COAL ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: Assessment Report: 2016 Michel Head Exploration Program

TOTAL COST: $622,782

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

Dave Thompson

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

Mines Act Permit CX-5-018, Approval #13-1630658-0625, issued June 25, 2013

YEAR OF WORK: 2016

PROPERTY NAME: Michel Creek Coking Coal Project: Michel Head Property

COAL LICENSE(S) AND/OR LEASES ON WHICH PHYSICAL WORK WAS DONE:
Coal Licence #418317

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Fort Steele
NTS / BCGS: 82G
LATITUDE: ____49_____° _____30_____ ’ _____30_____"
LONGITUDE: _____114_____° _____43_____ ’ _____00____" (at centre of work)
UTM Zone: NAD83 11 EASTING: 665000 NORTHING: 5486500

OWNER(S): CanAus Coal Ltd.

MAILING ADDRESS: 5000 HWY 43, Sparwood, BC V0B 2G1

OPERATOR(S) [who paid for the work]: CanAus Coal Ltd.

MAILING ADDRESS: 5000 HWY 43, Sparwood, BC V0B 2G1

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**)

Jurassic, Cretaceous, Mist Mountain Formation, Coal

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

Assessment Report: 2014 Michel Head Exploration Program

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	13 holes	
	Gamma, Resistivity,	616m	418317
	Resistivity	616m	418317
	Caliper	616m	418317
	Deviation	616m	418317
	Dip		
	Others (specify)		
DRILLING			
13	Core	616m	418317
	Non-Core	0	418317
SAMPLING AND ANALYSES			
17	Proximate	2 seams + blend	418317
17	Ultimate	2 seams + blend	418317
5	Petrographic	2 seams + blend	418317
5	Vitrinite reflectance	2 seams + blend	418317
2	Coking	1 seam + blend	418317
17	Wash tests	2 seams + blend	418317
PROSPECTING (scale/area)			
PREPARATORY/PHYSICAL			
Line/grid (km)			
Trench (number, metres)			
Bulk sample(s)			

Part of Section 1, all of Section 6, 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

2016 Michel Head Exploration Program

Owner and Operator: CanAus Coal Ltd.

Authorship: ***Dave Thompson, P.Geo.***
Chief Geologist, CanAus Coal Ltd.

January 2017

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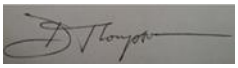
SIGNATURE(S): 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):
CX-5-018, Approval #13-1630658-0625, issued June 25, 2013

YEAR OF WORK: 2016
PROPERTY NAME: Michel Creek Coking Coal Project, Michel Head Property
CLAIM NAME(S) (on which work was done): Coal Licence #418317

COMMODITIES SOUGHT: Coal

MINING DIVISION: FORT STEELE
NTS / BCGS: 82G/10E and 7E
LATITUDE: 49° 30' 30" N
LONGITUDE: 114° 43' 00" W (at centre of work)
UTM Zone: 11 EASTING: 665,000m NORTHING: 5,486,500m

OWNER(S): CanAus Coal Limited

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

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

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

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: Assessment Report: 2014 Michel Head Exploration Program

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1 Introduction and Summary

This report describes the exploration work conducted on the Michel Head property owned by CanAus Coal Ltd. (CanAus) in the Michel Creek area near Sparwood, BC (Figure 1.1).

The Michel Head property was geologically mapped by Kaiser Resources in 1972. No known coal exploration drilling was undertaken, although one historical drillhole casing was located on the property.

In 2013, exploration conducted by CanAus on Michel Head included 23 reverse circulation holes and two large diameter core holes. Samples were taken during the reverse circulation geology drilling which were used to map coal seam rank variability. The large diameter core was analyzed for detailed washability and coking coal characteristics. [redacted]

The 2014 Exploration Program on Michel Head fulfilled the requirements of a pre-feasibility study and included 15 reverse circulation holes, four large diameter core holes (as well as two pilot holes for coring), and four HQ3 core holes. Coal samples from the large diameter holes were analyzed for detailed sizing, washability and coking coal characteristics. [redacted]

The 2016 program included the collection of coal samples from 13 large diameter (15cm) core holes on Coal License 418317. Approximately 4320kg of coal was collected from the two main target seams: MH9 and MH10. The samples were processed in a pilot plant in Golden, Colorado and carbonized at Canmet Energy Labs in Ottawa, Ontario.

[redacted]

Figure 1.1 Location Plan

2 Property and Location

2.1 Ownership

Mineral rights are wholly owned by CanAus Coal Ltd. Surface rights are held by Jemi Fibre Corp. as part of their free-hold Tent Mountain Block 21. There are no oil and gas drilling activities on the property.

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

2.2 Property

The approximate centre point of the Michel Head property is 5,486,500N and 665,000E (UTM NAD 83). The Michel Head property, held by CanAus, represents one coal license, 418317 (Table 2.2.1). A location map shows information on the license (Figure 2.2.1).

Table 2.2.1 Michel Head Property Coal License

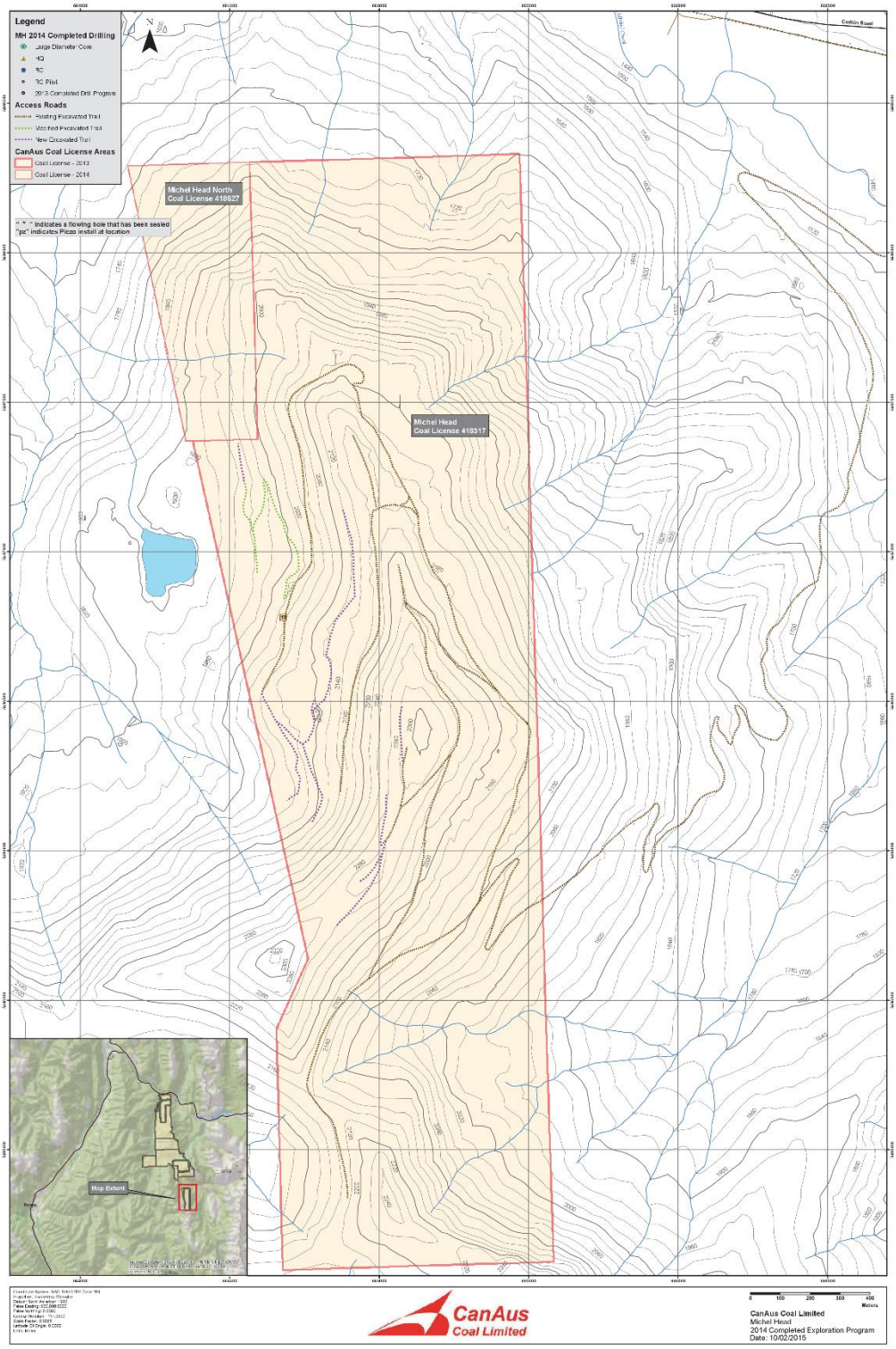
Coal Licence	Property Name	Approx. Area (ha)
418317	Michel Head	342
Total Area		**342**

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 Michel Head property as the light yellow area. Elevations range from ~1,400m along Michel Creek to a height of 2,300m on Michel Head. Michel Head has generally thin tree cover.

The Michel Head property is located 4km west of the Coal Mountain coal mine owned and operated by Teck Coal Ltd.

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.

Figure 2.2.1 – License Plan



2.3 Location and Access

The Michel Creek Coking Coal Project 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 Michel Head property is a further 19km south. A network of logging and exploration trails on the property are utilized for drilling access.

3 Program Overview

3.1 Goals and Parameters

The 2016 exploration program was intended to gather sufficient coal samples from Seams 9 and 10 (MH9, MH10) to evaluate the individual seam qualities as well as determine potential seam blend products through carbonization testing.

3.2 History

Exploration in the Michel Creek area began in the late nineteenth century. The Crow's Nest Pass Coal Company began its operations in the area in 1897 and in 1908, mining at Coal Mountain, 4km east of the Michel Head Property. However, the first exploration documented in B.C. government assessment reports for the area was in 1971.

In 1972, Kaiser completed a program of road building, geological mapping and sampling in the area, which they called Taylor Mountain East, now called the Michel Head project area. In 1973, Kaiser continued the program to the south with the Taylor Mountain South program of road building, geological mapping and coal outcrop sampling. The 1970's work by Kaiser Resources on the Michel Head property, now held by CanAus, resulted in a preliminary resource estimate for this area indicating 30.1Mt.

In 2013, exploration conducted by CanAus on Michel Head included 23 reverse circulation drillholes, for a total of 2,932m and two large diameter (15cm) sonic core holes, for a total of 94.53m. These were the first recorded drillholes on the property. Samples were taken during the reverse circulation geology drilling which were used to map coal seam rank variability. The large diameter core was analyzed for detailed washability and coking coal characteristics. A 3D resource model was prepared and a resource estimate was calculated.

In 2014, 15 reverse circulation geology drillholes, 2 reverse circulation pilot drillholes for large diameter coring, 4 large diameter (15cm) core holes and 4 HQ3 (6.1cm) core holes were completed, to confirm and expand on the 2013 and historic data. A total of 3304m of drilling was completed, including 2511m of reverse circulation holes, 524m of HQ3 core holes and 269m of large diameter core holes.

No work was completed on the property in 2015.

3.3 2016 Drilling

In 2016, a total of 13 large diameter (15cm) core holes were completed on Coal License 418317 at two locations. The large diameter core holes were drilled to collect coal samples for carbonization testing. A total of 616m of drilling was completed (Figure 3.3.1 and Table 3.3.1).

All of the 2016 drill holes were geophysically logged with open-hole density and deviation tools.

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

Figure 3.3.1 Michel Head Exploration Plan

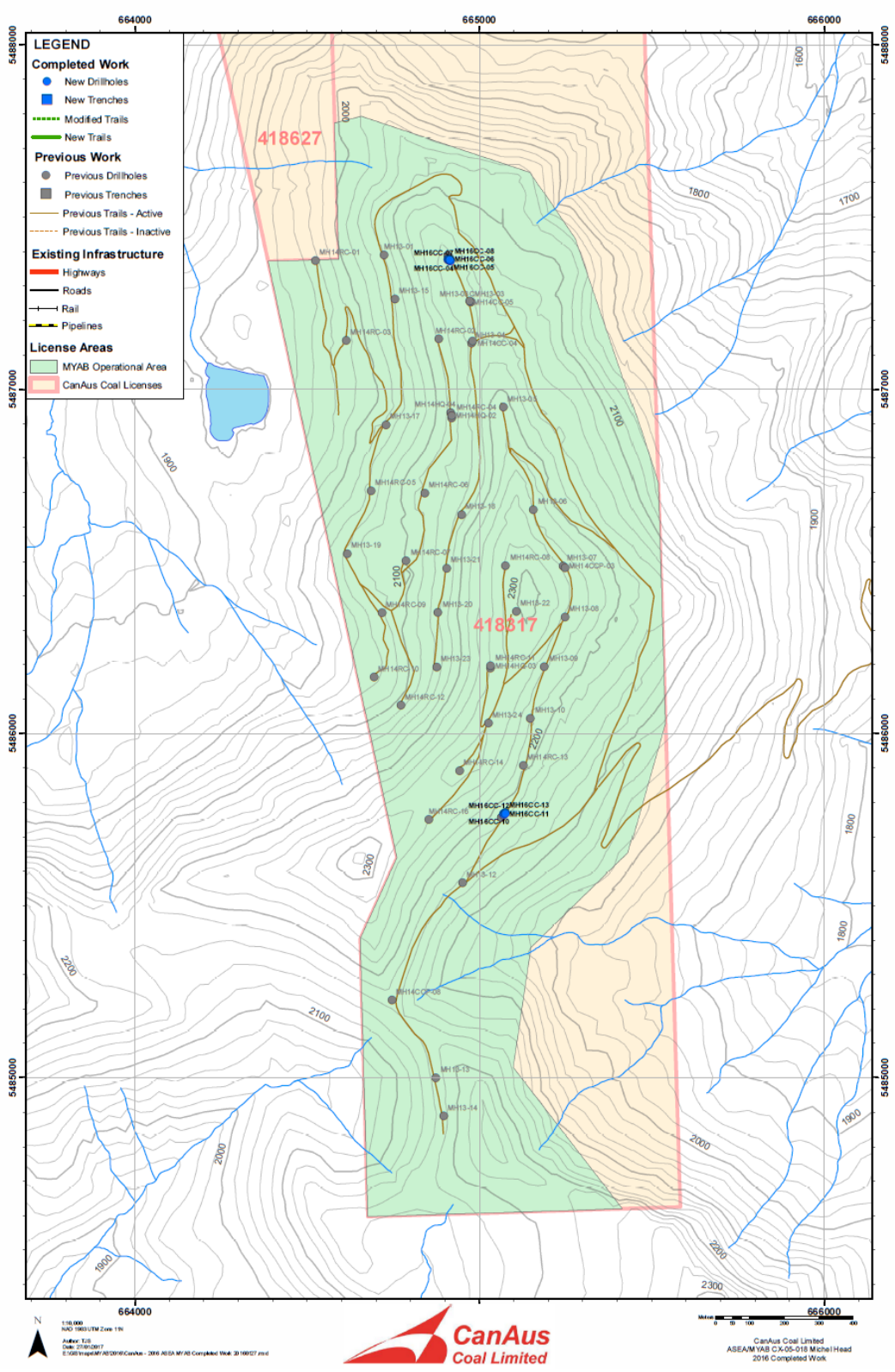


Table 3.3.1 Drillhole Locations

Hole ID	Type	Seam	Easting	Northing	Elevation	Depth	Azimuth	Dip
MH16CC-01	LDC	MH10	664909	5487377	2159	45	0	-90
MH16CC-02	LDC	MH10	664911	5487379	2159	44	0	-90
MH16CC-03	LDC	MH10	664913	5487376	2159	41	0	-90
MH16CC-04	LDC	MH10	664911	5487374	2159	43	0	-90
MH16CC-05	LDC	MH10	664913	5487373	2159	44	0	-90
MH16CC-06	LDC	MH10	664915	5487375	2159	42	0	-90
MH16CC-07	LDC	MH10	664916	5487373	2159	42	0	-90
MH16CC-08	LDC	MH10	664915	5487377	2159	41	0	-90
MH16CC-09	LDC	MH9	665069	5485767	2179	56	0	-90
MH16CC-10	LDC	MH9	665072	5485769	2179	56	0	-90
MH16CC-11	LDC	MH9	665074	5485771	2179	54	0	-90
MH16CC-12	LDC	MH9	665073	5485766	2179	54	0	-90
MH16CC-13	LDC	MH9	665075	5485768	2179	55	0	-90
MH Total						**616**		

4 2016 Exploration Work

4.1 Drilling

During June and July a total 616m of large diameter (15cm) core drilling was completed.

Good Earth Drilling Services Ltd. of Airdrie, Alberta completed all of the drilling.

Good Earth Drilling Services Ltd. mobilized to the site on June 21 and completed 13 large diameter core holes totaling 616m by July 14.

All 2016 drill holes were cased with welded-joint steel casing. The casing was left in the holes and the holes left open.

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 (#9058) and with a gamma/density/resistivity/caliper tool (#9239).

All holes were logged within a few days of drilling.

