manalta coal ltd.
line creek mine

November 27, 1998

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Barry:

Please find attached a copy of the Mt. Michael Geology Report covering the drilling that was carried out in 1996.

This report contains all of the raw data collected during this program and the cross-sections created using Line Creek's MEDS modeling software.

My apologies for the tardiness of this report, but other work commitments and the low priority attached to this project at Line Creek prevented this work from being completed any sooner.

If you have any questions, please call me.

Yours truly,

Ted Hannah.

Ted Hannah, P.Geol.
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Line Creek Mine

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Mount Michael Project
Southeastern British Columbia
1998 Geological Report

B.C. Coal Licenses

285, 286, 289, 290, 291, & 304

Held By:
Manalta Coal Ltd.

Operated By:
Line Creek Mine

Submitted: November, 1998

Report By: Jason Halko

Supervised By: Ted Hannah, P.Geol.
Sr. Geologist, Line Creek Mine

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MOUNT MICHAEL

1.0 SUMMARY

The Mount Michael Project area lies within the Upper Elk Coalfield in the Rocky Mountains of southeastern British Columbia. The name refers to the ridge that is between the Line Creek Project and the Saddle Project, encompassed by B.C. Coal Licences 285, 286, 289, 290, 291 and 304. It is two kilometers north of Manalta's Line Creek open pit mine development. A coal preparation plant and railway loading facility are 9.5 kilometers further away on the mine hauling road. From the plant site, it is approximately 27 kilometers to the town of Sparwood and 1150 kilometers to the Vancouver area coal ports.

In regional geological terms, the Horseshoe Ridge, Saddle and Mt. Michael projects are located on the eastern limb of the Fording Syncline. The Line Creek development is on the western limb of this syncline on the opposite side of Line Creek from Horseshoe Ridge. The surface topography follows the geological structure with some dip slopes on the synclinal limbs.

On Mount Michael there exists the entire early Cretaceous coal bearing Mist Mountain Formation of the Kootenay Group, plus it is repeated below the main package due to thrust faulting.

Work to date on Mt. Michael has consisted of some bulldozer trenching of the lower repeated package, which was re-examined in a reconnaissance manner in

1978 (reported in 1979) by Crows Nest Resources Limited. During the fall of 1980 a program of surface geological mapping and hand trenching was carried out on the west slopes of Mt. Michael. In 1981 a program of detailed geological mapping and extensive hand trenching was carried out. To date there have been 118 hand trenches dug, totaling over 775 meters in length. In 1996, 6 helicopter diamond drill holes, totaling 2477 meters were drilled on Mt. Michael, distributed along the entire length of the ridge.

From the data collected to date, 43 meters of coal lie within a 264 meter stratigraphic section under the western slopes of Mt. Michael. Additional exploration is required to fully evaluate the geometry, resource potential and structural complexity of the area.

2.0 INTRODUCTION

2.1 Location and Physiography

The Mount Michael licences are located 12 km southeast of Elkford in the Upper Elk Coalfield of southeastern B.C. They are centered at approximately 114° 45' 30" west longitude, 49° 58' north latitude (NTS Map Sheet 82G/15 Tornado Mountain). (Figure No.1) These licences (285, 290, 291, 304 and parts of 286 and 289) cover an area of 944 hectares.

In elevation, the property varies between 1800m and 2475m. A north trending ridge is the main physiographic feature, with a steep, east facing

slope and a more moderate west facing slope. The eastern slope has very little tree cover and has several avalanche chutes. Outcrop is fairly abundant, with some sandstone beds being exposed laterally over several hundred meters. Vegetation on the western slope varies from moderately thick spruce forest at the valley bottom to sub-alpine shrubs and grasses near the ridge top. Outcrop is rare on the lower slopes but becomes increasingly more common near the top of the ridge.

2.2 Access

Currently, only the lower elevations on Mt. Michael can be reached by vehicular traffic. On the east side, the Ewin Pass access road traverses across the lower part of the slope from Line Creek to Ewin Pass. On the west side an old fire access road along Dry Creek allows four-wheel drive access to the bottom of the west slope from the Fording Highway.

During the 1996 drilling program, a helicopter and heliportable rig were used to gain access to the top of the ridge.

3.0 SUMMARY OF WORK DONE

3.1 Previous Work

Prior to 1981, limited work had been completed on the Mt. Michael licenses. The Geological Survey of Canada published a geological report by R. A. Price (1961) which included the Mt. Michael project area. This

study by Price and subsequent report showed that the Mt. Michael area contained Jurassic/Cretaceous coal-bearing strata.

Prior to 1978, Crows Nest Industries explored the lower part of the eastern slope by bulldozer trenching while in the process of building the Ewin Pass access road. N. Elphinstone also covered the area briefly in the report on this reconnaissance in 1951.

John Fisher (1978) mapped the eastern slope as part of his reconnaissance mapping of the North Central Block for Crows Nest Resources Limited. He measured several stratigraphic sections and coal seams along the east slope. The west side of the ridge was reviewed briefly and one stratigraphic section was measured. The geology was plotted on 1:5,000 air photo blow-ups. Mr. Fisher made special note of a 6-meter thick seam seen roughly paralleling the top of the ridge, which he tentatively identified as the Number 7 seam. In his report he recommended examining that seam and several others in detail as they occurred in a dip slope situation.

In 1980, a four week program of field mapping at 1:5,000 scale and manual trenching of ten coal seams was carried out. This was reported in a report entitled Mount Michael, South Eastern British Columbia, 1980 Geological Report.

In 1981 a total of 600 hectares were mapped at 1:2,000 and 1:5,000 scale. Also, 108 hand trenches totaling 759 meters were dug through

selected coal seams. These coal seams were subsequently described in detail and sampled. True thickness stratigraphic sections of the trench logs were drawn up. As well, nine air photo targets were established and their locations surveyed in. This information was compiled in a report entitled Mount Michael Project, South Eastern British Columbia, 1981 Geological Report.

3.2 Scope and Objectives of the 1996 Program

The 1996 exploration program on Mt. Michael was planned to further explore the B.C. Coal Licenses 285, 286, 289, 290, 291 and 304.

The objective of the program was to determine the subsurface stratigraphy of Mt. Michael in order to compare it's mining potential with other key long term exploration targets at Line Creek.

3.3 Work Completed in 1996

- 6 helicopter diamond drill holes totaling 2,477 meters were drilled on the ridge of Mt Michael. For the drill hole summary see Figure No. 2. The U.T.M. co-ordinates of the 6 drill holes were determined using a Global Positioning System (GPS) (Figure No. 3). The Geology map at 1:5,000 scale, shows the drill hole locations (Appendix I). Drillhole seam intersections are located within Appendix II.

- All geophysical logging was completed through the drill rods. On each hole, gamma, density and deviation runs were completed (Appendix III).

- The core recovered from the 6 diamond drill holes were geologically logged at Manalta's Line Creek Mine. Core descriptions may be found in Appendix IV.

- Coal quality was determined as follows: Proximate analyses were completed on raw incremental samples and on clean composite samples at the Line Creek Lab. (Appendix V) Petrographic analysis was completed on selected samples by CANMET. (Appendix VI)

- A pre-1996 Medsystem Mine Modeling Software (MEDS) geological model already existed for the Mt. Michael Property based upon field mapping and extrapolations from the surrounding areas. The project area was remodeled in 1998 based upon the 1996 drilling. Updated cross sections at 1:5,000 scale can be found in Appendix VII.

4.0 GEOLOGY

4.1 Regional Stratigraphy

This report follows the stratigraphic nomenclature proposed by D. W. Gibson of the Geological Survey of Canada in 1979. Figure No. 4

illustrates the stratigraphic nomenclature, as proposed by Gibson, for the Jurassic/Cretaceous strata investigated.

Withdrawal of the Fernie Sea northeastward and deposition of the Kootenay Group strata were initiated by an epierogenetic uplift of the source area on the southwest during an early phase of the Columbian Orogeny in late Jurassic time.

Kootenay Group strata, a thick sequence of clastic sediments, represent a delta pro-gradation northeastward, an environment favorable for coal deposition. It is a transition from a marine (underlying shales of the Fernie Formation) to a fully alluvial (overlying conglomerates and coarse sandstones of the Blairmore Group) terrestrial environment.

Coal is present throughout the Kootenay Group strata, although all technically economic seams occur in the Mist Mountain Formation. The Moose Mountain Member of the Morrissey Formation and the Elk Formation lie respectively under and over the main coal bearing formation. Prior to 1979 these stratigraphic units were called the Moose Mountain, Coal Bearing and Elk Members of the Kootenay Formation.

The Moose Mountain Member is a resistant, generally cliff-forming unit comprised of massive, medium to coarse-grained, medium-gray weathering sandstone. There are commonly two coal horizons within this sandstone, but their small thickness (rarely over one meter) and the overlying massive sandstone make them unattractive for economic

consideration. The distinctive nature and prominence of this unit makes it an easily traceable marker horizon throughout the Crows Nest Coalfield of southeastern B.C.

The Mist Mountain Formation is the main coal-bearing unit of the Kootenay Group. It overlies the Moose Mountain Member with an abrupt but conformable contact.

It is comprised of a generally recessive, interbedded sequence of brownish tinted sandstones, gray to brown siltstones, gray and black shales, gray mudstones and coal seams. In the Elk Coalfield this formation ranges in thickness between 400 meters and 660 meters. The coal seams attain a maximum individual thickness of over 10 meters and a lateral extent of several kilometers.

The Elk Formation lies conformably but abruptly over the Mist Mountain Formation. It consists of an interbedded sequence of cliff forming sandstones, shales and siltstones and thin (less than 1 m), sporadic coal seams.

The exact base of the Elk Formation is somewhat arbitrary as it is defined as being "the base of the first major sandstone or conglomerate above the uppermost major coal seam in the Mist Mountain formation" (Gibson, 1979). Therefore the stratigraphic position of the Mist Mountain-Elk formational contact may vary slightly between project areas.

4.2 Regional Structure

The Mount Michael project area is affected by two main structural elements, the Fording Thrust Fault and the Fording Syncline.

The Fording Thrust has caused a repeat of the coal bearing Kootenay Group strata. The Fording Thrust and sequences of the lower plates outcrop along the steep east facing slopes and dip westward under the uppermost plate.

The northerly plunging Fording Syncline dominates the upper plate structures. Dry Creek is the surface expression of the synclinal axis with coal licences on the west limb (Burnt Ridge) being held by Fording Coal Ltd. The west facing slopes of the project area are the surface expression of the east limb of this syncline. This so-called dip slope situation is favorable for open pit mine development.

4.3 Mt. Michael Geology

In 1981 the surface outcropping of the Fording Thrust was located on the east slope of Mt. Michael. Kootenay Group strata, which occur below the thrust, are repeated in the upper plate. Near the southern half of the property Moose Mountain sandstone has been thrust over Elk Formation strata, indicating a vertical displacement of 400 to 600 meters along the fault.

Within the upper plate, trenching, mapping and drilling have revealed 10 to 12 coal seams, ranging between 1.5 and 7.2 meters in thickness. The identified coal seams include 2, 3LA, 4, 5L 7U, 7L, 8M, 8U, 8L, 8R, 10A and 10L. To facilitate modeling, feature codes have been designated to each of the seams, a description of which is presented in Figure No. 5. The aggregate thickness of these seams is 43 meters within a 264 meter stratigraphic section. This coal thickness does not include Seam 10, which occurs just above the Fording Thrust at the north and south ends of the property. This seam, which in trench MS-5 is has a true thickness of greater than 20 meters, has a strike length of over 2,000 meters but has been truncated by the thrust fault in the central portion of the property. A 150 to 200 meter section of recessive shales, siltstones and mudstones with only minor (i.e., less than 1.0 meter) coal seams separates Seam 10 from the rest of the major coal seams.

In the northern portion of the Mt. Michael property there is strong evidence for thrust faulting. Drill hole MM96-05 reveals repeated coal seams which leads us to this conclusion.

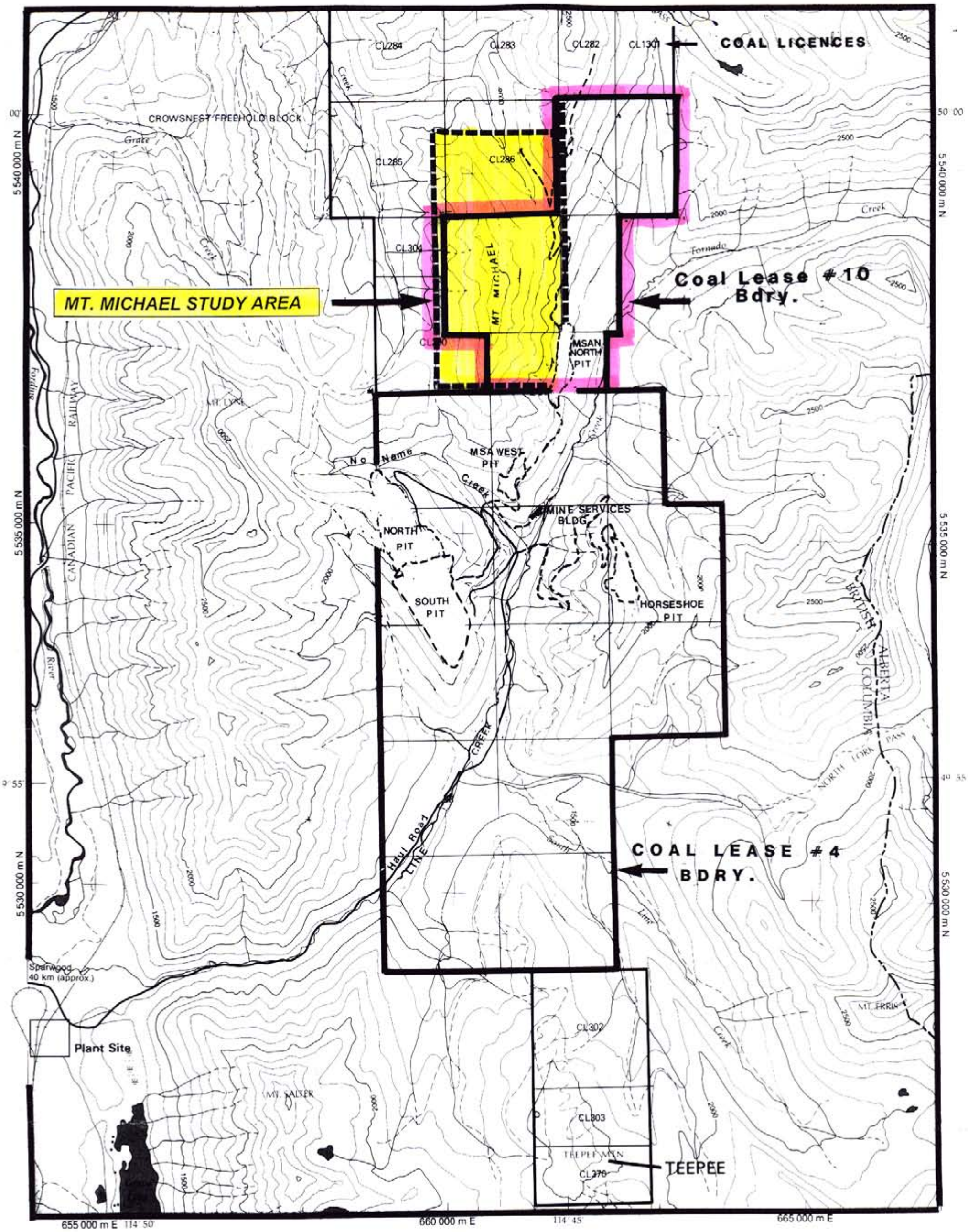
The dip in the east limb of the Fording Syncline on Mt. Michael generally decreases as one moves from the south to north. As well, the stratigraphic sequence gets thinner as you proceed north.

Because of the dip-slope situation, fault repeating and thinning stratigraphic sequence, Mt. Michael deserves further detailed exploration to reveal its future economic potential.

Bibliography

Hannah, T. Sharma, A. (1996) – Assessment Report for Saddle Surface Geophysics Project, 1996, Line Creek Resources Ltd.

White, A.M. (1982) – Mount Michael Project, South Eastern British Columbia, 1981 Geological Report, Crows Nest Resources Limited, Internal Report



Reference map produced by the Surveys and Mapping Branch, Department of Energy, Mines and Resources in 1975 and updated from 1974 Province of British Columbia 1:100 000 mapping. Metric contours were manually interpolated.

Scale 1:50 000

Kilometres 0.5 0 0.5 1.0 1.5 2.0 2.5 3.0 Kilometres

Miles 0.5 0 0.5 1.0 1.5 2.0 Miles

Contour Interval 100m

Transverse Mercator Projection

Universal Transverse Mercator Grid Zone II

Legend

- Road: Highway, Main road
- Road: Loose surface, Dry weather
- Track or trail
- Railway
- River
- Stream
- Contours (2000 / 1500)
- Licence boundary
- Licence group boundary
- Study Area

T.N. 1°43' Grid North

manalta coal ltd.

LINE CREEK

INDEX MAP
MT. MICHAEL STUDY AREA

Drawn by J.Halko	Date SEPTEMBER 1998
Chk'd by	File No.

Mt. Michael Drill-hole Summary

Drill-hole #	Total Depth (Meters)	Logs Run	Seams Intersected	Date Drilled
MM96-01	400	G, D, Dev	3LA, 4, 5L, 7U, 7L, 8M, 8U, 8L, 8R, 10A, 10L, CO	2-Aug-96
MM96-02	207	G, D, Dev	7L, 8M, 8U, 8L, 8R, 10A, 10L, CO	6-Aug-96
MM96-03	430	G, D, Dev	3LA, 4, 7U, 7L, 8M, 8U, 8L, 8R, 10A	4-Aug-96
MM96-04	487.7	G, D, Dev	3LA, 4, 5L, 7U, 7L, 8U, 8L, 8R, 10A, CO	14-Aug-96
MM96-05	639.2	G, D, Dev	3LA, 4, 5L, 7U, 7L, 8U, 8L, 8R, 8M, 10A	19-Aug-96
MM96-06	313	G, D, Dev	8M, 8U, 8R, 10A, CO	20-Aug-96

Total: 2476.9

where: G = Gamma Log
D = Density Log
Dev = Deviation Log

Figure No. 2

Mt. Michael Survey Data

Hole Number	Northing (U.T.M.)	Easting (U.T.M)	Elevation (Meters)	Angle (Degrees From Horizontal)	Azimuth (Degrees)
MM96-01	5539167.5	659934.9	2395.9	60	90
MM96-02	5539216.8	660095.6	2457.5	60	90
MM96-03	5538139.3	660101.8	2333.3	60	90
MM96-04	5537518.9	660314.4	2389.3	60	90
MM96-05	5540101.8	659319.6	2189.7	60	90
MM96-06	5538187.6	660358.2	2446.9	60	90

Figure No. 3

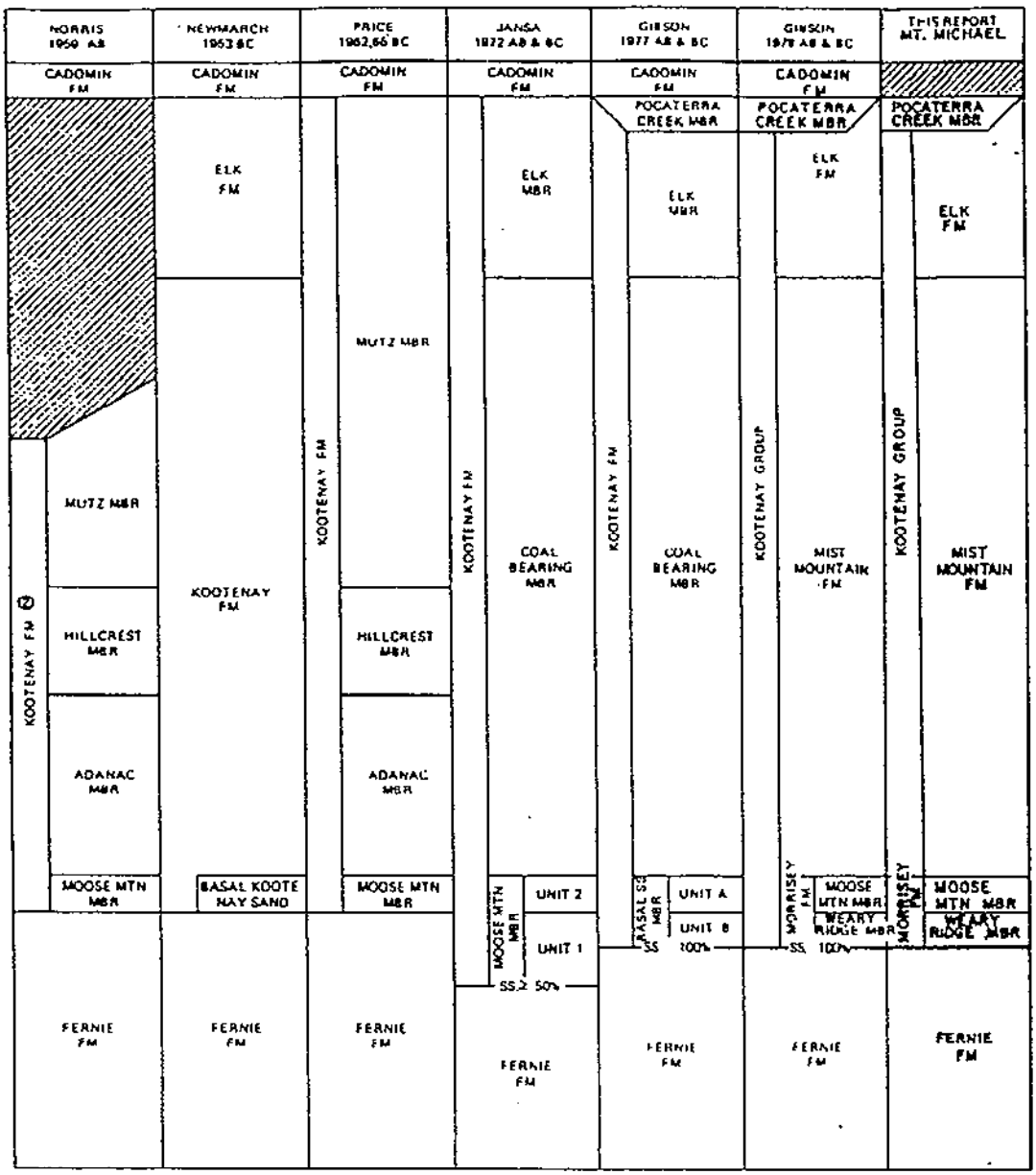
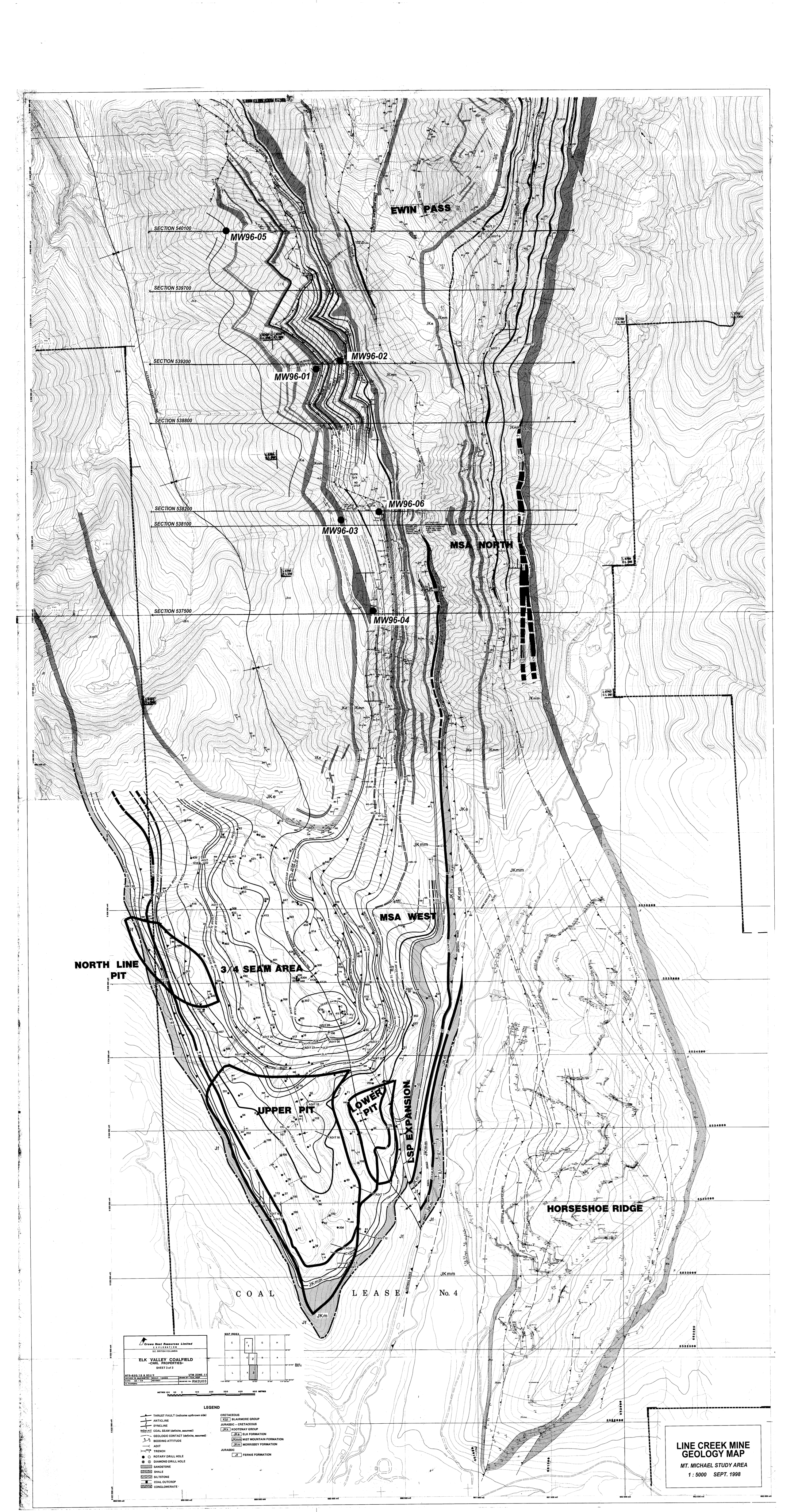

NORRIS 1950 AB
NEWMARCH 1953 BC
PRICE 1962,66 BC
JANSA 1972 AB & BC
GIBSON 1977 AB & BC
GIBSON 1978 AB & BC
THIS REPORT MT. MICHAEL
CADOMIN FM
POCATERRA CREEK MBR
ELK FM
ELK MBR
MUTZ MBR
KOOTENAY FM
KOOTENAY GROUP
HILLCREST MBR
ADANAC MBR
COAL BEARING MBR
MIST MOUNTAIN FM
MOOSE MTN MBR
BASAL KOOTENAY SAND
UNIT 2
UNIT 1
BASAL SS MBR
UNIT A
UNIT B
MORRISEY FM
WEARY RIDGE MBR
SS 100%
SS 50%
FERNIE FM

Fig. No. 4

Mt Michael Coal Seam Number/Feature Code

Coal Seam	Meds Feature Code
2	13
3LA	29
4	33
5L	40
7U	57
7L	59
8M	62
8U	63
8L	67
8R	69
10A	85
10L	87

