.00	62.00
TM17RC-17	3241	172969	3234-3250		COAL	62.00	63.00
TM17RC-17	3242	172970	3234-3250		COAL	63.00	64.00
TM17RC-17	3243	172971	3234-3250		COAL	64.00	65.00
TM17RC-17	3244	172972	3234-3250		COAL	65.00	66.00
TM17RC-17	3245	172973	3234-3250		COAL	66.00	67.00
TM17RC-17	3246	172974	3234-3250		COAL	67.00	68.00
TM17RC-17	3247	172975	3234-3250		COAL	68.00	69.00
TM17RC-17	3248	172976	3234-3250		COAL	69.00	70.00
TM17RC-17	3249	172977	3234-3250		COAL	70.00	71.00
TM17RC-17	3250	172978	3234-3250		COAL	71.00	72.00
TM17RC-17	3251	172979			COAL	72.00	73.00
TM17RC-18	3524	173456	3524-3522	36979	COAL	66.00	67.00
TM17RC-18	3525	173457	3524-3522		COAL	67.00	68.00

TM17RC-18	3526	173458	3524-3522		COAL	68.00	69.00
TM17RC-18	3508	173440	3524-3522		COAL	69.00	70.00
TM17RC-18	3509	173441	3524-3522		COAL	70.00	71.00
TM17RC-18	3510	173442	3524-3522		COAL	71.00	72.00
TM17RC-18	3511	173443	3524-3522		COAL	72.00	73.00
TM17RC-18	3512	173444	3524-3522		COAL	73.00	74.00
TM17RC-18	3513	173445	3524-3522		COAL	74.00	75.00
TM17RC-18	3514	173446	3524-3522		COAL	75.00	76.00
TM17RC-18	3515	173447	3524-3522		COAL	76.00	77.00
TM17RC-18	3516	173448	3524-3522		COAL	77.00	78.00
TM17RC-18	3517	173449	3524-3522		COAL	78.00	79.00
TM17RC-18	3518	173450	3524-3522		COAL	79.00	80.00
TM17RC-18	3519	173451	3524-3522		COAL	80.00	81.00
TM17RC-18	3520	173452	3524-3522		COAL	85.00	86.00
TM17RC-18	3521	173453	3524-3522		COAL	86.00	87.00
TM17RC-18	3522	173454	3524-3522		COAL	87.00	88.00
TM17RC-18	3523	173455			COAL	88.00	89.00
TM17RC-20	21898	172532	21898-21899	36717	COAL	37.00	38.00
TM17RC-20	21899	172533	21898-21899		COAL	38.00	39.00
TM17RC-20	21900	172534	21900-03060	36718	COAL	67.00	68.00
TM17RC-20	3051	172535	21900-03060		COAL	68.00	69.00
TM17RC-20	3052	172536	21900-03060		COAL	69.00	70.00
TM17RC-20	3053	172537	21900-03060		COAL	70.00	71.00
TM17RC-20	3054	172538	21900-03060		COAL	71.00	72.00
TM17RC-20	3055	172539	21900-03060		COAL	72.00	73.00
TM17RC-20	3056	172540	21900-03060		COAL	73.00	74.00
TM17RC-20	3057	172541	21900-03060		COAL	74.00	75.00
TM17RC-20	3058	172542	21900-03060		COAL	75.00	76.00
TM17RC-20	3059	172543	21900-03060		COAL	76.00	77.00
TM17RC-20	3060	172544	21900-03060		COAL	77.00	78.00
TM17RC-20	3061	172545			COAL	78.00	79.00
TM17RC-21	21876	172512	21876-21879	36687	COAL	135.50	136.00
TM17RC-21	21877	172513	21876-21879		COAL	136.00	137.00
TM17RC-21	21878	172514	21876-21879		COAL	137.00	138.00
TM17RC-21	21879	172515	21876-21879		COAL	138.00	139.00
TM17RC-21	21880	172516	21880-21885	36688	COAL	174.00	175.00
TM17RC-21	21881	172517	21880-21885		COAL	175.00	176.00
TM17RC-21	21882	172518	21880-21885		COAL	176.00	177.00
TM17RC-21	21883	172519	21880-21885		COAL	177.00	178.00
TM17RC-21	21884	172520	21880-21885		COAL	178.00	179.00

TM17RC-21	21885	172521	21880-21885		COAL	179.00	179.50
TM17RC-21	21886	172522	21886-21890	36689	COAL	251.00	252.00
TM17RC-21	21887	172523	21886-21890		COAL	252.00	253.00
TM17RC-21	21890	172524	21886-21890		COAL	253.00	254.00
TM17RC-21	21891	172525			COAL	254.00	255.00
TM17RC-21	21892	172526			COAL	255.00	256.00
TM17RC-21	21893	172527	21893-21896	36690	COAL	264.50	265.50
TM17RC-21	21894	172528	21893-21896		COAL	265.50	266.00
TM17RC-21	21895	172529	21893-21896		COAL	267.00	268.00
TM17RC-21	21896	172530	21893-21896		COAL	268.00	269.00
TM17RC-21	21897	172531			COAL	269.00	269.50
TM17RC-22	21766	172486			HANGINGWALL	125.00	126.00
TM17RC-22	21767	172487			COAL	126.00	127.00
TM17RC-22	21768	172488			COAL	127.00	128.00
TM17RC-22	21769	172489			COAL	128.00	129.00
TM17RC-22	21770	172490			COAL	129.00	130.00
TM17RC-22	21771	172491			COAL	130.00	131.00
TM17RC-22	21772	172492			COAL	131.00	132.00
TM17RC-22	21773	172493			COAL	132.00	133.00
TM17RC-22	21774	172494			COAL	133.00	134.00
TM17RC-22	21775	172495			COAL	134.00	135.00
TM17RC-22	21776	172496			COAL	135.00	136.00
TM17RC-22	21777	172497			COAL	136.00	137.00
TM17RC-22	21778	172498			COAL	137.00	138.00
TM17RC-22	21779	172499			COAL	138.00	139.00
TM17RC-22	21780	172500			COAL	139.00	140.00
TM17RC-22	21781	172501			COAL	140.00	141.00
TM17RC-22	21782	172502			COAL	141.00	142.00
TM17RC-22	21783	172503			COAL	142.00	143.00
TM17RC-22	21784	172504			COAL	143.00	144.00
TM17RC-22	21785	172439			COAL	144.00	145.00
TM17RC-22	21786	172440			COAL	159.00	161.00
TM17RC-22	3194	172770			COAL	210.00	211.00
TM17RC-22	3195	172771	3195-3206	36623	COAL	235.00	236.00
TM17RC-22	3196	172772	3195-3206		COAL	236.00	237.00
TM17RC-22	3197	172773	3195-3206		COAL	237.00	238.00
TM17RC-22	3198	172774	3195-3206		COAL	238.00	239.00
TM17RC-22	3199	172775	3195-3206		COAL	242.00	243.00
TM17RC-22	3200	172776	3195-3206		COAL	243.00	244.00
TM17RC-22	3201	172777	3195-3206		COAL	244.00	245.00