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

All of the 2016 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. 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 Large Diameter Core Sampling

Thirteen large diameter (15cm) core (LDC) drill holes were completed at two locations to collect samples of Seams 9 and 10 (MH9, MH10) for pilot scale wash and carbonization testing. Approximately 4320kg (wet) of coal was collected in total (Table 4.4.1). The core was logged and sampled on-site during drilling. The samples were sealed in heavy gauge plastic bags and immediately stored in an on-site refrigerated container which was subsequently shipped to Hazen Research Inc. in Golden, Colorado for pilot scale washing. Hazen Research completed the washing from July to September 2016, with sub-samples from each stage of the wash 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. The bulk of the resultant wash products were blended and shipped from Hazen Research to Canmet Energy in Ottawa, Ontario, with smaller blended product samples flown to ALS Ipswich in Australia in October for carbonization testing. Analytical results from Birtley Labs and Pearson Petrography are shown in Appendix D.

Table 4.4.1 Sampling Summary

Property	Seam	# Holes	Metres	Coal (kg)	Coal (m)
Michel Head	MH9	5	274	3003	125
	MH10	8	342	1317	53
	Totals	**13**	**616**	**4320**	**178**

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).

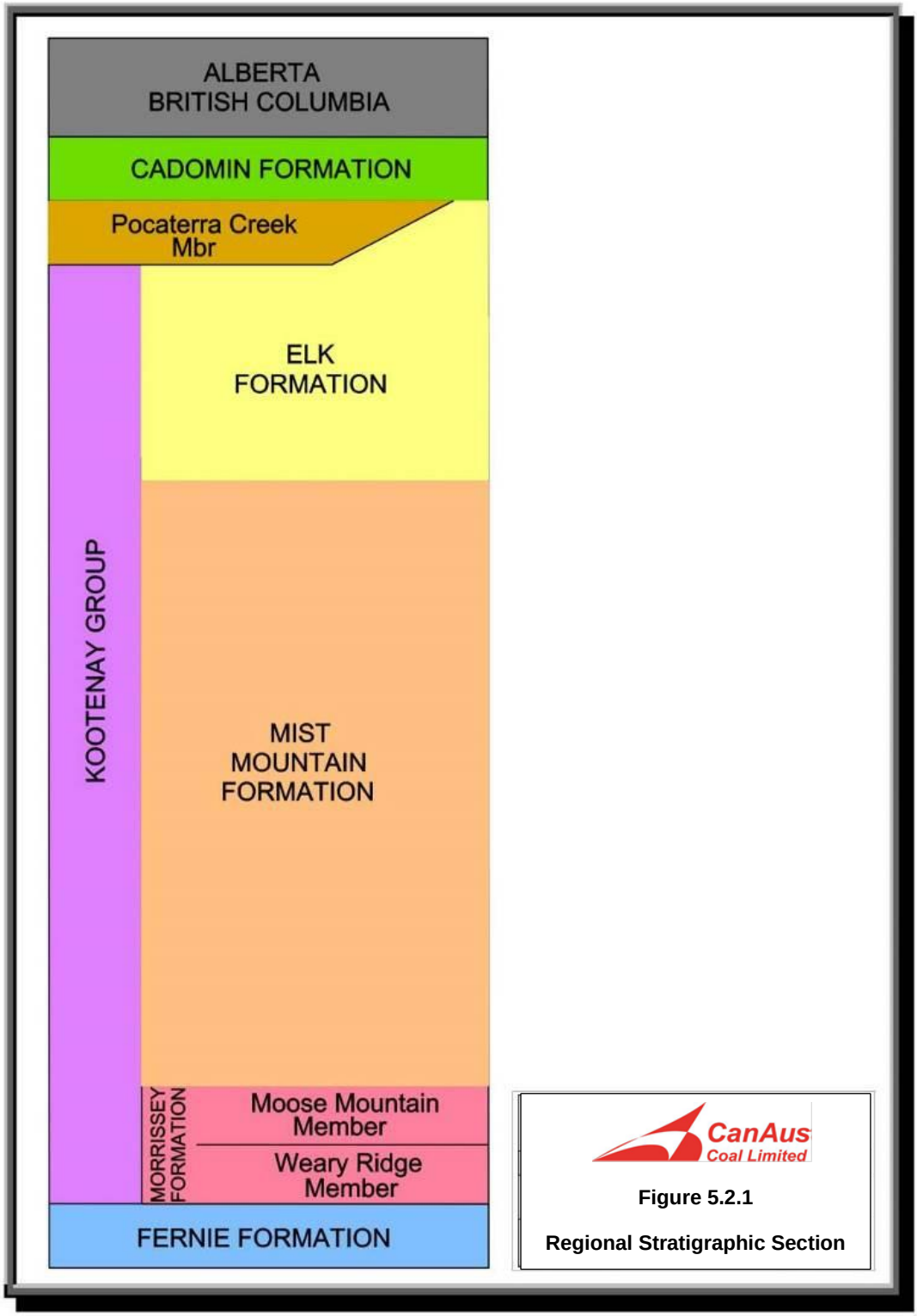
The Kootenay Group of the Rocky Mountain Foothills and Front Ranges encompasses the stratigraphic interval between the Jurassic Fernie Group below and the Lower Cretaceous Blairmore Group above (Gibson, 1985).

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 Michel Head. The section shows eight coal seams within a section approximately 150m thick. The east Michel Creek/Mount Taylor area is somewhat anomalous in that the lower portion of the Mist Mountain Formation is dominated by up to four major sandstone horizons. Gibson, 1985, has measured a section on Mt. Taylor (west of Michel Head) which shows the Mist Mountain Formation to be just over 400m thick, but there is 190m between the top of the Fernie Group and the first important coal seam.

The drilling on Michel Head has identified a total of ten coal seams, though only eight seams report as resources as some seams are too thin, while others are intermittent. 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

Michel Head is on the east side of the Erickson normal fault, with the coal-bearing Mist Mountain Formation represented as an outlier thrust sheet forming Michel Head, Mount Taylor, and Tent Mountain. Michel Head has been interpreted as a simple dip-slope.

The 2014 drilling took place principally within the Mist Mountain Formation, through the coal-bearing section. Ten major coal seams from 4 to 12, are present and several subsidiary seams have been identified. Seam nomenclature is consistent with that of other mines in the area. The 2014 work permitted average thicknesses of the coal seams to be calculated over the entire deposit (Table 5.3.1).

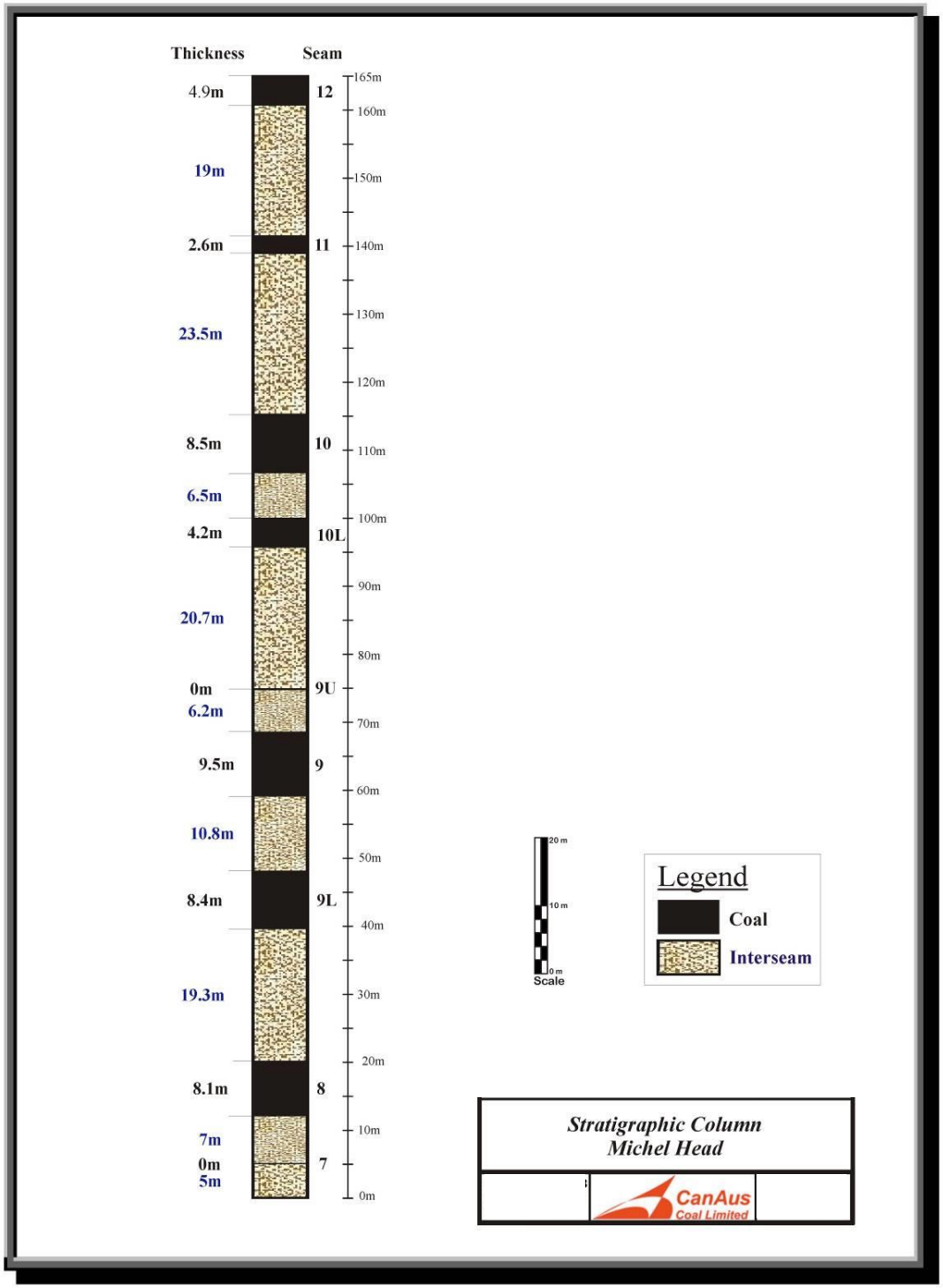
Overburden cover is generally minimal, ranging from a few centimetres thick in the exposed sub-alpine areas of the property to a few metres in the lower forested areas.

The data gathered in 2013 and 2014 assisted in the placement of drill holes in 2016.

Table 5.3.1 Michel Head Seam Data

Seam	Intercepts	Minimum (m)	Maximum (m)	Average (m)
12	5	3.34	6.92	4.85
11	12	0.11	4.59	2.65
10	38	0.56	33.18	8.5
10L	29	0.08	16.51	4.18
9U	25	0.04	4.7	0.93
9	47	0.15	29.49	9.52
9L	42	0.84	16.3	8.4
8	14	5.43	12.97	8.09
7	1	0.38	0.38	0.38
4	1	3.88	3.88	3.88

Figure 5.3.1 Typical Stratigraphic Section



7 Reclamation

CanAus 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 further 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 2016 was via existing exploration and forestry trails, as described in Section 2.3. During 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.

No drill trails or pads were constructed on Michel Head in 2016. Steeper trails were temporarily deactivated with cross-ditches.

8 Expenditures

Actual expenditure for this work during the period June through December, 2016 was $622,782. Major expense items are included in Table 8.1.

Table 8.1 Expenditures

Major Budget Items	
Drilling	$ 290,631
Technical Services	$48,020
Analytical	$175,772
Heavy Equipment	$5,726
Safety	$14,280
Licences and Permits	$43,725
Personnel	$13,260
Miscellaneous	$31,368
Total	**$622,782**

Details are presented in Appendix F.

9 Conclusions

The 2016 Michel Head exploration program accomplished the goal of collecting enough coal samples of Seams 9 and 10 (MH9, MH10) to conduct full coal quality analysis and carbonization testing on the individual seams and potential blends.

Approximately 4320kg of coal was collected from 13 large diameter (15cm) core drillholes. The coal was processed in a pilot scale wash facility and the clean coal was analyzed for coking coal properties and carbonization qualities. The results for coking coal properties indicate the potential for a hard coking coal product similar to other coals of similar rank produced in the Elk Valley region. Further sampling of the primary seams using 15cm core in new locations is recommended to improve the coal quality understanding across the deposit.

10 References

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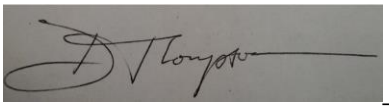
11 Statement of Qualifications

I, David A. Thompson, BSc, P.Geo., of 14-2656 Morningstar Crescent, Vancouver BC V5S 4P4, do hereby certify that:

1. I am Chief Geologist for CanAus 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 sixteen years since my graduation from university.
5. My past experience includes eleven 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: 2016 Michel Head Exploration Program" dated 31 January, 2017.
7. I was on site for the entirety of the 2016 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 January, 2017.



Dave Thompson, P.Geo.
CanAus 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 Coal Limited

Lithological Core Logging Codes and Abbreviations

Definition Sheet

Code/Abbreviation	Definition
CGL	Conglomerate
SST	Sandstone
SLT	Siltstone
CLY	Claystone
SHL	Shale
MST/MS	Mudstone
CMST/CM	Carbonaceous mudstone
BC/BN	Boney Coal
SC	Shaley coal
CO/C	Coal
LMST	Limestone
OVB	Overburden
CL	Core loss
PY	Pyrite
CARB	Carbonates
VNLTS	Veinlets
BCN/CN	Bedding to core normal
TCA	To core axis
HW	Hanging wall
FW	Foot wall
EOH	End of hole

CanAus Coal Ltd.

Large Diameter (6") Core Description

Hole:	**MH16CC-01**																	
Northing:	5487380.000			**UTM System:**	NAD83				**Hole Orientation:**	Vertical			**Property:**	**Loop Ridge**		**Cased to:**	18m	
Easting:	**664913**								**Hole Type:**	6 inch/15cm core			**Seam:**	**10.00**		**Core point:**	**31m**	
Elevation:	**2159m**												**Total Depth:**	**45.41**				
									Logged by:	HE			**Date:**	**July 6/7 2016**				

	Driller's Depths					Corrected Depths												
				Recovered					Recovered				Sample Mass		Lith Code	Seam	Acid Test	
Run #	From	To	Interval	m	%	From	To	Interval	m	%	BCN	Sample #	(kg)	Core Quality			Fizz Y/N?	Description
																		6m of casing originally set, then hole became unstable at around 15m, so more casing was sunk to a depth of 18m.
1	31.00	32.00	1.00	1.05	105%			0.00	1.05									
	31.00	32.00	1.00	1.05	105%			0.00	1.05					B/I	CM/MST		N	Mostly solid and intact, brown/grey.
2	32.00	33.30	1.30	1.26	97%			0.00	1.26									
	32.00	33.26	1.26	1.26	100%			0.00	1.26					B/I	CM/MST		N	2cm carb/coaly stringer near bottom - not sampled.
	33.26	33.30	0.04	0.00	0%										LO			
3	33.30	34.80	1.50	1.55	103%			0.00	1.55									
	33.30	34.80	1.50	1.55	103%			0.00	1.55					B/I	MST		N	Sulfur smell, orange colouring in MST (iron?), sheared at top, broken in shoe.
4	34.80	36.36	1.56	1.56	100%			0.00	1.56									
	34.80	35.07	0.27	0.27	100%			0.00	0.27		25			I	CM/MST		N	2cm sheared zone contact with coal at 25 degrees. Same as above.
	35.07	36.07	1.00	1.00	100%	35.01	36.01	1.00	1.00	100%		R341700	25.2	I	C	10	N	Soft, friable, shiny, some compressed powder
	36.07	36.36	0.29	0.29	100%	36.01	36.30	0.29	0.29	100%		R341701	25.4	I	C	10	N	a.a. Broken in shoe, strong sulfur smell.
5	36.36	37.86	1.50	1.46	97%			0.00	1.46									
	36.36	36.51	0.15	0.15	100%	36.30	36.45	0.15	0.15	100%		R341701	25.4	B	C	10	N	Shiny, blocky sheared zone.
	36.51	37.07	0.56	0.56	100%	36.45	37.01	0.56	0.56	100%		R341701	25.4	I	C	10	N	Mostly firable, soft, shiny, minor dull and hard zones.
	37.07	37.82	0.75	0.75	100%	37.01	37.76	0.75	0.75	100%		R341702	24.6	I	C	10	N	a.a. Sulfur smell, broken in shoe, minor MST clasts.
	37.82	37.86	0.04	0.00	0%	37.76	37.76	0.00	0.00						LO			
6	37.86	39.41	1.55	1.60	103%				1.60									
	37.86	38.11	0.25	0.25	100%	37.76	38.01	0.25	0.25	100%		R341702	24.6	B	C	10	N	Mix of shiny and dull, bright bands.
	38.11	39.11	1.00	1.00	100%	38.01	39.01	1.00	1.00	100%		R341703	26.2	I	C	10	N	a.a.
	39.11	39.41	0.30	0.35	117%	39.01	39.36	0.35	0.35	100%		R341704	27.8	I	C	10	N	a.a. broken in shoe, minor mud clasts.
7	39.41	40.91	1.50	1.61	107%	39.36	39.36	0.00										
	39.41	40.06	0.65	0.65	100%	39.36	40.01	0.65	0.65	100%		R341704	27.8	B	C	10	N	Blocky, sheared, bright, 2 x ~6cm MST partings removed.
	40.06	40.91	0.85	0.96	113%	40.01	40.97	0.96	0.96	100%		R341705	21	I	C	10	N	a.a. ~2cm parting removed.
8	40.91	42.41	1.50	1.54	103%			0.00	1.54									
	40.91	41.91	1.00	1.00	100%	40.97	41.97	1.00	1.00	100%		R341706	24.6	B/I	C	10	N	Heavy, bright, shiny. Photo interval wrong.
	41.91	42.19	0.28	0.28	100%	41.97	42.25	0.28	0.28	100%		R341707	6.4	I	C	10	N	a.a.
	42.19	42.41	0.22	0.26	118%			0.00	0.26					B/I	CM		N	Carb. Parting removed, brown, hard and heavy.
9	42.41	43.91	1.50	1.53	102%			0.00	1.53									
	42.41	43.94	1.53	1.53	100%			0.00	1.53					B	MST		N	Mostly intact but upper half sheared.
10	43.91	45.41	1.50	1.53	102%			0.00	1.53									
	43.91	45.41	1.50	1.53	102%			0.00	1.53					I	MST		N	Brown/grey to bright yellow/orange, infill in fractures.