Figure No. 5


EWIN PASS
SECTION 540100
MW96-05
SECTION 539700
SECTION 539200
MW96-02
MW96-01
SECTION 538800
SECTION 538200
MW96-06
SECTION 538100
MW96-03
MSA NORTH
SECTION 537500
MW96-04
MSA WEST
NORTH LINE PIT
3/4 SEAM AREA
UPPER PIT
LOWER PIT
LSP EXPANSION
HORSESHOE RIDGE
COAL LEASE No. 4
Crows Nest Resources Limited
ELK VALLEY COALFIELD
-CNRL PROPERTIES-
SHEET 3 of 3
MAP INDEX
LEGEND
THRUST FAULT (indicates upthrown side)
ANTICLINE
SYNCLINE
COAL SEAM (definite, assumed)
GEOLOGIC CONTACT (definite, assumed)
BEDDING ATTITUDE
ADIT
TRENCH
ROTARY DRILL HOLE
DIAMOND DRILL HOLE
SANDSTONE
SHALE
SILTSTONE
COAL OUTCROP
CONGLOMERATE
CRETACEOUS
KM BLAIRMORE GROUP
JURASSIC - CRETACEOUS
JKK KOOTENAY GROUP
JKe ELK FORMATION
JKmm MIST MOUNTAIN FORMATION
JKm MORRISEY FORMATION
JURASSIC
Jf FERNIE FORMATION
LINE CREEK MINE
GEOLOGY MAP
MT. MICHAEL STUDY AREA
1 : 5000 SEPT. 1998

Coal Seam Intersections

PROJECT: Mt Michael
HOLE: MM-96-01
EAST: 659934.9
NORTH: 5539167.5
ELEVATION: 2395.9
PLUNGE: 60°/090°

DATE DRILLED: Aug 2/96

(site P1)

LITHOLOGY DATA						DEVIATION DATA				
HORIZON		M-B-T				DEPTH				INCLINATION
A SEAM	SEAM	CODE	TOP	BASE	THICK	FROM	TO	THICK	AZIMUTH	(FROM HORIZ)
MS	303	5	0.0	23.7	23.7					
3LA	29	4	23.7	25.4	1.7					
MS	303	5	25.4	26.4	1.0					
3LA	29	4	26.4	27.2	0.8					
MS	303	5	27.2	30.5	3.3					
3LA	29	4	30.5	31.3	0.8					
MS	29	5	31.3	32.2	0.9					
3LA	29	4	32.2	34.1	1.9					
MS	29	5	34.1	34.4	0.3					
3LA	29	4	34.4	35.2	0.8					
MS	303	5	35.2	49.7	14.5					
SS	301	5	49.7	56.3	6.6					
MS	303	5	56.3	60.2	3.9					
4	33	4	60.2	66.1	5.9					
MS	303	5	66.1	68.4	2.3					
CO	91	4	68.4	69.2	0.8					
MS	303	5	69.2	76.5	7.3					
SS	301	5	76.5	81.2	4.7					
MS	303	5	81.2	82.3	1.1					
CO	2	4	82.3	83.5	1.2					
MS	303	5	83.5	109.8	26.3					
7U	57	4	109.8	111.3	1.5					
MS	303	5	111.3	115.5	4.2					
7L	59	4	115.5	118.2	2.7					
MS	303	5	118.2	121.1	2.9					
SS	301	5	121.1	123.1	2.0					
MS	303	5	123.1	126.7	3.6					
SS	301	5	126.7	128.3	1.6					
MS	303	5	128.3	134.3	6.0					
SS	301	5	134.3	136.1	1.8					
MS	303	5	136.1	140.6	4.5					
8M	62	4	140.6	145.7	5.1					
MS	303	5	145.7	157.6	11.9					
8U	63	4	157.6	164.3	6.7					
MS	303	5	164.3	167.0	2.7					
8L	67	4	167.0	169.3	2.3					
MS	303	5	169.3	171.2	1.9					

NOTE:
A SEAM - ALPHA-NUMERIC SEAM NAME
SEAM - INTEGER SEAM (COMPUTER SEAM CODE)

Coal Seam Intersections

PROJECT: Mt Michael
HOLE: MM96-01
EAST: 659934.9
NORTH: 5539167.5
ELEVATION: 2395.9
PLUNGE: 60° / 090°

DATE DRILLED: Aug 2/96

(site P1)

LITHOLOGY DATA						DEVIATION DATA				
HORIZON A SEAM	SEAM	M-B-T CODE	TOP	BASE	THICK	DEPTH FROM	DEPTH TO	THICK	AZIMUTH	INCLINATION (FROM HORIZ.)
MS	303	5	0.0	23.7	23.7					
3LA	29	4	23.7	25.4	1.7					
MS	303	5	25.4	26.4	1.0					
3LA	29	4	26.4	27.2	0.8					
MS	303	5	27.2	30.5	3.3					
3LA	29	4	30.5	31.3	0.8					
MS	29	5	31.3	32.2	0.9					
3LA	29	4	32.2	34.1	1.9					
MS	29	5	34.1	34.4	0.3					
3LA	29	4	34.4	35.2	0.8					
MS	303	5	35.2	49.7	14.5					
SS	301	5	49.7	56.3	6.6					
MS	303	5	56.3	60.2	3.9					
4	33	4	60.2	66.1	5.9					
MS	303	5	66.1	68.4	2.3					
CO	91	4	68.4	69.2	0.8					
MS	303	5	69.2	76.5	7.3					
SS	301	5	76.5	81.2	4.7					
MS	303	5	81.2	82.3	1.1					
CO	2	4	82.3	83.5	1.2					
MS	303	5	83.5	109.8	26.3					
7U	57	4	109.8	111.3	1.5					
MS	303	5	111.3	115.5	4.2					
7L	59	4	115.5	118.2	2.7					
MS	303	5	118.2	121.1	2.9					
SS	301	5	121.1	123.1	2.0					
MS	303	5	123.1	126.7	3.6					
SS	301	5	126.7	128.3	1.6					
MS	303	5	128.3	134.3	6.0					
SS	301	5	134.3	136.1	1.8					
MS	303	5	136.1	140.6	4.5					
8M	62	4	140.6	145.7	5.1					
MS	303	5	145.7	157.6	11.9					
8U	63	4	157.6	164.3	6.7					
MS	303	5	164.3	167.0	2.7					
8L	67	4	167.0	169.3	2.3					
MS	303	5	169.3	171.2	1.9					

NOTE:
A SEAM - ALPHA-NUMERIC SEAM NAME
SEAM - INTEGER SEAM (COMPUTER SEAM CODE)

Coal Seam Intersections

PROJECT: _____ DATE DRILLED: _____
HOLE: _____
EAST: _____
NORTH: _____
ELEVATION: _____
PLUNGE: _____

(site P1 cont')

LITHOLOGY DATA						DEVIATION DATA				
HORIZON A SEAM	SEAM	M.B.T.	TOP	BASE	THICK	DEPTH FROM	DEPTH TO	THICK	MINE GRID ADJUST. AZIMUTH	INCL. (FROM HORIZON)
8L	67	4	171.2	173.7	2.5					
MS	303	5	173.7	174.8	1.1					
8L	67	4	174.8	175.9	1.1					
MS	303	5	175.9	178.9	3.0					
SS	301	5	178.9	180.0	1.1					
MS	303	5	180.0	184.0	4.0					
SS	301	5	184.0	186.5	2.5					
MS	303	5	186.5	191.4	4.9					
SS	301	5	191.4	194.7	3.3					
MS	303	5	194.7	195.6	0.9					
8R	69	4	195.6	199.8	4.2					
MS	303	5	199.8	207.5	7.7					
CO	1	4	207.5	210.2	2.7					
MS	303	5	210.2	241.9	31.7					
10A	85	4	241.9	246.5	4.6					
MS	85	5	246.5	247.0	0.5					
10A	85	4	247.0	248.9	1.9					
MS	303	5	248.9	252.1	3.2					
10L	87	4	252.1	252.7	0.6					
MS	303	5	252.7	261.3	8.6					
MMST	300	5	261.3	265.1	3.8					
MS	303	5	265.1	266.5	1.4					
MMST	300	5	266.5	271.6	5.1					
MS	303	5	271.6	276.1	4.5					
CO	91	4	276.1	277.0	0.9					
MS	303	5	277.0	281.1	4.1					
CO	91	4	281.1	281.7	0.6					
MS	303	5	281.7	287.4	5.7					
MMST	300	5	287.4	321.0	33.6					
MS	303	5	321.0	326.0	5.0					
MMST	300	5	326.0	343.0	17.0					
MS	303	5	343.0	350.2	7.2					
CO	91	4	350.2	350.7	0.5					
MS	303	5	350.7	352.0	1.3					
MMST	300	5	352.0	370.6	18.6					

Note:
A Seam - Alphanumeric seam name
Seam - Integer seam (computer seam code)

Coal Seam Intersections

PROJECT: _____ DATE DRILLED: _____

HOLE: _____

EAST: _____

NORTH: _____

ELEVATION: _____

PLUNGE: _____

(site P1 cont')

LITHOLOGY DATA						DEVIATION DATA				
HORIZON A SEAM	SEAM	M.B.T.	TOP	BASE	THICK	DEPTH FROM	DEPTH TO	THICK	MINE GRID ADJUST. AZIMUTH	INCL. (FROM HORIZON)
MS	303	5	370.6	381.3	10.7					
MMST	300	5	381.3	387.6	6.3					
MS	303	5	387.6	392.1	4.5					
MMST	300	5	392.1	393.5	1.4					
MS	303	5	393.5	406.0	12.5					

Note:

A Seam - Alphanumeric seam name

Seam - Integer seam (computer seam code)

NO SPERRY-SUN RUN BECAUSE OF SHALLOW DEPTH.

Coal Seam Intersections

PROJECT: Mt Michael
HOLE: MM96-02
EAST: 660096.6
NORTH: 5539216.8
ELEVATION: 2457.5
PLUNGE: 60/090°

DATE DRILLED: Aug 6/96

(SITE P2)

LITHOLOGY DATA						DEVIATION DATA				
HORIZON		M-B-T				DEPTH				INCLINATION
A SEAM	SEAM	CODE	TOP	BASE	THICK	FROM	TO	THICK	AZIMUTH	(FROM HORIZ)
MS	303	5	0.0	12.8	12.8					
7L	59	4	12.8	15.5	2.7					
MS	303	5	15.5	53.2	37.7					
8M	62	4	53.2	53.8	0.6					
MS	62	5	53.8	54.7	0.9					
8M	62	4	54.7	58.9	4.2					
MS	63	5	58.9	59.2	0.3					
8U	63	4	59.2	66.5	7.3					
MS	303	5	66.5	69.8	3.3					
8L	67	4	69.8	71.4	1.6					
MS	303	5	71.4	83.1	11.7					
SS	301	5	83.1	90.9	7.8					
MS	303	5	90.9	96.3	5.4					
8R	69	4	96.3	99.3	3.0					
MS	303	5	99.3	106.6	7.3					
SS	301	5	106.6	108.1	1.5					
MS	303	5	108.1	110.2	2.1					
SS	301	5	110.2	111.7	1.5					
MS	303	5	111.7	112.3	0.6					
CO	2	4	112.3	116.2	3.9					
MS	303	5	116.2	146.1	29.9					
10A	85	4	146.1	148.4	2.3					
MS	303	5	148.4	150.3	1.9					
10L	87	4	150.3	151.3	1.0					
MS	303	5	151.3	166.8	15.5					
MMST	300	5	166.8	177.2	10.4					
CO	91	4	177.2	178.1	0.9					
MS	303	5	178.1	193.9	15.8					
MMST	300	5	193.9	210.0	16.1					

NOTE:
A SEAM - ALPHA-NUMERIC SEAM NAME

Coal Seam Intersections

PROJECT: Mt Michael
HOLE: MM-96-03
EAST: 660101.8
NORTH: 5538139.3
ELEVATION: 2333.3
PLUNGE: 60°/090

DATE DRILLED: Aug 4/96

(SITE P3)

LITHOLOGY DATA						DEVIATION DATA				
HORIZON A SEAM	SEAM	M-B-T CODE	TOP	BASE	THICK	DEPTH FROM	DEPTH TO	THICK	AZIMUTH	INCLINATION (FROM HORIZ)
MS	303	5	0.0	6.8	6.8					
SS	301	5	6.8	34.1	27.3					
MS	303	5	34.1	38.7	4.6					
2	13	4	38.7	41.6	2.9					
MS	303	5	41.6	60.1	18.5					
SS	301	5	60.1	74.5	14.4					
3LA	29	4	74.5	76.9	2.4					
MS	303	5	76.9	79.3	2.4					
3LA	29	4	79.3	80.4	1.1					
MS	303	5	80.4	90.2	9.8					
3LA	29	4	90.2	91.0	0.8					
MS	303	5	91.0	96.2	5.2					
3LA	29	4	96.2	97.2	1.0					
MS	303	5	97.2	99.9	2.7					
SS	301	5	99.9	119.9	20					
4	33	4	123.5	124.9	1.4					
MS	33	5	124.9	125.1	0.2					
4	33	4	125.1	126.9	1.8					
MS	33	5	126.9	127.2	0.3					
4	33	4	127.2	127.9	0.7					
MS	303	5	127.9	155.0	27.1					
SS	301	5	155.0	158.4	3.4					
MS	303	5	158.4	160.3	1.9					
7U	57	4	160.3	161.4	1.1					
MS	303	5	161.4	166.3	4.9					
7L	59	4	166.3	168.3	2.0					
MS	303	5	168.3	190.3	22.0					
SS	301	5	190.3	191.3	1.0					
MS	303	5	191.3	202.8	11.5					
8M	62	4	202.8	207.1	4.3					
MS	303	5	207.1	216.3	9.2					
8U	63	4	216.3	219.6	3.3					
MS	303	5	219.6	225.6	6.0					
SS	301	5	225.6	231.7	6.1					
MS	303	5	231.7	234.4	2.7					
SS	301	5	234.4	236.8	2.4					
MS	303	5	236.8	238.7	1.9					

NOTE:
A SEAM - ALPHA-NUMERIC SEAM NAME

Coal Seam Intersections

PROJECT: _____ DATE DRILLED: _____
HOLE: _____
EAST: _____
NORTH: _____
ELEVATION: _____
PLUNGE: _____

(SITE P3 cont')

LITHOLOGY DATA						DEVIATION DATA				
HORIZON A SEAM	SEAM	M.B.T.	TOP	BASE	THICK	DEPTH FROM	DEPTH TO	THICK	MINE GRID ADJUST. AZIMUTH	INCL. (FROM HORIZON)
8L	67	4	238.7	239.5	0.8					
MS	303	5	239.5	243.2	3.7					
SS	301	5	243.2	245.0	1.8					
MS	303	5	245.0	246.6	1.6					
8R	69	4	246.6	249.9	3.3					
MS	303	5	249.9	255.2	5.3					
SS	301	5	255.2	259.9	4.7					
MS	303	5	259.9	264.9	5.0					
SS	301	5	264.9	269.8	4.9					
MS	303	5	269.8	281.6	11.8					
SS	301	5	281.6	286.7	5.1					
MS	303	5	286.7	305.6	18.9					
10A	85	4	305.6	306.3	0.7					
MS	85	5	306.3	306.6	0.3					
10A	85	4	306.6	309.7	3.1					
MS	85	5	309.7	310.6	0.9					
10A	85	4	310.6	314.1	3.5					
MS	303	5	314.1	316.2	2.1					
10A	85	4	316.2	316.8	0.6					
MS	85	5	316.8	317.4	0.6					
10A	85	4	317.4	318.9	1.5					
MS	303	5	318.9	320.8	1.9					
10A	85	4	320.8	325.1	4.3					
MS	303	5	325.1	338.1	13.0					
SS	301	5	338.1	340.1	2.0					
MS	303	5	340.1	345.4	5.3					
MMST	300	5	345.4	361.0	15.6					
MS	303	5	361.0	363.8	2.8					
SS	301	5	363.8	366.9	3.1					
MS	303	5	366.9	382.8	15.9					
SS	301	5	382.8	395.8	13.0					
MS	303	5	395.8	424.8	29.0					
SS	301	5	424.8	430.0	5.2					

Note:
A Seam - Alphanumeric seam name
Seam - Integer seam (computer seam code)

Coal Seam Intersections

PROJECT: Mt MICHAEL
HOLE: MM96-04
EAST: 660314.4
NORTH: 5537518.9
ELEVATION: 2389.3
PLUNGE: -60/090

DATE DRILLED: Aug 14/96

LITHOLOGY DATA						DEVIATION DATA				
HORIZON A SEAM	SEAM	M-B-T CODE	TOP	BASE	THICK	DEPTH FROM	DEPTH TO	THICK	AZIMUTH	INCLINATION (FROM HORIZ)
MS	303	5	0.0	30.3	30.3					
3LA	29	4	30.3	32.7	2.4					
MS	303	5	32.7	44.0	11.3					
3LA	29	4	44.0	45.9	1.9					
MS	303	5	45.9	47.0	1.1					
3LA	29	4	47.0	47.5	0.5					
MS	303	5	47.5	67.8	20.3					
3LA	29	4	67.8	68.9	1.1					
MS	303	5	68.9	72.2	3.3					
3LA	29	4	72.2	75.7	3.5					
MS	303	5	75.7	86.1	10.4					
3LA	29	4	86.1	88.8	2.7					
MS	303	5	88.8	89.3	0.5					
3LA	29	4	89.3	91.3	2.0					
MS	303	5	91.3	139.0	47.7					
SS	301	5	139.0	157.3	18.3					
MS	303	5	157.3	162.3	5.0					
4	33	4	162.3	162.9	0.6					
MS	303	5	162.9	168.3	5.4					
5L	40	4	168.3	169.2	0.9					
MS	303	5	169.2	170.4	1.2					
5L	40	4	170.4	172.2	1.8					
MS	303	5	172.2	174.9	2.7					
SS	301	5	174.9	177.3	2.4					
MS	303	5	177.3	215.6	38.3					
7U	57	4	215.6	216.0	0.4					
MS	303	5	216.0	219.6	3.6					
7L	59	4	219.6	220.5	0.9					
MS	303	5	220.5	220.7	0.2					
7L	59	4	220.7	221.3	0.6					
MS	303	5	221.3	249.5	28.2					
SS	301	5	249.5	256.7	7.2					
MS	303	5	256.7	268.9	12.2					
SS	301	5	268.9	280.8	11.9					
MS	303	5	280.8	290.2	9.4					
8U	63	4	290.2	295.9	5.7					
MS	303	5	295.9	297.3	1.4					

NOTE:
A SEAM - ALPHA-NUMERIC SEAM NAME

Coal Seam Intersections

Aug 14/96.

PROJECT: Mt MICHAEL
HOLE: MM96-04
EAST: 660314.4
NORTH: 5537518.9
ELEVATION: 2389.3
PLUNGE: -60/090
DATE DRILLED:

LITHOLOGY DATA						DEVIATION DATA				
						DEPTH				
HORIZON / SEAM	SEAM	M-B-T CODE	TOP	BASE	THICK	FROM	TO	THICK	AZIMUTH	INCLINATION (FROM HORIZ)
SL	67	4	297.3	298.3	1.0					
MS	303	5	298.3	300.1	1.8					
SR	69	4	300.1	302.1	2.0					
MS	303	5	302.1	302.5	0.4					
SR	69	4	302.5	304.2	1.7					
MS	303	5	304.2	328.6	24.4					
SS	301	5	328.6	330.8	2.2					
MS	303	5	330.8	370.1	39.3					
SS	301	5	370.1	375.9	5.8					
MS	303	5	375.9	377.2	1.3					
SS	301	5	377.2	380.4	3.2					
MS	303	5	380.4	394.3	13.9					
SS	301	5	394.3	396.5	2.2					
MS	303	5	396.5	397.5	1.0					
SS	301	5	397.5	398.3	0.8					
MS	303	5	398.3	411.3	13.0					
CO	91	4	411.3	412.3	1.0					
MS	303	5	412.3	436.5	24.2					
10A	85	4	436.5	437.3	0.8					
MS	303	5	437.3	437.9	0.6					
10A	85	4	437.9	438.5	0.6					
MS	303	5	438.5	439.8	1.3					
10A	85	4	439.8	441.3	1.5					
MS	303	5	441.3	458.5	17.2					
MMST	300	5	458.5	492.0	33.5					

NOTE:

Coal Seam Intersections

PROJECT: Mt Michael
HOLE: MM96-05
EAST: 659319.6
NORTH: 5540101.8
ELEVATION: 2189.7
PLUNGE: -60/090

DATE DRILLED: Aug. 19/96

LITHOLOGY DATA						DEVIATION DATA				
*HORIZON A SEAM	SEAM	M·B·T CODE	TOP	BASE	THICK	DEPTH FROM	DEPTH TO	THICK	AZIMUTH	INCLINATION (FROM HORIZ)
MS	303	5	0.0	34.9	34.9					
3LA	29	4	34.9	37.1	2.2					
MS	303	5	37.1	44.5	7.4					
SS	301	5	44.5	47.8	3.3					
MS	303	5	47.8	64.8	17.0					
4	33	4	64.8	66.1	1.3					
MS	303	5	66.1	74.3	8.2					
4	33	4	74.3	75.3	1.0					
MS	303	5	75.3	85.1	9.8					
CO	91	4	85.1	85.6	0.5					
MS	303	5	85.6	87.2	1.6					
SS	301	5	87.2	90.0	2.8					
MS	303	5	90.0	100.6	10.6					
5L	40	4	100.6	102.3	1.7					
MS	303	5	102.3	140.4	38.1					
CO	91	4	140.4	141.9	1.5					
MS	303	5	141.9	142.3	0.4					
70	57	4	142.3	143.9	1.6					
MS	303	5	143.9	147.4	3.5					
7L	59	4	147.4	148.6	1.2					
MS	303	5	148.6	162.3	13.7					
CO	91	4	162.3	163.3	1.0					
MS	303	5	163.3	180.0	16.7					
CO	91	4	180.0	181.5	1.5					
MS	303	5	181.5	181.8	0.3					
CO	91	4	181.8	182.5	0.7					
MS	303	5	182.5	218.3	35.8					
8U	63	4	218.3	224.1	5.8					
MS	303	5	224.1	226.5	2.4					
8L	67	4	226.5	227.0	0.5					
MS	303	5	227.0	230.2	3.2					
8R	69	4	230.2	231.8	1.6					
MS	303	5	231.8	282.3	50.5					
FLT	200	5	282.3	282.3	0.0					
MS	303	5	282.3	296.1	13.84					
8M	62	4	296.1	299.4	3.3					
MS	303	5	299.4	309.0	9.6					

NOTE:
A SEAM - ALPHA-NUMERIC SEAM NAME

Coal Seam Intersections

PROJECT: Mt MICHAEL
HOLE: MM96-05
EAST: 6593196
NORTH: 5540101.8
ELEVATION: 2189.7
PLUNGE: -60/090

DATE DRILLED: Aug 19/96

LITHOLOGY DATA						DEVIATION DATA				
HORIZON A'SEAM	SEAM	M-S-T CODE	TOP	BASE	THICK	DEPTH FROM	DEPTH TO	THICK	AZIMUTH	INCLINATION (FROM HORIZ)
8U	63	4	309.0	312.7	3.7					
MS	303	5	312.7	314.6	1.9					
8L	67	4	314.6	318.7	4.1					
MS	303	5	318.7	321.7	3.0					
8L	67	4	321.7	323.3	1.6					
FLT	200	5	323.3	323.3	0.0					
MS	303	5	323.3	333.1	9.8					
SS	301	5	333.1	337.8	4.7					
MS	303	5	337.8	344.5	6.7					
7U	57	4	344.5	347.3	2.8					
MS	303	5	347.3	351.9	4.6					
7L	59	4	351.9	356.6	4.7					
MS	303	5	356.6	373.4	16.8					
CO	91	4	373.4	377.3	3.9					
MS	303	5	377.3	380.3	3.0					
SS	301	5	380.3	382.8	2.5					
MS	303	5	382.8	385.9	3.1					
CO	91	4	385.9	386.6	0.7					
MS	303	5	386.6	386.9	0.3					
CO	91	4	386.9	387.3	0.4					
MS	303	5	387.3	400.4	13.1					
8M	62	4	400.4	402.5	2.1					
MS	303	5	402.5	409.2	6.7					
8U	63	4	409.2	415.8	6.6					
MS	303	5	415.8	417.2	1.4					
SS	301	5	417.2	420.2	3.0					
MS	303	5	420.2	423.8	3.6					
SS	301	5	423.8	425.3	1.5					
MS	303	5	425.3	428.4	3.1					
8L	67	4	428.4	429.6	1.2					
MS	303	5	429.6	437.4	7.8					
6R	69	4	437.4	438.9	1.5					
MS	303	5	438.9	472.4	33.5					
10A	85	4	472.4	473.4	1.0					
MS	303	5	473.4	474.4	1.0					
10A	85	4	474.4	476.7	2.3					
MS	303	5	476.7	478.6	1.9					

NOTE:

Coal Seam Intersections

PROJECT: Mt MICHAEL
HOLE: MM96-05
EAST: 659319.6
NORTH: 5540101.8
ELEVATION: 2189.7
PLUNGE: -60/090

DATE DRILLED: Aug 19/96

LITHOLOGY DATA						DEVIATION DATA				
HORIZON / SEAM	SEAM	M-B-T CODE	TOP	BASE	THICK	DEPTH FROM	DEPTH TO	THICK	AZIMUTH	INCLINATION (FROM HORIZ.)
10A	85	4	478.6	479.6	1.0					
MS	303	5	479.6	480.1	0.5					
10A	85	4	480.1	485.6	5.5					
MS	303	5	485.6	488.2	2.6					
FLT	200	5	488.2	488.2	0.0					
10A	85	4	488.2	489.0	0.8					
MS	303	5	489.0	489.8	0.8					
10A	85	4	489.8	496.4	6.6					
MS	303	5	496.4	508.5	12.1					
CO	91	4	508.5	509.4	0.9					
MS	303	5	509.4	515.6	6.2					
CO	91	4	515.6	516.6	1.0					
MS	303	5	516.6	520.2	3.6					
CO	91	4	520.2	521.0	0.8					
MS	303	5	521.0	543.7	22.7					
SS	301	5	543.7	550.0	6.3					
MS	303	5	550.0	552.8	2.8					
SS	301	5	552.8	555.8	3.0					
MS	303	5	555.8	589.0	33.2					

NOTE:

Coal Seam Intersections

Aug 20/96.