TM17RC-22	3202	172778	3195-3206		COAL	245.00	246.00
TM17RC-22	3203	172779	3195-3206		COAL	246.00	247.00
TM17RC-22	3204	172780	3195-3206		COAL	247.00	248.00
TM17RC-22	3205	172781	3195-3206		COAL	248.00	249.00
TM17RC-22	3206	172782	3195-3206		COAL	249.00	250.00
TM17RC-22	3207	172783			COAL	250.00	251.00
TM17RC-23	3179	172754	3179-3180	36917	COAL	60.50	61.50
TM17RC-23	3180	172755	3179-3180		COAL	61.50	62.00
TM17RC-23	3181	172756			COAL	174.00	175.00
TM17RC-23	3182	172757	3182-3182	36919	COAL	194.50	195.50
TM17RC-23	3183	172758	3183-3193	36918	COAL	222.00	223.00
TM17RC-23	3184	172759	3183-3193		COAL	223.00	224.00
TM17RC-23	3185	172760	3183-3193		COAL	224.00	225.00
TM17RC-23	3186	172761	3183-3193		COAL	225.00	226.00
TM17RC-23	3187	172762	3183-3193		COAL	226.00	227.00
TM17RC-23	3188	172763	3183-3193		COAL	227.00	228.00
TM17RC-23	3189	172764	3183-3193		COAL	228.00	229.00
TM17RC-23	3190	172765	3183-3193		COAL	229.00	230.00
TM17RC-23	3191	172766	3183-3193		COAL	230.00	231.00
TM17RC-23	3192	172767	3183-3193		COAL	231.00	232.00
TM17RC-23	3193	172768	3183-3193		COAL	232.00	233.00
TM17RC-24	3527	173459	3527-3529	36980	INTERBURDEN	152.00	153.00
TM17RC-24	3528	173460	3527-3529		INTERBURDEN	153.00	154.00
TM17RC-24	3529	173461	3527-3529		INTERBURDEN	154.00	155.00
TM17RC-24	3530	173462	3530-3536	36981	COAL	175.00	176.00
TM17RC-24	3531	173463	3530-3536		COAL	176.00	177.00
TM17RC-24	3532	173464	3530-3536		COAL	177.00	178.00
TM17RC-24	3533	173465	3530-3536		COAL	178.00	179.00
TM17RC-24	3534	173466	3530-3536		COAL	179.00	180.00
TM17RC-24	3535	173467	3530-3536		COAL	180.00	181.00
TM17RC-24	3536	173468	3530-3536		COAL	181.00	182.00
TM17RC-24	3537	173469	3537-3550	36982	COAL	187.00	188.00
TM17RC-24	3538	173470	3537-3550		COAL	188.00	189.00
TM17RC-24	3539	173471	3537-3550		COAL	189.00	190.00
TM17RC-24	3540	173472	3537-3550		COAL	190.00	191.00
TM17RC-24	3541	173473	3537-3550		COAL	191.00	192.00
TM17RC-24	3542	173474	3537-3550		COAL	192.00	193.00
TM17RC-24	3543	173475	3537-3550		COAL	193.00	194.00
TM17RC-24	3544	173476	3537-3550		COAL	194.00	195.00
TM17RC-24	3545	173477	3537-3550		COAL	195.00	196.00

TM17RC-24	3546	173478	3537-3550		COAL	196.00	197.00
TM17RC-24	3547	173479	3537-3550		COAL	197.00	198.00
TM17RC-24	3548	173480	3537-3550		COAL	198.00	199.00
TM17RC-24	3549	173481	3537-3550		COAL	199.00	200.00
TM17RC-24	3550	173482	3537-3550		COAL	200.00	201.00
TM17RC-24	3551	173483	3551-3572	36983	COAL	201.00	202.00
TM17RC-24	3552	173484	3551-3572		COAL	202.00	203.00
TM17RC-24	3553	173485	3551-3572		COAL	203.00	204.00
TM17RC-24	3554	173486	3551-3572		COAL	204.00	205.00
TM17RC-24	3555	173487	3551-3572		COAL	205.00	206.00
TM17RC-24	3556	173488	3551-3572		COAL	206.00	207.00
TM17RC-24	3557	173489	3551-3572		COAL	207.00	208.00
TM17RC-24	3558	173490	3551-3572		COAL	208.00	209.00
TM17RC-24	3559	173491	3551-3572		COAL	209.00	210.00
TM17RC-24	3560	173492	3551-3572		COAL	210.00	211.00
TM17RC-24	3561	173493	3551-3572		COAL	211.00	212.00
TM17RC-24	3562	173494	3551-3572		COAL	212.00	213.00
TM17RC-24	3563	173495	3551-3572		COAL	213.00	214.00
TM17RC-24	3564	173496	3551-3572		COAL	214.00	215.00
TM17RC-24	3565	173497	3551-3572		COAL	215.00	216.00
TM17RC-24	3566	173498	3551-3572		COAL	216.00	217.00
TM17RC-24	3567	173499	3551-3572		COAL	217.00	218.00
TM17RC-24	3568	173500	3551-3572		COAL	218.00	219.00
TM17RC-24	3569	173501	3551-3572		COAL	219.00	220.00
TM17RC-24	3570	173502	3551-3572		COAL	220.00	221.00
TM17RC-24	3571	173503	3551-3572		COAL	221.00	222.00
TM17RC-24	3572	173504	3551-3572		COAL	222.00	223.00
TM17RC-25	21787	172441			COAL	58.70	59.70
TM17RC-25	21788	172442			COAL	59.70	60.70
TM17RC-25	21789	172443			COAL	60.70	61.70
TM17RC-25	21790	172444			COAL	64.50	65.50
TM17RC-25	21791	172445			COAL	65.50	66.50
TM17RC-25	21792	172446			COAL	66.50	67.50
TM17RC-25	21794	172447	21794-21798	36624	COAL	129.00	130.00
TM17RC-25	21795	172448	21794-21798		COAL	130.00	131.00
TM17RC-25	21796	172449	21794-21798		COAL	131.00	132.00
TM17RC-25	21797	172450	21794-21798		COAL	132.00	133.00
TM17RC-25	21798	172451	21794-21798		COAL	133.00	134.00
TM17RC-26	3208	172936	3208-3224	36968	COAL	36.00	37.00
TM17RC-26	3209	172937	3208-3224		COAL	37.00	38.00