Run #	Driller's Depths					Corrected Depths					BCN	Sample #	Sample Mass	Core Quality	Lith Code	Seam	Acid Test	Description
				Recovered					Recovered								Fizz	
	From	To	Interval	m	%	From	To	Interval	m	%			(kg)				Y/N?	
																		EOH: 45.41

CanAus Coal Ltd.

Large Diameter (6") Core Description

Hole:	**MH16CC-02**																
Northing:	5487380			**UTM System:**	NAD 83				**Hole Orientation:**	Vertical			**Property:**	**Loop Ridge**		**Cased to:**	18m
Easting:	**664910**								**Hole Type:**	6 inch/15cm core			**Seam:**	**10**		**Core point:**	**33m**
Elevation:	**2159m**												**Total Depth:**	**43.95m**			
									Logged by:	H. Evans			**Date:**	**2016-07-07**			

	Driller's Depths					Corrected Depths												
				Recovered					Recovered				Sample Mass		Lith Code	Seam	Acid Test Fizz	
Run #	**From**	**To**	**Interval**	**m**	**%**	**From**	**To**	**Interval**	**m**	**%**	BCN	Sample #	(kg)	Core Quality			Y/N?	Description
1	33.00	34.55	1.55	1.38	89%													
	33.00	33.43	0.43	0.43	100%	33.00	33.43	0.43	0.43	100%				Broken	MST		N	fractured zone, brown
	33.43	33.78	0.35	0.35	100%	33.43	33.78	0.35	0.35	100%				Intact	MST		N	brown, getting more carbon-rich toward contact
	33.78	34.38	0.60	0.60	100%	33.78	34.38	0.60	0.60	100%	22°	R341708	25.6	Intact	C	10	N	broken in shoe, sulfur smell, sharp contact at 22° *photo taken after sample started
	34.38	34.55	0.17	0.00	0%	34.38	34.55	0.17	0.00	0%					LO			
2	34.55	36.30	1.75	1.72	98%	34.55	36.30	1.75	1.72	98%								
	34.55	34.95	0.40	0.40	100%	34.55	34.95	0.40	0.40	100%		708		intact/broken	C	10	N	core not totally whole. Friable, some shiny and slickenside, soft, light, bright
	34.95	35.95	1.00	1.00	100%	34.95	35.95	1.00	1.00	100%		709	23.8	intact/broken	C	10	N	aa.
	35.95	36.27	0.32	0.32	100%	35.95	36.27	0.32	0.32	100%		710	21.2	intact/broken	C	10	N	aa. Broken in shoe
	36.27	36.30	0.01	0.00	0%	36.27	36.30	0.01	0.00	0%					LO			
3	36.30	37.90	1.60	1.62	101%	36.30	37.90	1.60	1.62	101%								
	36.30	36.98	0.68	0.68	100%	36.30	36.98	0.68	0.68	100%		710		intact/broken	C	10	N	top 23 cm is broken. Blocky, friable, soft
	36.98	37.90	0.92	0.94	102%	36.98	37.90	0.92	0.94	102%		R339229	25.4	intact/broken	C	10	N	aa. Brown muddy clasts throughout bottom 30 cm- heavy, could not remove
4	37.90	39.40	1.50	1.50	100%	37.90	39.40	1.50	1.50	100%								
	37.90	38.90	1.00	1.00	100%	37.90	38.90	1.00	1.00	100%		230	30	intact	C	10	N	shiny hard friable, sections with a brownish tinge. Heavy
	38.90	39.40	0.50	0.50	100%	38.90	39.40	0.50	0.50	100%		231	24.8	intact/broken	C	10	N	aa. Broken in shoe, 1cm CM parting removed
5	39.40	40.90	1.50	1.20	80%	39.40	40.90	1.50	1.20	80%								
	39.40	39.90	0.50	0.50	100%	39.40	39.90	0.50	0.50	100%		231		intact/broken	C	10	N	blocky, hard, sheared and fractured mid-way. Some compressed powder, bright
	39.90	40.60	0.70	0.70	100%	39.90	40.60	0.70	0.70	100%		232	16.8	intact/broken	C	10	N	aa. But not as bright. Broken in shoe
	40.60	40.90	0.30	0.00	0%	40.60	40.90	0.30	0.00	0%					LO			
6	40.90	42.45	1.55	1.40	90%	40.90	42.45	1.55	1.40	90%								
	40.90	41.00	0.10	0.10	100%	40.90	41.00	0.10	0.10	100%		232		broken	C	10	N	brownish coal, broken, blocky, hard
	41.00	42.30	1.30	1.30	100%	41.00	42.30	1.30	1.30	100%	30°	EX		Broken/intact	CM/MST		N	sheared sections at middle and bottom. Sharp contact with coal at 30°
	42.30	42.45	0.12	0.00	0%	42.30	42.45	0.12	0.00	0%					LO			
7	42.45	43.95	1.50	1.53	102%	42.45	43.95	1.50	1.53	102%								
	42.45	43.95	1.50	1.53	102%	42.45	43.95	1.50	1.53	102%		EX		broken/intact	CM		N	grey/brown CM with fractured zones. Orage-yellow oxidation. Some coaly stringers <1cm
								6.72										EOH: 43.95m

CanAus Coal Ltd.

Large Diameter (6") Core Description

Hole:	**MH16CC-03**																	
Northing:	5487377			**UTM System:**	NAD 83				**Hole Orientation:**	Vertical			**Property:**	**Loop Ridge**		**Cased to:**	18	
Easting:	**664910**								**Hole Type:**	6 inch/15cm core			**Seam:**	**10.00**		**Core point:**	**31**	
Elevation:	**2159m**												**Total Depth:**	**41m**				
									Logged by:	A. Cousins			**Date:**	**July 8 2016**				

	Driller's Depths					Corrected Depths							Sample Mass					
				Recovered					Recovered									
Run #	**From**	**To**	**Interval**	**m**	**%**	**From**	**To**	**Interval**	**m**	**%**	BCN	Sample #	(kg)	Core Quality	Lith Code	Seam	Acid Test Fizz Y/N?	Description
1	31.10	32.00	0.90	0.90	100%			0.00	0.90	#DIV/0!								
	31.10	32.00	0.90	0.90	100%			0.00	0.90					broken	**MST**		**N**	**light-med brown when scratched, intact but fractured throughout, iron staining on fracture surfaces, some fine rock gouge in joints**
2	32.00	33.50	1.50	1.65	110%			0.00	1.65									
	32.00	32.22	0.22	0.22	100%			0.00	0.22					intact/broken	MST		N	intact but made up of soft rocky gouge
	32.22	32.92	0.70	0.70	100%			0.00	0.70					intact	MST		N	iron staining ofn joint surfaces, same as MST
	32.92	33.02	0.10	0.10	100%			0.00	0.10					intact	CM		N	coaly
	33.02	33.32	0.30	0.30	100%			0.00	0.30					intact	MST		N	intact at top, broken/sheared at base, MST aa.
	33.32	33.65	0.33	0.33	100%	33.01	33.34	0.33	0.33	100%		233	23.2	broken	C	10	Y	hard, blocky, sheared
3	33.50	35.00	1.50	1.52	101%													
	33.50	34.17	0.67	0.67	100%	33.34	34.01	0.67	0.67	100%		233		intact	C	10	N	hard at top, softer towards base, sheared
	34.17	35.02	0.85	0.85	100%	34.01	34.86	0.85	0.85	100%		234	29.8	intact	C	10	N	soft, sheared. Muddy partings towards base
4	35.00	36.50	1.50	1.65	110%	34.01	35.66	1.65	1.65	100%								
	35.00	35.15	0.15	0.15	100%	34.86	35.01	0.15	0.15	100%		234		intact	C	10	N	hard and soft
	35.15	35.90	0.75	0.75	100%	35.01	35.76	0.75	0.75	100%		235	19.2	intact	C	10	N	soft, sheared
	35.90	36.02	0.12	0.12	100%	35.76	35.88	0.12	0.12	100%		EX		intact	CM		N	coaly, soft
	36.02	36.27	0.25	0.25	100%	35.88	36.13	0.25	0.25	100%		235	25.4	intact	C	10	Y	0.5-1cm muddy partings, soft, muddy
	36.27	36.65	0.38	0.38	100%	36.13	36.51	0.38	0.38	100%		236		intact	C	10	N	broken from shoe, soft, sheared
5	36.50	38.00	1.50	1.55	103%	36.13	37.68	1.55	1.55	100%								
	36.50	37.10	0.60	0.60	100%	36.51	37.11	0.60	0.60	100%		236		intact	C	10	N	occasional mudstone partings, ~0.5 cm. soft
	37.10	37.40	0.30	0.30	100%	37.11	37.41	0.30	0.30	100%		237	24.4	intact	C	10	N	hard. More blocky, muddy at base
	37.40	37.75	0.35	0.35	100%	37.41	37.76	0.35	0.35	100%		EX		intact	CM		N	coaly, soft, calcite veinlets
	37.75	38.05	0.30	0.30	100%	37.76	38.06	0.30	0.30	100%		237		intact	C	10	N	mkuddy, soft, sheared, dull, broken from shoe
6	38.00	39.50	1.50	1.61	107%	37.76	39.37	1.61	1.61	100%								
	38.00	38.40	0.40	0.40	100%	38.06	38.40	0.34	0.40	118%		237			C	10	N	aa.
	38.40	38.67	0.27	0.27	100%				0.27			EX			CM		N	very coaly, hard to distinguish coal and mud. Fine mud lenses, discontinous across core
	38.67	39.07	0.40	0.40	100%				0.40			238	25.4	intact	C	10	N	dull, muddy, soft, sheared
	39.07	39.33	0.26	0.26	100%				0.26			EX		intact	CM		N	coaly throughout
	39.33	39.61	0.28	0.28	100%				0.28			238		intact	C	10	N	harder than coal above, broken from shoe
7	39.50	41.00	1.50	1.54	103%				1.54									
	39.50	39.82	0.32	0.32	100%				0.32			238		intact	C	10	N	hard, blocky when broken
	39.82	40.72	0.90	0.90	100%				0.90			239		intact	C	10	N	soft, muddy, sheared
	40.72	41.04	0.32	0.32	100%				0.32			EX		intact/broken	MST		N	broken, soft, sheared gouge zone in middle. Light brown when scratched
									6.88									

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Large Diameter (6") Core Description

Hole:	**MH16CC-04**																	
Northing:	5487374.418			**UTM System:**	NAD 83				**Hole Orientation:**	Vertical			**Property:**	**Loop Ridge**		**Cased to:**	18	
Easting:	**664911.394**								**Hole Type:**	6 inch/15cm core			**Seam:**	**10.00**		**Core point:**	**32**	
Elevation:	**2159m**												**Total Depth:**	**42.8**				
									Logged by:	AC/TS			**Date:**	**2016-07-09**				

	Driller's Depths					Corrected Depths												
				Recovered					Recovered				Sample Mass		Lith Code	Seam	Acid Test	
Run #	**From**	**To**	**Interval**	**m**	**%**	**From**	**To**	**Interval**	**m**	**%**	**BCN**	**Sample #**	(kg)	**Core Quality**			Fizz Y/N?	**Description**
1	32.00	33.00	1.00	1.30	130%													
	32.00	33.30	1.30	1.30	100%									B	MS		N	Fractured with iron-staining on fracture surfaces, light brown when scratched, slightly carbonaceous at base.
2	33.00	34.50	1.50	1.38	92%			0.00	1.38									Toby started logging.
	33.00	33.56	0.56	0.56	100%			0.00	0.56					I	MS		N	Dark grey, PY stained fracture.
	33.56	34.38	0.82	0.82	100%	33.56	34.38	0.82	0.82	100%		R339240	19.4		CO	10		Bright, hard, intact core, wavy/flaky, fracture on bedding.
	34.38	34.50	0.12	0.00	0%	34.38	34.50	0.12	0.00	0%					Loss			
3	34.50	35.30	0.80	0.66	83%													
	34.50	35.16	0.66	0.66	100%	34.50	35.16	0.66	0.66	100%		R339241	23.4	I	CO	10	N	Soft scratch, bright, flaky, friable, intact in core.
	35.16	35.30	0.14	0.00	0%	35.16	35.30	0.14	0.00	0%					Loss			
4	35.30	36.30	1.00	0.76	76%													
	35.30	35.66	0.36	0.36	100%	35.30	35.66	0.36	0.36	100%		R339241	23.4	I	CO	10	N	Bright, soft, flaky with hard bands.
	35.66	35.85	0.19	0.19	100%	35.66	35.85	0.19	0.19	100%		R339242	25.4	I	CO	10	N	Very hard, dull, brown scratch, med bright on fracture.
	35.85	35.98	0.13	0.13	100%	35.85	35.98	0.13	0.13	100%		R339242	25.4	I	CO	10	N	Bright, soft, flaky.
	35.98	36.08	0.10	0.10	100%	35.98	36.08	0.10	0.10	100%		R339242	25.4	I	CO	10	N	Hard, dull, scratch, bright on wavy fracture.
	36.08	36.30	0.22	0.00	0%	36.08	36.16	0.08	0.00	0%					Loss			
5	36.30	37.80	1.50	1.63	109%													
	36.30	36.70	0.40	0.40	100%	36.16	36.56	0.40	0.40	100%		R339242	25.4	I	CO	10	N	Bright, flaky, med soft, few ~2cm brown mud bands.
	36.70	36.77	0.07	0.07	100%	36.56	36.63	0.07	0.07	100%				I	MS	10	N	Brown MS/claystone
	36.77	36.95	0.18	0.18	100%	36.63	36.81	0.18	0.18	100%		R339242	25.4	I	CO	10	N	Bright, flaky, soft.
	36.95	37.63	0.68	0.68	100%	36.81	37.49	0.68	0.68	100%		R339243	23.2	I	CO	10	N	Very hard, dull, black scratch.
	37.63	37.93	0.30	0.30	100%	37.49	37.79	0.30	0.30	100%		R339243	23.2	B	CO	10	N	Bright, flaky, soft, broken material in shoe.
6	37.80	39.30	1.50	1.57	105%													
	37.80	38.13	0.33	0.33	100%	37.79	38.13	0.34	0.33	97%		R339244	29.4		CO	10		Hard, dull, heavy.
	38.13	39.12	0.99	0.99	100%	38.13	39.12	0.99	0.99	100%		R339244	29.4		CO	10		Bright, soft, becoming more dull downward, ~5cm dirty bands with brown scratch.
	39.12	39.25	0.13	0.13	100%	39.12	39.25	0.13	0.13	100%					MS	10	N	Light brown MS, soft with CO lenses.
	39.25	39.37	0.12	0.12	100%	39.25	39.37	0.12	0.12	100%		R339245	29.4		CO	10	N	Med bright, med-hard, broken material in shoe.
7	39.30	40.80	1.50	1.42	95%													
	39.30	39.70	0.40	0.40	100%	39.37	39.77	0.40	0.40	100%					MS/CO	10		Interbedded soft light brown MS and hard dull coal.
	39.70	40.20	0.50	0.50	100%	39.70	40.20	0.50	0.50	100%		R339245	29.4		CO	10		Hard, dull scratch, bright on fracture.
	40.20	40.72	0.52	0.52	100%	40.20	40.72	0.52	0.52	100%		R339246	12.8		CO	10		Becoming med-soft, flaky, med-bright in hard bands.
	40.72	40.80	0.08	0.00	0%	40.72	40.80	0.08	0.00	0%					loss			
8	40.80	42.30	1.50	1.61	107%													
	40.80	41.05	0.25	0.25	100%										MS/CO			Interbedded light brown soft MS and hard dull CO.
	41.05	41.67	0.62	0.62	100%										SLT		N	Hard dark brown/grey siltstone.
	41.67	41.82	0.15	0.15	100%										SLT		N	a.a., soft, clayey.
	41.82	42.32	0.50	0.50	100%										SLT		N	a.a., hard.
9	42.30	42.80	0.50	0.56	112%													
	42.30	42.86	0.56	0.56	100%										SS			Dark grey.

CanAus Coal Ltd.