PROJECT: Mt MICHAEL
HOLE: MM96-06
EAST: 660358.2
NORTH: 5538187.6
ELEVATION: 2446.9
PLUNGE: -60/090

DATE DRILLED:

LITHOLOGY DATA						DEVIATION DATA				
HORIZON A SEAM	SEAM	M-B-T CODE	TOP	BASE	THICK	DEPTH FROM	DEPTH TO	THICK	AZIMUTH	INCLINATION (FROM HORIZ.)
MS	303	5	0.0	11.9	11.9					
8M	62	4	11.9	13.6	1.7					
MS	303	5	13.6	22.1	8.5					
8U	63	4	22.1	22.8	0.7					
MS	303	5	22.8	24.2	1.4					
8U	63	4	24.2	25.2	1.0					
MS	303	5	25.2	51.8	26.6					
8R	69	4	51.8	54.0	2.2					
MS	303	5	54.0	62.0	8.0					
SS	301	5	62.0	63.5	1.5					
MS	303	5	63.5	73.4	9.9					
SS	301	5	73.4	78.1	4.7					
MS	303	5	78.1	92.7	14.6					
10A	85	4	92.7	95.0	2.3					
MS	303	5	95.0	95.8	0.8					
10A	85	4	95.8	97.6	1.8					
MS	303	5	97.6	123.3	25.7					
FLT	200	5	123.3	123.3	0.0					
10A	85	4	123.3	124.2	0.9					
MS	303	5	124.2	124.4	0.2					
10A	85	4	124.4	124.7	0.3					
MS	303	5	124.7	140.9	16.2					
SS	301	5	140.9	152.1	11.2					
MS	303	5	152.1	168.7	16.6					
SS	301	5	168.7	169.8	1.1					
MS	303	5	169.8	173.1	3.3					
SS	301	5	173.1	174.1	1.0					
MS	303	5	174.1	226.8	52.7					
CO	91	4	226.8	227.3	0.5					
MS	303	5	227.3	251.0	23.7					
SS	301	5	251.0	252.1	1.1					
MS	303	5	252.1	257.0	4.9					
CO	91	4	257.0	257.4	0.4					
MS	303	5	257.4	258.0	0.6					
CO	91	4	258.0	259.8	1.8					
MS	303	5	259.8	261.5	1.7					
CO	91	4	261.5	262.1	0.6					

NOTE:
A SEAM - ALPHANUMERIC SEAM NAME

Coal Seam Intersections

Aug 20/96

PROJECT: Mt MICHAEL
HOLE: MM96-06
EAST: 660358.2
NORTH: 5538187.6
ELEVATION: 2446.9
PLUNGE: -60/090

DATE DRILLED:

LITHOLOGY DATA						DEVIATION DATA				
HORIZON A SEAM	SEAM	M-B-T CODE	TOP	BASE	THICK	DEPTH FROM	DEPTH TO	THICK	AZIMUTH	INCLINATION (FROM HORIZ.)
MS	303	5	262.1	313.0	50.9					

NOTE:

MM96D-01

AREA	Mt Michael	DATE	BEGIN		HOLE NO.	MM96-P1	PAGE	1
			END				OF	41

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	3.3m	(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	SARAH / KARI
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
1	3.3m	3.3	4.2														SH		dark grey massive, broken
		4.2	5.7														SS	SH	fine to medium sandstone: mostly grey with shale rip up clasts throughout broken rare coaly rip-up clasts
		5.7	6.85																
		6.85	7.85														SH	SS	interbedded massive dark grey sandy and finer laminated dirty fine sandstone (med grey) & shale broken

▲ ANGLE MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

EQFORM\COREDESC.FOR
920717 (JS)

HOLE NO. P1

CORE DESCRIPTION

AREA		DATE	BEGIN		HOLE NO.	MM96 P1
			END			

PAGE 2 OF

HOLE PARTICULARS

LOCATION	NORTHING:		LOGGING		PRE-CORE INFORMATION		EXAMINATION	
	EASTING: (m)		LOGS RUN		CASING LENGTH (m)		LOG USED	
ELEVATION (m)		HOLE BEARING (AZ°)	LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
TOTAL DEPTH		HOLE ANGLE (°)*	OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
					WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		7.85	8.7															
2	7.9						B	8.25	70°									
																SS		Fine to Med Sandstone med grey parallel laminated rare shale laminae
		8.7	10.0															
																SS	Co	Med to Course Sandstone med grey broken coal spar & laminae throughout
		10	10.3															
																Co		dull (bright) coal very broken
		10.3	11.1															
																SH		black shale with coal spar + 10cm coaly shale at 11.6m

* MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

PLGEO/FORM/COREDESC.FOR
ised 920717 (JS)

HOLE NO. P1

CORE DESCRIPTION

AREA		DATE	BEGIN		HOLE NO.	MM96-P1	PAGE	3
			END				OF	

HOLE PARTICULARS

LOCATION	NORTHING: (m)	LOGGING: LOGS RUN		PRE-CORE INFORMATION: CASING LENGTH	(m)	EXAMINATION: LOG USED	
	EASTING: (m)	LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION	HOLE BEARING (AZ°)	OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH	HOLE ANGLE (°)*	TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		11.1	12.2									10					SH	ZS	dark grey shale with mod grey siltstone wavy to ripple cross laminated - most common in top 20cm 10cm brecciated zone at 11.65 m - very fee shined coaly bedding planes
3	12.2	12.2	15.4														SH		Black Shale with coal spar in top 1m broken coaly bedding planes

* MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

/GEO/FORM/COREDESC.FOR
6 920717 (A)

HOLE NO. P1

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CORE DESCRIPTION

PROJECT		DATE	BEGIN	
AREA			END	

HOLE NO. MM 96 P1

HOLE PARTICULARS

LOCATION	NORTHING:	(m)
	EASTING:	(m)
ELEVATION		HOLE BEARING (AZ°)
TOTAL DEPTH		HOLE ANGLE (°)*

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLEA DEPTH	JOINT ANGLEA ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		15.4	17.1															
4	16.5															SH	ZS	massive black shale with
																		beds of interlaminated shale
																		& mod grey siltstone
																		laminae = ripple cross to
																		convolute
																		coaly bedding planes
		17.1	20.0															
																SH		massive black shale with
																		rare coal spar
		20.0	20.5				B	20.3	62°									
																SS	SH	Parallel to Flaser laminated
																		very fine sandstone (mod
																		grey) and black shale

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

XPLGEO/FORM/COREDESC.FOR
vised 920717 (jb)

Line Creek Resources Ltd.

PROJECT		DATE	BEGIN		HOLE NO.	mm 96 P1	PAGE	5
AREA			END				OF	

CORE DESCRIPTION

HOLE PARTICULARS

				LOGGING		PRE-CORE INFORMATION			EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE			EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*	/0	TESTS		WATER LEVEL	(m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		20·5	22·5												3LA?		CO		Dull (bright) coal broken to shattered
		22·15	23·5														SH		mod grey siltstone with black shale lamina → flaser to convolute lamina FeO stained
5	23·1																		
		23·5	26·2					B	24·5	65°							SH	25	dark grey shale with mod grey siltstone parallel to wavy laminae
		26·2	26·7														SH	CO	black coaly shale

*MEASURED FROM THE HORIZONTAL PLANE A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P1

PLOEO/FORM/COREDESC.FOR
ed 920717 (jb)

line creek resources ltd.

CORE DESCRIPTION

PROJECT		DATE	BEGIN		HOLE NO.	MM96 P1	PAGE 6
AREA			END				OF

HOLE PARTICULARS

LOCATION	NORTHING:	(m)	LOGGING	LOGS RUN		PRE-CORE INFORMATION	CASING LENGTH	(m)	EXAMINATION	LOG USED	
	EASTING:	(m)		LOGGED BY			OVERBURDEN DEPTH	(m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER			OVERBURDEN TYPE			EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS			WATER LEVEL	(m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		26.7	27.9															
											9							
																SS	SH	mod grey very fine sandstone
																		interlaminated with black
																		shale parallel to wavy
																		laminae.
		27.9	28.1															
		28.1	30.1													SH		Black Coaly Shale
6	28.1																	
																CO		Dull (bright) coal
																		small bands (5mm) of carb.
																		shale thru out top 50cm
																		15cm siltstone @ 28.65m
																		grades into carb shale
																		at base broken

MEASURED FROM THE HORIZONTAL PLANE . ▲ ANGLE MEASURED FROM AXIS OF CORE

LGEO/FORM/COREDESC.FOR
ed 920717 (jb)

HOLE NO.	P1

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PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE 7
AREA			END				OF

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH (m)	
OVERBURDEN DEPTH (m)	
OVERBURDEN TYPE	
WATER LEVEL (m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		30·4	31·0														3S	SH	light grey siltstone with coal spar + black shale laminae shale mod. common rubble 30cm
		31·0	36·6																
7	33·6																CO		Bright + Dull Coal Broken
																			5cm carb shale @ 33·1
																			10cm " " @ 35·5
		36·6	48·2																
8	39·3																SH		Massive Black Shale
9	43·6																		Coaly bedding planes, rare bands mod grey shale

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE	8
AREA			END				OF	

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING:	(m)
	EASTING:	(m)
ELEVATION		HOLE BEARING (AZ°)
TOTAL DEPTH		HOLE ANGLE (°)*

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS			GEOPHYS DEPTH		TYPE	JOINT ANGLE▲		SUMMARY GEOTECH			SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION		
		FROM	TO	RECOVERY (m) m %	FROM	TO		DEPTH	ANGLE	HARDNESS	FRAC.FREQ. #/m	RQD %				MAIN	MINOR	AMPLIFIED
10	18.2	18.2	49.8				B	49m	57°							SS	SH	parallel laminated med grey
																		veryfine sandstone with
																		black shale laminae
																		calcite veins thru out-micro fractures
																		light FeO staining.
																		shale content increases toward
																		base. broken
		49.8	53.4													SH		black shale. v-fine sandstone
																		laminae common in top
																		metre. Calcite veins-thruout.
																		shale massive at base
																		broken

MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

LCGEO/FORM/COREDESC.FOR
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Fine Creek Resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.		PAGE 9
AREA			END				OF

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE ( )°	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	
OVERBURDEN DEPTH	(m)	
OVERBURDEN TYPE		
WATER LEVEL	(m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
11	53.3	53.4	54					—		1	R3	3					SS	SH	V fine sandstone, med gray parallel laminated with some shale laminae calcite veins infilling micro fractures
								B	53.6	1.6'									
		54.0	54.9					J	54.2	-5°							SS		Fine sandstone, med gray parallel laminated Coal spec in bottom 20cm calcite infilling micro fractures 20cm gray shale @ 54.5m
		54.9	55.9														SH	ZS	Interbedded black shale & laminated siltstone/shale

MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P1

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM96 P1	PAGE	10
AREA			END				OF	

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ°)			
TOTAL DEPTH		HOLE ANGLE ( )*	/0		

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	
OVERBURDEN DEPTH	(m)	
OVERBURDEN TYPE		
WATER LEVEL	(m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
																			1cm calcite vein @ 55.05m
		55.9	57.4														SS		Mod grey fine sandstone with coal spar throughout broken
		57.4	60.1														SH		Black shale - massive rare calcite veins
12	58.0																		
		60.1	63.2														CO	SH	Interbedded sheared coal & coaly shale - black beds ~ 10 - 30cm
13	63.4																		

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

XPLGEO/FORM/COREDESC.FOR
rvised 920717 (jb)

fline creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	mm-96 - P1	PAGE 11
AREA			END				OF

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)	HOLE BEARING (AZ°)	
	EASTING: (m)	HOLE ANGLE (°)*	
ELEVATION			
TOTAL DEPTH			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	
OVERBURDEN DEPTH	(m)	
OVERBURDEN TYPE		
WATER LEVEL	(m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		63·2	66·9												4		CO		dull (bright) coal broken to shattered
		66·9	68														SH		Black shale with coal spar throughout.
		68	69·4														SH	ZS	Grey-black shale with siltstone lamina throughout
14	69·4	69·4	69·8														CO		Dull (bright) coal very broken
		69·8	73·7					B	72·4	67		3					SH	ZS	Black shale w/ pale coal wisps with laminated siltstone + shale bands.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

XPLGEO/FORM/COREDESC.FOR
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line creek resources ltd.

PROJECT:
AREA:
DATE BEGIN:
DATE END:
HOLE NO. mm-96-P1
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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		73.7	74.5														2S		mod grey siltstone with occasional shale lamina calcite veining common bed cracking at base
15	74.1																		
		74.5	83.3					J	82.3	22°							SH	2S	Interbedded massive beds shale and interlaminated shale and siltstone Beds 5-50 cm calcite veins throughout rare coaly wisps in shale
16	78.3																		
17	82.18																		
		83.3	84.1														CO		Dull (bright) coal broken

MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P1

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE	13
AREA			END				OF	

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ°)			
TOTAL DEPTH		HOLE ANGLE ( )°			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		78.1	86.6														SH		Black Shale with coal
																			Spar thru out
		86.6	88.1														SH	SS	Fining up unit - Fine
																			Sandstone laminated with
																			Shale grading up to
																			Shale, SS content lessening
																			coaly bedding planes
		87.1	101.7					B	87.4	62	R3	7					SH		Massive black shale
18	87.4							J	94.8	17°	R3								calcite veins thru out
19	92.4							J	95.8	65°	R2								rare coal bands (<1cm)
20	97.2																		

MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	mm 96 P1	PAGE 14
AREA			END				OF

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ')	
TOTAL DEPTH		HOLE ANGLE (°)▲	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	
OVERBURDEN DEPTH	(m)	
OVERBURDEN TYPE		
WATER LEVEL	(m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLEA DEPTH	JOINT ANGLEA ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
21	101·7	101·7	109·7														SH	35	Interbedded black shale (massive) & med grey siltstone (laminated to flaser laminated with shale) calcite veins thru out
22	106·6																		
		109·7	110·1														CO		bright + dull coal v broken
		110·1	113·4														SH	CO	Black shale with coal bands (up to 2cm) thru out
23	112·1																		

MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P1

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM96P1	PAGE 15
AREA			END				OF

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING:	(m)		
	EASTING:	(m)		
ELEVATION			HOLE BEARING (AZ°)	
TOTAL DEPTH			HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		113.4	116.2													SH	ZS	black shale with grey siltstone laminae
		116.2	116.7													CO		dull coal shattered
		116.7	120.6													SH	CO	black shale with coal bands (~2 cm) thru out
21	117.3																	
		120.6	123													SH	ZS	Interbedded black shale + laminated shale/siltstone calcite thru out 1cm coal @ 121.6 m

* MEASURED FROM THE HORIZONTAL PLANE

▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

(PLGEO/FORM/COREDESC.FOR
rbod 920717 (jb)

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE	16
AREA			END				OF	

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
25	123	123	126·3														SH		Black shale with early
																			bands (≤2cm) calcite
																			veins thru out.
		126·3	128·3														ZS	SH	dark gray siltstone with
26	127·5																		black shale displaced
																			thru out numerous calcite
																			veins
		128·3	130·5														SH		Black shale with coal
																			wisps/bands (≤5cm) thru out
																			numerous calcite veins

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P1

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jh)
1

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CORE DESCRIPTION

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE 17
AREA			END				OF

HOLE PARTICULARS

LOCATION	NORTHING:	(m)
	EASTING:	(m)
ELEVATION		HOLE BEARING (AZ°)
TOTAL DEPTH		HOLE ANGLE (°)*

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)
OVERBURDEN DEPTH	(m)
OVERBURDEN TYPE	
WATER LEVEL	(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		130.5	132				B	131.5	67°	R3	6					ZS	SS	dark grey siltstone ripple
							J	131.0	56°									cross laminated to wavy
27	131.7																	laminated with very fine
																		sandstone
																		numerous calcite infilled
																		fractures
		132	133.9															Black shale with coaly
																		bedding planes & 2 cm
																		coaly shale @ 132.2m
																		occasional calcite infilled
																		fractures

MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

PLGEO/FORM/COREDESC.FOR
scd 920717 (jb)

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE	18
AREA			END				OF	

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		133.9	136.2														SS	ZS	coarsening upward unit -
																			shale at base, grading to
																			dark grey siltstone than fine
																			sandstone. rare cobble
																			size cross lamination
28	136.2	136.2	138.3														SH		Blocky shale with carbonaceous
																			bedding plane. occasional
																			calcite infilled fracture
		138.3	140.5					B	139	60°	R3-R4	3					SS	ZS	coarsening upwards unit
								T	140	26°									as described at 133.9m
																			occasional calcite infilled
																			fractures

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

EXPLGEO/FORM/COREDESC.FOR
rvised 920717 (jb)

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	mm-96-P1	PAGE 19
AREA			END				OF

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		140.5	141.2											8M		CO		Dull + bright coal
29	141.1																	broken
		141.2	147.5													SH	CO	Black shale with coal
																		bands + wisps thru
																		out broken
		147.5	153.5													SH	SS	dark grey shale with
																		bands + laminae of fine
30	149.9																	sandstone thru out
																		occasional calcite infilled
																		fracture
																		7cm shattered coal @ 151.3m

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

XPLGEO/FORM/COREDESC.FOR
vised 920717 (jb)

fine creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE 20
AREA			END				OF

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		153·5	156·2														SH	CO	Black Shale with bands
31	154·3																		+ wisps of coal thru out
																			coal - 5cm @ 153·85m
																			10cm @ 154·4m
		156·2	156·8														CO		Shattered Coal
		156·8	159·4														SH		Massive black shale
32	162·5	159·4	165·5												84		CO		dull & bright coal bottom
		165·5	168·5														SH		massive black shale coaly banding throughout

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

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line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE 21
AREA			END				OF

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )*	70	TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLEA DEPTH	JOINT ANGLEA ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
1		168.5	171.1														CO		dull+ bright coal
																			broken
33	171.1	171.1	171.7														SH		black shale with 30cm
																			coal @ 171.5m
																			base = coaly shale
		171.7	175.1														CO		Dull+ bright coal
2																			broken
		175.1	179														SH		Black shale with
34	177.8																		carbonaceous bedding
																			planes + occasional shale
																			infilled fractures

MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

fine creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE	22
AREA			END				OF	

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		179	180.6														ZS		mod gray siltstone with
																			numerous calcite infilled
																			fractures. gradational
																			basal contact
		180	182.3														SH		massive black shale
35	182.1																		broken
		182.3	182.9												81		CO		bright-dull coal
																			very broken
		182.9	183.5														SH		massive blk. shale

MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

<PLGEO/FORM/COREDESC.FOR
rlsed 920717 (JS)

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE 23
AREA			END				OF

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*	/C	TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		183.5	186.1														SS	SH	Mod grey fine sandstone, in part flaser laminated with thin shale
																			occasional band of shale
		186.1	190.4														SH		massive black shale rare calcite infilled fractures
		190.4	191														SH	SS	interbedded massive black shale & laminated fine sandstone shale - laminae, parallel to flaser occasional calcite filled fracture
37	191							B	191.5	86°		6							

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE 24
AREA			END				OF

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)▲		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		192	192.5														SS		Mod. Grey Fine Sandstone
																			calcite filled fractures throughout
		192.5	195.4														SH	SS	interbedded shale & fine
																			sandstone/ shale coal
																			190.4 m. Soft sediment
																			deformation @ 193 m
		195.4	196.0														SH		massive black shale.
		196	199.3												SR		CO		bright & dull
38	196.3																		broken

MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE	25
AREA			END				OF	

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		59.3	202.3							1							SS	SH	Mod. Grey Fine Sandstone
																		-	ripple cross laminated with
																			black shale laminae thru out
		202.3	201.6					J	205.8	51°							SH		Black shale
39	203.1										R3	4							Mainly massive with some
								J	204.9	62°									blebs of fine sandstone
		207.6	208.9																
40	207.8										R3	3					SS		Dull & bright
																			broken
		208.9	209.2														SS	SH	Mod grey Fine Sandstone
																			with shale laminae thru at
																			grades up to shale

MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	mm-96-P1	PAGE	26
AREA			END				OF	

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLES TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		209.6	217.5													SH	CO	Black shale with coal spar throughout
41	213-1																	
42	217.2						B	216.2	50°	R2-R3	4							
		217.5	218.4				B	218	55°		3					SS		Mod grey fine to very fine sandstone, occasional calcite filled fracture parallel bedding
		218.4	239.8													SH		Massive Black Shale coal - 1cm @ 218.6m 2cm @ 219.2m also thin coal spar & coaly bedding planes Trace calcite
43	221.9						B	225.9	72°	R3	3							
44	226.7						B	228.3	64°	R2	2							
45	230.8						J	227.4	106°	R2-R3	3							
46	236.2						B	234.8	57°		3							

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

EXPLOR/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96 - P1	PAGE 27
AREA			END				OF

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		238.8	241.9														SH	CO	Massive Black Shale
47	241.1																		with common coal bands
																			+coal seat
		241.9	248.3												10A		CO		Dull + bright coal
																			broken
		248.3	252.4														SH	CO	Interbedded massive
48	250.9																		black shale & coal
		252.4	253														CO		Sheared
																			dull + bright coal

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

PLGEO/FORM/COREDESC.FOR
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line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE 28
AREA			END				OF

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE ( )*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	
OVERBURDEN DEPTH	(m)	
OVERBURDEN TYPE		
WATER LEVEL	(m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		253	256.5														SH	CO	Interbedded massive black shale & coal. Gradational/ lower contact.
		256.5	256.1														ZS		massive dark grey siltstone with rare coal spar.
49	255.2																		
		256.1	261.4					B	257	42		3					3S	SS	Interbedded massive dark grey siltstone and med grey fine sandstone - parallel bedded to rarely laminated with siltstone
								J	258.6	62°									
50	259.4	260	263.0					B	261.3	46°	R3								

▲ MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

PLGEOFORM/COREDESC.FOR
mod 920717 (JV)

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE 29
AREA			END				OF

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		261·4	261·5												MMT		SS		Mod grey Fine to Medium
51	263·9							D	263·9	56°		4							grained sandstone Parallel
																			bedded to ripple cross
																			laminated. Rare coal
																			spar + ripup chats (shale)
		271·5	271·4					J	265·9	-52°	RS	5					SS		Mod grey Fine to Medium
52	268·2																		grained sandstone with
																			numerous coal spar &
																			ripup chats (shale)
																			carbonaceous banding plane
																			sandstone parallel bedded

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

EXPLOR/FORM/COREDESC.FOR
revised 920717 (JH)

line creek services ltd.

PROJECT		DATE	BEGIN		HOLE NO.	mm-96-P1	PAGE	30
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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		271.4	272.2														SH	SS	interbedded massive
																			black shale & med grey
																			very fine sandstone
		272.2	273.4					J	273.5	59°							SH		massive black shale
53	272.7																		
		275.9	277.1														CO		dull (bright) coal
																			broken to powdered
54	277.1	277.1	280.8														SH	SS	massive dark grey shale
																			with occasional bands
																			laminated shale + siltstone
																			occasional calcite infilled
																			fractures + coal specs.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

EXPLOR/FORM/CORDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE 31
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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION			EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE			EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)▲				WATER LEVEL	(m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS $	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
55	2813	2808	2816														CO		bright-dull coal, broken
		2816	2822														SH	CO	interbedded massive black shale & coal
		2822	2838														ZS	SS	Sparry siltstone & very fine sandstone, mod grey, rare coal bands, soft sediment deformation at base
		2838	2843														SH	ZS	massive black shale with bands of mod grey siltstone. Ripup clasts + burrows in siltstone
56	2856																		

MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P1

<FLGEO/FORM/COREDESC.FOR
rised 920717 (jh)>

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	mm-96-P1	PAGE	32
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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		288.3	290.3					B	290	63°		5					SS		Med gray fine to very fine sandstone. Soft sediment deformation at top & shale rafted burrows between 289.4 + 289.9m
57	290.3	290.3	305.2								R2-R3						SS	SH	Fine med gray sandstone with dark grey shale laminae thinly cut parallel bedded / laminated to wavy laminated. Rare carbonaceous bedding planes + calcite filled fractures
58	296.3							B	298.1	42°	R5	5							
								J	293.3	46°	R5								
59	298.5							J	301.9	41°									
								J	303.7	42°									
60	302.9							B	303.5	53°	R3								

MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	mm-96-P1	PAGE 33
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		305·2	305·8														SH		dark grey shale. massive
61	307·4																		
		305·8	308·2														SS		Medium to Coarse Sandstone med grey with coal spar thru out. Rare coaly bands (1cm) + shale bands
		310·2	310·7														ZS	SS	Fining up unit - coarse sand-stone - med grey to dark grey siltstone
		310·7	312·2														SS	ZS	Fining up unit as described at 310·2m. Rare coal seam
62	311·7																		

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

EXPLGEO/FORM/COREDESC.FOR
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line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	NN1-96-1	PAGE	34
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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		312.2	335														SS		Mod grey fine sandstone
																			with coal spar throughout
		335	336.4														SS	SH	interbedded mod grey parallel
63	336.1																		laminated fine sandstone &
																			dark grey shale
		316.4	320.8														SS		Mod grey medium to very
64	320.4																		coarse sandstone with
																			coal seam thin silt +
																			carbonaceous bedding plane
		320.8	335.5					J	330.1	48°							SH		dark grey shale with occasional
65	321.5																		beds of very fine laminated

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

EXPLGEO/FORM/COREDESC.FOR
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line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE 35
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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
66	328.7																SH		coal.
67	333.4																		
		335.5	339.2					D	338	71°	R3	7					SS	SH	interbedded med grey fine to medium sandstone with coal stringers & black mudstone with coal spar
68	338.8							B	339.6	55°									
									340.7	48°									
		339.2	340.7														SS		med dk grey fine to medium sandstone with coal spar thru out. 3 cm sheared coal @ 241.9m
69	342.3							B	343.7	44°	R3	4							

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

EXPLGEO/FORM/COREDESC.FOR
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line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	NM-96-P1	PAGE 36
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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		342.7	389.8													SH	ZS	Interbedded massive
70	346.5		348.4															black shale & interlaminated
																		black shale + mod gray siltstone
																		parallel to wavy laminae
																		rare calcite filled fractures
		389.8	350.4													CO	ZS	Interbedded shaly coal &
		348.4																mod gray siltstone ~10-20
																		cm bedding.
		350.4	351.4													SH	ZS	dark gray shale with siltstone
71	350.8						J	353.7	38°	R3	3							([illegible]) (gray) bands thin
							B	354.7	16°									out

* MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

PLGEO/FORM/COREDESC.FOR
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CORE DESCRIPTION

PROJECT		DATE	BEGIN	
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HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		351.4	355.1													SS		mod grey fine sandstone
																		parallel bedded with coal
																		spar + disseminated shale
																		thru out
72	355.1	355.1	356.7				B	355.3	43		4					ZS	SS	dark grey siltstone grades
							J	355.4	120°	R3								down to fine med grey
																		sandstone in basal 40cm
										R3								parallel bedded
											4							
		356.7	358.4				B	356.9	43°							SS	ZS	med grey parallel bedded
							B	359.1	39°									fine sandstone grading
																		into dark grey siltstone in
																		top 30 cm

*MEASURED FROM THE HORIZONTAL PLANE

▲ ANGLE MEASURED FROM AXIS OF CORE

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

HOLE NO. P1

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE 38
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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		358·4	359·2														SS		dark grey fine to very fine sandstone with coal spar thru out.
73	359·2	359·2	360·8														ZS		dark grey siltstone parallel bedded - some fine sandstone bands thru out
74	363·7	360·8	363														SS	ZS	Interbedded dark grey siltstone & med grey parallel bedded fine sandstone.
		364·3	365·6														SH		massive dark grey shale trace siltstone bands

·MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

XPLOGO/FORM/COREDESC.FOR
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line creek resources ltd.

PROJECT / AREA		DATE	BEGIN / END		HOLE NO.	MM-96-P1	PAGE 39 OF

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
75	368.1	365.6	369.7													SS		mod grey fine – medium
							B	368	66	R3	5							sandstone parallel bedded
																		rare shale beds
																		ripup clasts (shale) @
																		367.2 – 367.4m
		369.7	370.3													SS		dark grey medium sandstone
																		with [illegible]
																		[illegible] thru out
		370.3	382.3													SH	ZS	[illegible]
76	372.7						J	373.3	110°	R3	3							[illegible]
77	377.1						J	377.7	142°	R4	3							
78	381.6																	

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P1

372.8

XPLGEO/FORM/COREDESC.FOR
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PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1	PAGE	40
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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		382.3	383					B	383.3	68	R3	5					SS		fine-medium med-dark grey sandstone with coal spar thru out
		383	384.4					B	384.2	60°	R3	4					SH	ZS	dark grey [illegible]
		384.4	387.4					B	385.2	78°							SS		Medium to coarse med grey sandstone with [illegible] thru out
79	385.8																		

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P1

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-96-P1
AREA			END			

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH	405.1m	HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		387.4	391.8													SH		Black shale - massive
80	390.3																	with coaly bedding [illegible]
		391.8	393.5													ZS	SH	ripple cross laminated med.
																		grey siltstone with dark grey
																		shale
		393.5	398.8													SH		Black shale massive with
81	394.8																	occasional [illegible]
																		[illegible]
		398.8	405.1													SH	ZS	Interbedded [illegible]
82	399.3	39	405.1															[illegible] - [illegible]
83	404.0																	[illegible]

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

405.1 = TD.

HOLE NO.	

IXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

AREA | DATE START / END | HOLE NO. MM-P2-96 | PAGE 1 OF 13

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE^ DEPTH	JOINT ANGLE^ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
1	2.1m	2.1	5.2	88	2.1	5.1	J	2.4	39							SST		light grey sandstone with occasional traces of coal.
					5.1	7.1										SLT	SST	med. grey siltstone with some fine sandstone interbedded and one small coal seam.
2	6.2	5.2	8.2	93	7.1	11.9	J	10.2	29							SST	SLT	light to med. grey fine sandstone interbedded with siltstone. Near base, the sandstone is brownish.

*MEASURED FROM THE HORIZONTAL PLANE ^ ANGLE MEASURED FROM AXIS OF CORE

XPLGEO/FORM/COREDESC.FOR
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HOLE NO. P2

CORE DESCRIPTION

AREA | DATE BEGIN / END | HOLE NO. MM-P2-96 | PAGE 2 OF 13

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH (m)	
OVERBURDEN DEPTH (m)	
OVERBURDEN TYPE	
WATER LEVEL (m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
3	10.3	8.2	11.3	94														
		11.3	14.3	1.8	11.9	14.6												Missing coal
					14.6	23.5												
4	14.4	14.3	17.4	81			B	18.7	54							SST	SLT	med grey fine sandstone with dark grey
							J	21.	36									siltstone interbedded
		17.4	20.4	92														
5	19.4	20.4	23.5	98														
6	23.5	23.5	26.5	92	23.5	44.4										SLT	SS	med to dark grey siltstone
		26.5	29.6	98														interbedded by fine, light grey sandstone

* MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P2

AREA		DATE	BEGIN / END		HOLE NO.	MM-P2-96	PAGE 3 OF 13

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION			EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH		(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH		(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE			EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL		(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
7	27.3	29.6	32.6	99			J	30.8	32									
8	31.7	32.6	35.7	97			B	34.6	54									
9	35.9	35.7	38.7	89			J	36.2	27									
		38.7	41.8	93			J	39.4	30									
10	40.1	41.8	44.8	93														
11	44	44.8	47.9	99	44.4	48.2	B	45.4	59							SST	SLT	fine grained, light grey sandstone interbedded with siltstone.
12	48.2	47.9	50.9	97														

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P2

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AREA		DATE	BEGIN		HOLE NO.	MM-P2-96	PAGE 4 OF 13
			END				

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		50.9	53.9		48.2	51.2										SH	SST	dark grey shale with some light grey fine grained sandstone
							B	51.2	47									
					51.2	54.3										SLT	SST	med grey siltstone with light grey sandstone interbedded
13	52.4	53.9	66.1	0														
14	? missing																	
					54.3	66.1										Co		Missing coal
15	? missing																	

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P2

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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	DEPTH	ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
16	66.4	66.1	69.2	81	66.1	69										SH	Co	dark grey shale with coal interbedded throughout
17	70.5	69.2	72.2	52	69	73.9										Co		Missing coal
					73.9	75.6										SH	Co	dark grey shale with coal interbedded
		72.2	78.3	99														
18	77	78.3	81.4	95	75.6	85.3	J	77.6	36							SST		med grained, light grey sandstone

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P2

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING:			(m)
	EASTING:			(m)
ELEVATION		HOLE BEARING (AZ°)		
TOTAL DEPTH		HOLE ANGLE (°)*		

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR	LITHO AMPLIFIED
19	81.5	81.4	84.4	95	85.3	96.3	J	84.7	51							SST		light grey, coarse grained sandstone interbedded with a darker sandstone.
		84.4	87.5	89			B	85.9	54									
20	86.4	87.5	90.2	95														
21	90.4	90.2	93.3	99														
22	94.6	93.3	96.3	94	96.3	97.5	J	95.4	58							SH	SST	black shale interbedded with light grey sandstone
		96.3	101.2	40	97.5	101.9										Co		Missing coal

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P2

AREA | DATE BEGIN | END | HOLE NO. MM-P2-96 | PAGE 7 OF 13

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
23	?Missing				101.9	107.3										SH	SST	Dark grey shale interbedded with fine sandstone and coal
24	103.6	101.2	105.8	118	107.3	115.1	B	114.7	57									
25	107.9	105.8	109.2	71														
		109.2	111.3	96	115.1	115.8										Co		Missing coal
26	111.9	111.3	114.3	115														
		114.3	114.9	0														
		114.9	118	72			SS	116.4	37									

*MEASURED FROM THE HORIZONTAL PLANE A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P2

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AREA | DATE BEGIN / END | HOLE NO. MM-P2-96

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLEA DEPTH	JOINT ANGLEA ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
28	117.7	118	121	84	115.6	143.4	B	119.7	90							SH	SST	Black to dark grey shale intebedded with small bands of sandstone
29	121.8	121	124.1	97			B	121.7	45									
30	126	124.1	127.1	95														
		127.1	130.1	96			J	128.6	59									
31	130.2	130.1	133.2	99			J	130.8	36									
32	134.6	133.2	136.2	99														

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

MR.GEO/FORM/COREDESC.FOR

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
33	138.9	136.2	139.3	94			SS	140.9	68									
		139.3	142.3	98														
34	143.3	142.3	145.4	32	143.4	147.2										Co		Missing coal
		145.4	148.4	37	147.2	149.1										SH	SST	Black shale interbedded with some light grey sandstone
35	148.9	148.4	151.5	56	149.1	150.8										Co		Missing coal

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

EXPLGEO/FORM/COREDESC.FOR
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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
36	153.7	151.5	154.5	98		150.6	158.1	J	154.8	# 67							SH	SST	Black shale with small bands of fine sandstone
		154.5	157.6	95															
37	157.9	157.6	160.6	98				B	161.1	56									
								B	161.6	90									
38	162.3	160.6	162.5	95		158.1	166.1										SLT	SST	Dark siltstone with some fine grained sandstone interbedded
		162.5	165.5	97															

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P2

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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
39	166.6	165.5	168.6		99	166.1	169.9	D	166.6	154							SST	Co	Very coarse sandstone with small bands of coal interbedded
		168.6	169.6		93			B	166.6	90									
40	170.9	169.8	172.8		98	169.9	173.2										SLT	SST	Dark grey siltstone interbedded with significant amounts of sandstone.
41	175.2	172.8	175.9		99														
						173.2	177.9										SST	SLT	Coarse grey sandstone interbedded with a little dark siltstone

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P2

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PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P2-96	PAGE	12
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH (m)	
OVERBURDEN DEPTH (m)	
OVERBURDEN TYPE	
WATER LEVEL (m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
								B	176.6	56									
		175.9	176.9		66	177.9	178.9										Co		Missing coal
								J	181.1	64									
42	180.1	178.9	181.9		96	178.9	193.4										SH	SST	Black shale interbedded with a fine grained light grey sandstone
43	184.6	181.9	185.0		97														
		185.0	186.1		97			B	186.1	54									
								J	187.5	61									

MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P2

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PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P2-96	PAGE	13
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CORE DESCRIPTION

HOLE PARTICULARS | LOGGING | PRE-CORE INFORMATION | EXAMINATION

LOCATION	NORTHING: (m)	LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)	LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION	HOLE BEARING (AZ°)	OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH	HOLE ANGLE (°)*	TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	TO	RECOVERY (m) m	%	GEOPHYS DEPTH FROM	TO	TYPE	JOINT ANGLE▲ DEPTH	ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. # / m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
44	188.7	186.1	191.1	96															
45	193.2	191.1	194.2	99	193.4	207.9		J	194.6	44							SST	Co	A coarse, light grey, sandstone interbedded with little traces of coal (.5cm)
		194.2	197.2	99				B	195.9	58									
46	197.5	197.2	200.3	99															
47	201.9	200.3	203.3	99															
48		203.3	206.3	99															
		206.3	207.9	50															

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P2

EXPLGEO/FORM/COREDESC.FOR
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CORE DESCRIPTION

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96
AREA			END			

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION			EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH		(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH		(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE			EXAMINER (S)	
TOTAL DEPTH	430m	HOLE ANGLE (°)*		TESTS		WATER LEVEL		(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
1	3.3m	3.3m	4.6m				B	6.7m	61°							ZS	SS	interlaminated dark grey
																		siltstone & very fine sandstone
																		Rubble
		4.6	6.1															MISSING
		6.1	7.4													SS	ZS	Flaser laminated med. size fine sandstone & dark grey siltstone
		7.4	10.7													SS		med grey fine sandstone
2	8.3																	weakly bedded. Rare rip up clasts (shale). Med grained at base

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P3

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PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	2
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CORE DESCRIPTION

HOLE PARTICULARS | LOGGING | PRE-CORE INFORMATION | EXAMINATION

LOCATION	NORTHING: (m)	LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)	LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION	HOLE BEARING (AZ°)	OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH	HOLE ANGLE (°)*			WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. f/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		10.7	13.7														SS		Mod grey Medium grained
3	12.9							B	14.3	145°	R3	6							sandstone with coal
								J	14.2	39°									spar & carby bedding planes
																			thru out
		13.7	28.6			B		B	19.9	76°							SS		Med - Coarse grained light
4	17.5																		grey sandstone - fines w/
5	21.6							B	24.1	63°	R3-R4	4							weakly bedded rare coal spar
6	27.8							J	28.9	51°	R3-R4	4							heat affected.
								B	29.9	56°									
		28.6	31.3																mod grey medium grained
																			sandstone weakly bedded
																			heat affected

MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

(PLGEO/FORMS/COREDESC.FOR
rev 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	3
AREA			END				OF	47

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		31.3	38														SS		Fine grained Sandstone -
7	320																		White to Salmon Pink in
																			colour - heat affected
																			weakly bedded
		34.8	38.1														ZS		Salmon pink siltstone with
8	380																		occasional fine sandstone
																			beds + lamina.
																			heat affected
		38.1	38.4												2U		CO		Burnt Coal or Clinker
																			red-brown to Salmon Pink

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P3

EXPLOGO/FORM/COREDESC.FOR
revised 920717 (jb)

Line Creek Resources Ltd.

PROJECT: MMCD021

AREA:

CORE DESCRIPTION

DATE BEGIN: | END:

HOLE NO. MM-P3-96

HOLE PARTICULARS

LOCATION	NORTHING: (m)		LOGGING		PRE-CORE INFORMATION		EXAMINATION	
	EASTING: (m)		LOGS RUN		CASING LENGTH (m)		LOG USED	
ELEVATION		HOLE BEARING (AZ°)	LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
TOTAL DEPTH		HOLE ANGLE (°)*	OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
					WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		38.4	39.3													SH		White Shale. massive heat affected
		39.3	43.5													ZS		White to orangey-pink siltstone heat affected. 10cm clinker @ 44.4m
		43.5	44.6													SH	ZS	orangey. pink shale + siltstone Rubble. heat affected.
		44.6	45.9.															
9	44.9													2L		CO		Clinker – black to red brown burnt coal.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

HOLE NO. P3

[illegible] line creek resources ltd.

PROJECT	[illegible]
AREA	

DATE	BEGIN	
	END	

HOLE NO. MM-P3-96

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING:		(m)
	EASTING:		(m)
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS			GEOPHYS DEPTH		TYPE	JOINT ANGLE▲		SUMMARY GEOTECH			SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION		
		FROM	TO	RECOVERY (m) m %	FROM	TO		DEPTH	ANGLE	HARDNESS	FRAC.FREQ. #/m	RQD %				MAIN	MINOR	AMPLIFIED
10		45.9	48.5													SH	CO	Pink to black shale with coaly interbeds rubble. heat affected
		48.5	49.3													SH?		Altered ?Shale - clay with clasts of clinker + rubble thru out - heat affected
		49.3	49.8													ZS?		red-brown ? Siltstone rubble - heat affected
		49.8	50.5													SH		black shale in part altered to clay as at 48.5m heat affected

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

CORE DESCRIPTION

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM - P3-96
AREA			END			

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
11	50.5	50.5	53.3							R2	8					SH		black shale with coaly
																		bedding planes
		53.3	54.5				B	53.9	60°	R2	completely fractured					SH	25/55	light grey sandstone in basal 20cm
12	55m						B	54.7	49°		10							grading up to dark grey
																		shale with siltstone laminae.
		54.5	58.6													SH		dark grey shale
13	58.5									R3-R4	1							very broken rare band of
																		shale altered to clay.
		58.6	62.8				B	69.0	49°							SH	25	dark grey shale with siltstone
							J	69.0	47°									beds - ripple cross laminated
								59.0										- & laminae rare calcite infilled fractures

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P3

XPLGEO/FORM/COREDESC.FOR
vised 930717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	7
AREA			END				OF	47

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLEA DEPTH	JOINT ANGLEA ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		62.8	67.6					B	65m	81		4					2S	5S	mod grey siltstone with
14	63.0																		beds + laminae of fine to
																			very fine sandstone
																			Sandstone more prevalent toward
																			base.
15	67.6	67.6	71.6								* BOX 15 Dropped on flight *								
																			predom. siltstone & ripple
																			cross laminated fine sandstone
																			+ siltstone
16	71.6	71.6	72														SH		black shale. 5cm
																			clinker at top of unit

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

Fording River Operations

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	8
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ')	
TOTAL DEPTH		HOLE ANGLE ( )°	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		72m	74·8														ZS	SH	dark grey siltstone with beds grey shale broken altered to clay @ 73·2m
		74·8	75·2														CO		bright + dull coal broken
		75·2	77·3														SH	CO	black shale with coal wisps & bedding plnes 4cm clarey coal @ 75·8m
17	76m																		
		77·3	77·6													3LA	CO		dull + bright coal
		77·6	77·8														SH		black shale with coal seam

MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	9
AREA			END				OF	47

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
18	80.3	77.8	79.3											3LA		CO		Dull + bright coal - stony in part
		79.3	81.1													CO	SH	Interbedded coal - dull + bright - & black shale with coal spar.
19	84.8	81.1	85.9				B	82.7	66°	R3	3					SH		black shale with coaly bedding planes 7cm Sheared coal @ 82.2m
							J	82.7	24°									
		85.9	88.7				B	88m	55°		5					2S	SS	dark grey siltstone with beds + laminae of fine sandstone - ripple cross laminated to flaser bedded

MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

CORE DESCRIPTION

HOLE PARTICULARS					
LOCATION	NORTHING:				(m)
	EASTING:				(m)
ELEVATION		HOLE BEARING (AZ°)			
TOTAL DEPTH		HOLE ANGLE (°)*			

LOGGING	
LOGS RUN	
LOGGED BY	
OTHER	
TESTS	

PRE-CORE INFORMATION		
CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION	
LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR	LITHO AMPLIFIED
21	93-4	93-1	94-8													SS	SH	med grey very fine sandstone ripple cross laminated to flaser laminated with small number of calcite filled fractures
		94-8	95-6													SH		massive black shale
		95-6	96-5													SH	CO	Interbedded coal + black shale - massive
		96-5	98-3											3LA		CO		Dull + bright friable broken

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. 93

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	12
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ')			
TOTAL DEPTH		HOLE ANGLE (°)*			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	WATER LEVEL	(m)
OVERBURDEN DEPTH	(m)		
OVERBURDEN TYPE			

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
22	98.3	98.3	99.1								R2-R3	4					SH		Massive black shale
																			coaly at top
		99.1	100.3					B	99.3	44°							SH	SS	black shale interbedded
								J	99.9	54°									with mod grey fine
																			sandstone - ripple cross
																			laminated to flaser laminated
		100.3	120.4					B	115	51°		3					25	SH/SS	Mod grey siltstone with fine
23	103							B	102.8	60°	R2	4							sandstone laminae + beds
24	107							J	102.8	45°	R3	4							black shale.
25	111.3							J	112.7	54°	R3	3							sandstone/siltstone ripple
26	115.8							B	117.5	48°	R3	3							cross laminated calcite filled
27	119.9							B	123.6	48°	R2-R3	6							fractures + thin out
																			mole sandy towards base

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	R3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

Fline creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	13
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)						
	EASTING: (m)						
ELEVATION		HOLE BEARING (AZ°)					
TOTAL DEPTH		HOLE ANGLE (°)*					

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	
OVERBURDEN DEPTH	(m)	
OVERBURDEN TYPE		
WATER LEVEL	(m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		120.4	122.2														SH		Black Shale with Coaly Bedding Planes
																			10cm coal @ 121.5m
		122.2	121.4														SH	ZS	Grey-black shale with med grey siltstone beds thru out
28	124																		
		121.4	125.6												4		CO		Dull + bright coal broken
		125.6	125.8														SH		Black Shale with coaly wisps

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	PB

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	mm-P3-96	PAGE	10
AREA			END				OF	47

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH (m)	
OVERBURDEN DEPTH (m)	
OVERBURDEN TYPE	
WATER LEVEL (m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
20	88.7	88.7	90.7														SH	2S	black shale with siltstone (med grey) laminae - bands thru out
		90.7	91.6												ZLA		CO		Gradational top contact - 20cm stony coal Dull + bright coal
		91.6	93.1														SH	2S	black shale with rare coal wisps + interbeds of cross laminated med grey siltstone to very fine sandstone

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
evised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96
AREA			END			

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR	AMPLIFIED
		125.8	126.4												4		CO		Dull + bright coal
		126.4	126.6														SH		Massive black shale
		126.6	127.6												4		CO		Dull + bright coal
		127.6	127.9														SH		massive black shale
		127.9	128.7												4		CO		Dull + bright coal
29	128.2																		
		128.7	132														SH	ZS	Black shale with coalwisps
																			+ ripple cross laminated
																			siltstone beds. 2 + 3cm
																			fine [illegible] bands near ba

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	mm-P3-96	PAGE	15
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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		132	136.0					B	132.5	70°	R3	4					SS	SH	med grey ripple cross
30	130.5																		laminated fine sandstone
																			with beds dark grey shale
		136.1	1359					B	134.1	48°							SH	CO	Black shale with 1-2cm
								J	135.5	52°									coal bands thin out
																			Rare siltstone laminae
		1359	1363														SS	ZS	Interlaminated med grey
																			fine sandstone + siltstone
		136.3	1602					B	139.6	59°	R3-R4	3					SH	ZS	Black shale with beds
31	137.8							J	140.0	18°									of med grey siltstone
																			calcite filled fractures thin a

*MEASURED FROM THE HORIZONTAL PLANE. ^ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

Lake line creek resources ltd.

PROJECT: Mt Michael
AREA:
DATE: BEGIN / END
HOLE NO. MM-P3-96
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		LOGGING: LOGS RUN		PRE-CORE INFORMATION: CASING LENGTH (m)		EXAMINATION: LOG USED	
	EASTING: (m)		LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)	OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )*			WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	JOINT ANGLES TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
32	1160.7	1160	1161.3														SS	25	med grey fine siltstone weakly cross laminated with siltstone beds
		1161.3	1161.5					B	142.5	50°	R2-R3	4							
								J	143.3	132°							SH	25	Black shale with siltstone laminae thru out
		1161.5	1162																
																	SH		Massive black shale
33	1165.2	1162	1167.2					B	1165.5	76	R3	2					SS		Med grey fine sandstone parallel bedded with occasional siltstone beds. Calcite filled fractures thruout

* MEASURED FROM THE HORIZONTAL PLANE. A ANGLE MEASURED FROM AXIS OF CORE

line creek resources ltd.

CORE DESCRIPTION

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96
AREA			END			

HOLE PARTICULARS

LOCATION	NORTHING:	(m)	LOGGING		PRE-CORE INFORMATION			EXAMINATION	
	EASTING:	(m)	LOGS RUN		CASING LENGTH		(m)	LOG USED	
ELEVATION		HOLE BEARING (AZ°)	LOGGED BY		OVERBURDEN DEPTH		(m)	NO. OF SEAMS SAMPLED	
TOTAL DEPTH		HOLE ANGLE (°)*	OTHER TESTS		OVERBURDEN TYPE			EXAMINER (S)	
					WATER LEVEL		(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		147.2	150.7															
34	149.3															ZS	SH	mod grey cross laminated siltstone with dark grey shale beds calcite filled fractures thru out
		150.7	153.6															
																SS	SH	mod grey fine sandstone convolute bedded in top 10cm, rest is ripple cross laminated with dark grey shale beds
		153.6	155.6															
35	153.7															ZS	SS	dark grey siltstone ripple cross-laminated with mod grey fine sandstone

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

1.2

HOLE NO. P3

line creek resources ltd.

CORE DESCRIPTION

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	18
AREA			END				OF	47

HOLE PARTICULARS

				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLEA DEPTH	JOINT ANGLEA ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		155.6	157.9					B	150.9	158°							SS		Mod grey Fine - Medium sandstone, parallel bedded.
		157.9	159.3																
36	158.1							B	159.9	48°	R3	3					SS		Mod grey Medium Grained sandstone with coal spar thru out.
		159.3	161.3														SH		Massive black shale
		161.3	162.1												74		SH	CO	Interbedded massive black shale & bright + dull coal 10 - 30cm beds, broken.

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	19
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ°)			
TOTAL DEPTH		HOLE ANGLE (°)*	70		

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)		
OVERBURDEN DEPTH	(m)		
OVERBURDEN TYPE			
WATER LEVEL	(m)		

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		162·1	165·0														SH		Black shale with occ. coal
37	162·4																		siltstone laminae throughout
		165·0	167·0					B	166.8	42°							ZS	SH	med grey siltstone with
38	166·7							T	166.8	38°									bands + rare laminae of
																			black shale throughout
		167·	169·2												7L		CO		Dull + bright coal, broken
																			5cm shale @ 167·25m
		169·2	169·5														SH	CO·	Massive black shale with
																			10cm coal at base - broken

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	mm-P3-96	PAGE	20
AREA			END				OF	47

CORE DESCRIPTION

HOLE PARTICULARS

				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )*				WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		169.5	178.1														ZS	SH	Interbedded + interlaminated
39	171.0																		dark grey siltstone + dark
40	175.3																		grey shale
																			some ripple cross lamination
																			in siltstone, beds from 1cm
																			to 50cm carbonaceous fragments
		178.1	180.8																
41	179.6																SH		massive dark grey shale with
																			rare siltstone laminae. Siltstone
																			more predominant in lower
																			1.5 m.
		180.8	184.4																
42	183.9																ZS	SS	Interbedded + interlaminated
																			med grey siltstone + fine-very
																			fine sandstone - some coal laminae

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 ( )s)

CORE DESCRIPTION

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE 21 OF 47
AREA			END				

HOLE PARTICULARS

LOCATION	NORTHING:	(m)
	EASTING:	(m)
ELEVATION		HOLE BEARING (AZ°)
TOTAL DEPTH		HOLE ANGLE (°)*

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		184.4	186.8														SH		Massive black shale
																			very carbonaceous
																			rare coal spar
		186.8	187.5														ZS	SH	Interbedded med gray ripple
																			cross laminated siltstone &
																			very carbonaceous black shale
		187.5	196.1														SS	ZS	Interbedded + interlaminated
43	188.5							B	189.5	66°	R3	2							med gray fine - mudstone +
44	192.8							B	193.1	61°									med gray siltstone - ripple
								B	194.1	57°	R3	2							cross laminated to flaser
																			laminated, rare [illegible]
																			[illegible] fining [illegible]

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

[illegible] Creek Resources Ltd.

CORE DESCRIPTION

PROJECT	Mt Michael	DATE BEGIN	
AREA		END	–

HOLE NO. MM-P3-96

HOLE PARTICULARS

LOCATION	NORTHING:	(m)
	EASTING:	(m)
ELEVATION		HOLE BEARING (AZ°)
TOTAL DEPTH		HOLE ANGLE (°)*

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)
OVERBURDEN DEPTH	(m)
OVERBURDEN TYPE	
WATER LEVEL	(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		196.1	199.6													ZS	SH	mod grey siltstone – ripple
45	197.2						B	198.8	66°	R3	5							cross laminated with dark
							J	102	51°									grey shale interbeds..
		199.6	200.2													SH		massive black shale
																		rare coal spar
																		+ calcite filled fractures
		200.2	201.4				J	201.0	38°							ZS	SH	mod grey siltstone + black
																		shale interbedded –
																		Rare
																		calcite filled fractures.

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

Line Creek resources ltd.

PROJECT	[illegible]
AREA	

DATE	BEGIN	
	END	

HOLE NO. MM-P3-96

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING:	(m)
	EASTING:	(m)
ELEVATION		HOLE BEARING (AZ°)
TOTAL DEPTH		HOLE ANGLE (°)*

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
46	201.7	201.4	203.9													SH		Black shale with coaly bedding planes thru out + coal beds ~1cm starting at 202.8 m.
47	206.2	203.9	206.4											8M		CO		Dull + bright coal - broken to rubble
48	210.6	206.4	207.6													SH		light grey shale with calcite filled fractures thru out 20cm horizontal [illegible] @ 206.7
		207.6	210.9													SH	SS	dark grey shale with mod grey siltstone laminae thru out

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)
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line creek resources ltd. | PROJECT [illegible] | AREA | DATE BEGIN / END | HOLE NO. MM-P3-96

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH (m)	
OVERBURDEN DEPTH (m)	
OVERBURDEN TYPE	
WATER LEVEL (m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		209	211.5				~~B~~	21								ZS	SH	med grey siltstone, with dark grey shale beds + laminae - more common near top of unit. - Some convolute bedding
							~~B~~											
19	215	211.5	216.5				B	213.0	85°							ZS	SS	dark grey siltstone with med grey fine sandstone laminae thru out. Sandstone increase towards base of unit
							J	213.0	12°									
		216.5	217.1				B	216.3	69°	R3	7					SH		massive black shale. carb. content increasing down section

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

Line Creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	mm-P3-96	PAGE	25
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE ( )*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	LOG USED	
OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
OVERBURDEN TYPE		EXAMINER (S)	
WATER LEVEL	(m)-	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE DEPTH	JOINT ANGLE ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		219.4	220.5												RU		CO		Dull + bright coal broken
50	219.8																		
		220.5	222.2														SH		Black shale with coal spar at top & interbedded siltstone content towards base.
		222.2	224.4																
51	224.0																25	SS	mod grey siltstone with bands of black shale + mod grey sandstone throughout
																		SH	
		224.4	226.3														SH		Black shale with coaly bedding planes & rare silty beds

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P13

line creek resources ltd.

PROJECT: Mt Michael
AREA:
DATE BEGIN:
END:

HOLE NO. MM-P3-96

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)
OVERBURDEN DEPTH	(m)
OVERBURDEN TYPE	
WATER LEVEL	(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR	AMPLIFIED
		226.3	227.9													SS	ZS	light grey fine to very fine sandstone flaser laminated with dark grey siltstone. Siltstone content increasing towards base
		227.9	232.4				B	230.7	29°		7							
52	228.3									R3	5					ZS	SH	med grey siltstone with coaly bedding planes + shaly beds laminae throughout flaser to convolute lamination. Rare coal spar
53	232.4	232.4	235.0				B	233.9	36°	R2-R3	5					SH		Black Shale with siltstone laminae + coaly bedding planes
							J	233.8	69°									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
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line creek resources ltd.

CORE DESCRIPTION

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96
AREA			END			

HOLE PARTICULARS

LOCATION	NORTHING:	(m)
	EASTING:	(m)
ELEVATION		HOLE BEARING (AZ°)
TOTAL DEPTH		HOLE ANGLE (°)*

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		235.0	235.4													SS	ZS	Flaser bedded med grey very fine sandstone + dark grey siltstone. Calcite filled fractures at base
		235.4	236.1													ZS		Dark grey massive siltstone
		236.1	236.8													SH	CO	Carbonaceous shale with coal spar + coal laminae (1-2cm) thruout
54	236.8	236.8	238.2				J	238.0	20°							ZS	SS	dark grey siltstone with med grey fine sandstone laminae thru out. Rare coal spar

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

line creek resources ltd.