TM17RC-26	3210	172938	3208-3224		COAL	38.00	39.00
TM17RC-26	3211	172939	3208-3224		COAL	39.00	40.00
TM17RC-26	3212	172940	3208-3224		COAL	40.00	41.00
TM17RC-26	3213	172941	3208-3224		COAL	41.00	42.00
TM17RC-26	3214	172942	3208-3224		COAL	42.00	43.00
TM17RC-26	3215	172943	3208-3224		COAL	43.00	44.00
TM17RC-26	3216	172944	3208-3224		COAL	44.00	45.00
TM17RC-26	3217	172945	3208-3224		COAL	45.00	46.00
TM17RC-26	3218	172946	3208-3224		COAL	46.00	47.00
TM17RC-26	3219	172947	3208-3224		COAL	47.00	48.00
TM17RC-26	3220	172948	3208-3224		COAL	48.00	49.00
TM17RC-26	3221	172949	3208-3224		COAL	49.00	50.00
TM17RC-26	3222	172950	3208-3224		COAL	50.00	51.00
TM17RC-26	3223	172951	3208-3224		COAL	51.00	52.00
TM17RC-26	3224	172952	3208-3224		COAL	52.00	53.00
TM17RC-26	3225	172953			INTERBURDEN	53.00	53.50
TM17RC-26	3226	172954	3226-3227	36969	COAL	140.20	140.80
TM17RC-26	3227	172955	3226-3227		INTERBURDEN	140.80	141.80
TM17RC-28	3648	173580	3648-3652	37258	COAL	27.00	28.00
TM17RC-28	3649	173581	3648-3652		COAL	28.00	29.00
TM17RC-28	3650	173582	3648-3652		COAL	29.00	30.00
TM17RC-28	3651	173583	3648-3652		COAL	30.00	31.00
TM17RC-28	3652	173584	3648-3652		COAL	31.00	32.00
TM17RC-29	3653	173585	3653-3657	37259	COAL	24.50	25.00
TM17RC-29	3654	173586	3653-3657		COAL	25.00	26.00
TM17RC-29	3655	173587	3653-3657		COAL	26.00	27.00
TM17RC-29	3656	173588	3653-3657		COAL	27.00	28.00
TM17RC-29	3657	173589	3653-3657		COAL	28.00	28.50
TM17RC-30	3663	173595	3663-3666	37261	COAL	23.00	24.00
TM17RC-30	3664	173596	3663-3666		COAL	24.00	25.00
TM17RC-30	3665	173597	3663-3666		COAL	25.00	26.00
TM17RC-30	3666	173598	3663-3666		COAL	26.00	27.00
TM17RC-31	3096	172769			COAL	11.50	12.50
TM17RC-32	3075	172546			COAL	16.00	17.00
TM17RC-32	3076	172547			COAL	17.00	17.50
TM17RC-32	3077	172548	3077-3080	36719	COAL	37.00	38.00
TM17RC-32	3078	172549	3077-3080		COAL	38.00	39.00
TM17RC-32	3079	172550	3077-3080		COAL	39.00	40.00
TM17RC-32	3080	172551	3077-3080		COAL	40.00	41.00
TM17RC-32	3081	172552			COAL	41.00	42.00

TM17RC-32	3082	172553	3082-3083	36720	COAL	46.00	47.00
TM17RC-32	3083	172554	3082-3083		COAL	47.00	48.00
TM17RC-32	3084	172555			COAL	48.00	49.00
TM17RC-33	3608	173540	3608-3613	37252	COAL	9.00	10.00
TM17RC-33	3609	173541	3608-3613		COAL	10.00	11.00
TM17RC-33	3610	173542	3608-3613		COAL	11.00	12.00
TM17RC-33	3611	173543	3608-3613		COAL	12.00	13.00
TM17RC-33	3612	173544	3608-3613		COAL	13.00	14.00
TM17RC-33	3613	173545	3608-3613		COAL	14.00	15.00
TM17RC-33	3614	173546			COAL	17.00	18.00
TM17RC-33	3615	173547			COAL	20.00	21.00
TM17RC-33	3616	173548			COAL	21.00	22.00
TM17RC-33	3617	173549			COAL	27.00	28.00
TM17RC-33	3618	173550			COAL	28.00	29.00
TM17RC-33	3619	173551			COAL	29.00	29.50
TM17RC-33	3620	173552	3620-3625	37253	COAL	31.00	32.00
TM17RC-33	3621	173553	3620-3625		COAL	32.00	33.00
TM17RC-33	3622	173554	3620-3625		COAL	33.00	34.00
TM17RC-33	3623	173555	3620-3625		COAL	34.00	35.00
TM17RC-33	3624	173556	3620-3625		COAL	35.00	36.00
TM17RC-33	3625	173557	3620-3625		COAL	36.00	37.00
TM17RC-33	3626	173558	3626-3632	37254	COAL	45.50	46.00
TM17RC-33	3627	173559	3626-3632		COAL	46.00	47.00
TM17RC-33	3628	173560	3626-3632		COAL	47.00	48.00
TM17RC-33	3629	173561	3626-3632		COAL	48.00	49.00
TM17RC-33	3630	173562	3626-3632		COAL	49.00	50.00
TM17RC-33	3631	173563	3626-3632		COAL	50.00	51.00
TM17RC-33	3632	173564	3626-3632		COAL	51.00	52.00
TM17RC-34	3633	173565	3633-3638	37255	COAL	9.00	10.00
TM17RC-34	3634	173566	3633-3638		COAL	10.00	11.00
TM17RC-34	3635	173567	3633-3638		COAL	11.00	12.00
TM17RC-34	3636	173568	3633-3638		COAL	12.00	13.00
TM17RC-34	3637	173569	3633-3638		COAL	13.00	14.00
TM17RC-34	3638	173570	3633-3638		COAL	14.00	14.50
TM17RC-34	3639	173571	3639-3644	37256	COAL	17.00	18.00
TM17RC-34	3640	173572	3639-3644		COAL	18.00	18.50
TM17RC-34	3641	173573	3639-3644		COAL	19.00	20.00
TM17RC-34	3642	173574	3639-3644		COAL	20.00	21.00
TM17RC-34	3643	173575	3639-3644		COAL	21.00	22.00
TM17RC-34	3644	173576	3639-3644		COAL	22.00	22.50

TM17RC-35	21825	172627			HANGINGWALL	53.00	55.00
TM17RC-35	21826	172628	21826-21841	36908	COAL	55.00	56.00
TM17RC-35	21827	172629	21826-21841		COAL	56.00	57.00
TM17RC-35	21828	172630	21826-21841		COAL	57.00	58.00
TM17RC-35	21829	172631	21826-21841		COAL	58.00	59.00
TM17RC-35	21830	172632	21826-21841		COAL	59.00	60.00
TM17RC-35	21831	172633	21826-21841		COAL	60.00	61.00
TM17RC-35	21832	172634	21826-21841		COAL	61.00	62.00
TM17RC-35	21833	172635	21826-21841		COAL	62.00	63.00
TM17RC-35	21834	172636	21826-21841		COAL	63.00	64.00
TM17RC-35	21835	172637	21826-21841		COAL	64.00	65.00
TM17RC-35	21836	172638	21826-21841		COAL	65.00	66.00
TM17RC-35	21837	172639	21826-21841		PARTING	66.00	67.00
TM17RC-35	21838	172640	21826-21841		COAL	67.00	68.00
TM17RC-35	21839	172641	21826-21841		COAL	68.00	69.00
TM17RC-35	21840	172642	21826-21841		COAL	69.00	70.00
TM17RC-35	21841	172643	21826-21841		COAL	70.00	71.00
TM17RC-35	21842	172644			FOOTWALL	71.00	72.00
TM17RC-35	21843	172645			COAL	86.00	87.00
TM17RC-35	21844	172646			COAL	87.00	88.00
TM17RC-35	21845	172647			COAL	88.00	89.00
TM17RC-35	21846	172648			COAL	89.00	90.00
TM17RC-35	21847	172649			COAL	126.00	127.00
TM17RC-35	21848	172650			COAL	127.00	128.00
TM17RC-35	21849	172651			COAL	151.00	152.00
TM17RC-35	21850	172652	21850-21853	36909	COAL	152.00	153.00
TM17RC-35	21851	172653	21850-21853		COAL	153.00	154.00
TM17RC-35	21852	172654	21850-21853		COAL	154.00	155.00
TM17RC-35	21853	172655	21850-21853		COAL	155.00	156.00
TM17RC-35	21854	172656			FOOTWALL	156.00	157.00
TM17RC-35	21855	172657			FOOTWALL	157.00	158.00
TM17RC-35	21856	172658			COAL	181.00	182.00
TM17RC-35	21857	172659			COAL	182.00	183.00
TM17RC-35	21858	172660			PARTING	183.00	184.00
TM17RC-35	21859	172661			PARTING	184.00	185.00
TM17RC-35	21860	172662	21860-21873	36910	COAL	185.00	186.00
TM17RC-35	21861	172663	21860-21873		COAL	186.00	187.00
TM17RC-35	21862	172664	21860-21873		COAL	187.00	188.00
TM17RC-35	21863	172665	21860-21873		COAL	188.00	189.00
TM17RC-35	21864	172666	21860-21873		COAL	189.00	190.00