Large Diameter (6") Core Description

Hole:	**MH16CC-05**																	
Northing:	5487373.000			**UTM System:**	NAD 83				**Hole Orientation:**	Vertical			**Property:**	**Loop Ridge**		**Cased to:**	12m	
Easting:	**664908**								**Hole Type:**	6 inch/15cm core			**Seam:**	**10.00**		**Core point:**	**32m**	
Elevation:	**2159m**												**Total Depth:**	**43.9m**				
									Logged by:	H.Evans			**Date:**	**2016-07-11**				

	Driller's Depths					Corrected Depths												
				Recovered					Recovered				Sample Mass		Lith Code	Seam	Acid Test	
Run #	**From**	**To**	**Interval**	**m**	**%**	**From**	**To**	**Interval**	**m**	**%**	**BCN**	**Sample #**	(kg)	**Core Quality**			Fizz Y/N?	**Description**
1	32.00	33.20	1.20	1.27	106%													**Gain throughout hole?**
	32.00	32.27	0.27	0.27	100%									broken	**CM**		**N**	**fractured, iron oxidation on surfaces**
	32.27	33.17	0.90	0.90	100%									broken/intact	CM		N	muddy, fractured with some gouge
	33.17	33.27	0.10	0.10	100%									broken	**C/CM**		**N**	**Coaly CM, not sampled**
2	33.20	34.70	1.50	1.65	110%													
	33.20	34.20	1.00	1.00	100%	32.90	33.90	1.00	1.00	100%		R339247	24.8	intact	C	10	N	friable, bright, muddy clasts throughout, ~5cm removed
	34.20	34.85	0.65	0.65	100%	33.90	34.55	0.65	0.65	100%		248	23.4	intact	C	10	N	aa. Broken in shoe. Cleaner than above
3	34.70	36.30	1.60	1.65	103%													
	34.70	35.05	0.35	0.35	100%	34.55	34.90	0.35	0.35	100%		248		broken/intact	C	10	N	fracture gouge at top 10cm, friable, dull
	35.05	36.05	1.00	1.00	100%	34.90	35.90	1.00	1.00	100%		249	28.6	intact	C	10	N	dull, solid, minor mud clasts
	36.05	36.35	0.30	0.30	100%	35.90	36.20	0.30	0.30	100%		250	22.8	intact	C	10	N	aa. Broken in shoe
4	36.30	37.80	1.50	1.71	114%													
	36.30	37.01	0.71	0.71	100%	36.20	36.91	0.71	0.71	100%		250		intact	C	10	N	shiny, friable, minor mud clasts
	37.01	38.01	1.00	1.00	100%	36.91	37.91	1.00	1.00	100%		D144554	29.6	intact	C	10	N	shiny, some compressed powder, 3X 3cm mud partings, hard to distinguish, removed
5	37.80	39.30	1.50	1.64	109%													
	37.80	38.80	1.00	1.00	100%	37.91	38.91	1.00	1.00	100%		555	22	intact	C	10	N	dull, friable, light. ~5cm mud parting removed, ~8cm mud parting removed
	38.80	39.44	0.64	0.64	100%	38.91	39.55	0.64	0.64	100%		556	17.6	intact	C	10	N	aa. Broken in shoe
6	39.30	40.80	1.50	1.57	105%													
	39.30	39.58	0.28	0.28	100%	39.55	39.83	0.28	0.28	100%		556		broken	C	10	N	hard, blocky, light, friable, broken
	39.58	39.66	0.08	0.08	100%	39.83	39.91	0.08	0.08	100%		556		intact	C	10	N	aa. But intact
	39.66	40.63	0.97	0.97	100%	39.91	40.70	0.79	0.97	123%		557	24.8	intact/broken	C	10	N	aa. Smells like sulfur
	40.63	40.80	0.17	0.24	141%				0.24			EX		broken	CM/SLT		N	black, hard, fine-grained, heavy, broken in shoe
7	40.80	42.40	1.60	1.60	100%													
	40.80	42.40	1.60	1.60	100%				1.60			EX		broken	CM/SLT		N	very fine grained, dark, dull, heavy
8	42.40	43.90	1.50	1.43	95%													
	42.40	43.83	1.43	1.43	100%				1.43			EX		broken/intact	CM/SLT		N	aa. Iron oxidation, some fractured.
	43.83	43.90	0.00	0.00	#DIV/0!										LO			Loss added to gain above in run 6.
																		EOH: 43.9m
								7.80										

CanAus Coal Ltd.

Large Diameter (6") Core Description

Hole:	**MH16CC-06**																
Northing:	5487373.000			**UTM System:**	NAD 83				**Hole Orientation:**	Vertical			**Property:**	**Loop Ridge**		**Cased to:**	18m
Easting:	**664911**								**Hole Type:**	6 inch/15cm core			**Seam:**	**10**		**Core point:**	**32m**
Elevation:	**2159m**												**Total Depth:**	**41.5**			
									Logged by:	AC			**Date:**	**July 12th 2016**			

	Driller's Depths					Corrected Depths											
				Recovered					Recovered				Sample Mass		Lith Code	Seam	Acid Test Fizz
Run #	**From**	**To**	**Interval**	**m**	**%**	**From**	**To**	**Interval**	**m**	**%**	**BCN**	**Sample #**	**(kg)**	**Core Quality**			**Y/N?**	**Description**
Hammer	31.70	32.00	0.30	0.00		31.70	32.00	0.30	0.00						CO			
1	32.00	33.00	1.00	1.05	105%													
	32.00	32.46	0.46	0.46	100%	32.00	32.46	0.46	0.46	100%		D144558	26.60	I	CO	10	N	Some thin visible MS bedding at top of run. May have only just hit coal. CO med hardness, muddier towards base, thin MS partings (~1cm).
	32.46	32.61	0.15	0.15	100%	32.46	32.61	0.15	0.15	100%				I	CM	10	N	Very coaly, excluded from sample.
	32.61	33.00	0.39	0.44	113%	32.61	33.05	0.44	0.44	100%				I	CO	10	N	Softer than CO above.
2	33.00	34.00	1.00	1.12	112%													
	33.00	33.55	0.55	0.55	100%	33.05	33.60	0.55	0.55	100%		D144559	24.6	I	CO	10	N	Soft, sheared, slightly muddy.
	33.55	33.68	0.13	0.13	100%	33.60	33.73	0.13	0.13	100%				I	CM	10	N	Coaly, hard to distinguish CO from CM, excluded from sample.
	33.68	34.12	0.44	0.44	100%	33.73	34.17	0.44	0.44	100%		D144559	24.6	I	CO	10	N	Soft sheared, dull, muddy.
3	34.00	35.50	1.50	1.45	97%													
	34.00	34.53	0.53	0.53	100%	34.17	34.70	0.53	0.53	100%		D144560	22.6	I	CO	10	Y	Hard in part, sheared, muddy at base, minor HCL reaction.
	34.53	34.65	0.12	0.12	100%	34.70	34.82	0.12	0.12	100%				I	CM	10	N	Very coaly, excluded.
	34.65	35.10	0.45	0.45	100%	34.82	35.27	0.45	0.45	100%		D144560	22.6	I	CO	10	N	Dull, sheared, muddy.
	35.10	35.45	0.35	0.35	100%	35.27	35.62	0.35	0.35	100%				I	CM	10	N	Very coaly but majority mud, excluded.
	35.45	35.50	0.05	0.00	0%	35.62	35.62	0.00	0.00						Loss			0.05cm loss taken off gain from run 1
4	35.50	37.00	1.50	1.30	87%													
	35.50	35.65	0.15	0.15	100%	35.62	35.77	0.15	0.15	100%				B	CM	10	N	a.a.
	35.65	36.65	1.00	1.00	100%	35.77	36.77	1.00	1.00	100%		D144561	25.8	I	CO	10	N	Harder than coal above, blocky, shiny, sheared and softer at base.
	36.65	36.80	0.15	0.15	100%	36.77	36.92	0.15	0.15	100%		D144562	27	I	CO	10	N	a.a.
	36.80	37.00	0.20	0.00	0%	36.92	36.92	0.00	0.00						Loss			Loss added to gain in run 5 and 7
5	37.00	38.50	1.50	1.58	105%													
	37.00	37.25	0.25	0.25	100%	36.92	37.17	0.25	0.25	100%				I	CM	10	N	Very coaly, sheared.
	37.25	37.60	0.35	0.35	100%	37.17	37.52	0.35	0.35	100%		D144562	27	I	CO	10	N	Blocky but soft.
	37.60	38.25	0.65	0.65	100%	37.52	38.17	0.65	0.65	100%				I	CM	10	N	Very coaly.
	38.25	38.50	0.25	0.33	132%	38.17	38.50	0.33	0.33	100%		D144562	27	B	CO	10	N	Soft, sheared.
6	38.50	40.00	1.50	1.50	100%													
	38.50	38.78	0.28	0.28	100%	38.50	38.78	0.28	0.28	100%		D144562	27	I	CO	10	N	Sheared, soft with hard zones.
	38.78	39.23	0.45	0.45	100%	38.78	39.23	0.45	0.45	100%		D144563	11.6	I	CO	10	N	a.a. Geophys cut off at bottom - hard to tell footwall contact.
	39.23	40.00	0.77	0.77	100%									I/B	MS	10	N	Coaly/carbonaceous transition zone at top (soft), hard and more intact near middle to base.
	40.00	41.50	1.50	1.58	105%									I	MS		N	Mostly intact with occasional sheared fractured sections, light brown streak, some iron staining on fracture surfaces.
									5.43									

CanAus Coal Ltd.

Large Diameter (6") Core Description

Hole:	**MH16CC-07**																	
Northing:	5487371			**UTM System:**	NAD83				**Hole Orientation:**	Vertical			**Property:**	**Loop Ridge**		**Cased to:**	12	
Easting:	**664909**								**Hole Type:**	6 inch/15cm core			**Seam:**	**10.00**		**Core point:**	**30**	
Elevation:	**2159m**												**Total Depth:**	**42**				
									Logged by:	HE/AC			**Date:**	**July 13 2016**				

	Driller's Depths					Corrected Depths												
				Recovered					Recovered				Sample Mass		Lith Code	Seam	Acid Test	
Run #	**From**	**To**	**Interval**	**m**	**%**	**From**	**To**	**Interval**	**m**	**%**	**BCN**	**Sample #**	(kg)	**Core Quality**			Fizz Y/N?	**Description**
1	30.00	31.60	1.60	1.57	98%													
	30.00	31.57	1.57	1.57	100%										CM	10	N	Carbonaceous mud with iron staining on fractured surfaces.
	31.57	31.60	0.03	0.00	0%										Loss			
2	31.60	33.00	1.40	1.35	96%	31.30	32.65	1.35	1.35	100%								
	31.60	31.95	0.35	0.35	100%	31.30	31.65	0.35	0.35	100%				B	MS		N	Iron-staining on fracture surfaces, hard.
	31.95	32.60	0.65	0.65	100%	31.65	32.30	0.65	0.65	100%				B	CM/CO	10	N	Carbonaceous mud grading into muddy coal, sheared throughout.
	32.60	32.95	0.35	0.35	100%	32.30	32.65	0.35	0.35	100%		D144564	24.8	B	CO	10	N	Soft, sheared, more dull at top.
	32.95	33.00	0.03	0.00	0%	32.65	32.68	0.03	0.00	0%					Loss			
3	33.00	34.50	1.50	1.52	101%	32.68	34.20	1.50	1.52	101%								
	33.00	33.65	0.65	0.65	100%	32.68	33.33	0.65	0.65	100%		D144564	24.8	I	CO	10	N	Sheared, soft.
	33.65	34.50	0.85	0.87	102%	33.33	34.20	0.87	0.87	100%		D144565	23	I	CO	10	N	a.a., more broken than CO above, may just be from shoe.
4	34.50	36.00	1.50	1.45	97%	34.20	35.70	1.50	1.45	97%								
	34.50	34.63	0.13	0.13	100%	34.20	34.33	0.13	0.13	100%		D144565	23	B	CO	10	N	a.a.
	34.63	35.63	1.00	1.00	100%	34.33	35.33	1.00	1.00	100%		D144566	23	I	CO	10	N	Soft, sheared, ~10cm blocky section in middle, occasional 1cm MS partings (removed), rare calcite cleats near bottom.
	35.63	35.95	0.32	0.32	100%	35.33	35.65	0.32	0.32	100%		D144567	22	B	CO	10	N	Muddy in middle, ~cm removed, soft, sheared.
	35.95	36.00	0.05	0.00	0%	35.65	35.70	0.05	0.00	0%					Loss			
5	36.00	37.50	1.50	1.51	101%	35.70	37.21	1.51	1.51	100%								
	36.00	36.18	0.18	0.18	100%	35.70	35.88	0.18	0.18	100%				B	CO/CM	10	N	Coal with carbonaceous mud, excluded as partings were hard tp separate.
	36.18	36.58	0.40	0.40	100%	35.88	36.28	0.40	0.40	100%		D144567	22	I	CO	10	N	Blocky, hard in middle, muddy at base.
	36.58	37.13	0.55	0.55	100%	36.28	36.83	0.55	0.55	100%				I	CM	10	N	Very coaly, hard to distinguish coal and mud, excluded as a sample.
	37.13	37.51	0.38	0.38	100%	36.83	37.21	0.38	0.38	100%		D144567	22	B	CO	10	N	Muddy at top, harder fragments at base.
6	37.50	39.00	1.50	1.43	95%	37.21	39.17	1.96	1.43	73%								
	37.50	38.05	0.55	0.55	100%	37.21	37.76	0.55	0.55	100%		D144568	24.2	B	CO	10	N	Sheared, blocky.
	38.05	38.41	0.36	0.36	100%	37.76	38.12	0.36	0.36	100%				I	CO/CM	10	N	Interbedded coal and carbonaceous mud, multiple lighter MS partings throughout. Excluded as a sample.
	38.41	38.93	0.52	0.52	100%	38.12	38.64	0.52	0.52	100%		D144568	24.2	B	CO	10	N	Broken from shoe, muddy at top, 1x small 1.5cm parting removed, soft, sheared.
	38.93	39.00	0.07	0.00	0%	38.64	39.17	0.53	0.00	0%					Loss			
7	39.00	40.50	1.50	1.45	97%	39.17	40.62	1.45	1.45	100%								
	39.00	39.74	0.74	0.74	100%	39.17	39.91	0.74	0.74	100%		D144569	17.8	B	CO	10	N	Hard, fractures, very sheared at bottom, fragments are lightweight when picked up for sampling.
	39.74	40.45	0.71	0.71	100%									B	MS	10	N	Carbonaceous and coal at top, transitions into more hard/intact light brown MS, fractured.
8	40.50	42.00	1.50	1.61	107%													

Run #	Driller's Depths					Corrected Depths					BCN	Sample #	Sample Mass	Core Quality	Lith Code	Seam	Acid Test	Description
				Recovered					Recovered								Fizz	
	From	To	Interval	m	%	From	To	Interval	m	%			(kg)				Y/N?	
	40.50	42.11	1.61	1.61	100%									I/B	MS		N	Mostly intact with fractured/sheared section in middle, light brown, small (~2cm) coaly/carbonaceous band at bottom, some iron-staining on fractured zones.
									5.91									

CanAus Coal Ltd.
Large Diameter (6") Core Description

Hole: MH16CC-08

Northing: 5487377 **UTM System:** NAD83 **Hole Orientation:** Vertical **Property:** Micheal Head **Cased to:** 18

Easting: 664914.8 **Hole Type:** 6 inch/15cm core **Seam:** MH10 **Core point:** 31

Elevation: 2158.809 **Total Depth:** 41.1

Logged by: HE/ML **Date:** 2016-07-14

	Driller's Depths					Corrected Depths							Sample Mass		Lith Code	Seam	Acid Test	
				Recovered					Recovered								Fizz	
Run #	From	To	Interval	m	%	From	To	Interval	m	%	BCN	Sample #	(kg)	Core Quality			Y/N?	Description
1	31.00	31.80	0.80	0.80	100%													
	31.00	31.80	0.80	0.80	100%									B	CM		N	Some fault gouge, some intact core, iron staining. Very carbon rich
2	31.80	33.30	1.50	1.47	98%													
	31.80	31.86	0.06	0.06	100%									B	CM		N	as above. Blocky
	31.86	32.86	1.00	1.00	100%	31.65	32.65	1.00	1.00	100%		D144570	22.6	I	C	10	N	some compressed powder, minor mudclasts throughout. Soft
	32.86	33.27	0.41	0.41	100%	32.65	33.06	0.41	0.41	100%		D144571	20.8	I/B	C	10	N	a.a. broken in shoe
	33.27	33.30	0.00	0.00	0%	33.06	33.06	0.00	0.00						LO			0.03 loss added to run gain on run 3
3	33.30	34.30	1.00	1.05	105%													
	33.30	33.89	0.59	0.59	100%	33.06	33.65	0.59	0.59	100%		D144571			C	10	N	shiny, bright, friable, flakey
	33.89	34.30	0.41	0.46	112%	33.65	34.11	0.46	0.46	100%		D144572	20.8		C	10	N	aa
4	34.30	36.05	1.75	1.74	99%													*core barrel stuffed - could be compressed and actually more than 1.74
	34.30	34.84	0.54	0.54	100%	34.11	34.65	0.54	0.54	100%		D144572		B	C	10	N	shiny, flakey, very friable
	34.84	35.84	1.00	1.00	100%	34.65	35.65	1.00	1.00	100%		D144573	22.6	B/I	C	10	N	2 cm CM parting, removed. Dull, blocky, very friable
	35.84	36.04	0.20	0.20	100%	35.65	35.85	0.20	0.20	100%		D144574	34.8	B/I	C	10	N	aa but no parting
	36.04	36.05	0.00	0.00	0%	35.85	35.85	0.00	0.00						LO			0.01 loss added to run gain on run 3
5	36.05	37.65	1.60	1.74	109%													*core barrel stuffed again
	36.05	36.85	0.80	0.80	100%	35.85	36.65	0.80	0.80	100%		D144574		I	C	10	N	aa. Bright but dull. ~2cm parting removed, heavy
	36.85	37.65	0.80	0.94	117%	36.65	37.59	0.94	0.94	100%		D144575	21.2	I/B	C	10	N	dull, blocky, very friable
6	37.65	39.10	1.45	1.51	104%													
	37.65	37.70	0.05	0.05	100%	37.59	37.64	0.05	0.05	100%		D144576	25.4	B	C	10	N	Hard, fractured
	37.70	38.10	0.40	0.40	100%	37.64	38.04	0.40	0.40	100%		EX		I	CM/C	10	N	v. hard, heavy. Looks like Co, hard to tell but very heavy
	38.10	39.10	1.00	1.06	106%	38.04	39.10	1.06	1.06	100%		D144576		I/B	C	10	N	dull, soft, smell sulphur. 0.06m gain taken from run 8
7	39.10	40.60	1.50	1.50	100%													
	39.10	39.60	0.50	0.50	100%	39.10	39.60	0.50	0.50	100%		D144577	14.2	I	C	10	N	v hard, dense, dull w rare bright bands, grades into Ms
	39.60	40.60	1.00	1.00	100%									B	Ms		N	brown, soft, sheared. Silty/muddy
8	40.60	41.10	0.50	0.30	60%													
	40.60	40.90	0.30	0.30	100%									B	Ms		N	as above. V broken. Fracture zone. Fault gouge clays. *No picture
	40.90	41.10	0.00	0.00	0%										LO			0.14m loss added from gain in run 5.