CORE DESCRIPTION

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96
AREA			END			

HOLE PARTICULARS

LOCATION	NORTHING:		(m)
	EASTING:		(m)
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		238.2	239.4													SH		Black Shale with coaly
																		bedding planes + rare
																		coal spar.
		239.4	240.2												8L	CO		Dull + bright coal
																		broken
		240.2	242.3													SH		Black shale with rare
55	241																	siltstone laminae
		242.3	245.8													SS	ZS/SH	med grey fine sandstone.
56	245.4																	flaser laminated with siltstone
																		+ or shale.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
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line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	29
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ)	
TOTAL DEPTH		HOLE ANGLE ( )*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		216·8	217·4														SH		Massive black shale
																			Carbon content increasing
																			towards base. Coaly lead
																			planes + top coal spar.
		217·4	219·1												BR		CO	SH	Interbedded coaly shale
																			+ massive dark shale
		219·1	219·8												BR		CO		Dull + Bright Coal
57	219·5																		
		219·8	250·2														25	SH	Interlaminated med grey
																			siltstone + dark grey shale
		250·2	251												BR				Shaly coal with 20cm dirty
																			coal at base.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PB-96	PAGE	30
AREA			END				OF	47

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)		LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)	OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*	TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		251	253.1														SH		Blocky shale with coaly bedding planes
58	253.7	253.1	256.3														2S	SS	dark gray siltstone with mod gray fine sandstone beds
		256.3	257.6														3S	SH	Fining up unit - mod gray fine sandstone at base → dark gray siltstone → dark gray shale
		257.6	260.7					D	260.4	39°	R3-R4	2					4S		mod gray very fine to fine sandstone parallel bedded to cross laminated
59	258.3							J	260.1	33°									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PB

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	31
AREA			END				OF	47

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*	/			WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		262.4	262.4														2S	SS	Dark grey siltstone with occasional beds of med grey medium grained crossl laminated sandstone (2cm)
		264	266.7														SS	2S	Interbedded med grey sandstone + dark grey siltstone. Sandstone = medium grained at top, fine grained at base - cross laminated some rip up clasts (siltstone) base of sandstone beds
		266.7	267.9														SS		Med grey fine - medium grained parallel bedded sandstone
61	267.2																		rare siltstone rip up clasts

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

line creek resources ltd.

PROJECT	AN Michael	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	32
AREA			END				OF	47

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)						
	EASTING: (m)						
ELEVATION		HOLE BEARING (AZ')					
TOTAL DEPTH		HOLE ANGLE (°)*					

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	
OVERBURDEN DEPTH	(m)	
OVERBURDEN TYPE		
WATER LEVEL	(m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE DEPTH	JOINT ANGLE ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		267.9	269.8														SS	ZS	Fining up unit - Ripple cross laminated dark gray siltstone at top - very fine sandstone + fine sandstone at base
		269.8	270.5														SS		Med gray weakly bedded sandstone - medium grained with 10cm course grained base with coal spar
		270.5	279.3														ZS	SS	Interbedded dark gray siltstone & ripple cross laminated siltstone fine sandstone & rab med gray fine sandstone beds.
62	271.8							R	273.7	74°	R	3							
63	276.2																		

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jh)

line creek resources ltd.

CORE DESCRIPTION

PROJECT	[illegible]	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE 33 OF 47
AREA			END				

HOLE PARTICULARS

LOCATION	NORTHING: (m)	LOGGING: LOGS RUN		PRE-CORE INFORMATION: CASING LENGTH (m)		EXAMINATION: LOG USED	
	EASTING: (m)	LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION	HOLE BEARING (AZ°)	OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH	HOLE ANGLE (°)*	TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR	LITHO AMPLIFIED
		279.3	280.7													SS	ZS	Fining up unit - ripple cross
																		laminated siltstone to fine
																		sandstone Ripup clasts
																		(siltstone) in base
		280.7	281.3													SS	ZS	Fining up unit as at 279.3m
04	280.8																	rip up clasts rare
		281.5	282.1				B	281.5	50°		4					SS	ZS	Interbedded mod grey Fine-
																		Medium Grained Sandstone with
																		siltstone ripup clasts & dark
																		grey siltstone

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

Eagle Plains Resources Ltd.

PROJECT: Mt Michael | AREA:

DATE: BEGIN | END

HOLE NO. MM-P3-96

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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)		LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)	OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )°	TESTS		WATER LEVEL (m)		DATE	

LOGGING | PRE-CORE INFORMATION | EXAMINATION

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		282.0	284.0														SS		Mod gray medium sandstone weakly parallel bedded with silty up-up cycles & coal spar thru out
		284.0	285.2														Cong		Mod gray granule conglomerate with medium sandstone matrix. Matrix supported coal spar thru out. ? Chert, quartz & shale granules
65	285.2	285.2	287.4					B	285.9	57°	R5	8					SS		Mod gray coarse grained sandstone with coal spar thru out.
								J	289.2	59°	R3	6							

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

HOLE NO. P3

line creek resources ltd.

PROJECT: Mt Michael | AREA:

DATE: BEGIN | END

HOLE NO. MM-P3-96

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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH (m)	
OVERBURDEN DEPTH (m)	
OVERBURDEN TYPE	
WATER LEVEL (m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		287.4	289.9							1	R3	4					SS	75	Interbedded dark grey siltstone parallel to cross laminated siltstone + mod grey fine sandstone
66	289.6							B	289.9	158°									
								J											
		289.9	293.0						293.0	57°	R3	3					25		dark grey siltstone with rare mod grain fine sandstone laminae
		293.0	298.6					B	297.5	61°	R2-R3	3					75	25	Interbedded dark grey siltstone & ripple cross laminated mod grey fine sandstone — finer laminations in part
67	296.0							J	297.5	38°									
68	298.5										R3	3							
								B	299.1	72°									
								J	299.2	41°									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

fine creek resources ltd.

PROJECT	MH Michel	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	36
AREA			END				OF	47

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)						
	EASTING: (m)						
ELEVATION		HOLE BEARING (AZ')					
TOTAL DEPTH		HOLE ANGLE ( )°	/0				

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	LOG USED	
OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
OVERBURDEN TYPE		EXAMINER (S)	
WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		298.6	300.1														ZS		dark grey siltstone with
																			rare med grey fine sandstone
																			laminae
		300.1	300.5														SS		med grey very fine grained
																			sandstone weakly bedded.
																			calcite filled fractures 1mm out
		300.5	302.9														ZS	SS	dark grey siltstone with beds
																		SH	of med grey fine sandstone
																			+ dark grey shale
69	302.9	302.9	306.1														SH	ZS	Dark grey to black shale with
																			occasional siltstone beds

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

fina creek resources ltd.

PROJECT	FH [illegible]	DATE	BEGIN		HOLE NO.	MM-P3-96
AREA			END			

CORE DESCRIPTION

HOLE PARTICULARS					
LOCATION	NORTHING:		(m)		
	EASTING:		(m)		
ELEVATION		HOLE BEARING (AZ°)			
TOTAL DEPTH		HOLE ANGLE (°)*			

LOGGING	
LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION		
CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION	
LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		306·1	306·7													SH	CO	Interbedded carbonaceous shale & dull (bright) coal
		306·7	30·4											10A		CO		Dull + Bright coal
70	307·2																	
		30·4	311·5													SH	CO	Interbedded black shale with coal spar & coal - dull
71	311·5	311·5	314·1											10A		CO		Dull + bright coal
		314·1	315·1													SH	CO	Interbedded black shale with coal spar & dull + bright coal

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. F3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)
1

fine creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	38
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH (m)	
OVERBURDEN DEPTH (m)	
OVERBURDEN TYPE	
WATER LEVEL (m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		315·1	315·8														SH	CO	Black shale with coal spar
72	315·6																		coal bands
		315·8	318·3														SH		massive black shale with
																			numerous calcite filled
																			fractures. Mole sandy
																			tawed base
		318·3	319·2												10A		CO		Dull + bright coal
																			- broken
		319·2	320·2														SH	CO	Interbedded black shale with
																			coal spar & coal

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

line creek resources ltd.

PROJECT | AREA | DATE BEGIN / END | HOLE NO. MM P3 96 | PAGE 39 OF 47

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
73	320.2	320.2	321.9						321.0	48°	R2	3					SH		Black Shale with coaly bedding planes
		321.9	326.8								R2-R3	3			IOL		CO		Dull + Bright Coal
74	326.1	326.8	335.9					S	326.3	43°							SH	CO	Interbedded black shale with coal spar & coal
								B	326.8	52°									
		326.9	333.01														ZS	SS	dark grey massive siltstone with occasional mm grey fine sandstone bed
75	328.5							B	330.4	60°	R3	4							
76	333.0							B	335.7	54°	R3	3							Base black shale beds

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

LCL line creek resources ltd.

CORE DESCRIPTION

PROJECT	Mt Michael	DATE	BEGIN	
AREA			END	–

HOLE NO. MM-93-98

HOLE PARTICULARS

LOCATION	NORTHING:	(m)	LOGGING	LOGS RUN		PRE-CORE INFORMATION	CASING LENGTH	(m)	EXAMINATION	LOG USED	
	EASTING:	(m)		LOGGED BY			OVERBURDEN DEPTH	(m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS			OVERBURDEN TYPE			EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*					WATER LEVEL	(m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		334.1	335.6													SS		Med grey fine grained
																		sandstone, weakly cross
																		laminated
		335.6	337.8													ZS		Dark grey siltstone with
77	337.3																	rare fine sandstone laminae
		337.8	339.7													ZS	SS	Dark grey siltstone + med grey
																		very fine to fine sandstone -
																		interbedded + interlaminated
																		cross beds to flaser beds
78	341.9	339.7	346.8				J	343.3	33°							SS	ZS	Med grey ripple cross laminated
79	346.6						B	343.3	45°									fine sandstone with dark grey

siltstone beds.

*MEASURED FROM THE HORIZONTAL PLANE.   ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-D3-96	PAGE	41
AREA			END				OF	47

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ')			
TOTAL DEPTH		HOLE ANGLE ( )*			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	LOG USED	
OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
OVERBURDEN TYPE		EXAMINER (S)	
WATER LEVEL	(m)	DATE	

EXAMINATION

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		346.8	347.7														SS	2S	Mod grey fine sandstone, floser laminated with chalk grey siltstone
		347.7	359.5					B	353.5	63°	F	4			MM55		SS		Mod. grey medium sandstone cross bedded
80	350.6																		12cm siltstone @ 350.2m
81	355.1							J	356.9	39°	R3	5							occasional calcite filled
82	359.4							B	358.8	45°	R3	4							fracture very rare shale
																			laminae. At 352m, coal
																			spar becomes common
		359.5	362.0														SS		Mod grey fine sandstone weakly
																			bedded, rare mud clasts
																			mod siltstone in bed 362m

*MEASURED FROM THE HORIZONTAL PLANE

▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. D3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 ( )

Fine Creek Resources Ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	42
AREA			END				OF	47

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ')			
TOTAL DEPTH		HOLE ANGLE ( )*			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		3620	3624														SH		massive black shale
		3624	3629														SS		med grey fine sandstone weakly bedded
		3629	3635														SH		massive black shale
363	364																		grades to siltstone in basal 30cm.
		3635	3637																med grey medium sandstone -coarsens up-fine at base coal seat thru out core bedding to weakly bedded

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	mm-93-96	PAGE 43
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH (m)	
OVERBURDEN DEPTH (m)	
OVERBURDEN TYPE	
WATER LEVEL (m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION
		367.7	371.9							1							2S	SS	Fining up unit:- Fine med grey sandstone at base then dark grey siltstone with fine sandstone laminae
84	368.3							B	370.2	160°	R2	4							
		371.9	373.0					J	371.5	48°							SH		Massive. black shale
85	372.7																		
		373.0	380.5					B	373.3	35°	R3	5					2S	SS	dark grey siltstone with med grey fine to very fine sandstone beds
86	377.1							J	373.1	52°									
		380.5	385.6					B	385m	73°	R3	3					SS		med grey fine sandstone parallel to ripple cross laminae
87	381.3							J	384.1	33°									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96	PAGE	44
AREA			END				OF	47

CORE DESCRIPTION

HOLE PARTICULARS

				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		385·6	386·7														ZS	SS	dark grey siltstone with
78	385·9																		lam beds med grey fine
																			sandstone
		386·7	388·6														SS		med grey fine sandstone
																			rock core laminated
																			20 cm dark grey siltstone at
																			387·3 m
		388·6	390·2														SS	SH	med grey fine sandstone with
																			carb shale laminae throughout
		390·2	391·7																
79	390·3																		dark grey siltstone massive

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

line creek resources ltd.

PROJECT: Mt Michael | AREA: | DATE BEGIN: | END: | HOLE NO. MM-P3-96 | PAGE 45 OF 47

CORE DESCRIPTION

HOLE PARTICULARS			
LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING	
LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION	
CASING LENGTH (m)	
OVERBURDEN DEPTH (m)	
OVERBURDEN TYPE	
WATER LEVEL (m)	

EXAMINATION	
LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		391.7	393.9													SS	2S	light grey sandstone - fine,
																		parallel to cross laminated
																		with occasional dark grey
																		siltstone beds
		393.9	394.9													SH		Massive black shale
90	396.7																	
		394.9	397.2													SS		Med grey medium sandstone
																		with coal spar thru out +
																		rare ripup clasts (shale)
		397.2	398.7													SH		Massive black shale
																		grades into unit below...

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

Line Creek Resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P3-96
AREA			END			

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING:	(m)	LOGGING		PRE-CORE INFORMATION			EXAMINATION	
	EASTING:	(m)	LOGS RUN		CASING LENGTH		(m)	LOG USED	
ELEVATION		HOLE BEARING (AZ°)	LOGGED BY		OVERBURDEN DEPTH		(m)	NO. OF SEAMS SAMPLED	
TOTAL DEPTH		HOLE ANGLE (°)*	OTHER TESTS		OVERBURDEN TYPE			EXAMINER (S)	
					WATER LEVEL		(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		398.7	404.5													7S		dark grey siltstone
91	399.1																	massive
92	402.2						B	402.2	16°									
		404.5	407.1															
																		massive black shale
		407.1	408													7S		dark grey siltstone with
																		fine siltstone laminae
		408	410.6													SH		Black shale with low bed.
93	408.5																	mod grey siltstone.
		410.6	416.7				B	410.6	47°									
94	413															3S		grey-black siltstone with thin
																		mod grey fine sandstone cont.

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	

[illegible] RESOURCES LTD.

AREA [illegible]

DATE BEGIN [illegible] END [illegible]

HOLE NO. MM-P3-96

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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		4267	4258				B	4265	47°		4					25	55	dark grey siltstone + mod grey fine sandstone interbeds, cross laminated, bioturb
95	417.4																	
96	421.9																	
		4258	4293													55		mod grey medium sandstone with calcite spar
97	426.3																	
		4293	4304													55	25	interbedded mod grey medium sandstone + dark grey siltstone
98	430.4																	
		4304	4316													55	25	interbedded cross laminated m grey fine sandstone + dark grey siltstone & minor silt
			TD															

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P3

EXPLGEO/FORM/COREDESC.FOR
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fine creek resources ltd.

PROJECT	MM PLYMOUTH	DATE	BEGIN		HOLE NO.	MM-PL-96	PAGE	1
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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
1	3.0	3.0	5.6					J	3.6	83°	R3	6*					SS	ZS	med grey very fine sandstone and siltstone ripple cross
								B	4.8	67°									laminated. Heat affected - pink
2	6.9																		coloration
																			* SHATTERED THROUGHOUT
		5.6	7.6														ZS	SS	dark grey siltstone with fine
								B	8.2	70°	R3	6							bands med grey fine sandstone
								J	9.1	29°									thru out. Pink-red heat
																			affected
		7.6	15.7														SS		Med grey fine - medium grained
3	11.2							B	13.9	58°	R3	6*							sandstone heat affected -
4	15.5							B	16.6	54°	R3	6*							pink - red coloration
																			parallel bedded broken
																			* SHATTERED.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PL

EXPLOGO/FORM/COREDESC.FOR
revised 920717 (jh)

PROJECT	
AREA	

DATE	
BEGIN	
END	

HOLE NO. MM-P4-96

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		15.5	17.9													SS		white to pinkish grey fine -
																		very fine sandstone, heat
																		affected. Weakly bedded.
																		fines upward with 20 cm
																		very fine sandstone at base.
		17.9	26.7													ZS	SS	salmon pink interbedded shale
5	19.1						B	19.9	57°	R3	SHATTERED							+ siltstone. broken to rubble.
6	22.9						B	25.2	59°	R3-R4	SHATTERED							Siltstone weakly ripple cross
																		laminated in part.
																		* Boxes 5+6 SHATTERED THROUGHOUT
7	26.7	26.7	27.5				B	28.2	56°	R3	SHATTERED					CO		Clinker - burnt coal
																		black to red brown, rubble

MEASURED FROM THE HORIZONTAL PLANE

▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-P4-96	PAGE	3
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH (m)	
OVERBURDEN DEPTH (m)	
OVERBURDEN TYPE	
WATER LEVEL (m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		27.5	28.4														ZS		pink-grey to white-grey siltstone - heat affect
																			10cm clayey shale at 27.7m
		28.4	30.7														SH		black shale, heat affect.
																			at top. Rare thin siltstone
																			beds below
6		30.7	33.2														CO		oxidised coal way below
		33.2	35.1														SH		black shale with coal spar
9	33.8																		& coaly bedding planes
																			10cm coal at 33m
																			15cm coal at 34.4m
																			4 cm coal at 34.8m

MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. \

(PLGEO/FORM/COREDESC.FOR
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Line creek resources Ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-P4-96	PAGE	4
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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		35·1	43·1														SH	25	Black shale with thin beds of
10	35·1																		mod grey siltstone thruout
11	42·3																		10cm coal at 36.4m.
		43·1	44·8														SH	CO	Black shale with coal str
																			+ coal beds - thruout
																			4cm @ 43·8m · coal
																			30cm coal at 44.1m
																			base grades into coal
		46·8	46·2														CO		Coal - dull + bright
																			broken
		46·2	46·4														SH		Black Shale with coal str
12	46·3																		

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )°				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		46.4	47.1														CO		very broken coal - dull + bright stony at base
		47.1	47.5														SH		black shale with coaly bedding planes.
		47.5	48.1														CO		broken - dull + bright stony at base
		48.1	49.1														SH	(CO)	black shale with coal spar + coal beds - silty at base 10 cm coal @ 48.3 m
		49.1	50.2					B	49.5	71°		6					ZS	SS	med gray siltstone & fine sandstone fiber bedding & some burrowing grades down to black shale.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	

EXPLGEO/FORMS/COREDESC.FOR
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Line Creek Resources Ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-PH-96	PAGE	6
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ°)			
TOTAL DEPTH		HOLE ANGLE (°)*			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	WATER LEVEL	(m)
OVERBURDEN DEPTH	(m)		
OVERBURDEN TYPE			

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		50.2	50.5														CO		Dull + bright coal, broken
		50.5	57.3					J	47.0	48°							SH		Black Shale with coaly
13	50.6							B	53.7	56°	R2-R3	6							bedding planes, rare coal
																			spar & thin coal bands
																			thru out. rare siltstone lamine
																			coal- 10cm at 51m
14	54.3							B	54.9	50°	R2-R3	6							5cm at 53m
																			5cm at 54.8m
																			15cm at 55.2 m
																			10cm at 55.5m
		57.3	57.9														CO		Dull coal, stay at bas

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-PL-96	PAGE	7
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ')	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	LOG USED	
OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
OVERBURDEN TYPE		EXAMINER (S)	
WATER LEVEL	(m)	DATE	

EXAMINATION

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		57.9	59.6														SH	CO	Black shale with coal spar + coal beds thruout rare siltstone laminae grades up into coal above
15	58.5																		
		59.6	61.6														SS	SI	med. gray fine to very fine sandstone + siltstone - floor bedded. 50cm massive siltstone @ 60.5m
16	62.6	61.6	62.9														SH		Black shale with coal beds 5cm @ 62.4m

MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

PLGEO/FORMS/COREDESC.FOR
Last 920717 (JS)

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-PL-96	PAGE	8
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ')	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	
OVERBURDEN DEPTH	(m)	
OVERBURDEN TYPE		
WATER LEVEL	(m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		62.9	63.9														ZS	SS	dark gray siltstone with occasional medium fine sandstone laminae thru out
		63.9	64.7														SH	CO	interbedded black shale + dull + bright coal - coal in 15cm bands
		64.7	65.5					B	61m	71°		4					SS	ZS	medium fine sandstone weakly fissile bedded with dark grey siltstone pyrite on fracture planes
		65.5	65.7								CAVE IN								

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	MM-Project	DATE	BEGIN		HOLE NO.	MM-PL-96	PAGE	9
AREA			END				OF	48

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE DEPTH	JOINT ANGLE ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		65.7	66.4														75	SH	dark grey siltstone with shale laminae
		66.4	67.2														CO		Dull, very sheared + broken
14	67.4	67.2	68.6														SH		Massive black shale
15		68.6	70.4														75	SS	mod grey siltstone grading down to very fine sandstone - massive, intensely fractured zone at 69 - 69.4 m - calcite filled

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	mm-P4-96	PAGE	10
AREA			END				OF	48

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ°)			
TOTAL DEPTH		HOLE ANGLE (°)*			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	WATER LEVEL	(m)
OVERBURDEN DEPTH	(m)		
OVERBURDEN TYPE			

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY (m) %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
18	70.9	70.4	72.6														SH		Massive black shale
		72.6	74.6														SS	ZS	mod-light grey fine sandstone with siltstone lamina throughout Siltstone content increases toward base & top of unit
																			10cm conduit bedding at 73.5m
		74.6	75.1														CO		Dull + bright coal w/ broken
		75.1	75.6														SH		Black Carbonaceous Shale - massive
19	75.4																		

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	MH Michel	DATE	BEGIN		HOLE NO.	MM-PL-96	PAGE	11
AREA			END				OF	48

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		75.6	86.8													SH		dark grey shale with
20	79.9						B	81.6	56°	R3	5							fair siltstone laminae
21	84.2						B	84.3	35°	R3	5							interbedded with black
																		shale with coaly bands
																		coal - 5cm at 78.2m
																		15cm at 80.65m
																		10cm at 82.1m
																		10cm at 86.25
		86.8	89.7															
																CO		Dull+(bright) coal, shaly
																		at top. broken to sheared
22	89.7	86.7	91.8				B	92.8	55	R3	4					CO	SH	Interbedded Dull+bright coal
																		+black carbonaceous shale

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	UH Mitchell	DATE	BEGIN		HOLE NO.	MM-DH-96	PAGE	12
AREA			END				OF	18

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		LOGS RUN		CASING LENGTH (m)	LOG USED	
	EASTING: (m)		LOGGED BY		OVERBURDEN DEPTH (m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)	OTHER TESTS		OVERBURDEN TYPE	EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*			WATER LEVEL (m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		91.8	91.9														SS		med grey fine sandstone
																			with shaly wisps throughout
		91.9	93.4														SLT	SS	dark grey shale with
																			thin bands med grey fine
																			sandstone throughout
		93.4	91.4														SS	75	med grey very fine sandstone
23	93.7																		and dark grey siltstone
																			massive siltstone ~ mm,
																			then cross to wavy laminated
																			some convolute bedding at
																			time

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PH-96	PAGE	13
AREA			END				OF	14

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ')	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLEA DEPTH	JOINT ANGLEA ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		96.4	96.4														SS		med grey fine sandstone
																			weakly parallel bedded
																			occasional calcite filled
																			fracture
24	98.2	96.4	91.3					B	99m	59°		3					SS	2S	med-light grey fine sandstone
		99.1	102.6																flaser laminated with dark
																			grey siltstone
																			occasional calcite filled
																			fracture thru out
		91.3	92.3																
		98.6	99.3																med grey fine sandstone
																			weakly parallel bedded
																			with coal spar thru out

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	LCH Michael	DATE	BEGIN		HOLE NO.	MM-PL-96	PAGE	14
AREA			END				OF	4X

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		~~92.3~~	~~92.6~~													CO		Dull coal stony at
		100.3	100.6															top + base.
																SS	SS	dark grey siltstone
																		with fine sandstone
																		lamina thru out with
																		coal spar & coarly bedding
																		plane.
25	101.5	101.5	101.1															
																SS		light grey fine sandstone with
																		shaly wisps thruout + coal
																		spar at top.

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PL-96	PAGE	15
AREA			END				OF	

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		105.0	121.2					B	112m	76°	R3	3					SH		D. grey shale with beds
26	106.8							B	108.4	161°	R3	5							cross laminated siltstone
27	111.3							B	114.0	64°	R3	6							to fine sandstone throughout
28	115.6							J	118.8	45°	R3	4							rare shale beds with
29	121.3																		coal spar. Occasional
																			calcite filled fractures
																			load casts at base of
																			some sandstone beds
		121.2	121.6																
30	121.2							B	126.0	48°	R3	6					SH		Black Shale with Coal Spar,
																			Coaly bedding planes + coaly
																			wisps throughout.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	MH Mitchell	DATE	BEGIN		HOLE NO.	MM-P4-96	PAGE	16
AREA			END				OF	

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )°		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		124.6	125.5					F	122.9	/ 30°							SS	ZS	med-light grey fine sandstone flaser laminated with dark grey siltstone. Siltstone sediment inclusions toward top + base of unit
		125.5	126.2														ZS	SS	dark grey siltstone to fine sandstone with rare coal spar. 5cm coal at 125.8m
		126.2	127.8														SS	ZS	light-med grey fine sandstone with dark grey siltstone. Wavy to sinuous bedding some bioturbation

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P4-96	PAGE	17
AREA			END				OF	

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		127.6	128.2														SH	75	Black Shale with rare siltstone laminae suspension down to siltstone
31	127.8																		
		128.2	129.5														SS	25	light grey fine sandstone flaser bedded with dark grey siltstone occasional calcite filled fractures.
		129.5	132.3														SH	25	FINING up UNIT - mod grey siltstone to dark grey shale
		132.3	133.8					B	133	72°		4					SS		Mod grey fine sandstone flaser bedded at top; weak
32	132.5																		bedded

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	

line creek resources ltd.

PROJECT	[illegible]	DATE	BEGIN		HOLE NO.	MM-P4-96
AREA			END			

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR	LITHO AMPLIFIED
		133.8	134.1													SH		Massive black shale.
		134.1	134.8													SS	ZS	mod grey fine sandstone with dark grey siltstone flaser bedded
		134.8	138.8													SH	ZS	Dark grey shale with thin siltstone lamina thru out.
33	136.9																	
		138.8	158.2				J	145.5	70°							SS	ZS	Mod gray fine sandstone flaser to convolute bedded, with beds dark grey siltstone. occasional calcite filled fractures thru out
34	141.2																	
35	145.7																	
36	150.1																	
37	154.5																	

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

1.7

line creek resources ltd.