TM17RC-35	21865	172667	21860-21873		COAL	190.00	191.00
TM17RC-35	21866	172668	21860-21873		COAL	191.00	192.00
TM17RC-35	21867	172669	21860-21873		COAL	192.00	193.00
TM17RC-35	21868	172670	21860-21873		COAL	193.00	194.00
TM17RC-35	21869	172671	21860-21873		COAL	194.00	195.00
TM17RC-35	21870	172672	21860-21873		COAL	195.00	196.00
TM17RC-35	21871	172673	21860-21873		COAL	196.00	197.00
TM17RC-35	21872	172674	21860-21873		COAL	197.00	198.00
TM17RC-35	21873	172675	21860-21873		COAL	198.00	199.00
TM17RC-35	21874	172676			FOOTWALL	199.00	200.00
TM17RC-35	21875	172677			COAL	224.00	225.00

Large Diameter Core Samples

Hole	Sample ID	Birtley ID	Composite ID	Pearson ID	Sample Type	From (m)	To (m)
TM17CC-01	3672	173043	3672-3672		HANGINGWALL	29.89	30.19
TM17CC-01	3673	173044	3673-3676	36497	COAL	30.19	30.57
TM17CC-01	3674	173045	3673-3676		COAL	30.67	31.70
TM17CC-01	3675	173046	3673-3676		COAL	31.70	32.68
TM17CC-01	3676	173047	3673-3676		COAL	32.70	33.53
TM17CC-01	3677	173048	3677-3677		FOOTWALL	33.81	34.74
TM17CC-01	3678	173049			FOOTWALL	34.75	35.10
TM17CC-02	3679	173050			HANGINGWALL	9.99	10.34
TM17CC-02	3680	173051			COAL	10.34	10.54
TM17CC-02	3681	173052			FOOTWALL	10.54	10.88
TM17CC-02	3682	173053	3682-3682		HANGINGWALL	12.19	12.53
TM17CC-02	3683	173054	3683-3683		COAL	12.53	13.54
TM17CC-02	3684	173055	3684-3685		FOOTWALL	13.54	13.68
TM17CC-02	3685	173056	3684-3685		HANGINGWALL	13.68	13.88
TM17CC-02	3686	173057	3686-3695	36691	COAL	13.88	14.69
TM17CC-02	3687	173058	3686-3695		COAL	14.69	14.98
TM17CC-02	3688	173059	3686-3695		COAL	14.99	15.57
TM17CC-02	3689	173060	3686-3695		COAL	15.57	16.21
TM17CC-02	3690	173061	3686-3695		COAL	16.21	16.89
TM17CC-02	3691	173062	3686-3695		COAL	16.91	17.97
TM17CC-02	3692	173063	3686-3695		COAL	17.97	19.00
TM17CC-02	3693	173064	3686-3695		COAL	19.00	19.91
TM17CC-02	3694	173065	3686-3695		PARTING	19.92	20.50
TM17CC-02	3695	173066	3686-3695		COAL	20.50	21.41
TM17CC-02	3696	173067	3696-3696		COAL	21.41	22.10
TM17CC-02	3697	173068			FOOTWALL	22.10	22.40
TM17CC-02	3698	173069			HANGINGWALL	25.34	25.64

TM17CC-02	3699	173070			COAL	25.64	26.02
TM17CC-02	3700	173071			FOOTWALL	26.02	26.52
TM17CC-02	3801	173072			HANGINGWALL	26.52	27.01
TM17CC-02	3802	173073	3802-3802		COAL	27.01	27.55
TM17CC-02	3803	173074	3803-3806	36692	COAL	27.55	29.15
TM17CC-02	3804	173075	3803-3806		COAL	29.15	29.91
TM17CC-02	3805	173076	3803-3806		COAL	29.91	30.66
TM17CC-02	3806	173077	3803-3806		COAL	30.66	31.41
TM17CC-02	3807	173078	3807-3807		COAL	31.41	32.45
TM17CC-02	3808	173079	3808-3808		PARTING	32.45	32.70
TM17CC-02	3809	173080			COAL	32.70	33.14
TM17CC-02	3810	173081			FOOTWALL	33.14	33.58
TM17CC-02	3811	173082			HANGINGWALL	40.33	40.66
TM17CC-02	3812	173083	3812-3812		HANGINGWALL	40.66	41.01
TM17CC-02	3813	173084	3813-3815		COAL	41.01	41.71
TM17CC-02	3814	173085	3813-3815		PARTING	41.71	41.85
TM17CC-02	3815	173086	3813-3815		COAL	41.85	42.15
TM17CC-02	3816	173087	3816-3820	36721	COAL	42.15	43.11
TM17CC-02	3817	173088	3816-3820		COAL	43.11	43.84
TM17CC-02	3818	173089	3816-3820		COAL	43.84	44.84
TM17CC-02	3819	173090	3816-3820		COAL	44.84	45.25
TM17CC-02	3820	173091	3816-3820		COAL	45.26	45.55
TM17CC-02	3821	173092	3821-3821		FOOTWALL	45.55	45.88
TM17CC-02	3822	173093			PARTING	45.88	46.37
TM17CC-02	3823	173094			PARTING	46.37	46.91
TM17CC-02	3824	173095			PARTING	46.91	47.32
TM17CC-02	3825	173096	3825-3825		PARTING	47.32	47.65
TM17CC-02	3826	173097	3826-3832	36722	COAL	47.65	48.43
TM17CC-02	3827	173098	3826-3832		COAL	48.43	49.24
TM17CC-02	3828	173099	3826-3832		PARTING	49.24	49.43
TM17CC-02	3829	173100	3826-3832		COAL	49.43	49.78
TM17CC-02	3830	173101	3826-3832		COAL	49.78	50.05
TM17CC-02	3831	173102	3826-3832		PARTING	50.05	50.21
TM17CC-02	3832	173103	3826-3832		COAL	50.21	50.67
TM17CC-02	3833	173104	3833-3833		PARTING	50.67	50.97
TM17CC-02	3834	173105			HANGINGWALL	53.81	54.11
TM17CC-02	3835	173106			COAL	54.11	54.33
TM17CC-02	3836	173107			FOOTWALL	54.33	54.63
TM17CC-02	3837	173108	3837-3837		HANGINGWALL	59.15	59.45
TM17CC-02	3838	173109	3838-3838		COAL	59.45	59.80