7.55

Partings coaly/muddy on geophys, went with geos obs as they were very close to actual log.Depths not consitent between runs 5 and 6, hoever bottom of coal was right on?

CanAus Coal Ltd.

Large Diameter (6") Core Description

Hole:	**MH16CC-09**																	
Northing:	5485765.000			**UTM System:**	NAD 83				**Hole Orientation:**	Vertical			**Property:**	**Loop Ridge**		**Cased to:**	3m	
Easting:	**665070**								**Hole Type:**	6 inch/15cm core			**Seam:**	**9**		**Core point:**	**19.5m**	
Elevation:	**2159m**												**Total Depth:**	**56.00m**				
									Logged by:	Brian Larson/Hilary Evans			**Date:**	**2016-06-21**				

	Driller's Depths					Corrected Depths												
				Recovered					Recovered				Sample Mass		Lith Code	Seam	Acid Test Fizz	
Run #	From	To	Interval	m	%	From	To	Interval	m	%	BCN	Sample #	(kg)	Core Quality			Y/N?	Description
1	19.50	20.40	0.90	0.82	91%													
	19.50	19.65	0.15	0.15	100%									Broken	*C*	*9*		Coal, Shiny, hard, ~15cm stringer
	19.65	20.32	0.67	0.67	100%										SLT			Slt, brownish in fractures, some black
	20.32	20.40	0.04	0.00	0%										loss			
2	20.40	21.70	1.30	1.27	98%													
	20.40	21.67	1.27	1.27	100%										SLT			Very hard SLT, as above
	21.67	21.70	0.03	0.00	0%										loss			
3	21.70	22.20	0.50	0.46	92%													
	21.70	22.16	0.46	0.46	100%										SLT			SLT/MST, as above with nice crossbedding
	22.16	22.20	0.04	0.00	0%										loss			0.04 loss removed by gain from run 6.
4	22.20	23.70	1.50	1.33	89%													
	22.20	23.53	1.33	1.33	100%									Intact	SLT			SLT, hard, black, 20cm coal stringer
	23.53	23.70	0.03	0.00	0%										loss			
5	23.70	25.20	1.50	1.64	109%													0.14 cm loss added to this run.
	23.56	24.31	0.75	0.75	100%										SLT			sharp contact with coal, hanging wall
	24.31	25.20	0.89	0.89	100%	24.31	25.20	0.89	0.89	100%		R341451	21.2	Intact	C	9		Coal, very soft and shiny
6	25.20	26.10	0.90	0.94	104%	25.20	26.10	0.90	0.94	104%								
	25.20	26.10	0.90	0.94	104%	25.20	26.10	0.90	0.94	104%		R341452	23.4	Intact	C	9		As above
7	26.10	27.50	1.40	1.22	87%	26.10	27.50	1.40	1.22	87%								
	26.10	27.10	1.00	1.00	100%	26.10	27.10	1.00	1.00	100%		R341453	24.6	Intact	C	9		Coal, shiny, soft to firm
	27.10	27.32	0.22	0.22	100%	27.10	27.32	0.22	0.22	100%		R341454	24.2	Intact	C	9		Coal as above
	27.32	27.50	0.18	0.00	0%	27.32	27.50	0.18	0.00	0%					Loss			0.16m Loss added to run 9.
8	27.50	29.00	1.50	1.50	100%	27.50	29.00	1.50	1.50	100%								
	27.50	28.20	0.70	0.70	100%	27.50	28.20	0.70	0.70	100%		R341454		Intact	C	9		Coal as above
	28.20	28.80	0.60	0.60	100%	28.20	28.80	0.60	0.60	100%					MST			Carb mst, removed
	28.80	28.95	0.15	0.15	100%	28.80	28.95	0.15	0.15	100%		R341454			C	9		Coal stringer, including in parting as per geophys.
	28.95	29.00	0.05	0.05	100%	28.95	29.00	0.05	0.05	100%					MST			Carb mst removed
9	29.00	30.50	1.50	1.66	111%													
	29.00	29.18	0.18	0.18	100%	29.00	29.18	0.18	0.18	100%					CM			Carb mst parting removed
	29.18	30.18	1.00	1.00	100%	29.18	30.18	1.00	1.00	100%		R341455	26.4	Intact	C	9		Coal as above
	30.18	30.50	0.32	0.48	150%	30.18	30.50	0.32	0.48	150%		R341456		Intact	C	9		Coal as above
10	30.50	32.00	1.50	1.53	102%													
	30.50	31.02	0.52	0.52	100%	30.50	31.02	0.52	0.52	100%		R341456	20.2	Intact/Broken	C	9		Shiny on fractured surface, hard, friable, small (<1cm) partings
	31.02	32.00	0.98	1.01	103%	31.02	32.00	0.98	1.01	103%		R341457	26.2	Intact	C	9		Same as above, broken in shoe. 0.03m Loss added from run 4.
11	32.00	33.50	1.50	1.58	105%													

Run #	Driller's Depths					Corrected Depths					BCN	Sample #	Sample Mass	Core Quality	Lith Code	Seam	Acid Test	Description
				Recovered					Recovered								Fizz	
	From	To	Interval	m	%	From	To	Interval	m	%			(kg)				Y/N?	
	32.00	32.48	0.48	0.48	100%	32.00	32.48	0.48	0.48	100%		R341458	24.6	Broken	C	9		fractured and sheared blocky zone from 0.46-0.48 some compressed powder, hard
	32.48	33.00	0.52	0.52	100%	32.48	33.00	0.52	0.52	100%		R341458		Broken	C	9		hard, shiny surfaces, some compressed powder
	33.00	33.50	0.50	0.58	116%	33.00	33.50	0.50	0.58	116%		R341459		Intact	C	9		compressed powder, some friable sections and some shiny chunks, Slicken side
12	33.50	35.00	1.50	1.41	94%													
	33.50	33.92	0.42	0.42	100%	33.50	33.92	0.42	0.42	100%		R341459	22.4	Intact/broken	C	9		fractures at 63° - mostly intact with fractures, some brown chunks removed
	33.92	34.91	0.99	0.99	100%	33.92	34.91	0.99	0.99	100%		R341460	25	Intact	C	9		Same as above, hard, shears along fractures, friable, very shiny and slickenside
	34.91	#REF!	0.09	0.00	0%	34.91	#REF!	0.09	0.00	0%					LO			0.09Loss added to gain on run 13
13	35.00	36.50	1.50	1.59	106%													
	35.00	35.30	0.30	0.30	100%	35.00	35.30	0.30	0.30	100%		R341461	23.6	Intact	C	9		Same as above, sheared at 0.30
	35.30	36.00	0.70	0.70	100%	35.30	36.00	0.70	0.70	100%		R341461		Intact	C	9		Same as above with compressed powder, friable
	36.00	36.50	0.50	0.59	118%	36.00	36.50	0.50	0.59	118%		R341462	23	Intact	C			Same as above, broken in shoe, slikenside fractured surfaces
14	36.50	38.00	1.50	1.52	101%													
	36.50	36.91	0.41	0.41	100%	36.50	36.91	0.41	0.41	100%		R341462		Intact	C	9		Same as above, very hard
	36.91	37.35	0.44	0.44	100%	36.91	37.35	0.44	0.44	100%		R341463		Intact	C	9		Same as above
	37.35	37.67	0.32	0.32	100%	37.35	37.67	0.32	0.32	100%				Intact	CM/C	9		some heavy coal with ~10cm CM- removed
	37.67	38.00	0.33	0.35	106%	37.67	38.00	0.33	0.35	106%		R341463		Broken/Intact	C	9		Broken in shoe. Friable, shiny, flakey.
15	38.00	39.50	1.50	1.52	101%													
	38.00	38.21	0.21	0.21	100%	38.00	38.21	0.21	0.21	100%		R341463	26.2	Intact	C	9	N	Med-shiny, friable, fractures at 52°, slickenside on fractured surfaces mix of flakey and compressed powder
	38.21	38.75	0.54	0.54	100%	38.21	38.75	0.54	0.54	100%		R341464	19	Intact	C	9	little	Same as above
	38.75	38.87	0.12	0.12	100%	38.75	38.87	0.12	0.12	100%		EXCLUDED			CM			CM parting removed
	38.87	39.21	0.34	0.34	100%	38.87	39.21	0.34	0.34	100%		R341464		Intact	C	9	little	same as above Sample 464 only 88cm
	39.21	39.50	0.29	0.31	107%	39.21	39.50	0.29	0.31	107%		R341465	22.6	Intact	C	9		same as above
16	39.50	41.00	1.50	1.51	101%													
	39.50	39.84	0.34	0.34	100%	39.50	39.84	0.34	0.34	100%		EXCLUDED		Intact	CM			CM parting removed
	39.84	40.53	0.69	0.69	100%	39.84	40.53	0.69	0.69	100%		R341465		Intact	C	9		Very hard and friable, shiny, flakey
	40.53	41.00	0.47	0.48	102%	40.53	41.00	0.47	0.48	102%		R341466	23.6	Intact	C	9		compressed powder, very shiny and friable
17	41.00	42.50	1.50	1.56	104%													
	41.00	41.15	0.15	0.15	100%	41.00	41.15	0.15	0.15	100%		R341466		Intact	C	9	little	same as above
	41.15	41.30	0.15	0.15	100%	41.15	41.30	0.15	0.15	100%		EXCLUDED		Intact	C/CM			very hard brown parting removed
	41.30	41.67	0.37	0.37	100%	41.30	41.67	0.37	0.37	100%		R341466		Broken	C	9		flakey, friable, hard, shiny
	41.67	42.50	0.83	0.89	107%	41.67	42.50	0.83	0.89	107%		R341467	25	Broken/Intact	C	9		same as above, some broken, some intact. Loss added from run 21 and 24
18	42.50	44.00	1.50	1.54	103%	42.50	44.00	1.50	1.54	103%								
	42.50	42.61	0.11	0.11	100%	42.50	42.61	0.11	0.11	100%		R341467		Intact	C	9		med-shiny, some flakes, aome compressed powder
	42.61	43.61	1.00	1.00	100%	42.61	43.61	1.00	1.00	100%		R341468	23.4	Intact	C	9		same as above, <2cm parting removed
	43.61	44.00	0.39	0.43	110%	43.61	44.00	0.39	0.43	110%		R341469	22	Intact	C	9	N	Same as above, dull, broken in shoe, no partings. Loss added from 24
19	44.00	45.50	1.50	1.50	100%													
	44.00	44.57	0.57	0.57	100%	44.00	44.57	0.57	0.57	100%		R341469	22	Intact	C	9	N	blocky, flakey, very shiny, breaks easily along fractures, slickenside along fractured surfaces
	44.57	45.09	0.52	0.52	100%	44.57	45.09	0.52	0.52	100%		R341470	22.4	Intact	C	9	N	Same as above
	45.09	45.19	0.10	0.10	100%	45.09	45.19	0.10	0.10	100%		EXCLUDED		Intact	CM		N	CM parting (4 x ~2cm each) removed
	45.19	45.50	0.31	0.31	100%	45.19	45.50	0.31	0.31	100%		R341470		Broken	C	9	N	Broken in shoe, med-shiny, flakey, some compressed powder

Run #	Driller's Depths From	To	Interval	Recovered m	%	Corrected Depths From	To	Interval	Recovered m	%	BCN	Sample #	Sample Mass (kg)	Core Quality	Lith Code	Seam	Acid Test Fizz Y/N?	Description
20	45.50	47.00	1.50	1.56	104%	45.50	47.00	1.50	1.56	104%								
	45.50	45.67	0.17	0.17	100%	45.50	45.67	0.17	0.17	100%		R341470		Intact	C	9	Y	FIZZES A LOT!! Med-shiny, hard, blocky
	45.67	46.67	1.00	1.00	100%	45.67	46.67	1.00	1.00	100%		R341471	24.2	Intact	C	9	Y	same as above, but dull, breaks easily along fractures
	46.67	46.82	0.15	0.15	100%	46.67	46.82	0.15	0.15	100%		R341472	26	Intact	C	9	Y	Pyrite present, very hard, heavy, dull, friable
	46.82	47.07	0.24	0.24	100%	46.82	47.07	0.25	0.24	96%		EXCLUDED		Broken	CM			MST parting- no distinct contact. Loss added from run 24
21	47.00	48.50	1.50	1.47	98%													
	47.00	47.07	0.07	0.07	100%	47.00	47.07	0.07	0.07	100%		EXCLUDED		Intact	CM		N	parting with no distinct contact
	47.07	47.44	0.37	0.37	100%	47.07	47.44	0.37	0.37	100%		R341472		Intact	C	9	N	dull, flakey, not fracturing as before
	47.44	47.49	0.05	0.05	100%	47.44	47.49	0.05	0.05	100%		EXCLUDED		Intact	CM			small muddy parting removed
	47.49	47.97	0.48	0.48	100%	47.49	47.97	0.48	0.48	100%		R341472		Intact	C	9	N	Shiny, friable, some dull fracture surfaces
	47.97	48.47	0.50	0.50	100%	47.97	48.47	0.50	0.50	100%		R341473	23.8	Intact	C	9	N	same as above, 2 x ~4cm CM partings removed
	48.47	48.50	0.03	0.00	0%	48.47	48.50	0.03	0.00	0%					Loss			
22	48.50	50.00	1.50	1.56	104%	48.50	50.00	1.50	1.56	104%								
	48.50	48.82	0.32	0.32	100%	48.50	48.82	0.32	0.32	100%		R341473		Broken	C	9		med-shiny, flakey, friable, some dull bits
	48.82	48.89	0.07	0.07	100%	48.82	48.89	0.07	0.07	100%		EXCLUDED		Intact	CM			MST parting removed
	48.89	49.07	0.18	0.18	100%	48.89	49.07	0.18	0.18	100%		R341473		Intact	C	9		med-shiny, flakey, friable, some compressed powder
	49.07	49.80	0.73	0.73	100%	49.07	49.80	0.73	0.73	100%		R341474	18.6	Intact	C	9		same as above
	49.80	49.95	0.15	0.15	100%	49.80	49.95	0.15	0.15	100%		EXCLUDED		Intact	CM			muddy parting removed
	49.95	50.00	0.05	0.11	220%	49.95	50.00	0.05	0.11	220%		R341474		Intact	C	9		flakey, shiny, some compressed powder and dull. 0.06m Loss added from run 24. CO included in parting as per geophys.
																		*sample 474 only 84 cm because 745 is a "dirty" sample
23	50.00	51.50	1.50	1.61	107%													
	50.00	50.76	0.76	0.76	100%	50.00	50.76	0.76	0.76	100%				Intact	CM		N	Dark to light brown MST parting with shear zone (~20cm)
	50.76	51.36	0.60	0.60	100%	50.76	51.36	0.60	0.60	100%		R341475	30.2	Intact	C		N	dull coal with ~1cm partings throughout, sample is a little dirty
	51.36	51.50	0.14	0.25	179%	51.36	51.50	0.14	0.25	179%		R341475						logged from photo
24	51.50	53.00	1.50	1.50	100%	51.50	53.00	1.50	1.50	100%								
	51.50	51.90	0.40	0.40	100%	51.50	51.90	0.40	0.40	100%		R341475		Intact	C		N	same as above, heavy
	51.90	52.28	0.38	0.38	100%	51.90	52.28	0.38	0.38	100%		R341476		Broken	C		N	Flakey, ~15 cm sheared zone, hard, small partings
	52.28	52.39	0.11	0.11	100%	52.28	52.39	0.11	0.11	100%	30°	EXCLUDED		Intact	CM		N	Muddy parting removed, contact at 30°
	52.39	52.69	0.30	0.30	100%	52.39	52.69	0.30	0.30	100%		R341476	17.2	Intact	C		N	some slicken side, mix of flakey and compressed powder, some brown coal, friable but hard
	52.69	53.00	0.31	0.31	100%	52.69	53.00	0.31	0.30	97%		EXCLUDED		Broken	CM/C		N	very carbon-rich mudstone - removed
25	53.00	54.50	1.50	1.36	91%	53.00	54.50	1.50	1.36	91%								
	53.00	53.55	0.55	0.55	100%	53.00	53.55	0.55	0.55	100%				Broken	CM		N	Carbon-rich black/brown, heavy
	53.55	53.75	0.20	0.20	100%	53.55	53.75	0.20	0.20	100%				Broken	C		N	dirty coal, shiny, blocky. Exact bottom of coal hard to pick on geophys as log ends at just over 53m. Geos obsservations used.
	53.75	54.36	0.61	0.61	100%	53.75	54.36	0.61	0.61	100%				Broken	CM		N	black/brown, carbon-rich, heavy
	54.36	54.50	0.14	0.00	0%	54.36	54.50	0.14	0.00	0%					Loss			
26	54.50	56.00	1.50	1.32	88%													
	54.50	55.82	1.32	1.32	100%									Broken/Intact	CM			black/brown carbon-rich, heavy, some fractured blocky zones ~20cm
	55.82	56.00	0.18	0.00	0%										Loss			
																		EOH
								3.31										