PROJECT	MH Michael	DATE	BEGIN		HOLE NO.	MM-P4-96	PAGE	19
AREA			END				OF	42

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	LOG USED	
OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
OVERBURDEN TYPE		EXAMINER (S)	
WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		158·2	159·5														SH		Massive black shale
38	159·1																		
		159·5	160														CO		Bright + Dull Sheared
		160	163·1														SH		Black shale with coal
																			spar + coaly bed planes
																			20cm shaly coal at 161·2
		163·1	163·8														CO		Dull (bright) coal - broken
38	163·5																		
		163·8	164·3														SH	CO	Black Shale with coaly
																			wisps + 10cm coal at
																			164·1m

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P4-96	PAGE	20
AREA			END				OF	118

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)						
	EASTING: (m)						
ELEVATION		HOLE BEARING (AZ')					
TOTAL DEPTH		HOLE ANGLE (°)*					

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)		
OVERBURDEN DEPTH	(m)		
OVERBURDEN TYPE			
WATER LEVEL	(m)		

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE DEPTH	JOINT ANGLE ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		164.3	164.8														SS		Mod grey fine - medium sandstone with silty wisps.
		164.8	168.7					J	166.5	24°							SH		dark grey siltstone with mod
																	SS		grey fine sandstone laminae
40	167.3							B	170.0	62°	R2-R3	H							throughout. Grades to shale at base
		168.7	169.9														CO		Dull coal, stony in part bottom
		169.9	171														SH		Massive black shale grading into coal below

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PL-96	PAGE	21
AREA			END				OF	?X

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ')			
TOTAL DEPTH		HOLE ANGLE (°)*			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	
OVERBURDEN DEPTH	(m)	
OVERBURDEN TYPE		
WATER LEVEL	(m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		171	171.7														SH	CO	interbedded Shaly Coal + coal + black shale
		171.7	175.5														SS	SS	med grey siltstone interbed with wavy to flaser laminated siltstone + fine sandstone calcite filled fractures throughout
41	171.9																		
		175.5	178.1														SS	(ZS)	light grey fine sandstone weakly bedded, rare fine carbonaceous calcite filled fractures throughout.
42	176.6																		

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)
1

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-PL-96	PAGE	22
AREA			END				OF	28

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH (m)	
OVERBURDEN DEPTH (m)	
OVERBURDEN TYPE	
WATER LEVEL (m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY (m) %	GEOPHYS. DEPTH FROM	GEOPHYS. DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		178.1	184.1					J	181.1	144°	R2-R3	5					ZS	SH	Grey-black interlaminated
43	181.0m							B	181.0	90°									shale + siltstone with fine sandstone beds.
																			carbonaceous bedding planes
																			Below 181m core spar
																			+wisps = predominantly shale
																			(obl 183m.
		184.1	190.1					B	188.5	61°	R3	5					SS	ZS	Interbedded coarse laminated
44	185.6							J	189.4	28°									light grey fine sandstone &
																			variably bedded siltstone
																			calcite filled fractures thru out

*MEASURED FROM THE HORIZONTAL PLANE

▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

LCL line creek resources ltd.

CORE DESCRIPTION

PROJECT	MM Michael	DATE	BEGIN		HOLE NO.	mm-P4-96	PAGE 23 OF
AREA			END				

HOLE PARTICULARS / LOGGING / PRE-CORE INFORMATION / EXAMINATION

LOCATION	NORTHING: (m)	LOGS RUN		CASING LENGTH (m)	LOG USED
	EASTING: (m)	LOGGED BY		OVERBURDEN DEPTH (m)	NO. OF SEAMS SAMPLED
ELEVATION	HOLE BEARING (AZ°)	OTHER		OVERBURDEN TYPE	EXAMINER (S)
TOTAL DEPTH	HOLE ANGLE (°)*	TESTS		WATER LEVEL (m)	DATE

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
45	190.1	190.1	193.3													SH		Black Shale with coaly
																		bedding planes
		193.3	199.2				B	197.3	47°							2S	SS	dark grey siltstone wavy to
46	194.5						B	196.2	58°	R3	4							convoluted bedding with med
47	198.9						B	199.7	58	R3	6							grey fine sandstone
																		Rare shaly bands
																		20cm zone brown grey siltstone
																		at 194.8 - intense calcite
																		filled fractures.
		199.2	202				J	200.5	30°							SS	2S	light grey siltstone with darker
							B	200.6	77°									wisps siltstone thru out. Some
																		predominantly silty zones

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

LGS line creek resources ltd.

PROJECT: Mt Michael
AREA:
DATE BEGIN:
DATE END:
HOLE NO. mm-DH-96
PAGE 24 OF 47

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLES TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		202	202.6														SS	2S	Fining up unit - massive mod grey fine sandstone at base, interlaminated sandstone - siltstone + massive siltstone at top.
		2026	209														2S	SS	Interbedded dark grey [illegible] with sandstone bands & mod grey fine sandstone with siltstone lamina + blebs.
48	203.3																		
49	207.6							5	245.9	23°									
								13	245.3	62°									
		209	210.7														SS	2S	Ripple cross laminated dark grey siltstone & mod grey fine sandstone

MEASURED FROM THE HORIZONTAL PLANE. A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT | AREA | DATE BEGIN | END | HOLE NO. MM-PL-96

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR	AMPLIFIED
		210.7	212.6													SS	ZS	interbedded mod grey fine sandstone - parallel to cross lamination & dark grey siltstone
50	212.1																	
		212.6	216.2													SH	ZS	black shale with siltstone beds + coal spar.
		216.2	216.6													CO		dull + bright sheared coal sharp contacts
51	216.6	216.6	217.9													SH		massive black shale with rare silty laminae
		217.9	218.6				B	218.3	62°		4					ZS	SS	dark grey siltstone + mod grey fine sandstone - parallel laminated to convolute bedding.

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	MH Michael	DATE	BEGIN		HOLE NO.	MM-04-96	PAGE	26
AREA			END				OF	

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	LOG USED	
OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
OVERBURDEN TYPE		EXAMINER (S)	
WATER LEVEL	(m)	DATE	

EXAMINATION

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		218.6	220.1														SH		Black shale with coal
																			spar + siltstone lamina
		220.1	221.6																Dull (bright) coal
52	220.8																		stony in part
																			221.0 = 10 cm shale band
		221.6	222.2														SH	CO	Interbedded black shale
																			+ dull-bright coal
		222.2	221.0					J	223.9	75°							SS		med to light grey fine
53	225.3							B	223.8	85°									sandstone - weakly
								D	227.9	56°	R3	5							bedded, occasional calcite
																			filled fracture

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PL-96	PAGE	27
AREA			END				OF	

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING:	(m)	
	EASTING:	(m)	
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m)	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		227.0	231.3														SH	SS	interbedded dark grey
54	229.6																		shale + siltstone
		233	237.1														SS		light grey fine sandstone
																			weakly bedded, calcite
																			filled fractures thru cut
		232.1	234.5														SS	SS	dark grey siltstone with
																			fine sandstone laminae +
																			thin beds thru cut
		234.5	237.8														SS		Med grey sandstone - fine - well
																			bedding, calcite filled fractures
																			thru cut

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	

EXPLGCO/FORM/COREDESC.FOR
revised 920717 (jo)

line creek resources ltd.

PROJECT	NH Mine
AREA	

DATE	BEGIN	
	END	

HOLE NO. MM-PH-96

PAGE 28 OF 48

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ')	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	LOG USED	
OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
OVERBURDEN TYPE		EXAMINER (S)	
WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		259.8	246.5					BB	239.8	144°							ZS		dark-grey siltstone
56	258.4							B	246.3	149°	R3	5							predominantly massive
57	252.7																		rare shale + sandstone
																			laminae. rare calcite / pyrite
																			fractures.
		244.5	235					B	249.	53°	R3	2					SS	ZS	med to dark grey ripple
58	247.2							B	248.9	51°	R3	3							cross laminated fine sandstone
																			& siltstone
		235	225														SS		Interbedded - med grey
59	251.8							B	254.4	36°	R2-R3	5							coarse sandstone with occasional
60	256							B	254.2	46°	R3	5							& cross laminated fine - medium
								B	258.6	61									sandstone

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

XPLGEO/FORM/COREDESC.FOR
vLast 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE BEGIN		HOLE NO.	MM-94-96
AREA		END			

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*	70	TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR	AMPLIFIED
61	260	257.5	262.6				J	259.3	20°							SS		mod gray fine-medium
							J											sandstone parallel to
							J	261.4	46°									cross laminated.
							B	261.3	68°									
		262.6	263.5													SS		med-[illegible] [illegible]
																		[illegible] with coal [illegible]
																		throughout
		263.5	265.7													SS	ZS	dark gray very fine sandstone
62	264.2																	to [illegible], weakly bedded
																		with numerous calcite [illegible]
																		fractures

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-PU-96	PAGE 30
AREA			END				OF 48

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		267	269														SS		mod grey fine - medium
63	268.7																		sandstone - fines upwards
																			rare cross laminated with
																			rare coal stgr + rip up
																			clasts at base (scour)
																			rare calcite filled fractures
																			some minor pebbly partings +
																			beds,
		269.1	269.4																Dark grey siltstone
		269.4	270.8																
64	272.6																SS		Fining up unit - mod grey medium
																			sandstone thin to granules
																			at base coal stgr thin ac

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.	MM-PL-95	PAGE 31
AREA			END				OF 48

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	LOG USED	
OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
OVERBURDEN TYPE		EXAMINER (S)	
WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		270·8	280·5					B	275·5	53°		3					SS		Mod grey medium-coarse
65	276·7							B	277·8	48°									sandstone, weakly parallel
								J	277·9	21°									bedded. Becoming coal
																			seam @ 276m
		280·5	281·8																
66	281·3																SS		mod-dark grey fine-medium
																			grained sandstone, weakly
																			bedded. Rare coal seam &
																			many bedding planes.
		281·8	286·2																
67	285·4																75	SS	dark grey siltstone with occas
																			very fine sandstone lamins.
																			rare calcite filled fractures & some
																			burrowing in base

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

EXPLO\FORM\COREDESC.POR
revised 920717 (jb)

line creek resources ltd.	PROJECT: Mt Michael	DATE BEGIN:	HOLE NO. MM-P4-96
	AREA:	END:	PAGE 32 OF 48

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING:	(m)		
	EASTING:	(m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)
OVERBURDEN DEPTH	(m)
OVERBURDEN TYPE	
WATER LEVEL	(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		286.0	287.0								[illegible]					CO		Bright (dull) coal
																		sheared to very broken
																		Poor Recovery
		287.2	290.9															
58	289.3						B	290.8	43°	R2-R3	4					SH	CO	Dark grey shale with
																		occasional siltstone laminae
																		30cm dull to stony coal
																		at 290.2m
		290.9	296.8				B	290.7	46°									
59	293.5															CO		Dull + bright coal
																		broken to sheared
		296.8	298.2															
																SH		Black shale with coaly
																		bedding planes + rare coal
																		spar broken

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	

line creek operations ltd.

PROJECT	MH Mine01	DATE	BEGIN		HOLE NO.	mm-P4-96	PAGE	33
AREA			END				OF	42

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ')	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		298.2	299.0														CO	SH	interbedded black shale and skull coal - broken to sheared.
		299.0	301.4														SH		Black shale with coal bands and interbedded 1-3cm coal bands - dull + bright
70	297.3																		
		301.4	304.6														CO		Dull + bright, broken to sheared. stay at top & base
71	301.6																		

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	

line creek resources ltd.

CORE DESCRIPTION

PROJECT: Mt Michael
AREA:
DATE: BEGIN / END
HOLE NO. MM-P4-96

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH (m)	
OVERBURDEN DEPTH (m)	
OVERBURDEN TYPE	
WATER LEVEL (m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR	LITHO AMPLIFIED
		306.6	309.4				B	307m	71°	R3	5					ZS	SH	mod grey siltstone with
72	305.7																SS	very fine sandstone, shale
																		beds/lamina thru out.
																		ripple cross laminated to
							B	308.0	50°	R3	5							bioturbated
		309.4	309.7													ZS	clay.	Salmon pink massive siltstone
																		& grey-brown clay !! driller
																		– heat affected track?
		309.7	311.8													SH	ZS	dark grey shale with
73	310.2						B	311.3	73°	R3	4						SS	mod grey siltstone + fine
																		sandstone beds (laminated?)
																		thru out. 20cm with micro

fractures thru out at 310.8m

* MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

\PLGEO\FORM\COREDESC.FOR
Revised 920717 (jb)

line creek services ltd.

PROJECT	FRA MICHEL	DATE	BEGIN		HOLE NO.	MM-PL-95	PAGE 35
AREA			END				OF 47

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY	C.	OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)	70			WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLES TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC FREQ #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		311.8	313.0					B	313.2	153°	R3	5					SH		Black shale with mic
74	314.6							J	314.7	13°	R3	7							silty bands broken
75	319.3							C	322.3	54°									
		330	338.3														SS		Dark grey siltstone with mod
76	328.8							B	327.8	47°	R2-R3	7							grey fine sandstone bands
																			(often laminated) thin out
																			mic shaly bands. Some
																			coaly bedding planes
								C	329.1	49°									
77	328.3	328.3	331.2					B	329.9	54°	R3	5					SS		Mod grey fine to very fine
																			sandstone mostly thin
																			bedded, mic flecks locally
																			with coaly seams

MEASURED FROM THE HORIZONTAL PLANE. A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P4-96
AREA			END			

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR*	LITHO AMPLIFIED
		331.2	337.7				B	337.0	55°							SH	ZS	Mod grey siltstone fining
78	332.6																	down to black shale with
79	336.9																	silty bands & massive
																		shale at base. Some
																		coaly bedding planes.
		337.7	338.3													CO	SH	Interbedded coal - dull +
																		bright - broken to sheared
																		& black shale
		338.3	348.0				J	339.1	22°							SH	CO	Black Shale with coaly
81	345.7																	bands + rare silty laminae
																		Coal - 12 cm at 339.0m
																		6cm at 339.9m

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

XPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

CORE DESCRIPTION

PROJECT	Mt Michael	DATE BEGIN		HOLE NO.	MM-PU-96	PAGE 37 OF [illegible]
AREA		END				

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
																		cont. coal - 3cm. at 340.9m
																		5cm at 341.5m
																		13cm at 342.0m
																		3cm at 342.8m
																		25cm at 346.8m
		348	350.6													75	25	Dark gray siltstone with
82	349.9						B	352.6	48°	R3	4							beds med gray fine sandstone
																		-cross laminated
																		Base is brecciated (20cm)
																		with lots calcite
83	354.1	350.6	365.0				B	357.8	62°	R3	4					SH		Black shale, silty in [illegible]
84	358.5						B	360.0	71°	R3	4							with [illegible] ~~[illegible]~~
85	363.0																	~~bedding [illegible]~~

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

fine creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-Pu-96	PAGE	38
AREA			END				OF	48

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ')			
TOTAL DEPTH		HOLE ANGLE ( )°			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
85		365m	366·1					B	364.5	161°	R3	3					ZS	SS	dark grey siltstone with mod grey fine to very fine sandstone beds + laminae
								B	366.7	45°	R3	3							
		366·1	367·6					B	367m	61°	R3	3					SS		mod grey fine sandstone parallel bedded
86	367·4																		
		367·6	370·9														SS	SH	mod grey fine sandstone parallel bedded with shale on bedding planes
6								B	371.0	60°	R3	6							
		370·9	373·2					B	373.1	56°	R3	4					SS		mod grey fine to medium sandstone with coal spar thru out.
87	371·7							B	374.0	55°	"	"							

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	

EXPLGEO/FORM/COREDESC.FOR
evised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P4-96	PAGE 29
AREA			END				OF 48

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	LOG USED	
OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
OVERBURDEN TYPE		EXAMINER (S)	
WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		3732	3758														SS		med grey medium sandstone
88	3745m																		with shaly rip up clasts
																			+ occasional coal spar
																			thru out
																			parallel bedding, some
																			shaly bedding planes
		3758	3768														2S	SS	Dark grey siltstone with
																			med grey fine sandstone
																			laminae (up to 1cm) thru out
		3768	3815														SS		med grey fine to medium
89	3801																		sandstone with coal
																			thru out & carbonaceous bedding
																			planes.

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	mm-94-96	PAGE	40
AREA			END				OF	1:8

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ°)			
TOTAL DEPTH		HOLE ANGLE ( )*			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH		(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		381.5	385.6					B	382.4	↓ 72°	R3	4					ZS	SS	dark grey siltstone with
90	384.5							J	382.4	↓ 09°									beds/laminae of med grey
																			fine sandstone thru out
																			rare shaly beds.
		385.6	386.5														SH	ZS	Black shale with med
																			grey siltstone laminae thru out
		386.5	391.9					B	394m	60°	R3	5					ZS	SS	Dark grey siltstone with rare
91	388.8																		sandstone laminae interbedded
92	393.1							B	391.4	57°	R3	4							with cross-laminated med
																			grain sandstone & dark
								B	395.8	58°	R3	5							grey siltstone

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	

EXPLGEO/FORM/COREDESC.FOR
revised 920717 ( )

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	mm-Pu-96	PAGE	41
AREA			END				OF	46

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )°		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		3969	3976														SS		Mod-light grey, medium
																			sandstone, parallel
																			bedded with coaly bedding
																			planes; coal specimens cut
																			shaly rip up clasts common
																			in bed 70cm
		3976	4039																
A3	397.7																2S	SS	Dark grey siltstone with mod
94	402.1																		grey fine sandstone cross
																			laminated beds + laminae
																			thin out 5cm shorted coal
																			at 399.7m. Fractured zone
																			-calcite filled at 399.6-399.7m
																			rare shaly beds.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	

EXPLOGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	MH Michael	DATE	BEGIN		HOLE NO.	MM-P4-96	PAGE	42
AREA			END				OF	68

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	
OVERBURDEN DEPTH	(m)	
OVERBURDEN TYPE		
WATER LEVEL	(m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		408.9	412.1														SH	2S	Black shale with mod
95	406.5																		grey siltstone laminae
																			thrly out. Rare coal spar
																			+ carbonaceous bedding planes
		412.1	413.3														SH	CO	Interbedded black shale &
96	410.9																		coal - dull (+ bright) to stay
																			broken
		413.3	415.7					B	41.45	59°		5					3S	SS	dark grey siltstone with
97	415.1																	SH	beds of med grey fine
																			sandstone & dark grey shale
																			rare coal spar & carbonaceous
																			bedding planes

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (b)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	mm-PH-96	PAGE	43
AREA			END				OF	57

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	
OVERBURDEN DEPTH	(m)	
OVERBURDEN TYPE		
WATER LEVEL	(m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		4157	4184														SS	3S	Med grey fine to vry fine sandstone with dark grey siltstone & rare thin beds weakly bedded Rare mod spar
		4184	4209														SH	2S	Black Shale with dark grey siltstone laminae thin out some coaly beds, rare planes & rare coal spar
98	419.5							B	422.7	18°	R3	4							
		4209	4246					B	425.7	61°							2S	8S	Dark grey siltstone with med grey fine sandstone laminae thin out - vary to cms laminated
99	426.2							S	425.9	37°									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

XPLGEO/FORM/COREDESC.FOR
revised 930717 (jh)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PH-96	PAGE	44
AREA			END				OF	72

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE DEPTH	JOINT ANGLE ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		428.6	428.5					B	428m	179°		5					SH	25	dark grey shale w/ thin siltstone la
100	428.5							J	429.7m	19°									& carbonaceous bedding
																			planes and 10cm mod
																			grey fine sandstone at 428.7m
																			& 426.9m. Rare coal seam
																			10cm shaly coal at 428.6m
		428.5	432.5														SS	25	med grey fine sandstone,
																			weakly cross laminated with
																			dark grey siltstone beds &
																			some laminae. Occasional
																			calcite filled fracture.

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PL-96	PAGE	45
AREA			END				OF	118

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	LOG USED	
OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
OVERBURDEN TYPE		EXAMINER (S)	
WATER LEVEL	(m)	DATE	

EXAMINATION

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE DEPTH	JOINT ANGLE ANGLE▲	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		428.5	431.7														SH	35	Black Shale with
101	433.2																		dark grey siltstone laminae
																			thru out. Rare calcite
																			filled fractures.
		431.7	437.4														SH		Massive black shale
																			with occasional carbonaceous
																			bedding planes
102	437.4	437.4	439.2														SH	(cm)	Black Shale with rare coal
																			spar & shaly coal beds
																			broken, heavy core loss

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PL-96	PAGE	46
AREA			END				OF	47

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ')	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	LOG USED	
OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
OVERBURDEN TYPE		EXAMINER (S)	
WATER LEVEL	(m)	DATE	

EXAMINATION

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		438·2	440·9														ZS		Dark grey siltstone with occasional coal spar & 5cm sheared coal at 438·6m + 5cm coal at 440·7m
		440·9	442·6														SH	CO	Interbedded black shale with coal spar & coal - dull to shiny.
103	442·0																		
		442·6	443·1														SH		Black shale with occasional siltstone laminae + coal spar. 4cm sheared coal at 443·5m
104	446·5																		

*MEASURED FROM THE HORIZONTAL PLANE. ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P4-96	PAGE	47
AREA			END				OF	68

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ')	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	C.
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)
OVERBURDEN DEPTH	(m)
OVERBURDEN TYPE	
WATER LEVEL	(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		1467.1	1467.8							1							SS	2S	Mod grey fine sandstone ripple cross laminated with dark grey siltstone. -rare flaser bedding.
		1467.8	1553.6					B	448.7	72°									
105	1457.1							J	448.7	39°	R3	5					SH	2S	dark grey shale with numerous siltstone laminae + rare fine sandstone laminae + beds.
		1536	1597					B	459.2	60°		4					2S	SS	dark grey siltstone with
106	1457.4																	(SH)	mod grey sandstone + dark
107	1459.6							J	4623	47°	R3	4							grey shale bands thru out
								B	4613	71°									rare calcite filled fracture.

*MEASURED FROM THE HORIZONTAL PLANE

▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

EXPLORO/FORM/COREDESC.POR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE BEGIN		HOLE NO.	MM-PU-95
AREA		END			

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION			EXAMINATION	
LOCATION	NORTHING:		(m)	LOGS RUN		CASING LENGTH		(m)	LOG USED	
	EASTING:		(m)	LOGGED BY		OVERBURDEN DEPTH		(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE			EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL		(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR	AMPLIFIED
		459.7	489.3													SS		light gray medium sandstone
108	463.8		TD															weakly parallel bedded
109	468.3																	rare coal spar
110	472.8						B	476.0	59°									4cm coal at 461.6m.
112	477.1						J	476.0	31°									occasional silty bed
112	481.7																	At 473.1 – 30cm of silty
113	486.2																	ripup clasts + silty band
																		above.
																		Rare calcite filled fracture.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)
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line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	1
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
1	3.6m	3.5	5.2	100		3.5	6.3										SST	SLT	Light grey, fine grained sandstone interbedded with a little black siltstone
								B	5.9	67									
		5.2	8.2	88															
2	8							J	11.3	12									
						6.3	8	B	12.2	60							SST		Fine grained sandstone, tan/buff colour, shattered very badly
3	12.4	8.2	11.3	98				J	15.1	31									
		11.3	14.3	99		8	17.5										SST		Fine grained, light grey sandstone interbedded with dark grey/black siltstone.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

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PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	2
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
4	16.6	14.3	17.4	97	17.5	20	J	21.6	42							SST	Co	A coarse, light grey sandstone interbedded with small layers of coal (0.5cm)
		17.4	20.4	67														
5	22.3						J	22.5	50									
					20	20.7										SH	Co	Black shale with some evidence of coal.
		20.4	23.5	81			B	23.6	51									
		23.5	26.5	99	20.7	25.3										SST	SLT	Light grey sandstone interbedded with black siltstone. As you approach the base of the section, the sandstone becomes coarser.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

EXPLGEO/FORMS/COREDESC.FOR
revised 920707 (jb)

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PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	4
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLES TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
9	39.9	35.7	38.7	51		32.6	35										SH	G	Black shale interbedded with small bands of coal.
		38.7	41.8	100															
10	44.3	41.8	44.8	100		35	37.2										G		Missing coal
								J	44.4	12									
		44.8	47.9	99		37.2	40.1										SH	SST/Co	Black shale interbedded with a mixture of fine grained, light gray sandstone and bands + small seams of coal.
								J	44.8	27									
								B	48.3	66									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	5
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)						
	EASTING: (m)						
ELEVATION		HOLE BEARING (AZ°)					
TOTAL DEPTH		HOLE ANGLE ( )°					

LOGGING

LOGS RUN			
LOGGED BY			
OTHER TESTS			

PRE-CORE INFORMATION

CASING LENGTH	(m)		
OVERBURDEN DEPTH	(m)		
OVERBURDEN TYPE			
WATER LEVEL	(m)		

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	HARDNESS	FRAC.FREQ. # / m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
11	48.6	47.9	50.9	100		46.1	48.3			//							SST	SH	Light grey sandstone varying from med. to coarse grained, interbedded with dark grey shale.
										//									
								J	50	28									
						48.3	49.3										SH	Co	Med grey shale, interbedded with small bands of coal.
								SS	52	65									
		50.9	53.9	93				B	50.8	67									
12	52.9	53.9	57	98				F	57.3	19									
								J	59.7	14									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	PS

EXPLGEO/FORM/COREDESC.FOR
revised 920917 (jb)

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PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	6
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	TO	TYPE	JOINT ANGLE▲ DEPTH	ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. # / m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
13	57.2	57	60	? 108			J	60.7	122									
14	61.5				49.3	61.5										SST	SLT	Med grey, fine grained sandstone interbedded with dark grey siltstone
		60	63.1	78														
					61.5	62.2										Co		Missing coal
		63.1	66.1	66														
					62.2	64.6										SH	Co	Dark grey shale interbedded with thin small seams of coal. (10cm)

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

EXPLCEOAFORM\COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96	PAGE	7
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
						64.6	65.4										Co		Missing coal
								B	69.1	#58									
15	66.1	66.1	69.2		90														
								J	69	35									
						65.4	70.5										SH	Co	Med grey shale interbedded with stringers of coal.
16	70.5	69.2	72.2		99														
						70.5	74.1	SS	72.1	51							SST	SLT	Med grey, fine grained sandstone interbedded with dark grey siltstone.
								J	72.8	26									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

EXPLOGO/FORM/COREDESC.FOR
revised 920117 ( )

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PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	8
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
17	?Missing	72.2	75.3	64	74.1	75.3										Co		Missing coal.
		75.3	78.3	100	75.3	78.5	J	77.6	30							SST		Light grey, med grained sandstone.
18	78.9																	
		78.3	81.4	98			B	77.3	59									
					78.5	80										SH	Co	Dark grey shale interbedded with stringers of coal.
19	83.3	81.4	84.4	98														
					80	84.1										SST	SLT/Co	Med grey, fine grained sandstone interbedded with dark grey siltstone and some coal near the base.
		84.4	87.5	86														

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96	PAGE	9
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES▲ DEPTH	JOINT ANGLES▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
20	87.5	87.5	90.5	100															
						84.1	84.9	B	89.7	62							SH	Co	Very dark shale interbedded with some coal.
						84.9	85.4										Co		Missing coal
						85.4	90.2										SST	Co	Med to coarse grained, light grey sandstone interbedded with small bands of coal.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-95-96	PAGE	10
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CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)		LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER	OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS	WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE A TYPE	JOINT ANGLE A DEPTH	JOINT ANGLE A ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
					90.2	91.3										SH	SST	... light grey / black shale interbedded with some coarse grained sandstone
21	91.6	90.5	93.6	100														
					91.3	92.9										SST	C	Light grey, med grained sandstone interbedded with small lenses of coal (0.5cm)
		93.6	96.6	100			J	95.2	26									
					92.9	93.8	B	93.8	62							C		Coal, not very shiny, and it is very shattered

*MEASURED FROM THE HORIZONTAL PLANE A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. | 95

EXPLGEO/FORM/COREDESC.FOR
revised 920917 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	11
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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
22	95.9	96.6	99.7	100		93.8	99.7										SH	SST	Dark grey/black shale interbedded with fine grained light grey sandstone
23	?Missing	99.7	102.7	3		99.7	100.1	J	102.8	26							SH	Co	Dark grey/black shale interbedded with small bands of coal.
								B	102.2	61									
						100.1	102.2										Co		Missing coal
24	105.1					102.2	104.5										SST	SH	Med grained, med grey sandstone interbedded with dark grey shale.
		102.7	105.7	100															

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

EXPLOCO/FORMS/COREDESC.FOR
revised 920717 (jb)