TM17CC-02	3839	173110	3839-3843	36723	COAL	60.29	61.29
TM17CC-02	3840	173111	3839-3843		COAL	61.67	62.82
TM17CC-02	3841	173112	3839-3843		COAL	62.82	63.87
TM17CC-02	3842	173113	3839-3843		PARTING	63.88	64.25
TM17CC-02	3843	173114	3839-3843		COAL	64.25	65.31
TM17CC-02	3844	173115	3844-3844		COAL	65.31	65.79
TM17CC-02	3845	173116			FOOTWALL	65.79	66.08
TM17CC-02	3846	173117			HANGINGWALL	67.09	67.57
TM17CC-02	3847	173118	3847-3849		COAL	67.57	68.46
TM17CC-02	3848	173119	3847-3849		FOOTWALL	68.46	68.89
TM17CC-02	3849	173120	3847-3849		HANGINGWALL	71.03	71.33
TM17CC-02	3850	173121	3850-3851	37492	COAL	71.47	72.07
TM17CC-02	3851	173122	3850-3851		COAL	72.07	72.67
TM17CC-02	3852	173123			FOOTWALL	72.67	72.92
TM17CC-03	3853	173367			COAL	22.48	23.11
TM17CC-03	3854	173368			FOOTWALL	23.11	23.41
TM17CC-04	3886	173400	3886-3886		HANGINGWALL	34.47	34.83
TM17CC-04	3887	173401	3887-3891	36754	COAL	34.83	35.11
TM17CC-04	3888	173402	3887-3891		PARTING	35.11	35.51
TM17CC-04	3889	173403	3887-3891		COAL	35.51	36.24
TM17CC-04	3890	173404	3887-3891		COAL	36.24	36.64
TM17CC-04	3891	173405	3887-3891		COAL	36.64	36.99
TM17CC-04	3892	173406	3892-3892		FOOTWALL	36.99	37.54
TM17CC-04	3893	173407	3893-3897	36755	COAL	65.60	65.73
TM17CC-04	3894	173408	3893-3897		COAL	65.73	66.40
TM17CC-04	3895	173409	3893-3897		COAL	66.70	67.35
TM17CC-04	3896	173410	3893-3897		COAL	67.35	68.01
TM17CC-04	3897	173411	3893-3897		COAL	68.01	68.63
TM17CC-04	3898	173412	3898-3900		FOOTWALL	68.64	69.06
TM17CC-04	3899	173413	3898-3900		PARTING	69.07	69.32
TM17CC-04	3900	173414	3898-3900		PARTING	69.32	69.54
TM17CC-04	3905	173415	3905-3907	36756	COAL	69.55	70.50
TM17CC-04	3906	173416	3905-3907		COAL	70.65	71.65
TM17CC-04	3907	173417	3905-3907		PARTING	71.65	72.15
TM17CC-04	3908	173418	3908-3909		PARTING	72.15	72.51
TM17CC-04	3909	173419	3908-3909		PARTING	72.51	73.51
TM17CC-04	3910	173420	3910-3915	36757	COAL	73.51	74.30
TM17CC-04	3911	173421	3910-3915		COAL	74.30	74.88
TM17CC-04	3912	173422	3910-3915		COAL	74.88	75.58
TM17CC-04	3913	173423	3910-3915		COAL	75.59	76.17

TM17CC-04	3914	173424	3910-3915		COAL	76.17	77.00
TM17CC-04	3915	173425	3910-3915		COAL	77.01	77.55
TM17CC-04	3916	173426	3916-3916		FOOTWALL	77.55	77.85
TM17CC-05	3917	173643	3917-3917		HANGINGWALL	70.93	71.23
TM17CC-05	3918	173644	3918-3920	37493	COAL	71.50	71.98
TM17CC-05	3919	173645	3918-3920		COAL	72.00	72.80
TM17CC-05	3920	173646	3918-3920		COAL	73.15	73.87
TM17CC-05	3921	173647	3921-3921		FOOTWALL	73.87	74.17
TM17CC-05	3922	173648	3922-3922		HANGINGWALL	130.16	130.59
TM17CC-05	3923	173649	3923-3927	36813	COAL	130.59	131.01
TM17CC-05	3924	173650	3923-3927		COAL	131.15	132.08
TM17CC-05	3925	173651	3923-3927		COAL	132.08	132.58
TM17CC-05	3926	173652	3923-3927		COAL	132.63	132.72
TM17CC-05	3927	173653	3923-3927		COAL	132.72	133.14
TM17CC-05	3928	173654	3928-3928		COAL	133.14	133.43
TM17CC-05	3929	173655	3929-3929		FOOTWALL	133.43	133.73
TM17CC-05	3930	173656	3930-3930		HANGINGWALL	148.11	148.39
TM17CC-05	3931	173657	3931-3932		COAL	148.39	149.07
TM17CC-05	3932	173658	3931-3932		COAL	149.45	150.10
TM17CC-05	3933	173659	3933-3943	36814	COAL	150.95	151.65
TM17CC-05	3934	173660	3933-3943		COAL	151.65	152.35
TM17CC-05	3935	173661	3933-3943		COAL	152.50	153.15
TM17CC-05	3936	173662	3933-3943		COAL	153.15	153.75
TM17CC-05	3937	173663	3933-3943		COAL	154.00	154.65
TM17CC-05	3938	173664	3933-3943		COAL	154.65	155.25
TM17CC-05	3939	173665	3933-3943		COAL	157.05	157.37
TM17CC-05	3940	173666	3933-3943		COAL	157.55	158.21
TM17CC-05	3941	173667	3933-3943		COAL	158.55	159.06
TM17CC-05	3942	173668	3933-3943		COAL	159.06	159.57
TM17CC-05	3943	173669	3933-3943		COAL	160.05	160.31
TM17CC-05	3944	173670	3944-3946		FOOTWALL	161.73	162.30
TM17CC-05	3945	173671	3944-3946		PARTING	162.30	162.65
TM17CC-05	3946	173672	3944-3946		HANGINGWALL	162.66	163.03
TM17CC-05	3947	173673	3947-3950	36815	COAL	163.03	163.35
TM17CC-05	3948	173674	3947-3950		COAL	164.70	165.40
TM17CC-05	3949	173675	3947-3950		PARTING	165.40	165.58
TM17CC-05	3950	173676	3947-3950		COAL	166.47	167.37
TM17CC-05	3951	173677	3951-3951		PARTING	167.37	167.78
TM17CC-05	3952	173678	3952-3953	36816	COAL	167.93	168.61
TM17CC-05	3953	173679	3952-3953		COAL	168.61	169.19