CanAus Coal Ltd.
Large Diameter (6") Core Description

Hole: MH16CC-10

Northing: 5485763.000 **UTM System:** NAD 83 **Hole Orientation:** Vertical **Property:** Michel Head **Cased to:** 6m. *Rig 130 Good Earth Drill*

Easting: 665068 **Hole Type:** 6 inch/15cm core **Seam:** 9.00 **Core point:** 23m below ground level

Elevation: 2179m **Total Depth:** 56.5

Logged by: B.Larson/H. Evans **Date:** 16/6/22-23

	Driller's Depths					Corrected Depths											
				Recovered					Recovered				Sample Mass		Lith Code	Seam	Acid Test
Run #	From	To	Interval	m	%	From	To	Interval	m	%	BCN	Sample #	(kg)	Core Quality			Fizz Y/N?	Description
1	23.00	24.40	1.40	1.15	82%													
	23.00	23.64	0.64	0.64	100%			0.00	0.64						MST			
	23.64	24.15	0.51	0.51	100%	23.70	24.21	0.51	0.51	100%		R341477		intact	C	9	N	Coal, soft/shiny.
	24.15	24.40	0.25	0.00	0%	24.21	24.21	0.00	0.00						LO			
2	24.40	25.90	1.50	1.43	95%													
	24.40	24.64	0.24	0.49	204%	24.21	24.70	0.49	0.49	100%		477	27.2	intact	C	9	N	Coal, soft to firm/shiny.
	24.64	25.58	0.94	0.94	100%	24.70	25.64	0.94	0.94	100%		478	18.6	intact	C	9	N	Coal aa, minor parting excl.
	25.58	25.90	0.05	0.00	0%	25.64	25.64	0.00	0.00						LO			0.07m gain from run 3 added to loss
3	25.90	27.20	1.30	1.37	105%													
	25.90	26.90	1.00	1.00	100%	25.64	26.64	1.00	1.00	100%		479	24.2	intact	C	9	N	Coal aa, minor parting excl. (Started bagging before photo).
	26.90	27.20	0.30	0.37	123%	26.64	27.01	0.37	0.37	100%		480		intact	C	9	N	Coal aa, 10cm parting excl. (0.27 without parting)
4	27.20	28.80	1.60	1.71	107%													0.11 gain added to loss in run 2
	27.20	27.88	0.68	0.68	100%	27.01	27.69	0.68	0.68	100%					mst			Parting removed, carb mst.
	27.88	28.61	0.73	0.73	100%	27.69	28.42	0.73	0.73	100%		480	25.8	intact	C	9	N	Coal aa.
	28.61	28.80	0.19	0.40	211%	28.42	28.82	0.40	0.40	100%		481		intact	C	9	N	Coal, soft/shiny.
5	28.80	30.25	1.45	1.54	106%													
	28.80	29.40	0.60	0.60	100%	28.82	29.42	0.60	0.60	100%		481	26.4	intact	C	9	N	Coal, soft to firm/shiny.
	29.40	30.25	0.85	0.94	111%	29.42	30.36	0.94	0.94	100%		482	21.4	intact	C	9	N	Coal aa. 0.09m taken off gain from loss in run 2
6	30.25	31.50	1.25	1.23	98%													Hilary 23/06/2016
	30.25	31.02	0.77	0.77	100%	30.36	31.13	0.77	0.77	100%		483		B	C		N	Fractures at 45°, v. hard, v. shiny small amount of PY on fractur surfaces, small mst partings throughout- heavy. *photo has tag 487- should be 483*
	31.02	31.25	0.23	0.23	100%	31.13	31.36	0.23	0.23	100%	Ex			B	CM/C			Muddy partings removed
	31.25	31.48	0.23	0.23	100%	31.36	31.59	0.23	0.23	100%		483	23.8	B	C			v. shiny, flakey, broken, minor muddy partings, heavy.
	31.48	31.50	0.02	0.00	0%			0.00	0.00						LO			
7	31.50	33.00	1.50	1.56	104%													
	31.50	32.50	1.00	1.00	100%	31.59	32.59	1.00	1.00	100%		484	25	I	C			Friable, flakey, v. shiny, some compressed powder. (2cm mud chunk removed x4). Almost sheeted
	32.50	33.04	0.54	0.56	104%	32.59	33.15	0.56	0.56	100%		485		B	C			Same as above but less mud stringers. 0.02m loss from previous run added to gain
8	33.00	34.50	1.50	1.54	103%													
	33.00	34.54	1.54	1.54	100%	33.15	34.69	1.54	1.54	100%	Ex				SLT	Little		Very dark brown hard siltstone parting. Almost coal- probably minor coal stringers throughout but mostly rock- very hard to
9	34.50	36.00	1.50	1.60	107%													
	34.50	34.55	0.05	0.05	100%	34.69	34.74	0.05	0.05	100%		485		I	C			Shiny flakey, friable, almost laminar fractures at 70°.
	34.55	34.85	0.30	0.30	100%	34.74	35.04	0.30	0.30	100%	EX			B	CM			CM parting, v. dark- looks like coal, brown streak. 10cm fractured zone.
	34.85	35.24	0.39	0.39	100%	35.04	35.43	0.39	0.39	100%		485	21.2	I	C			Smelly, some compressed powder, some flakes, friable.
	35.24	36.10	0.86	0.86	100%	35.43	36.29	0.86	0.86	100%		486		I	C			aa- dull.
10	36.00	37.50	1.50	1.38	92%													
	36.00	36.14	0.14	0.14	100%	36.29	36.43	0.14	0.14	100%		486	24	I	C			Flakey, friable shiney, blocky.
	36.14	36.99	0.85	0.85	100%	36.43	37.28	0.85	0.85	100%		487		B	C			aa.
	36.99	37.11	0.12	0.12	100%	37.28	37.40	0.12	0.12	100%	EX			I	CM			CM parting- brown/grey hard.
	37.11	37.26	0.15	0.15	100%	37.40	37.55	0.15	0.15	100%		487	21.4	B	C			Dull, friable, some very hard chunks.
	37.26	37.38	0.12	0.12	100%	37.55	37.67	0.12	0.12	100%		488		B	C			aa.
	37.38	37.50	0.00	0.00	0%			0.00	0.00						LO			0.12 Loss added to run below
11	37.50	39.00	1.50	1.65	110%													
	37.50	37.70	0.20	0.20	100%	37.67	37.87	0.20	0.20	100%		488		B/I	C	Y		Heavy, a little dirty, friable.
	37.70	38.04	0.34	0.34	100%	37.87	38.21	0.34	0.34	100%	EX			B/I	CM			CM parting- brown heavy.
	38.04	38.72	0.68	0.68	100%	38.21	38.89	0.68	0.68	100%		488	26	I	C			Shiny, some comp. powder, some flakey, fractures at 50°, same as above.
	38.72	39.00	0.28	0.43	154%	38.89	39.32	0.43	0.43	100%		489			C			fractures at 50°. Same as above
12	39.00	40.50	1.50	1.52	101%													
	39.00	39.57	0.57	0.57	100%	39.32	39.89	0.57	0.57	100%		489	20.2		C	N		Dull, comp. powder, some shiny surfaces, friable, light, breaks along slickenside surfaces.
	39.57	40.52	0.95	0.95	100%	39.89	40.84	0.95	0.95	100%		490	24.2		C	Y		aa- calcite, v. shiny and slick, fault faces- slicken side.
13	40.50	42.00	1.50	1.41	94%													
	40.50	41.50	1.00	1.00	100%	40.84	41.84	1.00	1.00	100%		491	23.2	I	C	Y		Comp. powder and flakes- aa.
	41.50	41.80	0.30	0.30	100%	41.84	42.14	0.30	0.30	100%		492		I	C			aa.
	41.80	41.91	0.11	0.11	100%	42.14	42.25	0.11	0.11	100%	EX			I	CM/C			Muddy parting, removed.
	41.91	42.00	0.01	0.00	0%			0.00	0.00						LO			0.03 loss added tp gain from run 11, 0.02m from run 14, 0.03m from run 15
14	42.00	43.50	1.50	1.52	101%													

	42.00	42.24	0.24	0.24	100%	42.25	42.49	0.24	0.24	100%		492	I	C	N	Flakey, med. Shiney, some comp. powder.
	42.24	42.34	0.10	0.10	100%	42.49	42.59	0.10	0.10	100%	EX			CM		Muddy parting.
	42.34	42.80	0.46	0.46	100%	42.59	43.05	0.46	0.46	100%		492	25.2 I	C	N	Dull, flakey, some comp. powder, breaks easily along fracture.
	42.80	43.50	0.70	0.72	103%	43.05	43.77	0.72	0.72	100%		493	I	C	Y	aa- calcite veining.
15	43.50	45.00	1.50	1.53	102%											
	43.50	43.78	0.28	0.28	100%	43.77	44.05	0.28	0.28	100%		493	20.8 I/B	C	Little	2cm parting removed(SLT), soft some comp. powdersome v. shining most med. Shine.
	43.78	44.53	0.75	0.75	100%	44.05	44.80	0.75	0.75	100%		494	19.2 I/B	C	N	aa.
	44.53	44.78	0.25	0.25	100%	44.80	45.05	0.25	0.25	100%	EX		I/B	SLT	N	Removed parting SLT, very dark brown.
	44.78	45.00	0.22	0.25	114%	45.05	45.30	0.25	0.25	100%		495	B	C	N	Some comp. powder, some v. shiny flakes.
16	45.00	46.50	1.50	1.55	103%											
	45.00	45.75	0.75	0.75	100%	45.30	46.05	0.75	0.75	100%		495	21.4 I	C	Y	Dense, slickenside, med. Shine, hard.
	45.75	46.55	0.80	0.80	100%	46.05	46.85	0.80	0.80	100%		496	22 I	C	Y	aa. Minor cm parting at bottom, rock chunks removed (5cm).
17	46.50	48.00	1.50	1.64	109%											
	46.50	46.75	0.25	0.25	100%	46.85	47.10	0.25	0.25	100%	EX		B	C/CM	N	Mixed (coal grading to cm) coal with cm parting, broken.
	46.75	46.95	0.20	0.20	100%	47.10	47.30	0.20	0.20	100%		496	I	C/CM	N	Bright, flakey, 2cm cm parting.
	46.95	47.05	0.10	0.10	100%	47.30	47.40	0.10	0.10	100%		497	23.8 I	C/CM	N	aa. No parting.
	47.05	47.24	0.19	0.19	100%	47.40	47.59	0.19	0.19	100%	EX		I	CM	N	Rock parting- brown/grey.
	47.24	47.44	0.20	0.20	100%	47.59	47.79	0.20	0.20	100%		497	I	C	N	Flakey, friable.
	47.44	48.14	0.70	0.70	100%	47.79	48.49	0.70	0.70	100%	EX		I	CM	N	Brown/grey rock parting in minor coal bands.
18	48.00	49.50	1.50	1.56	104%											
	48.00	48.08	0.08	0.08	100%	48.49	48.57	0.08	0.08	100%	EX		B	CM	N	aa.
	48.08	48.54	0.46	0.46	100%	48.57	49.03	0.46	0.46	100%		497	B	C	Little	Bright, friable, heavy, slickensideds, dirty, flakey.
	48.54	48.59	0.05	0.05	100%	49.03	49.08	0.05	0.05	100%	EX		I	CM	N	Almost coal- cm mixed with coal, heavy, brown.
	48.59	48.83	0.24	0.24	100%	49.08	49.32	0.24	0.24	100%		497	I	C	N	Flaky, friable.
	48.83	49.28	0.45	0.45	100%	49.32	49.77	0.45	0.45	100%		498	23.6 I	C	N	Brown tinge, dull, dirty.
	49.28	49.33	0.05	0.05	100%	49.77	49.82	0.05	0.05	100%	EX		I	CM	N	cm, brown, faulting.
	49.33	49.56	0.23	0.23	100%	49.82	50.05	0.23	0.23	100%		498	B	C	N	Bright, light, dry, friable.
19	49.50	51.00	1.50	1.46	97%											
	49.50	49.82	0.32	0.32	100%	50.05	50.37	0.32	0.32	100%		498	B	C	N	Some bright bands, mostly dull, friable, light.
	49.82	50.96	1.14	1.14	100%	50.37	51.51	1.14	1.14	100%		499	21.2 I	C	N	5cm cm parting, dull, friable, sheared.
	50.96	51.00	0.00	0.00	0%			0.00	0.00					LO		Another 5cm parting 50cm into sample (partings removed) soft, faulted, very bottom of run is rocky again
20	51.00	52.50	1.50	1.54	103%											
	51.00	51.15	0.15	0.15	100%	51.51	51.66	0.15	0.15	100%	Ex		I	CM	N	v. dark SLT/CM almost coal- very heavy.
	51.15	52.15	1.00	1.00	100%	51.66	52.66	1.00	1.00	100%		500	27.2 I	C	N	4cm parting removed, hard, flakey sheared sections, PY, slickenside blocky sections.
	52.15	52.35	0.20	0.20	100%	52.66	52.86	0.20	0.20	100%	R342779		B	C	N	Sheared, shiny, slickenside, friable.
	52.35	52.50	0.15	0.19	127%	52.86	53.05	0.19	0.19	100%	EX		B	SLT/CM	N	Almost coal, brown streak, hard, heavy. 0.04m gain removed from loss in previous run.
21	52.50	54.00	1.50	1.58	105%											aa.
	52.50	52.55	0.05	0.05	100%	53.05	53.10	0.05	0.05	100%	EX		B	SLT/CM	N	Friable, heavy, hard, flakey.
	52.55	52.65	0.10	0.10	100%	53.10	53.20	0.10	0.10	100%		779	B	C	N	Rock- brown/grey, v. dark.
	52.65	54.00	1.35	1.35	100%	53.20	54.55	1.35	1.35	100%	EX		I	SLT/CM	N	Shiney, flakey, friable, heavy.
	54.00	54.08	0.08	0.08	100%	54.55	54.63	0.08	0.08	100%		779	10.6 B	C	N	
22	54.00	55.50	1.50	1.53	102%											
	54.00	55.53	1.53	1.53	100%	54.63	56.16	1.53	1.53	100%			B	CM		Black/brown, carbonaceous, sheared, fractured, last 10cm is shale.
23	55.50	56.50	1.00	1.00	100%											
	55.50	56.50	1.00	1.00	100%	56.16	57.16	1.00	1.00	100%			B	CM		CM/shale, sheared and fractured.
									5.14							*EOH:56.5*
									24.02							