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PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-95-96	PAGE	12
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	TO	TYPE	JOINT ANGLE▲ DEPTH	ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. # / m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
					104.5	105.3										Co	SH	One small shiny coal seam interbedded with dark grey shale.
25	109.5	105.8	108.8	100														
					105.3	109.1	J	111.3	21							SH	Co	Dark grey shale interbedded with a few bands of coal (5cm)
		108.8	111.9	100														
26	113.7						J	111.2	34									
		111.9	114.9	100														
					109.1	122	J	111.9	40							SH	SST	Med grey Diffly bedded shale interbedded with a fine sandstone @ 121m the shale is coal like?
		114.9	117.9	100														
27	118																	
		117.9	121	97														
							J	115.5	12									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P5

EXPLOR/FORMS/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	13
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
28	122.2	121	124.1	95		122	126.6	J	122.1	22							SST	SLT	Med grey, fine grained sandstone interbedded with dark siltstone
29	126.8							J	124.4	24									
		124.1	127.1	99															
						126.6	129.3	SS	126.4	74							SH	SST	Dark grey / Black shale interbedded with fine grained sandstone
		127.1	130.1	92				B	127.3	64									
30	131.2	130.1	133.2	100															
						131.3	139.9										Co		Missing coal.
		133.2	136.2	97															
31	135.5																		

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

EXPLOGO/FORM/COREDESC.FOR
revised 920717 ( )

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	14
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ')			
TOTAL DEPTH		HOLE ANGLE (°)*			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)		
OVERBURDEN DEPTH	(m)		
OVERBURDEN TYPE			
WATER LEVEL	(m)		

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE DEPTH	JOINT ANGLE ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
32	139.9	136.2	139.3	99		139.9	141.1			"							SH	Co	Black shale interbedded with a shiny coal.
		139.3	142.3	38				B	140.8	55									
						141.1	143.8										C		Missing coal
33	144.5	142.3	145.4	57															
						143.8	147.1										SH	Co	Black shale interbedded with coal.
		145.4	148.4	55															
						147.1	149.4										C		Missing coal
								J	151.5	26									
34	149.4	148.4	151.5	68		149.4	153.4										SST	SLT	Med grey fine grained sandstone interbedded with dark grey shale.
								B	152.7	61									

*MEASURED FROM THE HORIZONTAL PLANE A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

Fline creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96	PAGE	15
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
35	153.9	151.5	154.5	98		153.4	154.2										SH	C	Black/dark grey shale interbedded with a small seam of coal (10cm) at the base.
		154.6	157.6	97															
						154.2	156.7	SS	161.1	42							SST	SLT	Light grey, med grained sandstone interbedded with dark grey siltstone
		157.6	160.6	92				B	161.9	50									
						156.7	162.1										SH		Black shale
36	158.5																		
		160.6	163.7	62		162.1	163										C		Missing coal.
		163.7	166.7	100															

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P5

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96	PAGE	16
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ°)			
TOTAL DEPTH		HOLE ANGLE (°)*			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)		
OVERBURDEN DEPTH	(m)		
OVERBURDEN TYPE			
WATER LEVEL	(m)		

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
37	162.8					163	171.7										SH	SST	Black shale interbedded with a fine grained, light grey sandstone and some coal near the base.
36	167.3					171.7	172.4										6		Missing coal
39	?Missing					172.4	172.8										SH		Black shale
						172.8	175.4										SST	SH	Med grey/tan, med. grained sandstone interbedded with a dark grey shale.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	17
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
40	175.9	175.9	178.9		91	175.4	176.2	B	178	66							C		Missing coal
						176.2	180	J	178.7	36							SH	SST/C	Dark grey shale interbedded with fine grained sandstone and stringers of coal.
		178.9	181.9		32														
41	Missing																		
						180	181.9										C		Missing coal
42	184.4																		
						181.9	184.4										C		Seam of hard, shiny coal.
		181.9	185		94														

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96	PAGE	18
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLEA DEPTH	JOINT ANGLEA ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		185	188.1	98															
43	188.8							B	188.9	52									
		188.1	191.1	100															
								J	189.6	32									
								J	190.9	24									
		191.1	194.2	100															
		194.2	197.2	100															
		197.2	200.3	100				SS	197.7	56									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	19
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLES TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE▲	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
46	201.7	200.3	203.3	100						//									
						184.4	218.5			//							SH	SST	Black shale interbedded by small amounts of sandstone towards the base, the sandstone gets coarser. At around 215 m, just above coarse sandstone, the core is quite shattered.
		203.3	206.3	98															
47	206.2																		
								J	209.7	28									
		206.3	209.4	100															
48	210.6							J	210.8	12									
		209.4	212.4	100				J	213.4	24									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	20
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)						
	EASTING: (m)						
ELEVATION		HOLE BEARING (AZ°)					
TOTAL DEPTH		HOLE ANGLE (°)*					

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)		
OVERBURDEN DEPTH	(m)		
OVERBURDEN TYPE			
WATER LEVEL	(m)		

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
49	214.7	212.4	215.5	98															
		215.5	218.5	98															
50	?Missing	218.5	221.6	0		218.5	224										Co		Missing coal
51	?Missing	221.6	224.6	20		224	225.9										Sh	Co	Dark grey shale interbedded with small bands of coal.
								B	227.6	52									
		224.6	227.7	69		225.9	226.8										Co		Missing coal

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	21
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ°)			
TOTAL DEPTH		HOLE ANGLE ( )°			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)		
OVERBURDEN DEPTH	(m)		
OVERBURDEN TYPE			
WATER LEVEL	(m)		

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m)	MARKER BLOCKS RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
						226.8	227.7										SH	Co	Dark grey shale interbedded with small bands of coal (5cm)
		227.7	230.7	69															
						227.7	227.9										Co		Missing coal
52	227.9																		
						227.9	230.5	B	229.9	58-							SH	Sh/Co	Med grey shale interbedded with a med grained sandstone and small bands of coal.
						230.5	231.4										Co		Missing coal

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	PS

EXPLGEO/FORM/COREDESC.FOR
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line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE 22
AREA			END				OF 54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )°		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
53	232.7				230.5	236.3	J	230.9	132							SST	SLT	Med grained light grey SST interbedded with small amounts of siltstone.
		230.7	233.8	81														
							J	234.7	23									
		233.8	236.8	100			J	236.2	12									
54	237																	
		236.8	239.9	100														
							J	239.6	11									
		239.9	242.9	100	236.3	244.3	J	240.5	62							SH	SST	Dark grey shale interbedded with fine grained sandstone.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	23
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)		
OVERBURDEN DEPTH	— (m)		
OVERBURDEN TYPE			
WATER LEVEL	(m)		

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	—
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
55	241.6	242.9	245.9		94	244.3	245.7	B	245	54							SST	SLT	Med grained light gray sandstone interbedded with siltstone.
56	246	245.9	249		99			SS	248.5	45									
								J	249.8	22									
57	250.1	249	252.1		100			B	254.7	59									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	PS

EXPLGEO/FORM/CORDESC.FOR
revised 920917 (jb)

line creek resources ltd.

PROJECT	MT Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	24
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )°		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLES TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
58	254.7	252.1	255.1	97				B	258.5	63									
								J	258.9	27									
		255.1	258.2	100															
						258.7	264.3												
59	259.1	258.2	261.2	95													SH	SST	Dark to med. grey shale interbedded/ with some fine grained sandstone.
								J	261.4	20									
60		261.2	264.3	100				SS	261.4	30									
		264.3	267.3	100															

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	PS

EXPLOCO/FORM/COREDESC.FOR
revised 920717 (jb)
1

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96	PAGE	25
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)						
	EASTING: (m)						
ELEVATION		HOLE BEARING (AZ°)					
TOTAL DEPTH		HOLE ANGLE ( )°					

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)		
OVERBURDEN DEPTH	— (m)		
OVERBURDEN TYPE			
WATER LEVEL	(m)		

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	—
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
60	263.6	267.3	270.4		91														
61	268																		
						264.3	268.4	B	269.8	69							SST	SH	Med. grained light grey sandstone interbedded with dark grey shale.
		270.4	273.4		84														
62	273	273.4	276.5		96	266.4	274.5										SH	SST	Black/dark grey shale interbedded with med grained sandstone.
								J	274.4	12									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

EXPLGEO/FORM/COREDESC.FOR
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line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96	PAGE	26
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)		LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS	OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*			WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLEA DEPTH	JOINT ANGLEA ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
						274.5	276.1										SST	SH	Med grained, med grey sandstone interbedded with dark grey shale.
63	277.4	276.5	279.5		71														
						276.1	277.2										SH	Co	Dark grey/black shale interbedded with small bands of coal (5cm)
						277.2	277.8										SST	SLT	Med grained, light grey sandstone interbedded with siltstone.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	27
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	—
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )°				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE DEPTH	JOINT ANGLE ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
						277.8	280.3										SH	SST/C	Black shale interbedded with fine grained sandstone and small bands of coal. (5cm)
64	282.4	279.5	282.5		107														
								SS	283.3	26									
								SS	283.3	69									
		282.5	285.6		99	280.3	280.3										C		A stringer of dull and shiny coal:
								B	286.1	59									
65	286.8																		
		285.6	288.6		98														
								SS	288.9	28									
								SS	288.9	85									

*MEASURED FROM THE HORIZONTAL PLANE A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	PS

EXPLGEO/FORM/CORDESC.FOR
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line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	28
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ°)			
TOTAL DEPTH		HOLE ANGLE ( )*			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)		
OVERBURDEN DEPTH	(m)		
OVERBURDEN TYPE			
WATER LEVEL	(m)		

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		288.6	291.7	100		290.7	292.4										SH	SST	Dark grey shale interbedded with a little fine sandstone.
66	291.3																		
		291.7	294.7	99															
						292.4	294.9										SST	SH/C	Med grained sandstone interbedded with shale and one 3cm band of coal near the top.

*MEASURED FROM THE HORIZONTAL PLANE A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

EXPLGEO\FORM\COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96	PAGE 29 OF 54
AREA			END				

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR	AMPLIFIED
67	Missing	294.7	297.8	25	294.4	294.7			"							SH	Co	Black shale interbedded with coal.
					294.7	295.4	B	304.6	69					-		Co	SH	A dull stringer of coal with a little shale near the base.
		297.8	300.8	.65														
66	299.9						J	304.8	22									
		300.8	303.9	100	295.4	308.8										SH	SST	Black shale interbedded with small amounts of fine sandstone
69	304.4	303.9	306.9	99														

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P5

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-	PAGE	30
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
70	Missing	306.9	309.9	6.1															
						306.8	312.6										Co		Missing coal
		309.9	313	1.4															
						312.6	313.9										Co		Dull coal, shattered badly
		313	316.1	3.2															
71	313.7																		
						313.9	318.7										Co		Missing coal
		316.1	319.1	1.3															
						318.7	319.1										Co	54	Dull coal interbedded with slate.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	31
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)						
	EASTING: (m)						
ELEVATION		HOLE BEARING (AZ°)					
TOTAL DEPTH		HOLE ANGLE (°)*					

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH		(m)
OVERBURDEN DEPTH	—	(m)
OVERBURDEN TYPE		
WATER LEVEL		(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	—
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH * RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
72	319.7	319.1	322.2		65	319.1	321.1	J	319.7	20							SLT	SST	Dark grey siltstone interbedded with fine grained sandstone
						321.1	322.8										Co		Missing coal
73	324.4	322.2	325.2		83			B	325.4	72									
						322.8	331.3										SST	SH	Med grained sandstone interbedded with dark grey slabs.
		325.2	328.3		96														
74	329																		
		328.3	331.3		100														

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

EXPLORATION/GEOLOGY FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	32
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)						
	EASTING: (m)						
ELEVATION		HOLE BEARING (AZ°)					
TOTAL DEPTH		HOLE ANGLE (°)*					

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)		
OVERBURDEN DEPTH	(m)		
OVERBURDEN TYPE			
WATER LEVEL	(m)		

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
75	333.5	331.3	334.4	99		331.3	332.9	J	330.3	27							SH	SST	Dark grey/black shale interbedded with SST
								B	335.6	72									
		334.4	337.4	100															
						332.4	335.9										SST	SLT	Light grey, med grained sandstone interbedded with dark grey siltstone.
76	337.7																		
		337.4	340.5	100		335.9	338.7										SH	SST	Dark grey/black shale interbedded with fine grained sandstone.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

line creek resources ltd.

PROJECT	M7 Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	33
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	—
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		340.5	343.5	76		338.7	339.2	J	340.6	82							Co		Small seam of dull coal.
77	342.8							B	341.5	72									
		343.5	346.6	.8		339.2	343.8			—						—	SH	Co	Black shale interbedded with one small coal seam, (10cm)
78	348.1																		
	—	346.6	349.6	98															
6	—					343.6	346.9										Co		Missing coal.
								J	347.7	27									
						346.9	350	J	349.7	40							SH	SST	Black shale interbedded with fine sandstone

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

EXPLOCOFORM\COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96	PAGE	34
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	TO	RECOVERY (m) m	%	GEOPHYS DEPTH FROM	TO	TYPE	JOINT ANGLES DEPTH	ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. # / m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
79	Missing	...				350	351.7										SST	SLT	Fine grained light grey
		349.6	352.7	64															sandstone interbedded with
		"		"															dark siltstone @ 350.7m
		352.7	355.7	0		-						—							- there are calcite filled
80	358.5	"		"															fractures.
		355.7	358.7	"	64														
						351.7	356										Co		Missing coal.
				—	—	"	"					—						—	
		358.7	361.8		99														

*MEASURED FROM THE HORIZONTAL PLANE ∠ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P5

EXPLOGED/FORM/COREDESC.FOR
revised 920917 ( )b)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	35
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (-)°		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
81	362.9	361.8	364.8	100				B	367.2	184									
						356	371.1										SST	SLT	Light to med grey, fine grained sandstone interbedded with dark siltstone
82	367.7							B	371.3	82									
		364.8	367.9	98															
83	371.9	367.9	370.9	100		371.1	372.9										SH	SST	Dark grey shale interbedded with small amounts of sandstone
		370.9	373.9	63															
		373.9	397	11															

*MEASURED FROM THE HORIZONTAL PLANE A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

Alina Creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	36
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)				
	EASTING: (m)				
ELEVATION		HOLE BEARING (AZ')			
TOTAL DEPTH		HOLE ANGLE ( )*			

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)		
OVERBURDEN DEPTH	(m)		
OVERBURDEN TYPE			
WATER LEVEL	(m)		

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE DEPTH	JOINT ANGLE ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
84	?Missing	377	380		96	372.9	376.7			//							Co		Missing coal.
85	380.5	380	383.1		100														
86	384.9	383.1	386.2		70	376.7	385.3										SH	SST	Black shale interbedded with small amounts of fine grained sandstone.
						385.3	386.9										Co		Missing coal.

*MEASURED FROM THE HORIZONTAL PLANE A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	PS

EXPLGEO\FORM\COREDESC.FOR
revised 920707 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	37
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)						
	EASTING: (m)						
ELEVATION		HOLE BEARING (AZ°)					
TOTAL DEPTH		HOLE ANGLE ( )°					

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	LOG USED	
OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
OVERBURDEN TYPE		EXAMINER (S)	
WATER LEVEL	(m)	DATE	

EXAMINATION

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH % RQD	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
97	388.6	386.2	389.2	94		386.9	391.1			"							SH	Co.	Black shale interbedded with two small seams of coal (7cm) near the base.
		389.2	392.3	92															
						391.1	391.1										SST		a very small section of heavily fractured sandstone filled with calcite.
98	393.3	392.3	395.3	=100															
								J	393.5	25									
		395.3	396.4	100		391.1	394.4	B	394.6	50							SH	SST	Dk grey shale interbedded with fine grained sandstone throughout @ 394.8 is a section of calcite filled fractures
								SS	395.3	51									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	PS

Fline creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	38
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)						
	EASTING: (m)						
ELEVATION		HOLE BEARING (AZ°)					
TOTAL DEPTH		HOLE ANGLE (°)*					

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	
OVERBURDEN DEPTH	(m)	
OVERBURDEN TYPE		
WATER LEVEL	(m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	—
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
89	397.4	398.4	401.4	44		398.4	399.7	B	397.5	115							SST	Co	Light grey, fine grained sandstone interbedded with a small, highly fractured seam of coal 0.46 m.
		401.4	404.5	10															
						399.7	400.9										SST	SLT	Fine grained light grey sandstone interbedded with dark grey siltstone.
						400.9	404.9										Co	SH	a shiny, flattened coal interbedded with black shale.

*MEASURED FROM THE HORIZONTAL PLANE A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	PS

EXPLGEO/FORMS/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-15-96	PAGE	39
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	No. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE DEPTH	JOINT ANGLE ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
91	406.3	404.5	407.5	93		404.9	408.5	SS	407.7	56							SST	SLT	Med grained and grey sandstone interbedded with dark grey shale throughout
92	Missing	407.5	410.6	33		—												—	—
						406.5	415										C		Missing coal.
		410.6	413.6	0															
93	416.7	413.6	416.7	55		415	419.8	B	416.9	60							SST	SLT	Dark to med grey sandstone interbedded with dark grey shale.
		416.7	419.7	99															
94	421.2	419.7	422.8	100				B	423.5	60									—
								J	424.1	25									

*MEASURED FROM THE HORIZONTAL PLANE A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

Pine Creek Resources Ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96	PAGE	40
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)	
OVERBURDEN DEPTH	(m)	
OVERBURDEN TYPE		
WATER LEVEL	(m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
95	425.6	422.8	425.8	97															
						419.8	427.5	B	427.3	61							SH	SST	Blue shale interbedded with med grained, tan sandstone.
		425.8	428.9	86				T	427.3	21									
96	430.3	428.9	431.9	100		427.5	428.9												
								SS	429.5	34							Co	SH	A dull shattered coal seam interbedded with a little shale.
						428.9	434	SS	430.1	46							SH	SST	Dk grey shale interbedded with fine grained light grey sandstone. @ 439.2m shale is a bit of SS
								SS	433.7	29									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE BEGIN		HOLE NO.	MM-P5-96	PAGE 41
AREA		END				OF 54

CORE DESCRIPTION

HOLE PARTICULARS / LOGGING / PRE-CORE INFORMATION / EXAMINATION

LOCATION	NORTHING: (m)	LOGS RUN		CASING LENGTH (m)		LOG USED
	EASTING: (m)	LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED
ELEVATION	HOLE BEARING (AZ°)	OTHER		OVERBURDEN TYPE		EXAMINER (S)
TOTAL DEPTH	HOLE ANGLE (°)*	TESTS		WATER LEVEL (m)		DATE

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR	AMPLIFIED
97	434.6	431.9	434.9	100	434	434.9										SST	SH	Light grey Sandstone
																		med grained, interbedded
		434.9	437.9	50														with black shale
98	439																	
		437.9	441	100	434.9	436.5										SH	SST	Black shale interbedded
																		with one 5cm portion of
																		fine sandstone
99	443.1	441	444.1	100														
					436.5	438.1	B	445	61							C		Missing coal
100	447.5	444.1	447.1	100	438.1	450.9										SH	C	Black shale interbedded
																		with a string coal, ...
		447.1	450.2	100														more so near the top.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

Fline creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96	PAGE	42
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (-)°		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH % RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
101	452	450.2	453.2	99		450.9	451.4	B	455.8	// 69							Co	SH	small shiny coal seam interbedded with slate near the base.
		453.2	456.3	100				B	460.7	66									
102	456.3																		
		456.3	459.3	95															
		459.3	462.4	100															
103	461.2																		
		462.4	465.4	100															
104	465.4	465.4	466.5	100															

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P5

EXPLGEO/FORM/COREDESC.FOR
revised 92/7/17 (jb)

fine creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	43
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
105	470.5	468.5	471.5	79		451.4	467.4										SH	SST	Rgd shale interbedded with very small amounts of sandstone
		471.5	474.6	0		467.4	467.9										C		Shiny coal
106	475.5	474.6	477.6	57		467.9	475.8										C		Missing coal
						475.8	477.5										C	SH	A Rgd shiny coal interbedded with significant amounts of shale.

*MEASURED FROM THE HORIZONTAL PLANE A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

EXPLCCO/FORM/COREDESC.FOR
revised 920717 (jb)

Line Creek Resources Ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96	PAGE	44
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE A TYPE	JOINT ANGLE A DEPTH	JOINT ANGLE A ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
107	Missing	477.6	480.7	0															
		480.7	483.7	0															
106	485.4	483.7	486.2	.30		477.5	485.2										Co		Missing coal
		486.2	486.3	.34		485.2	487.2	B	487.2	56							SH	Co	Black shale interbedded with small bands of shiny coal.
109	Missing	488.3	491	0															
		491	494.1	0															

*MEASURED FROM THE HORIZONTAL PLANE A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

Fline creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96	PAGE	45
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLES TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ∠ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
110	Missing	494.1	495.9	2		487.2	495.8										Co		Missing coal
111	498.3	495.9	498.9	99															
								B	499.2	70									
		498.9	502	98				J	501.3	38									
112	502.8																		
		502	505.1	100				J	504.1	34									
								B	504.3	69									
		505.1	506.9	100															

*MEASURED FROM THE HORIZONTAL PLANE ∠ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P5

line creek resources ltd.

PROJECT	Mt Michael	DATE BEGIN		HOLE NO.	7M-P5-96	PAGE	46
AREA		END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )°				WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLES TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
113	507.1	506.9	508.1	91				J	507.8	45									
						495.6	508.1										SH	SST	Dark grey shale interladed with some fine grained sandstone
		508.1	511.1	81															
114	512.1	511.1	514.2	84		508.1	504.3										Co		One small seam of shiny coal.
								B	514.3	58									
						504.3	514.5										SH	Co	Dark grey shale interladed with small bands of coal.
115	517	514.2	517.2	64															
		517.2	520.3	97															
						514.5	515.5										Co		Missing coal

*MEASURED FROM THE HORIZONTAL PLANE ∠ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P5

EXPLGEO\FORM\COREDESC.FOR
revised 930717 (jb)

Line Creek Resources Ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	NM-P5-96	PAGE	47
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )°		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE A DEPTH	JOINT ANGLE A ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
116	521.4	520.3	523.3	93		515.5	519.7	B	520.6	63							SH	Co	Dark grey shale interbedded with siltstone bands and one small seam (0.3m) of shiny coal.
								J	524.4	22									
117	526.1	523.3	526.4	100															
		526.4	529.4	95															
118	530.2	529.4	532.5	99															
		532.5	535.5	100															
119	534.5	535.5	538.6	98															

*MEASURED FROM THE HORIZONTAL PLANE A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	48
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)		LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER	OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )°		TESTS	WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH % RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
120	538.9	536.6	541.6	99		539.7	540										SH	SST	Black shale interbedded with small sections of fine grained, light grey sandstone. The sandstone increases towards the base.
								J	541.8	20									
		541.6	544.7	100															
								B	542.5	66									
121	543.5																		
						540	543.5	J	543.9	24							SST	SH	Med grained and grey sandstone interbedded with dark grey shale.
		544.7	547.7	100															
								J	544.9	32									
122	547.7																		
		547.7	550.6	100		543.5	549.3										SST	Co	Light grey, coarse sandstone interbedded with small bands of coal (1cm)
								B	550.8	62									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

ENPLOGO/FORMS/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt - Michael	DATE	BEGIN		HOLE NO.	MM-PS-96	PAGE	49
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)
OVERBURDEN DEPTH	(m)
OVERBURDEN TYPE	
WATER LEVEL	(m)

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	%	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
123	552	550.8	553.8	100		549.3	551.9	J	553.8	22							SH	SST	Black shale interbedded with a very little amount of fine sandstone.
								J	553.3	27									
124	556.2	553.8	556.9	100															
						551.9	555.1	B	558.2	55							SST	Co	Light grey, coarse sandstone interbedded with small bands of coal (1cm)
								J	558.6	40									
125	560.6	556.9	559.9	100															
								J	561.3	36									
		559.9	562.9	97															
126	565.2																		
		562.9	566	100															

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. PS

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT		DATE	BEGIN		HOLE NO.		PAGE 50
AREA			END				OF 54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	TO	RECOVERY (m) m	%	GEOPHYS DEPTH FROM	TO	TYPE	JOINT ANGLE^ DEPTH	ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. # / m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
		566	569.1		97	565.1	566.3										SlSt	SST	Black flaky interbedded with a little fine grained sandstone.
		569.1	572.1		90														
						566.3	567.4										SST	SlSt	Med to coarse grey sandstone interbedded with black shale near the base.
								B	567.2	76									
						567.4	569.1										Cs	SlSt	a dull coal seam interbedded with quite a bit of shale.
127	569.6																		

*MEASURED FROM THE HORIZONTAL PLANE ^ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt. Michael	DATE	BEGIN		HOLE NO.	MM-P5-96
AREA			END			

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CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (-°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ *ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
128	574.2	572.1	575.2	100	569.1	573.5										SH	Co	Black shale interbedded with small, dirty seams of coal.
							B	576.2	67									
129	578.4	575.2	578.2	100	—													
							SS	578.5	44									
					573.5	574.3										SST	SLT	Med grey and grained sandstone interbedded with a dark siltstone throughout.
		578.2	581.3	88														
130	583.4			—			J	586.2	27									
		581.3	584.3	94														
		584.3	587.3	100			B	583.9	66									
131	587.4																	
		587.3	590.4	100			J	589.3	32									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

LXPLGEO/FORM/COREDESC FOR revised 930717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96	PAGE	52
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )°				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLES TYPE	JOINT ANGLES DEPTH	JOINT ANGLES °ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
132	591.9	590.4	593.9	100				J	594.2	∥ 16									
		593.4	594.7	100				J	595.5	29									
133	596.3	594.7	596.5	100				J	597	36									
		596.5	599.5	100				B	597.8	64									
		599.5	602.6	98															
134	600.9							SS	605.4	13									
135	605.4	602.6	605.6	100				SS	605.4	47									
		605.6	607.2	96															

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

line creek resources ltd.