TM17CC-05	3954	173680	3954-3955		PARTING	169.54	169.96
TM17CC-05	3955	173681	3954-3955		PARTING	169.96	170.43
TM17CC-05	3956	173682	3956-3964	36817	COAL	170.43	170.88
TM17CC-05	3957	173683	3956-3964		FOOTWALL	170.89	171.28
TM17CC-05	3958	173684	3956-3964		HANGINGWALL	172.12	172.45
TM17CC-05	3959	173685	3956-3964		COAL	172.45	173.09
TM17CC-05	3960	173686	3956-3964		PARTING	173.09	173.31
TM17CC-05	3961	173687	3956-3964		COAL	173.31	174.05
TM17CC-05	3962	173688	3956-3964		COAL	174.05	174.69
TM17CC-05	3963	173689	3956-3964		COAL	174.69	175.37
TM17CC-05	3964	173690	3956-3964		COAL	175.37	176.01
TM17CC-05	3965	173691	3965-3965		FOOTWALL	176.01	176.31
TM17CC-06	3966	173755	3966-3966		HANGINGWALL	23.04	23.37
TM17CC-06	3967	173756	3967-3971	36818	COAL	23.37	24.26
TM17CC-06	3968	173757	3967-3971		COAL	24.26	24.97
TM17CC-06	3969	173758	3967-3971		COAL	24.97	25.68
TM17CC-06	3970	173759	3967-3971		COAL	25.68	26.26
TM17CC-06	3971	173760	3967-3971		FOOTWALL	26.26	26.53
TM17CC-06	3972	173761	3972-3972		HANGINGWALL	51.86	52.16
TM17CC-06	3973	173762	3973-3977	36819	COAL	52.27	52.87
TM17CC-06	3974	173763	3973-3977		COAL	52.87	53.41
TM17CC-06	3975	173764	3973-3977		COAL	53.41	54.26
TM17CC-06	3976	173765	3973-3977		COAL	54.26	55.11
TM17CC-06	3977	173766	3973-3977		COAL	55.83	56.13
TM17CC-06	3978	173767	3978-3979		FOOTWALL	56.13	56.36
TM17CC-06	3979	173768	3978-3979		HANGINGWALL	56.36	57.03
TM17CC-06	3980	173769	3980-3980	37491	COAL	57.03	58.19
TM17CC-06	3981	173770	3981-3982		FOOTWALL	58.19	58.49
TM17CC-06	3982	173771	3981-3982		HANGINGWALL	58.49	59.55
TM17CC-06	3983	173772	3983-3990	36820	COAL	59.55	60.44
TM17CC-06	3984	173773	3983-3990		COAL	60.45	60.84
TM17CC-06	3985	173774	3983-3990		COAL	60.85	61.58
TM17CC-06	3986	173775	3983-3990		COAL	61.58	62.33
TM17CC-06	3987	173776	3983-3990		COAL	62.33	63.10
TM17CC-06	3988	173777	3983-3990		COAL	63.10	63.92
TM17CC-06	3989	173778	3983-3990		COAL	63.92	64.65
TM17CC-06	3990	173779	3983-3990		COAL	64.65	65.37
TM17CC-06	3991	173780	3991-3991		COAL	65.37	66.03
TM17CC-06	3992	173781	3992-3996	36821	COAL	66.03	66.73
TM17CC-06	3993	173782	3992-3996		COAL	66.73	67.31

TM17CC-06	3994	173783	3992-3996		PARTING	67.31	67.91
TM17CC-06	3995	173784	3992-3996		COAL	67.91	68.58
TM17CC-06	3996	173785	3992-3996		COAL	68.58	68.83
TM17CC-06	3997	173786	3997-3998		PARTING	68.83	69.21
TM17CC-06	3998	173787	3997-3998		PARTING	69.21	69.59
TM17CC-06	3999	173788	03999-26301	36822	COAL	69.59	70.10
TM17CC-06	4000	173789	03999-26301		COAL	70.12	70.73
TM17CC-06	26301	173790	03999-26301		COAL	70.73	71.25
TM17CC-06	26302	173791	26302-26302		FOOTWALL	71.25	71.78
TM17CC-07	3855	173369	3855-3855		HANGINGWALL	25.15	25.49
TM17CC-07	3856	173370	3856-3857	36771	COAL	25.49	26.37
TM17CC-07	3857	173371	3856-3857		COAL	26.37	26.99
TM17CC-07	3858	173372	3858-3859		COAL	26.99	27.49
TM17CC-07	3859	173373	3858-3859		COAL	27.54	28.21
TM17CC-07	3860	173374	3860-3860		FOOTWALL	28.21	28.51
TM17CC-07	3861	173375	3861-3861		HANGINGWALL	57.52	57.95
TM17CC-07	3862	173376	3862-3862		COAL	57.95	58.85
TM17CC-07	3863	173377	3863-3870	36772	COAL	59.31	59.65
TM17CC-07	3864	173378	3863-3870		COAL	59.65	60.33
TM17CC-07	3865	173379	3863-3870		COAL	60.33	60.54
TM17CC-07	3866	173380	3863-3870		COAL	60.54	61.11
TM17CC-07	3867	173381	3863-3870		COAL	61.11	61.85
TM17CC-07	3868	173382	3863-3870		COAL	61.85	62.61
TM17CC-07	3869	173383	3863-3870		COAL	62.61	63.35
TM17CC-07	3870	173384	3863-3870		COAL	63.35	64.11
TM17CC-07	3871	173385	3871-3871		FOOTWALL	64.11	64.83
TM17CC-07	3872	173386			HANGINGWALL	68.12	68.45
TM17CC-07	3873	173387	3873-3873	37490	COAL	68.45	69.01
TM17CC-07	3874	173388			FOOTWALL	69.01	69.35
TM17CC-07	3875	173389	3875-3875		HANGINGWALL	71.14	71.48
TM17CC-07	3876	173390	3876-3884	36773	COAL	71.48	71.67
TM17CC-07	3877	173391	3876-3884		COAL	71.67	72.14
TM17CC-07	3878	173392	3876-3884		COAL	72.14	72.53
TM17CC-07	3879	173393	3876-3884		COAL	72.54	73.15
TM17CC-07	3880	173394	3876-3884		COAL	73.15	73.76
TM17CC-07	3881	173395	3876-3884		COAL	73.78	74.41
TM17CC-07	3882	173396	3876-3884		COAL	74.41	75.39
TM17CC-07	3883	173397	3876-3884		PARTING	75.39	75.69
TM17CC-07	3884	173398	3876-3884		COAL	75.69	76.91
TM17CC-07	3885	173399	3885-3885		FOOTWALL	76.91	77.21

Appendix E - Analytical and Processing Guidelines

Receiving
Check that all samples received correspond to the sample sheet provided by sampling geologist.
Weigh each sample in bag, as received, and record weights on shipping manifest. Return completed manifest to client.
All samples must remain in cold storage when not undergoing processing.

Raw Ply Samples
On commencement, lay samples out to dry. If necessary, gently break intact core to ARD apparatus dimensions.
Report Mass (ar), Mass (ad), and Free Moisture.
Screen at 2mm. Report proportions of +2mm and -2mm material. Report ARD on +2mm fraction.
Recombine +2mm and -2mm fractions.

Compositing
Combine full mass of Raw Ply samples into Raw Composite as instructed.
Assign new Sample ID to Raw Composite as indicated by client.

Crush to pass -12.5mm

Head Raw Analysis
Undertake a raw coal analysis on a representative portion of the crushed coal
Analyse for Proximates, Total Sulphur, FSI, Relative Density, and MAA.

Sizing
Screen three size fractions and report sizing: -12.5+2mm, -2+0.25mm, -0.25+0mm

Recombine -12.5+2mm and -2+0.25mm size fractions
into one size fraction -12.5+0.25mm.

Washability
Complete float sink on -12.5mm+0.25mm size fraction.
Float sink each increment at 1.40, 1.50, 1.60 densities.
Analyse each density increment for proximates.
Analyse each density increment up to and including F1.60 for FSI.
On a -0.25mm fraction, undertake starvation flotation.
Report masses for all froths and tails.
Recombine fractions 1C, 2C, 3C into one fraction. Analyze proximates and FSI.
Recombine fractions 4C, 3T, 2T, 1T into one fraction. Analyze proximates
Reserve all materials for future work.