CanAus Coal Ltd.
Large Diameter (6") Core Description

Hole: MH16CC-11

Northing: 5485773.000
Easting: 665073
Elevation: 2159m

UTM System: NAD 83

Hole Orientation: Vertical
Hole Type: 6 inch/15cm core
Logged by: BC/H. Evans

Property: Michel Head
Seam: 9.00
Total Depth:
Date: 16/06/23-24

Cased to: 6m
Core point: 23m below ground level

Run #	Driller's Depths From	To	Interval	Recovered m	Recovered %	Corrected Depths From	To	Interval	Recovered m	Recovered %	BCN	Sample #	Sample Mass (kg)	Core Quality	Lith Code	Seam	Acid Test Fizz Y/N?	Description
																		Rig 130- Good Earth
																		Driller: Dwayne Gross and Davin Woolman
1	23.00	24.20	1.20	1.11	93%													
				0.07											mst			Sharp contact, hw.
	23.07	24.40		1.04		23.10	24.14		1.04			R342780	28.6	intact	C	9	Y	Coal, soft to hard/ shiny w. a little fizz in the harder portion.
2	24.20	25.70	1.50	1.55	103%													
	24.11	25.11		1.00		24.14	25.14		1.00			781	24	intact	C	9	N	Coal, soft/shiny.
3	25.70	27.20	1.50	1.60	107%													
		26.11		0.45		25.14	25.59		0.45			782	22.2	intact	C	9	N	Coal aa. (Missed photo)
		27.26		1.15		25.59	26.74		1.15			783	30.6	intact	C	9	N	Coal aa. (Missed photo)
4	27.20	28.75	1.55	1.56	101%													
		28.26		1.00		26.74	27.74		1.00			784	28	intact	C	9	Y/N	Coal soft/shiny,little fizz where the coal firms up.
				0.56		27.74	28.30		0.56			785		intact	C	9	N	Coal soft/shiny.
5	28.75	30.33	1.58	1.44	91%													
		29.26		0.44		28.30	28.74		0.44			785	29.2	intact	C	9	N	Coal, hard to v. hard/ shiny. (Missed photo)
		30.26		1.00		28.74	29.74		1.00			786	26.4	intact	C	9	Y	Coal, v. hard/ shiny. (Missed photo)
6	30.30	31.80	1.50	1.48	99%													
		31.26		1.00		29.74	30.74		1.00			787	24	intact	C	9	N	Coal, firm to hard/ shininy.
	31.26			0.48		30.74	31.22		0.48			788		intact	C	9	N	Coal, firm but softening/ shiny.
7	31.80	33.30	1.50	1.67	111%													
		32.26		0.52		31.22	31.74		0.52			788	23.4	intact	C	9	Y	Coal, soft to hard, fizzy.
		33.41		1.15		31.74	32.89		1.15			789	27.2	intact	C	9	Y	aa.
8	33.30	34.80	1.50	1.50	100%													
		34.41		1.00		32.89	33.89		1.00			790	22.6	intact	C	9	N	Coal, soft to hard/ shiny, a little fizz in harder sections
				0.50		33.89	34.39		0.50			791		intact	C	9	N	aa.
Hillary	starts logging																	
9	34.80	36.00	1.20	1.25	104%								791	22.6	B	C	N	Soft, flakey, shiny, friable.
		35.41		0.50		34.39	34.89		0.50			792		B	C	N	aa.
				0.75		34.89	35.64		0.75									
10	36.00	37.50	1.50	1.54	103%													
				0.25		35.64	35.89		0.25			792	24	I	C		Y	aa- hard high calcite sections.
				1.00		35.89	36.89		1.00			793	21.8	I	C		Y	aa.
				0.29		36.89	37.18		0.29			794		I	C		Y	aa.
11	37.50	39.00	1.50	1.55	103%													*took sample before photo*

				0.71		37.18	37.89	0.71			794	25.2	I	C	Y	Friable, flakey, med. Shiny.
				0.84		37.89	38.73	0.84			795		I	C	Y	aa.
12	39.00	40.50	1.50	1.45	97%											
				0.16		38.73	38.89	0.16			795	21	B	C	Y	Friable, med. Shiny, Ca present
				1.00		38.89	39.89	1.00			796	21.2	I/B	C	Y	Sheared, flakey, med. shine.
				0.15		39.89	40.04	0.15		EX			I	CM	Y	Mud parting removed.
				0.14		40.04	40.18	0.14			797		B	C	Y	Broken, calcite, dirty coal.
13	40.50	42.00	1.50	1.66	111%											
				0.86		40.18	41.04	0.86			797	23.2	B/I	C	Y	v. hard, v. heavy, high Ca, fractured.
				0.30		41.04	41.34	0.30			798		B/I	C	Y	aa.
				0.20		41.34	41.54	0.20		EX			I	CM	N	Cm parting removed.
				0.30		41.54	41.84	0.30			798		I	C	N	Heavy, hard, med. Shine, solid.
14	42.00	43.50	1.50	1.53	102%											
				0.40		41.84	42.24	0.40			798	21.8	I/B	C	N	Sheared, hard, dull.
				1.00		42.24	43.24	1.00			799	20.8	I	C	Y	A lot of calcite, v. hard, med. Shine, solid.
				0.13		43.24	43.37	0.13	R341		711		B	C	Y	Hard, a little brownish but friable.
15	43.50	45.00	1.50	1.50	100%											
				0.15		43.37	43.52	0.15			711	22	I	CM		Mud parting removed contact at 55°.
				0.87		43.52	44.39	0.87			712		I	C	N	Fractured, hard, heavy, a bit brownish
				0.48		44.39	44.87	0.48					I	C	N	aa.
16	45.00	46.50	1.50	1.48	99%											
				0.52		44.87	45.39	0.52			712	24.2	I	C	N	Solid, flakey, friable, bright bits
				0.96		45.39	46.35	0.96			713	21	I	C	N	aa-bright, 10cm parting removed.
17	46.50	48.00	1.50	1.55	103%											
				1.00		46.35	47.35	1.00			714	24.2	I	C	Y	Some dull, some bright, slickensides.
										EX						3 times, cm partings removed.
				0.55		47.35	47.90	0.55			715		I	C	Y	v. bright and friable.
18	48.00	49.50	1.50	1.49	99%											
				0.45		47.90	48.35	0.45			715	20.2	I	C	N	Hard heavy, dense, friable.
				1.04		48.35	49.39	1.04			716	27.2	I	C	Y	Sheared, aa.
19	49.50	51.00	1.50	1.56	104%											
				1.56										SLT		Very carbon rich- coal stringers throughout.
											717	5.2	I	C	N	Sampled 20cm of coal that was interbedded throughout- sample is likely dirty and not that great.
20	51.00	52.00	1.00	1.46	146%											
				1.46					25°				I	SLT/SHL		Carbon rich SIT/SHL- bedding 25°.
21	52.50	54.00	1.50	1.55	103%											
				1.55									I	SH/SHL		aa- sheared.
																EOH

CanAus Coal Ltd.

Large Diameter (6") Core Description

Hole:	**MH16CC-12**																	
Northing:	5485763.000			**UTM System:**	NAD 83				**Hole Orientation:**	Vertical			**Property:**	**Loop Ridge**		**Cased to:**	6m	
Easting:	**665068**								**Hole Type:**	6 inch/15cm core			**Seam:**	**9.00**		**Core point:**	**22m**	
Elevation:	**2179m**												**Total Depth:**	**53.9m**				
									Logged by:	M. Lennox/A.Cousins			**Date:**	**25-July 4, 2016**				

	Driller's Depths					Corrected Depths												
				Recovered					Recovered				Sample Mass					
Run #	From	To	Interval	m	%	From	To	Interval	m	%	BCN	Sample #	(kg)	Core Quality	Lith Code	Seam	Acid Test Fizz Y/N?	Description
1	22.00	23.00	1.00	0.90	90%													
	22.00	22.56	0.56	0.56										Broken	MS		Y	brown, brown streak, soft, fractured, calcite infilling fractures, sharp contact with coal @ 45° to core normal
	22.56	22.66	0.10	0.10								718	24.6		C	9		stringer, soft sheared, bright banding
	22.66	23.00	0.34	0.24								EX			CM			black, soft, sheared, sharp contact with coal @ 45°
2	23.00	24.20	1.20	1.20	100%													
	23.00	23.90	0.90	0.90		23.00	23.90	0.90	0.90	100%		718		Broken/Intact	C	9		contact with CM not seen
	23.90	24.20	0.30	0.30		23.90	24.20	0.30	0.30	100%		719	18.2	Broken/Intact	C	9		aa. Broken at bottom of run (shoe)
3	24.20	24.80	0.60	0.57	95%													
	24.20	24.80	0.60	0.57		24.20	24.77	0.57	0.57	100%		719		Broken/Intact	C	9		aa. Very broken top and bottom of run, 1cm parting @ 24.3m. Somke very small mud clasts throughout >1cm
4	24.80	26.30	1.50	1.52	101%													
	24.80	25.80	1.00	1.00		24.77	25.77	1.00	1.00	100%		720	21.8	Intact	C	9		aa. Dull, harder but breaks easily at 45° bcn
	25.80	26.30	0.50	0.52		25.77	26.29	0.52	0.52	100%		721	14.2	broken	C	9		aa. Broken at bottom (shoe)
																		drill broke down
Abby, July 4, 2016																		
5	26.30	27.50	1.20	1.15	96%													
						26.29	26.39	0.10	0.10	100%								loss
	26.30	26.60	0.30	0.30		26.39	26.69	0.30	0.30	100%		722	24.8	intact	C	9	Y	dull, muddy, soft
	26.60	27.00	0.40	0.40		26.69	27.09	0.40	0.40	100%		EX		broken	MS		N	coaly, slickenside fractured surfaces
	27.00	27.50	0.50	0.45		27.09	27.54	0.45	0.45	100%		722		intact/broken	C	9	N	broken from shoe, muddy at top, dull, soft
6	27.50	29.00	1.50	1.61	107%													
	27.50	27.78	0.28	0.28		27.54	27.82	0.28	0.28	100%		722		intact	C	9	N	dull, soft
	27.78	27.88	0.10	0.10		27.82	27.92	0.10	0.10	100%		EX		intact	CM		Y	
	27.88	28.88	1.00	1.00		27.92	28.92	1.00	1.00	100%		723	23.2	intact	C	9	N	dull, muddy, soft, sheared
	28.88	29.00	0.12	0.23		28.92	29.15	0.23	0.23	100%		724	26	broken	C	9	N	aa. Broken from shoe
7	29.00	30.50	1.50	1.40	93%													
	29.00	29.77	0.77	0.77		29.15	29.92	0.77	0.77	100%		724		broken	C	9	N	soft, sheared, broken
	29.77	30.40	0.63	0.63		29.92	30.55	0.63	0.63	100%		725	25.6	intact	C	9	N	mostly soft, hard band near middle
	30.40	30.50	0.10	0.10		30.55	30.55	0.00	0.00	0%				loss				
8	30.50	32.00	1.50	1.55	103%													
	30.50	30.87	0.37	0.37		30.55	30.92	0.37	0.37	100%		725		intact	C	9		muddy, sheared, slickensided, hard in parts
	30.87	31.87	1.00	1.00		30.92	31.92	1.00	1.00	100%		726	24.6	intact	C	9		muddy, dull, soft
	31.87	32.00	0.18	0.18		31.92	32.10	0.18	0.18	100%		727	25.6	intact/broken	C	9		soft, sheared
9	32.00	33.50	1.50	1.50	100%													

Run #	Driller's Depths From	To	Interval	Recovered m	%	Corrected Depths From	To	Interval	Recovered m	%	BCN	Sample #	Sample Mass (kg)	Core Quality	Lith Code	Seam	Acid Test Fizz Y/N?	Description
	32.00	32.82	0.82	0.82		32.10	32.92	0.82	0.82	100%		727		intact	C	9	N	broken from being partially stuck in split, soft, sheared, harder at top
	32.82	33.50	0.68	0.68		32.92	33.60	0.68	0.68	100%		728	22.8	intact	C	9	Y	aa. Small amount of HCl reaction
10	33.50	35.00	1.50	1.61	107%													
	33.50	33.82	0.32	0.32		33.60	33.92	0.32	0.32	100%		728		intact	C	9	Y	small mud band ~ 1cm near middle removed, soft, sheared
	33.82	34.82	1.00	1.00		33.92	34.92	1.00	1.00	100%		729	25.2	intact	C	9	N	muddy, soft
	34.82	35.00	0.18	0.29		34.92	35.21	0.29	0.29	100%		730	22.8	broken	C	9	N	soft and sheared
11	35.00	36.50	1.50	1.55	103%													
	35.00	35.71	0.71	0.71		35.21	35.92	0.71	0.71	100%		730		intact	C	9	N	soft, sheared
	35.71	36.50	0.74	0.75		35.92	36.67	0.75	0.75	100%		731	26.4	intact	C	9	N	aa. Muddy in parts
	36.50	36.50	0.00	0.09		36.67	36.76	0.09	0.09	100%		EX		broken	C/CM	9	Y	mixed with MST and carbonaceous material, broken from shoe, hard
12	36.50	38.00	1.50	1.46	97%													
	36.50	36.82	0.32	0.32		36.76	37.08	0.32	0.32	100%		731		intact	C	9	Y	hard, mudstone streaks
	36.82	37.07	0.25	0.25		37.08	37.33	0.25	0.25	100%		731		intact	C	9	N	sheared, slickenside, blocky, hard
	37.07	37.41	0.34	0.34		37.33	37.67	0.34	0.34	100%		732	21.4	intact	C	9	Y	minor HCl
	37.41	37.69	0.28	0.28		37.67	37.95	0.28	0.28	100%		EX		intact	CM		Y	hard, dark brown streak
	37.69	38.00	0.31	0.27		37.95	38.22	0.27	0.27	100%		732		broken	C	9	N	soft, sheared
13	38.00	39.50	1.50	1.49	99%													
	38.00	38.21	0.21	0.21		38.22	38.43	0.21	0.21	100%		732		intact/broken	C	9	Y	minor HCl reaction, hard, sheared at base
	38.21	39.21	1.00	1.00		38.43	39.43	1.00	1.00	100%		733	23.2	intact	C	9	N	soft with occasional hard sections, sheared at base
	39.21	39.50	0.29	0.28		39.43	39.71	0.28	0.28	100%		734	22.6	intact	C	9	N	soft, sheared
14	39.50	41.00	1.50	1.38	92%													
	39.50	40.02	0.52	0.52		39.71	40.23	0.52	0.52	100%		734		intact	C	9	N	soft, sheared
	40.02	40.07	0.05	0.05		40.23	40.28	0.05	0.05	100%		EX		intact	MS		N	light brown
	40.07	40.29	0.22	0.22		40.28	40.50	0.22	0.22	100%		734		intact	C	9	N	aa.
	40.29	41.00	0.71	0.59		40.50	41.09	0.59	0.59	100%		735	21.4	intact	C	9	N	harder than coal above, dull, sheared
15	41.00	42.50	1.50	1.55	103%													
	41.00	41.48	0.48	0.48		41.09	41.57	0.48	0.48	100%		735		intact	C	9	N	aa. ~1cm MS parting removed
	41.48	42.28	0.80	0.80		41.57	42.37	0.80	0.80	100%		736	23.6	intact	C	9	N	hard, dull, sheared
	42.28	42.44	0.16	0.16		42.37	42.53	0.16	0.16	100%		EX			CM		Y	coaly, minor HCl reaction, dark brown streak
	42.44	42.50	0.06	0.11		42.53	42.64	0.11	0.11	100%		736			C	9	N	soft, sheared
16	42.50	44.00	1.50	1.62	108%													
	42.50	43.50	1.00	1.00		42.64	43.64	1.00	1.00	100%		737	23	intact	C	9	Y	muddy in part, 2cm parting removed, sheared, very minor HCl reaction, mostly soft but has harder bands within coal- could be CM
	43.50	44.00	0.50	0.62		43.64	44.26	0.62	0.62	100%		738	25	intact	C	9	N	softer than coal above, sheared
17	44.00	45.50	1.50	1.40	93%													
	44.00	44.38	0.38	0.38		44.26	44.64	0.38	0.38	100%		738		intact	C	9	N	soft, sheared, MS parting at top removed ~4cm
	44.38	44.73	0.35	0.35		44.64	44.99	0.35	0.35	100%		739	30	intact	C	9	N	aa
	44.73	45.03	0.30	0.30		44.99	45.29	0.30	0.30	100%		EX		intact	CM		Y	coaly at top
	45.03	45.50	0.47	0.37		45.29	45.66	0.37	0.37	100%		739		intact	C	9	N	harder at top, soft, sheared
18	45.50	47.00	1.50	1.55	103%													
	45.50	45.65	0.15	0.15		45.66	45.81	0.15	0.15	100%		739		intact	C	9	N	aa.
	45.65	46.40	0.75	0.75		45.81	46.56	0.75	0.75	100%		EX		intact	MS		Y	carbonaceous in part ~10cm coal band near middle, soft coal sampled (may be a bit more than 1m)

	Driller's Depths					Corrected Depths							Sample Mass		Lith Code	Seam	Acid Test	
				Recovered					Recovered								Fizz	
Run #	From	To	Interval	m	%	From	To	Interval	m	%	BCN	Sample #	(kg)	Core Quality			Y/N?	Description
	46.40	46.59	0.19	0.19		46.56	46.75	0.19	0.19	100%		739		intact	C	9	Y	soft, muddy, dull, sheared
	46.59	47.00	0.41	0.46		46.75	47.21	0.46	0.46	100%		740	26.8	intact	C	9	Y	soft, sheared, muddy
19	47.00	48.50	1.50	1.45	97%													
	47.00	47.10	0.10	0.10		47.21	47.31	0.10	0.10	100%		740		intact	C	9	N	muddy. Soft, sheared
	47.10	48.10	1.00	1.00		47.31	48.31	1.00	1.00	100%		EX		intact	MS		N	4cm coal band near top- not sampled, sheared, light brown when scratched
	48.10	48.50	0.40	0.35		48.31	48.66	0.35	0.35	100%		740		intact	C	9	N	soft, sheared, muddy
20	48.50	50.00	1.50	1.60	107%													
	48.50	48.60	0.10	0.10		48.66	48.76	0.10	0.10	100%		740		intact	C	9	N	aa.
	48.60	49.40	0.80	0.80		48.76	49.56	0.80	0.80	100%		741	28.2	intact	C	9	Y	hard, muddy, small partings removed (2x 1cm)
	49.40	49.64	0.24	0.24		49.56	49.80	0.24	0.24	100%		EX		intact	CM		Y	coaly
	49.64	49.84	0.20	0.20		49.80	50.00	0.20	0.20	100%		741		intact	C	9	Y	hard, muddy, sheared
	49.84	50.00	0.16	0.26		50.00	50.26	0.26	0.26	100%		742	24	broken/intact	C	9	Y	aa.
21	50.00	51.50	1.50	1.38	92%													
	50.00	50.55	0.55	0.55		50.26	50.81	0.55	0.55	100%		742		intact	C	9	N	muddy, sheared
	50.55	51.50	0.95	0.83		50.81	51.64	0.83	0.83	100%		EX		intact	MS		N	Carbonaceous and coal at top, light brown
22	51.50	52.40	0.90	1.00	111%													
	51.50	52.50	1.00	1.00		51.64	52.64	1.00	1.00	100%		EX		broken	SLT		Y	muddy, sheared
23	52.40	53.90	1.50	1.65	110%													
	52.50	53.10	0.60	0.60		52.64	53.24	0.60	0.60	100%				broken	MS		N	sheared
	53.10	53.45	0.35	0.35		53.24	53.59	0.35	0.35	100%				broken	C/MS		N	very sheared, very muddy, soft stringer
	53.45	54.15	0.70	0.70		53.59	54.29	0.70	0.70	100%				broken	MS		N	sheared, solid at base
																		EOH: 53.9m

CanAus Coal Ltd.