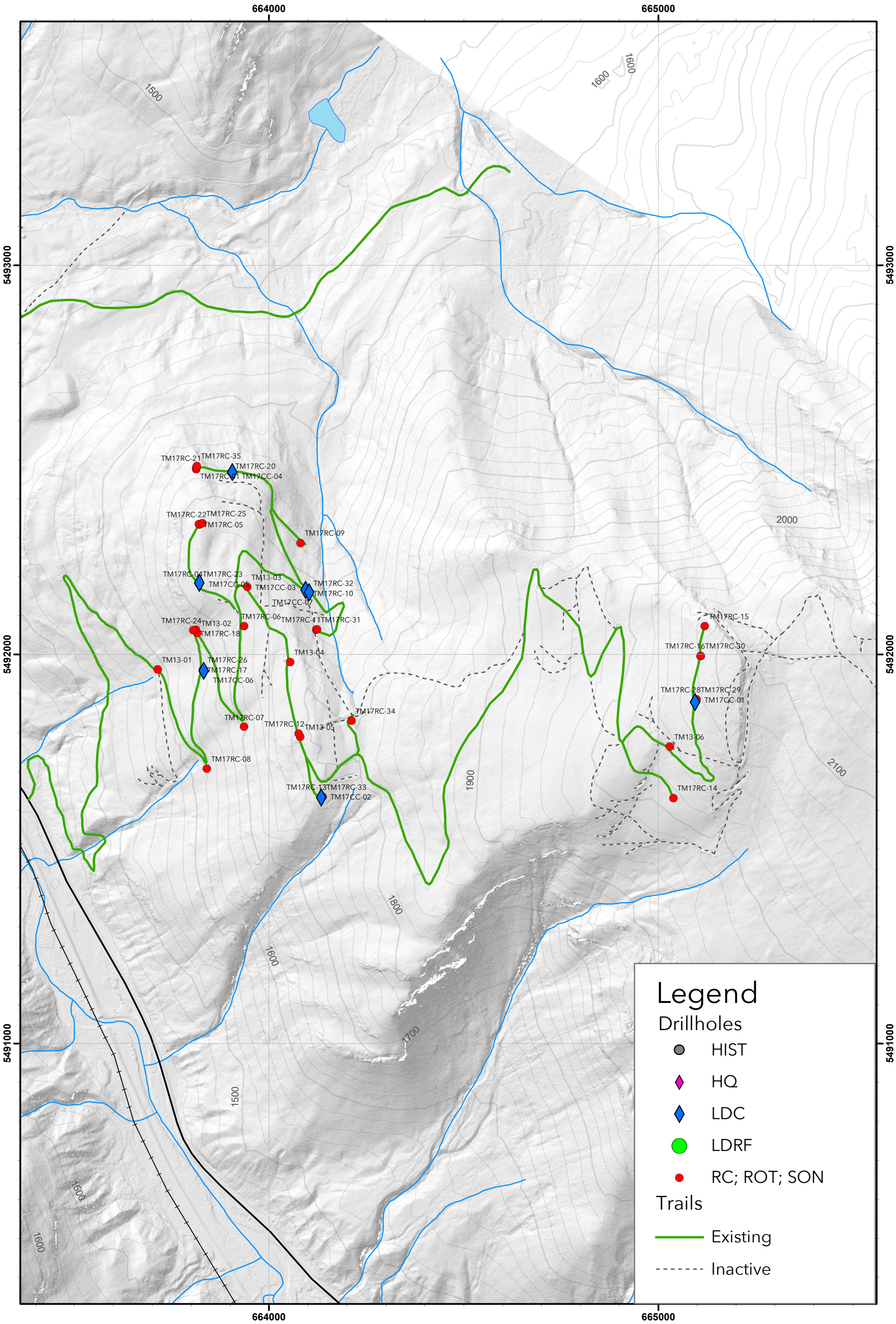
Clean Coal Composite
Instructions will be provided on the construction of Clean Composite.
Produce sufficient clean sample for the tests indicated below. **No bulk wash required.**
Assign new Sample ID to Clean Composite as indicated by client.
Analyse for the following:

- Proximate Analysis
- Total Sulphur
- FSI
- GCV
- HGI
- Ultimate Analysis
- MAA including Pcoal
- Gieseler Fluidity
- Dilatation

Ship 100g subsample to Pearson Petrography (Vitrinite Reflectance and Macerals)

Appendix F – Statement of Costs

Budget Items	Contractor	TM Total $
Drilling	Good Earth	835,720.00
Technical Services	Century Wireline	157,511.00
	Silenus Resources Mgt Inc.	110,243.00
	Bob Leach	6,126.00
	Vast Resources	2,212.50
	Align Surveys	3,000.00
Analytical	Birtley Coal & Mineral Testing	265,125.00
	Pearson & Assoc	21,300.00
Heavy Equipment	Fiorentino Bros	83,858.00
	Tru Cut	56,730.00
	Cdn Culvert	5,711.00
Safety	TruCut	86,085.00
Licenses	MEM	2,919.00
Personnel	IF Consulting Ltd.	23,653.00
	Next Resources Inc.	19,796.00
	AMEC - modeling	14,280.00
Miscellaneous	Manitoulin Transport	7,109.00
	Cameron Enterprises	2,236.00
	Other	2,018.00
		1,705,632.50



N

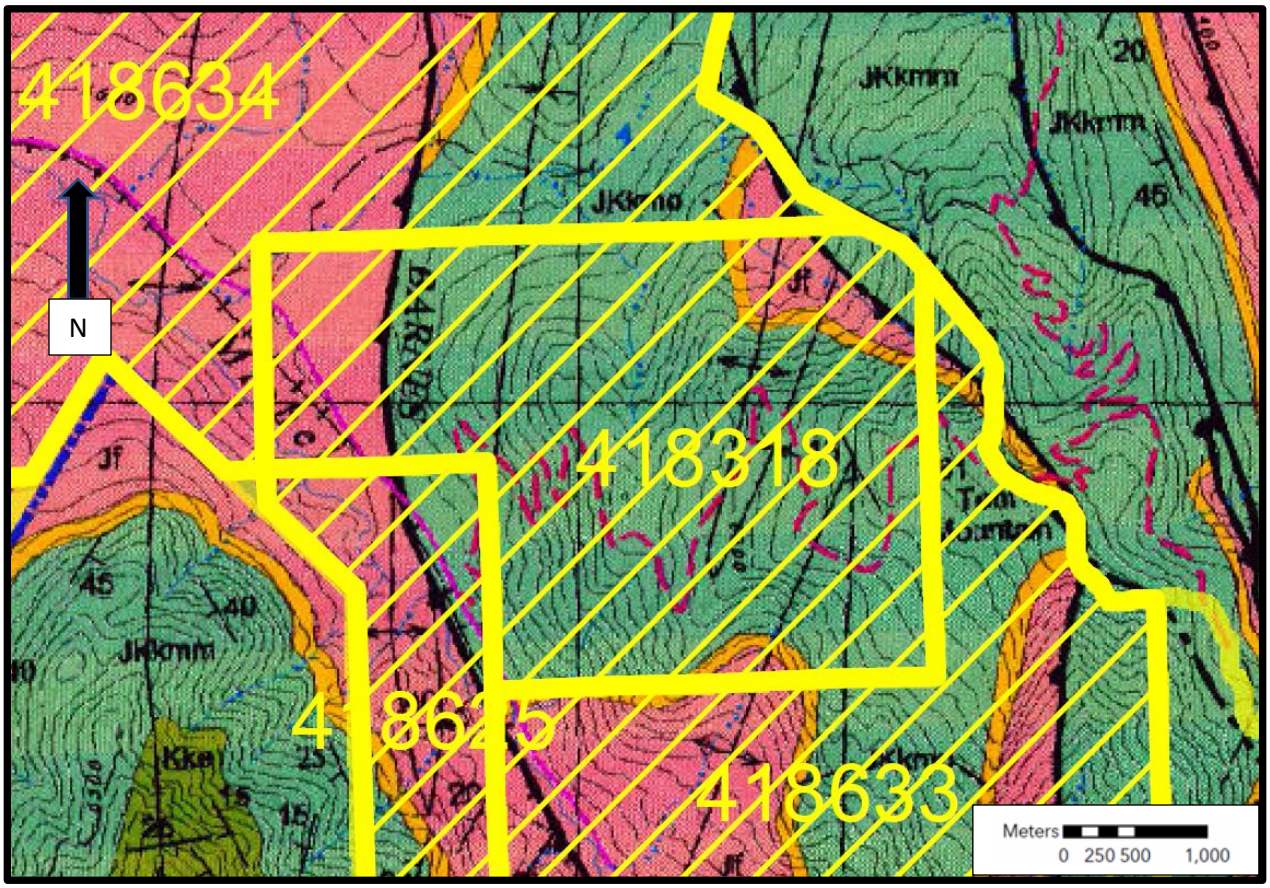
North Coal Limited
Tent Mountain
Completed Works December 2017

1:8960.34
NAD 1983 UTM Zone 11N

Meters
0 50 100 200 300 400

Author: RLO
Date: 2018-01-26
E:\GIS\maps\operations\2018\20180123_Completed_Drillhole.mxd

Tent Mountain Regional Geology Map (from GSC Open File 3549, 1998)



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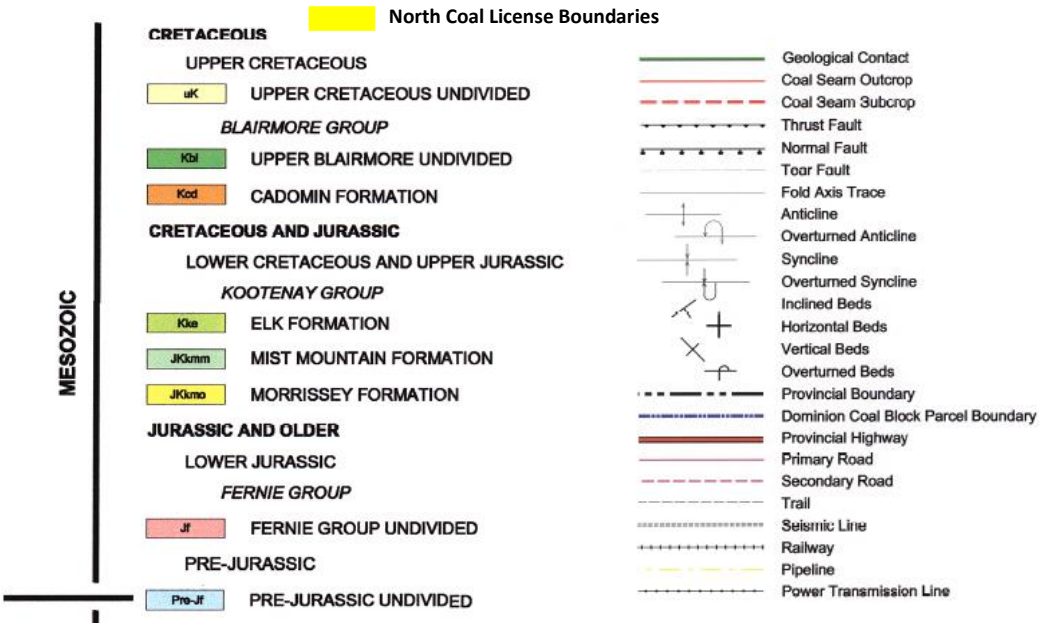

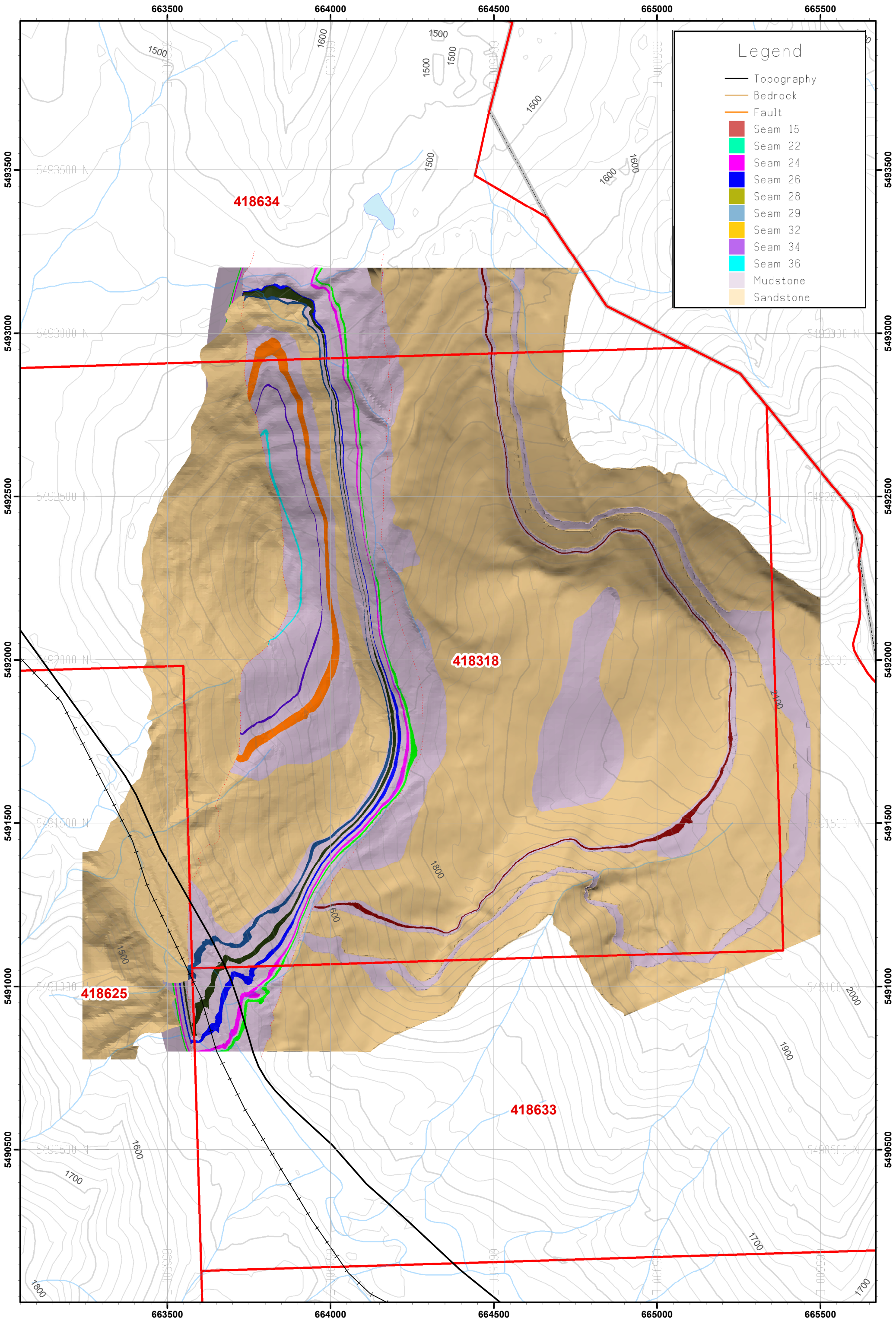

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NAD 1983 UTM Zone 11N

Author: TJS
Date: 2018-04-09
E:\GIS\maps\models\TM17\TM17 Geology 20180409.mxd
Model version: TM17 2018-01-26

wood. NORTH COAL

Tent Mountain Geology, Interpreted
(TM17 Model)