Large Diameter (6") Core Description

Hole:	**MH16CC-13**																	
Northing:	5485763.000			**UTM System:**	NAD83				**Hole Orientation:**	Vertical			**Property:**	**Loop Ridge**		**Cased to:**	6m	
Easting:	**665068**								**Hole Type:**	6 inch/15cm core			**Seam:**	**9.00**		**Core point:**	**22.5m**	
Elevation:	**2179m**												**Total Depth:**	**54.5m**				
									Logged by:	H.Evans/ A. Cousins			**Date:**	**2016-07-05**				

	Driller's Depths					Corrected Depths												
				Recovered					Recovered				Sample Mass					
Run #	**From**	**To**	**Interval**	**m**	**%**	**From**	**To**	**Interval**	**m**	**%**	BCN	Sample #	(kg)	Core Quality	Lith Code	Seam	Acid Test Fizz Y/N?	Description
Hilary																		
1	22.50	24.00	1.50	1.68	112%				1.68									
				0.70					0.70		20°			intact	MST		N	some small stringers above a sharp contact
				0.98		22.90	23.88	0.98	0.98	100%		R341743	21.2	intact	C	9	N	some compressed powder, shiny, bright, some slickenside surfaces
2	24.00	25.70	1.70	1.70	100%				1.70									
				1.00		23.88	24.88	1.00	1.00	100%		744	24.4	intact	C	9	N	as above. With ~2cm mst parting removed
				0.70		24.88	25.58	0.70	0.70	100%		745	22.8	intact	C	9	Y	aa. Some calcite infill
3	25.70	27.25	1.55	1.70	110%				1.70									
				0.30		25.58	25.88	0.30	0.30	100%		745		intact	C	9	y	aa. Very shiny and friable
				1.00		25.88	26.88	1.00	1.00	100%		746	26.4	intact	C	9	Y	aa. Some compressed powder, some flakey
				0.40		26.88	27.28	0.40	0.40	100%		747	25.2	intact	C	9	Y	very friable, ~2cm MST parting removed
4	27.25	28.75	1.50	1.55	103%				1.55									
				0.60		27.28	27.88	0.60	0.60	100%		747		intact	C	9	Y	aa. Very shiny and friable
				0.95		27.88	28.83	0.95	0.95	100%		748	24.4	intact	C	9		aa.
Abby																		
5	28.75	30.30	1.55	1.65	106%				1.65									
				1.00		28.83	29.83	1.00	1.00	100%		749	24	intact	C	9	N	soft, harder at top
				0.65		29.83	30.48	0.65	0.65	100%		750	25.6	intact	C	9	N	soft, sheared
6	30.30	31.90	1.60	1.70	106%				1.70									
				0.35		30.48	30.83	0.35	0.35	100%		750		intact	C	9	Y	very minor HCl reaction, med-hard, slickensided
				1.00		30.83	31.83	1.00	1.00	100%		R342751	22.2	intact	C	9	Y	softer than above, dull, sheared
				0.35		31.83	32.18	0.35	0.35	100%		752	25.2	intact/broken	C	9	N	soft, sheared, broken from shoe
7	31.90	33.50	1.60	1.57	98%				1.57									
				0.65		32.18	32.83	0.65	0.65	100%		752		intact	C	9	Y	minor HCl reaction, med-hard, dull, slickensided
				0.92		32.83	33.75	0.92	0.92	100%		753	21.8	intact/broken	C	9	Y	harder at top, softer and broken at base
8	33.50	35.00	1.50	1.55	103%				1.55									
				1.00		33.75	34.75	1.00	1.00	100%		754	21.2	intact	C	9	Y	hard, muddy, 5cm MST parting removed from middle
				0.55		34.75	35.30	0.55	0.55	100%		755	24	intact	C	9	N	soft, sheared
9	35.00	36.50	1.50	1.47	98%				1.47									
				0.45		35.30	35.75	0.45	0.45	100%		755		intact	C	9	N	soft, sheared

	Driller's Depths					Corrected Depths							Sample Mass		Lith Code	Seam	Acid Test	
				Recovered					Recovered								Fizz	
Run #	From	To	Interval	m	%	From	To	Interval	m	%	BCN	Sample #	(kg)	Core Quality			Y/N?	Description
				0.55		35.75	36.30	0.55	0.55	100%		756	19.6	intact	C	9	N	aa. More fractured
				0.15		36.30	36.45	0.15	0.15	100%		EX		intact	CM		Y	hard, coaly, dense, heavy, brown streak
				0.32		36.45	36.77	0.32	0.32	100%		756		intact	C	9	N	soft, sheared
10	36.50	38.00	1.50	1.54	103%				1.54									
				1.00		36.77	37.77	1.00	1.00	100%		757	24	intact	C	9	N	aa
				0.54		37.77	38.31	0.54	0.54	100%		758	23.6	intact	C	9	N	aa
11	38.00	39.50	1.50	1.38	92%				1.38									
				0.46		38.31	38.77	0.46	0.46	100%		758		intact	C	9	N	soft, sheared, hard section near base
				0.48		38.77	39.25	0.48	0.48	100%		759	24	intact	C	9	N	soft, sheared
				0.12		39.25	39.37	0.12	0.12	100%		EX			MST		N	parting, hard, light brown
				0.32		39.37	39.69	0.32	0.32	100%		759	24	broken	C	9	N	soft, sheared, muddy
12	39.50	41.00	1.50	1.58	105%				1.58									
				0.20		39.69	39.89	0.20	0.20	100%		759		intact	C	9	Y	hard, dull, muddy, minor HCl reaction
				0.28		39.89	40.17	0.28	0.28	100%		760	24.4	intact	C	9	N	aa
				0.12		40.17	40.29	0.12	0.12	100%		EX		intact	MST		Y	
				0.72		40.29	41.01	0.72	0.72	100%		760		broken	C	9	N	med-hard, sheared, slickensided
				0.26		41.01	41.27	0.26	0.26	100%		761	21.8	broken	C	9	N	broken from shoe
13	41.00	42.50	1.50	1.37	91%				1.37									
				0.17		41.27	41.44	0.17	0.17	100%		761		intact	C	9	N	soft, sheared, dull
				0.15		41.44	41.59	0.15	0.15	100%		EX		intact	MST		N	parting, fractured
				0.57		41.59	42.16	0.57	0.57	100%		761		intact	C	9	Y	dull, muddy
				0.48		42.16	42.64	0.48	0.48	100%		762	21.6	intact	C		N	aa.
14	42.50	44.00	1.50	1.58	105%				1.50									
				0.52		42.64	43.16	0.52	0.52	100%		762			C	9	N	sheared, slickensided fractures, muddy in parts
				1.06		43.16	44.14	0.98	0.98	100%		763	26.4		C	9	Y	hard and muddy in middle, hard to distinguish coal or carb material, soft at base
15	44.00	45.50	1.50	1.55	103%				1.50									
				1.00		44.14	45.09	0.95	0.95	100%		R341695	23	intact	C	9	Y	very hard at top, muddy throughout, hard to distinguish coal. 4cm parting mid unit removed, softer towards base
				0.55		45.09	45.64	0.55	0.55	100%		696	19	intact	C	9	Y	sheared, dull, muddy
16	45.50	47.00	1.50	1.65	110%				1.57									
				0.36		45.64	45.92	0.28	0.28	100%		696		intact	C	9	N	sheared, becoming more muddy. 2cm parting removed, soft
				0.15		45.92	46.07	0.15	0.15	100%		EX		intact	CM		N	coaly throughout
				0.43		46.07	46.50	0.43	0.43	100%		697	22	intact	C	9	N	very muddy with MST lense at base
				0.71		46.50	47.21	0.71	0.71	100%		EX		intact	CM		N	coaly but majority CM, broken from shoe. Sheared, possilble coal at bottom but hard to tell
17	47.00	48.50	1.50	1.45	97%				1.45									
				0.57		47.21	47.78	0.57	0.57	100%		697			C	9	N	dull, muddy, soft, sheared, MST fragments at top
				0.88		47.78	48.66	0.88	0.88	100%		698	26.6		C	9	N	aa. ~2cm parting removed
18	48.50	50.00	1.50	1.65	110%				1.65									

	Driller's Depths					Corrected Depths							Sample Mass		Lith Code	Seam	Acid Test	
				Recovered					Recovered								Fizz	
Run #	From	To	Interval	m	%	From	To	Interval	m	%	BCN	Sample #	(kg)	Core Quality			Y/N?	Description
				0.45		48.66	49.11	0.45	0.45	100%		EX		intact	CM		N	some coal at top not sampled ~5cm
				0.12		49.11	49.23	0.12	0.12	100%		698		intact	C	9	N	muddy, dull, soft
				0.55		49.23	49.78	0.55	0.55	100%		699	15	intact	C	9	N	aa.
				0.53		49.78	50.31	0.53	0.53	100%		EX		intact	CM		N	coaly, sheared, and slickensided
19	50.00	51.50	1.50	1.52	101%				1.52									
				1.05		50.31	51.36	1.05	1.05	100%		EX		intact	MST		N	med-soft with sheared section in middle, calcite infilling fractures
				0.47		51.36	51.83	0.47	0.47	100%		EX		intact	CM		N	soft calcite veinlets, very sheared, occasional coal lenses, hard MST at base
20	51.50	53.00	1.50	1.59	106%				1.59									
				1.59		51.83	53.42	1.59	1.59	100%		EX			MST		N	calcite veinlets, soft with 2cm coal band at top, sheared throughout, coal also seen at bottom but in fragments from shoe
21	53.00	54.50	1.50	1.45	97%				1.45									
				0.50		53.42	53.92	0.50	0.50	100%		EX		broken	MST		N	light brown, sheared, slickensided fractures
				0.81		53.92	54.73	0.81	0.81	100%		EX		broken	MST		N	CM in parts, very sheared, soft
				0.14		54.73	54.87	0.14	0.14	100%		EX		broken	SLT		N	occasional calcite veinlets, very sheared, hard
																		EOH: 54.5m

Appendix C - Sample Summary

Seam	Sample ID	Description	Date
MH9	A04311	As-received	29-07-2016
MH9	A04354	Flot Conc Blend	10-08-2016
MH9	A04406	Spiral Rewash Conc Blended	18-08-2016
MH9	A04416	Spiral Midds Run #1 Blended	18-08-2016
MH9	A04418	Spiral Midds Run #2 Blended	18-08-2016
MH9	A04430	HMC First Pass Float Blended	01-09-2016
MH9	A04438	HMC REWASH FLOAT	12-09-2016
MH9	A04444	HMC REWASH SINK	12-09-2016
MH9	A04455	FINAL PRODUCT	19-09-2016
MH10	A04326	As-received	01-08-2016
MH10	A04362	Flot Conc Blend	11-08-2016
MH10	A04408	Spiral Conc Blended	18-08-2016
MH10	A04410	Spiral Midds Blended	18-08-2016
MH10	A04453	HMC Float Blended	14-09-2016
MH10	A04462	FINAL PRODUCT	21-09-2016
MH Blend	A04474	FINAL PRODUCT	26-09-2016
MH Blend	A04484	FINAL PRODUCT	25-10-2016

*as received samples represent a composite of all individual seam samples from each core hole.

Appendix E - Analytical and Processing Guidelines

Samples are to be maintained in refrigerated storage prior to processing

For each feed, lay the material onto the floor and homogenise with shovels.
If there is a small content of coarse particles, reduce their size manually by hand knapping.
If there is excessive coarse content, it might be necessary to reduce particle size with the role crusher set at about 25mm to 40mm topsize, prior to homogenising.

Reduce the feed to 15mm topsize with the roll crusher.
During the crushing phase, manually sample out a 50kg subsample which will be sent to GWIL.
If the roll crushing phase has to be repeated several times, make sure the 50kg subsample represents all phases of the crushing.

GWIL 50kg

The subsample needs to be freighted overnight to GWIL.
Subsample out a portion and analyse for:
Proximates, FSI, ash chemistry.

Subsample out a portion and wet size at 2mm and 0.25mm.
The +2mm and -2mm+0.25mm fractions are to float sunk at 1.30, 1.35, 1.40, 1.45, 1.50, 1.60, 1.80, 2.00 densities.
Proximates on each density fraction, and fractional FSI up to F1.60.

The -0.25mm fraction is to receive starvation lab flotation.
Proximates on each flotation fraction, FSI on the froths only.

Instructions will be provided to GWIL on a clean coal sample constructions.
Analysis on the clean coal sample is yet to be finalised.

Main Feed Sample

Wet sizing phase at 2mm and 0.25mm.
This can proceed on before we get data back from GWIL.
The +2mm fraction can be part dried on the floor to reduce moisture content
Place the coarse fraction back into refrigeration.

The -2mm+0.25mm can be stored in drums saturated with water in a cool place outside refrigeration

Collect the -0.25mm pulp in large tanks. Drain the supernatant off after about one day and transfer the concentrated pulp into manageable size containers. These can be stored for up to a week on the floor in a cool area.
Generally, coal particles (even very fine ones) settle quite quickly.
Clays don't. It doesn't matter if the supernatant has a hazy clay look to it.

Processing Sized Samples

No processing is to be undertaken prior to receipt of the analysis on the head subsample, from GWIL.

When processing of each sizing is complete, cut out a subsample to be sent to GWIL:
20kg +2mm product, note we may wash at 2 densities
10kg -2mm+0.25mm product and middlings
5kg -0.25mm product

Product Construction

No product construction is to be undertaken prior to receipt of the analysis on the head subsample, from GWIL.

Products can be constructed and homogenised on the floor with shovels and rakes.

Each product will be approximately 500kg in dry mass.
The product will be divided into three subsamples of typical mass:
30kg to ALS Australia
20kg to GWIL for analysis
450kg to CANMET for pilot scale carbonisation

Appendix F – Statement of Costs

2016 Michel Head Exploration

Statement of Costs

Major Budget Items	Contractor	Total ($)
Drilling	Good Earth Drilling	290,631
	Subtotal	**290,631**
Technical Services	Leeder Consulting Inc.	1,275
	Century Wireline	7,875
	Silenus Resources Management	1,730
	Bob Leach Pty.	35,615
	Cameron Enterprises	1,092
	Align Surveys Ltd.	434
	Subtotal	**48,020**
Analytical	Hazen Research (pilot wash)	98,005
	Birtley Coal & Minerals Testing	25,598
	Elk Valley Environmental Services	50
	Pearson & Associates	2,850
	Canmet	18,023
	ACIRL Pty Ltd. (ALS)	31,246
	Subtotal	**175,772**
Heavy Equipment	Down to Earth Excavating	5,726
	Subtotal	**5,726**
Safety	Trucut Logging (1st Aid)	14,280
	Subtotal	**14,280**
Licences and Permits	Ministry of Finance (BC)	3,625
	Jemi Fibre (option fee)	40,000
	CPR (road crossing)	100
	Subtotal	**43,725**
Personnel	CanAus Geologists (contract)	13,260
	Subtotal	**13,260**
Miscellaneous	Drilling Supplies & travel costs	13,258
	Manitoulin Transport (samples)	2,657
	Hexagon Software	15,453
	Subtotal	**31,368**
Total		**622,782**