PROJECT	Mt. Michael	DATE	BEGIN		HOLE NO.	MM-P5-	PAGE	53
AREA			END				OF	54

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)	LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)	LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION	HOLE BEARING (AZ°)	OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH	HOLE ANGLE (°)*			WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m)	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE▲	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
136	609.7	607.2	610.2	10															@ 606.2 m, the SS is in an arch 120° — 40°
137	614.1	610.2	611.7	86		574.3	610.4										SH	SST	Black shale interbedded with the odd section of sandstone.
		611.7	614.8	98															
		614.8	617.8	96		610.4	615.6										SH	C	Black shale interbedded with small seams of coal (15 cm) to bands of coal (0.5 cm)
138	618.5	617.8	620.9	100				J	620.9	22									
								B	621.2	68									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P5

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P5-96
AREA			END			

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR	AMPLIFIED
139	622.9	620.9	623.9	100	615.6	623	J	625.1	34							SH	SST	Black shale interbedded
																		with the odd section of
		623.9	626.9	100			B	626.5	66									fine sandstone.
		626.9	630	100														
140	627.4				623	635.4										SST	SH	Light grey, fine grained
		630	633.1	100														sandstone interbedded with
																		a fair amount of black
							B	634.9	71									shale.
141	631.9	633.1	636.1	100														
							J	636.8	22									
					635.4	639.2										SST		Light grey, coarse
142	636.2	636.1	639.2	95			B	638.2	55									sandstone.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P5

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	1
AREA			END				OF	24

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)						
	EASTING: (m)						
ELEVATION		HOLE BEARING (AZ°)					
TOTAL DEPTH		HOLE ANGLE ( )°					

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH	(m)		
OVERBURDEN DEPTH	(m)		
OVERBURDEN TYPE			
WATER LEVEL	(m)		

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
1	6.1 m	6.1	7.6		88	6.1	13.7										SLT	SST	Dark grey siltstone interbedded with light grey, fine grained sandstone
2	10.5	7.6	10.7		79	13.7	15.4										Co		Missing coal
		10.7	13.7		61														
3	15.7					15.4	16.2	B	17.4	67							SH	Co	Abut Raff and Raff
		13.7	16.9		57														
								J	17.7	28									
		16.8	19.8		91														

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P6

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	2
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS

LOCATION	NORTHING: (m)		
	EASTING: (m)		
ELEVATION		HOLE BEARING (AZ°)	
TOTAL DEPTH		HOLE ANGLE (°)*	

LOGGING

LOGS RUN	
LOGGED BY	
OTHER TESTS	

PRE-CORE INFORMATION

CASING LENGTH (m)	
OVERBURDEN DEPTH (m)	
OVERBURDEN TYPE	
WATER LEVEL (m)	

EXAMINATION

LOG USED	
NO. OF SEAMS SAMPLED	
EXAMINER (S)	
DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
4	19.9	19.8	22.9		90	16.2	22.9			//							SLT	SST	Light grey siltstone interbedded with fine grained sandstone.
										//									
5	24.2	22.9	25.9		40	22.9	24.2												
																	Co		Missing coal
						24.2	25.5	J	24.4	30							SST	SLT	Fine grained sandstone, light grey, interbedded with sandy dark grey siltstone interbedded.
6	28.1	25.9	28.9		69			J	28.7	27									
		28.9	32		92	25.5	26.5	B	28.7	90							Co		Missing coal

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P6

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-96-96	PAGE	3
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE DEPTH	JOINT ANGLE ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
7	32.3	32	35.1	97		26.5	32.3	B	35.1	46							SST	SH	Orange and grey siltstone interbedded with dark grey shale.
8	36.1	35.1	36.1	99		32.3	39.8										SST	C	Mod. graded light grey sandstone interbedded with small bands of coal (.5cm)
9	40.9	36.1	41.1	95															
						39.8	40.5										C		a dull seam of coal.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P6

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	4
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE ( )*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
						40.5	44.3	B	44.5	90							SLT	60	Dark siltstone interbedded with small sections of coal (2cm)
		41.1	44.2	98															
10	45.1																		
		44.2	47.2	98		44.3	45.1										SST		Fine grained, light grey sandstone
		47.2	50.3	97															
						45.1	50.3										SLT	60	Dark grey siltstone interbedded with some coal near the base (10cm) & shattered last .5m
11	49.5	50.3	53.3																
								B	51.2	49									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P6

EXPLOGS/FORM/COREDESC.FOR
revised 920717 (JL)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	5
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY (m) %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLES TYPE	JOINT ANGLES DEPTH	JOINT ANGLES ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
						50.3	52.4			//							SST	SLT	fine grained light grey sandstone interbedded with siltstone.
12	Missing	53.3	56.4	.65		52.4	54.6	B	57.3	90							C6		Missing coal
						54.6	57.2	J	57.3	41							SLT	C6	Dark grey siltstone interbedded with small seams of coal.
13	58.2	56.4	59.4	97				J	60.8	37									
14	62.4	59.4	62.5	99		57.2	66.9										SH	SST	Light grey shale interbedded with aphanitic grained, orange sandstone
		62.5	65.5	97															

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P6

EXPLGEO\FORM\COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-96-96	PAGE	6
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS / LOGGING / PRE-CORE INFORMATION / EXAMINATION

LOCATION	NORTHING: (m)	LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)	LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION	HOLE BEARING (AZ°)	OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH	HOLE ANGLE (°)*	TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
15	66.9	65.5	68.6		98			J	68.6	#29									
								J	68.6	#48									
16	71.1	66.6	71.6		99	66.9	74.1	B	71.1	51							SST		Fine grained, light grey sandstone
								J	71.3	42									
		71.6	74.7		99														
17	75.4	74.7	77.7		99	74.1	79.1										SST	C	Very coarse, light grey sandstone interbedded with small pockets of coal (.5cm)
								B	77.6	71									
18	79.9	77.7	80.8		96														
						79.1	80										SH		Dark grey shale
		80	83.8																

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P6

EXPLOR/FORM/COREDESC.FOR
revised 920717 ( )

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE 7 OF 21
AREA			END				

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO MAIN	LITHO MINOR	AMPLIFIED
19	84.1	83.8	86.9	98														
					80	88.1										SLT	Co	Dark grey siltstone interbedded with small seams of coal
		86.9	89.9	99														
20	88.8																	
		89.9	92.9	81	88.1	91.0	J	84.1	29							SST	SLT	Fine grained light grey sandstone interbedded with dark grey siltstone
							B	84.8	39									
21	Missing	92.9	96.0															
					91.0	92.9										SH	Co	Black/dark grey shale interbedded with a shiny coal.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P6

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	8
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
22	Missing	96	99	4		92.9	98.9	B	100	48							Co		Missing coal
		99	102.1	99															
						98.9	106.6										SH	Co	Dark gray shale interledded with small seams of coal 10-20cm
23	102.1	102.1	105.2	97				B	109.1	50									
24	106.7	105.2	108.2	96				J	110.8	19									
								J	110.8	39									
25	111.1	108.2	111.3	97		106.6	114.3										SLT	SST	Dark grey siltstone interledded with light grey sandstone.
		111.3	114.3	96															

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P6

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	9
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
26	115.1	114.3	117.3	99		114.3	119.4	J	115.4	11°47							SST	C	Light grey fine grained sandstone with small traces of coal.
27	119.4	117.3	120.4	99				B	115.3	49									
						119.4	120.4										C	SH	Coal stringer with some shale near
		120.4	123.4	98															
28	123.7	123.4	126.5	24		120.4	123.9										SLT	SST	Light grey siltstone interbedded with fine sandstone
		126.5	129.5	98															
						123.9	126.2										C		Missing coal

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P6

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jc)

line creek resources ltd.

PROJECT	Mt. Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	10
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
29	128.2	129.5	132.6		98	126.2	136.3										SLT	SST	Med. grey siltstone interbedded with fine grained sandstone
		132.6	135.6		96														
30	132.3					136.3	141.6	B	134.2	59							SST	SLT	Light grey fine grained sandstone interbedded with small traces of siltstone
31	136.6	135.6	138.7		99			J	135.4	39									
		138.7	141.7		99														
32	140.6																		
		141.7	144.8																

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P6

EXPLOGO/FORM/COREDESC.PDR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	11
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS | LOGGING | PRE-CORE INFORMATION | EXAMINATION

LOCATION	NORTHING: (m)		LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)		LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER	OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS	WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	HARDNESS	FRAC.FREQ. # / m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
33	144.9	144.8	147.8	92		141.6	153.4	B	145.9	73							SST	Co	light grey, coarse sandstone interbedded with small bands of coal (0.5cm)
34	149.8	147.8	150.9	91				SS	155.4	69									
35	153.7	150.9	153.9	>100		153.4	164.7										SLT	SST	dark grey siltstone interbedded with a fine grained, med grey sandstone
36	159.1	153.9	156.9	99				B	160.7	42									
		156.9	160	97				SS	160.5	44									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P6

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	12
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH (m)		LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH (m)		NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ')		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL (m)		DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m	MARKER BLOCKS RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLEA TYPE	JOINT ANGLEA DEPTH	JOINT ANGLEA ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
37	162.4	160	163.1	99		164.7	179.6	B	166.1	#61							SST	SLT	fine to med grained
								J	166.4	#28									light grey sandstone
		163.1	166.1	99				J	165.9	34									
38	166.5	166.1	169.2	97				SS	173.1	13									
		169.2	172.2	98															
39	171.3																		
		172.2	175.3	94															
								B	178.2	68									
40	175.3	175.3	178.3	99															
		178.3	181.4	99															

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P6

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

fine creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	13
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
41	179.7	181.4	184.4	94		179.6	183.8										SLT	SST	Dark to med grey siltstone interbedded with light grey, med grained sandstone
42	183.9																		
		184.4	187.5	98		183.8	185.1										Co		Coal.
43	188.1							B	191.2	58									
		187.5	190.5	99															
								J	192.2	32									
						185.1	195.8										SLT	SST	Dark grey siltstone interbedded with fine grained light grey sandstone.
44	192.9	190.5	193.5	89															

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P6

EXPLGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	14
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
		193.5	196.6	91		195.8	196.5										Co		Coal stringer
45	197.2							SS	198.7	54									
		196.6	199.6	98															
								B	200.6	63									
46	201.3	199.6	202.7	99															
						196.5	227.3	B	203.7	59							SH	SST	Dark grey shale interbedded with a light grey, fine grained sandstone.
47	205.7	202.7	205.7	99				J	204.6	11									
								B	209.2	60									
		205.7	208.8	99															

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P6

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	15
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS | LOGGING | PRE-CORE INFORMATION | EXAMINATION

LOCATION	NORTHING: (m)		LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)		LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER	OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS	WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE∆ DEPTH	JOINT ANGLE∆ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
48	210.1	209.7	211.8		98			SS	213.9	59									
		211.8	214.9		91														
49	214.7	214.9	217.9		99														
		217.9	220.9		99														
50	219.4	220.9	224		100														
		224	227.1		98	227.3	228										C6		a dull, shattered coal.
51	223.4	227.1	230.1		100														

*MEASURED FROM THE HORIZONTAL PLANE ∆ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P6

Teline creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	16
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER TESTS		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*				WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
52	226.6	230.1	233.2	96			B	233.9	45									
							J	233.8	30									
53	231.9	233.2	236.2	100														
							J	234.1	35									
54	236.2	236.2	239.3	99														
55	240.8	239.3	242.3	99														
							B	242.9	62									
56	245.1	242.3	245.4	99														

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P6

EXPLGEO/FORM/COREDESC.FOR
revised 920727 (JV)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	17
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. #/m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
57	249.4	245.4	248.4	99			J	247.4	36									
					224.0	251.7										SH	SST	Dark grey shale interbedded with light grey, fine grained sandstone.
		248.4	251.5	100			B	252.1	59									
					251.7	252.9										SST		Light grey/white, med grained sandstone.
							J	252.3	28									
58	253.9	251.5	254.5	99			J	255	11									
					252.9	257.6										SH	Co	Dark grey shale interbedded with small amounts of coal. The shale is shattered.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P6

fine creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-16-96	PAGE	18
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	MARKER BLOCKS RECOVERY (m) m %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE▲ TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
59	257.8	254.5	257.6	100														
					257.6	258.1										Co		Flattened, shiny coal
		257.6	260.6	83														
60	262.5	260.6	263.7	97	258.1	261.4										SH	Co	Dark grey shale interbedded with small traces of coal.
							B	266.4	64									
		263.7	266.7	97			J	266.7	30									
					261.4	263.7										Co		Coal
							J	268	35									
		266.7	269.7	96	263.7	273.6										SH	SST	Dark grey shale interbedded with sandstone

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO.	P6

EXPLOGEO/FORM/COREDESC.FOR
revised 920717 (jb)

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	19
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	TO	RECOVERY (m) m	%	GEOPHYS DEPTH FROM	TO	TYPE	JOINT ANGLE▲ DEPTH	ANGLE	SUMMARY GEOTECH HARDNESS	FRAC.FREQ. #/m	RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	MINOR	AMPLIFIED
62	271.4	269.7	272.8		100	273.6	274.3			//							Co		Coal
63	275.8	272.8	275.8		99														
		275.8	278.9		96														
						274.3	281.1										SH	SST	Dark grey shale with a small amount of fine grained sandstone interbedded
64	280.3																		
		278.9	281.9		100			B	281	61									
						281.1	282.5	J	282.9	30							SST	SH/Co	Light grey med grained sandstone interbedded with shale and a little coal.

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P6

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	20
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	TYPE	JOINT ANGLE▲ DEPTH	JOINT ANGLE▲ ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
65	284.5	281.9	284.9	99				J	287.3	55									
						282.5	297.6										SST	SH	fine grained light gray sandstone interbedded with a little bit of shale.
		284.9	288	100				B	287.5	54									
66	288.9	288	291.1	98				J	290.7	12									
								J	290.7	48									
67	293.2	291.1	294.1	100															
								B	296.8	59									
		294.1	297.2	100															
68	297.6	297.2	300.2	90				SS	299.7	81									

*MEASURED FROM THE HORIZONTAL PLANE ▲ ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P6

line creek resources ltd.

PROJECT	Mt Michael	DATE	BEGIN		HOLE NO.	MM-P6-96	PAGE	21
AREA			END				OF	21

CORE DESCRIPTION

HOLE PARTICULARS				LOGGING		PRE-CORE INFORMATION		EXAMINATION	
LOCATION	NORTHING: (m)			LOGS RUN		CASING LENGTH	(m)	LOG USED	
	EASTING: (m)			LOGGED BY		OVERBURDEN DEPTH	(m)	NO. OF SEAMS SAMPLED	
ELEVATION		HOLE BEARING (AZ°)		OTHER		OVERBURDEN TYPE		EXAMINER (S)	
TOTAL DEPTH		HOLE ANGLE (°)*		TESTS		WATER LEVEL	(m)	DATE	

BOX NO.	DEPTH AT TOP OF BOX	MARKER BLOCKS FROM	MARKER BLOCKS TO	RECOVERY (m) m	RECOVERY %	GEOPHYS DEPTH FROM	GEOPHYS DEPTH TO	JOINT ANGLE A TYPE	JOINT ANGLE A DEPTH	JOINT ANGLE A ANGLE	SUMMARY GEOTECH HARDNESS	SUMMARY GEOTECH FRAC.FREQ. # / m	SUMMARY GEOTECH RQD %	SAMPLE NO.	SEAM NAME	SEAM RECOVERY	LITHO DESCRIPTION MAIN	LITHO DESCRIPTION MINOR	LITHO DESCRIPTION AMPLIFIED
69	302.3	300.2	303.3	100															
		303.3	306.3	100				B	307.3	61									
70	306.3																		
		306.3	309.4	97		297.6	315.5										SH	SST	Dark gray shale interbedded with a fine, light gray sandstone as you get down to the base.
71	310.7	309.4	312.4	100				B	313.	58									
		312.4	315.5	100															

*MEASURED FROM THE HORIZONTAL PLANE A ANGLE MEASURED FROM AXIS OF CORE

HOLE NO. P6

EXPLGEO\FORM\COREDESC.FOR
rev. line 920717 (jb)

TOTAL ANALYSIS SHEET

AREA: MM96D-01

SAMPLE TYPE: Coal.

SAMPLE ID	LAB #	INTERVAL	ASH	FSI	R/M	V/M	% Lt	C/V	Sul
MM96D-01	9-190	20.50-22.20	5.9	2.0	.48	30.33	56	7638	.98
	9-191	26.25-26.42	33.3	2.0	.28	27.43	89	5437	1.21
	9-192	28.49 28.89	34.0	2.0	.17	22.31	95	5312	.69
	9-193	28.89 29.14	85.6	0.0	~	~	79	~	.35
	9-194	29.14 29.95	17.9	2.5	.27	26.67	92	6653	.74
	9-195	31.87 34.63	27.4	5.0	.32	27.11	94	5817	.55
	9-196	47.4 48.1	5.3	7.5	.28	31.99	94	7874	1.16
	9-197	62.25 62.96	8.5	6.5	.26	30.20	91	7537	.66
	9-198	62.96 63.60	59.1	1.0	.22	15.58	94	3110	.34
	9-199	63.60 68.50	12.5	3.5	.21	28.79	89	7110	.61
	9-200	69.6 69.97	17.3	2.0	.18	24.38	91	6826	.77
	9-201	84.27 85.07	5.7	5.0	.33	29.15	85	7770	1.25
	9-202	115.57 116.80	9.8	5.5	.16	28.57	88	7242	.78
	9-203	114.23 144.2	19.6	4.5	.18	25.03	89	6509	.67
	9-204	156.2 156.76	23.6	4.0	.18	23.81	86	6165	.56
	9-205	159.4 165.5	16.7	2.0	.17	25.44	92	6758	.50
	9-206	168.44 169.4	25.4	5.0	.23	23.83	93	6070	.78
	9-207	171.5 171.8	31.2	2.0	.23	21.86	91	5425	.42
	9-208	174.4 175.15	17.6	5.5	.21	25.76	88	6697	.95

TOTAL ANALYSIS SHEET

AREA: MM 96D-01

SAMPLE TYPE: Core

SAMPLE ID	LAB #	INTERVAL	ASH	FSI	R/M	V/M	% Lt	C/V	Sul
	9-209	181.8 182.4	41.5	1.0	.19	20.31	92	4614	1.55
	9-210	196.0 197.7	12.9	6.5	.33	28.48	90	7058	.67
	9-211	207.6 209.6	28.4	6.0	.21	23.80	89	5811	1.24
	9-212	242.0 248.7	23.2	2.0	.25	22.30	94	6210	.57
	9-213	252.07 253.01	30.7	1.5	.19	21.28	95	5616	.59
	9-214	275.9 277.05	19.3	7.0	.20	26.19	91	6645	.86
	9-215	280.8 281.6	24.6	5.5	.16	22.27	94	6210	.83

TOTAL ANALYSIS SHEET

AREA: MM 96D-02

SAMPLE TYPE: COCIE.

SAMPLE ID	LAB #	INTERVAL	ASH	FSI	R/M	V/M	% Lt	C/V	Sul
	9-216	12.0 14.6	13.8	2.5	.64	27.36	86	6906	.81
	9-217	54.0 58.9	15.1	5.0	.43	26.19	92	6938	.60
	9-218	59.15 66.15	10.4	9.5	.30	25.96	94	7394	.50
	9-219	69.8 72.5	18.2	7.5	.30	26.67	87	6759	1.00
	9-220	97.5 101.5	16.5	5.0	.36	25.29	90	6857	.81
	9-221	111.9 115.7	28.3	6.5	.33	23.36	83	5878	1.17
	9-222	114.2 146.3	51.9	1.0	.41	16.26	92	3692	.49
	9-223	149.7 158.6	49.8	1.0	.23	16.34	96	3964	.44
	9-224	178.3 179.0	49.8	1.0	.25	16.52	94	3932	.60

* MISSING INTERVAL 58.9 - 59.15 ?

TOTAL ANALYSIS SHEET

AREA: MM96 D-03

SAMPLE TYPE: CORE

SAMPLE ID	LAB #	INTERVAL	ASH	FSI	R/M	V/M	% Lt	C/V	Sul
96D-03	9-244	74.75-75.25	27.6	6.0	0.58	2400	90	5838	0.86
↓	9-245	77.2-79.6	27.2	6.0	0.23	28.22	91	5738	0.59
↓	9-246	79.6-81.0	21.7	4.0	0.50	24.27	96	6403	0.69
	9-247	90.7-91.6	23.6	6.5	0.46	24.47	98	6237	0.95
	9-248	96.8-97.8	9.9	7.5	0.40	28.90	96	7462	1.01
↑	9-249	124.2-127.6	27.8	6.0	0.33	23.62	97	5837	0.65
	9-250	127.6-127.85	87.7	-	-	-	-	-	-
↓	9-251	127.85-127.75	31.8	2.5	0.30	21.26	91	5707	0.71
	9-252	161.3-162.6	33.9	6.5	0.38	21.33	92	5346	0.78
	9-253	166.4-169.25	11.6	7.0	0.48	29.01	88	7162	0.84
	9-254	203.4-206.4	8.3	7.5	0.47	28.69	87	7584	0.61
	9-255	216.9-220.4	22.0	7.0	0.47	23.71	87	6364	0.65
	9-256	238.4-240.2	27.8	6.5	0.29	22.01	91	5841	1.38
↑	9-257	247.4-249.9	30.3	6.5	0.42	21.83	94	5655	1.16
↓	9-258	249.85-250.25	88.5	-	-	-	-	-	-
↓	9-259	250.25-250.0	18.2	8.0	0.36	27.61	90	6831	1.36
↑	9-260	306.0-306.4	33.4	7.0	0.41	21.80	92	5527	0.86
↓	9-261	306.4-306.6	84.1	-	-	-	-	-	-
↓	9-262	306.6-310.5	26.3	6.5	0.36	23.74	91	6534	0.52

TOTAL ANALYSIS SHEET

AREA: MM 96D-03

SAMPLE TYPE: CORE

SAMPLE ID	LAB #	INTERVAL	ASH	FSI	R/M	V/M	% Lt	C/V	Sul
96D-03	9-263	311.5-314.1	13.8	3.5	0.41	23.89	92	7092	0.43
	9-264	315.9-316.2	32.5	8.0	0.44	21.54	90	5733	0.57
	9-265	318.2-319.1	16.9	6.0	0.38	22.60	93	6952	0.56
	9-266	321.6-325.9	23.0	4.5	0.31	21.33	98	6293	0.39

TOTAL ANALYSIS SHEET

AREA: MM 96D-04

SAMPLE TYPE: CORE

SAMPLE ID	LAB #	INTERVAL	ASH	FSI	R/M	V/M	% Lt	C/V	Sul
96D-04	9-225	315.2-315.20	20.9	0.0	2.35	27.20	5	4519	.32
	9-226	44.2-46.63	6.0	7.0	0.49	31.68	83	7762	.63
→	9-227	58.9-59.15	89.0	—	—	—	—	—	—
	9-228	66.5-67.08	6.0	8.5	0.39	30.96	92	7740	1.71
↑	9-229	86.8-89.65	9.8	5.5	0.51	27.69	91	7417	.71
	9-230	89.65-89.8	89.8	—	—	—	—	—	—
↓	9-231	89.8-91.7	27.3	6.0	0.35	25.68	89	5778	.84
	9-232	109.84-111.60	16.1	7.0	0.49	26.51	90	6875	.85
	9-233	220-221.8	25.0	7.0	0.30	24.24	72	6126	.96
	9-234	290.1-290.5	43.4	5.5	0.35	18.63	90	4629	.65
	9-235	290.9-296.8	28.4	3.5	0.39	21.61	90	5823	.49
	9-236	298.2-298.75	11.7	4.5	0.38	23.33	93	7343	.53
↑ ↑	9-237	301.0-302.9	19.8	4.5	0.30	22.67	86	6610	.46
	9-238	302.9-303.1	72.5	—	—	—	—	—	—
↓	9-239	303.1-304.0	24.7	5.0	0.41	25.74	94	6177	.48
	9-240	304.0-304.2	66.6	1.0	—	—	—	—	—
↓	9-241	304.2-305.3	48.8	3.0	0.19	16.85	94	4092	.38
	9-242	437.9-438.2	38.5	1.5	0.25	19.41	95	4940	.58
	9-243	441.5-442.0	33.4	2.5	0.21	17.84	94	5252	.57

TOTAL ANALYSIS SHEET

AREA:

SAMPLE TYPE: Core MHD

SAMPLE ID	LAB #	INTERVAL	ASH	FSI	R/M	V/M	% Lt	C/V	Sul
9605	9-343	34.9-37.3	14.3	7.0	0.35	34.29	74	6954	.54
	9-344	61.6-62.5	35.1	6.5	0.40	23.49	70	5354	.74
	9-345	64.9-65.8	5.4	7.5	0.29	32.84	82	7445	.66
	9-346	73.9-75.3	13.7	7.5	0.11	31.06	82	7222	.87
	9-347	85.0-85.6	9.1	7.5	0.15	34.80	86	7655	1.01
	9-348	100.2-101.9	16.5	7.5	0.16	30.17	85	6998	1.03
	9-349	139.3-140.0	34.0	6.5	0.17	24.93	82	5430	.67
	9-350	141.2-142.7	31.0	6.5	0.22	25.26	84	5701	.43
	9-351	142.7-142.9	71.8	—	—	—	—	—	—
	9-352	142.9-143.7	14.3	7.5	0.32	30.99	81	7196	.55
	9-353	143.7-148.45	12.2	7.5	0.27	31.03	84	7295	.86
	9-354	148.45-148.95	78.9	—	—	—	—	—	—
	9-355	148.95-149.45	48.5	1.5	0.25	40.33	86	4127	1.58
	9-356	162.0-162.9	10.1	7.5	0.16	30.71	89	7508	1.01
	9-357	171.5-172.3	27.3	6.5	0.16	25.15	92	6049	1.13
	9-358	175.3-176.3	15.5	2.5	0.13	26.59	89	7058	.76
	9-359	179.8-181.3	12.0	7.0	0.24	29.91	89	7286	.65
-	9-360	181.3-181.6	76.8	—	—	—	—	—	—
	9-361	181.6-181.9	29.3	6.5	0.14	24.01	90	5737	.47

TOTAL ANALYSIS SHEET

AREA:

SAMPLE TYPE: Core MMD

SAMPLE ID	LAB #	INTERVAL	ASH	FSI	R/M	V/M	% Lt	C/V	Sul	CORE REC.
9605	9-362	218.4-223.9 (5.5)	18.0	7.0	0.27	28.08	~~80~~	6784	.47	70
	9-363	224.7-225.7	21.9	6.5	0.35	25.57	90	7481	.78	
	9-364	230.2-234.3	15.2	7.5	0.23	34.44	88	7057	1.05	
	9-365	295.6-298.9 (3.3)	7.7	7.5	0.26	28.35	90	7718	.75	70
	9-366	309.7-313.3 (4.6)	16.6	7.5	0.21	26.76	90	6867	.51	75
	9-367	315.6-318.6 (3.0)	16.2	7.5	0.22	26.72	91	6969	.48	60
	9-368	321.3-322.9	10.6	8.0	0.25	28.69	~~90~~ 91	7438	1.11	
	9-369	343.8-346.6	15.2	7.0	0.21	24.23	93	7067	.63	
	9-370	351.4-356.2 (4.8)	12.7	7.5	0.14	24.76	92	7232	.64	75
	9-371	372.3-376.8 (4.5)	10.8	7.5	0.15	25.74	90	7484	.81	80
	9-372	385.1-387.0	36.9	6.5	0.11	19.46	92	5116	.93	
	9-373	400.0-401.6	3.3	8.0	0.28	29.94	90	8127	1.02	
	9-374	408.6-414.8	5.0	8.5	0.16	26.80	92	8026	.89	
	9-375	434-438.2	12.8	8.0	0.22	26.45	92	7255	1.21	
	9-376	471.5-475.9	29.1	2.5	0.14	20.04	90	5638	.43	
	9-377	477.5-485.1 1 of 2	17.8	3.5	0.24	22.87	94	6686	.39	
	9-378	477.5-485.1 2 of 2	33.2	2.5	.26	18.25	97	5434	.33	70
	9-379	10% 487.4-488.3 (0.9)	15.7	2.5	.26	20.77	~~90~~	6967	.42	
	9-380	~~488.3~~ 488.8 (0.5) 1.4%	83.6	0.0	—	—	—	—	—	70

c:\data\wp\forms\labtotal.wpd

TOTAL ANALYSIS SHEET

AREA:

SAMPLE TYPE: Core MMD

SAMPLE ID	LAB #	INTERVAL	ASH	FSI	R/M	V/M	% Lt	C/V	Sul
9605	9-381	488.8-495.8 1of2	22.3	3.5	.21	20.29	94	6398	.37
	9-382	488.8-495.8 2of2	27.4	6.5	.18	20.96	93	5818	.42
	9-383	514.5-515.6	35.4	1.0 ~~0.0~~	.24	18.74	91	4997	.54
9606	9-384	13.7-14.7	6.3	0.0	.51	28.52	14	6919	.88
	9-385	23.2-24.5	23.1	0.0	.35	21.31	83	6020	.86
	9-386	25.3-26.6	26.3	7.0	.34	22.75	70	5695	.79
	9-387	52.5-54.4	24.4	3.5	.18	25.46	82	6046	3.1 ~~3.~~
	9-388	92.9-98.3 5.4	33.2	2.5	.15	19.36	92	5384	.45
	9-389	123.9-125.0	33.7	6.5	.11	20.38	86	5387	.72
	9-390	125.0-125.6	65.7	1.0	—	—	—	—	—
	9-391	125.6-126.3	30.0	7.0	.08	24.13	89	5552	.74

70

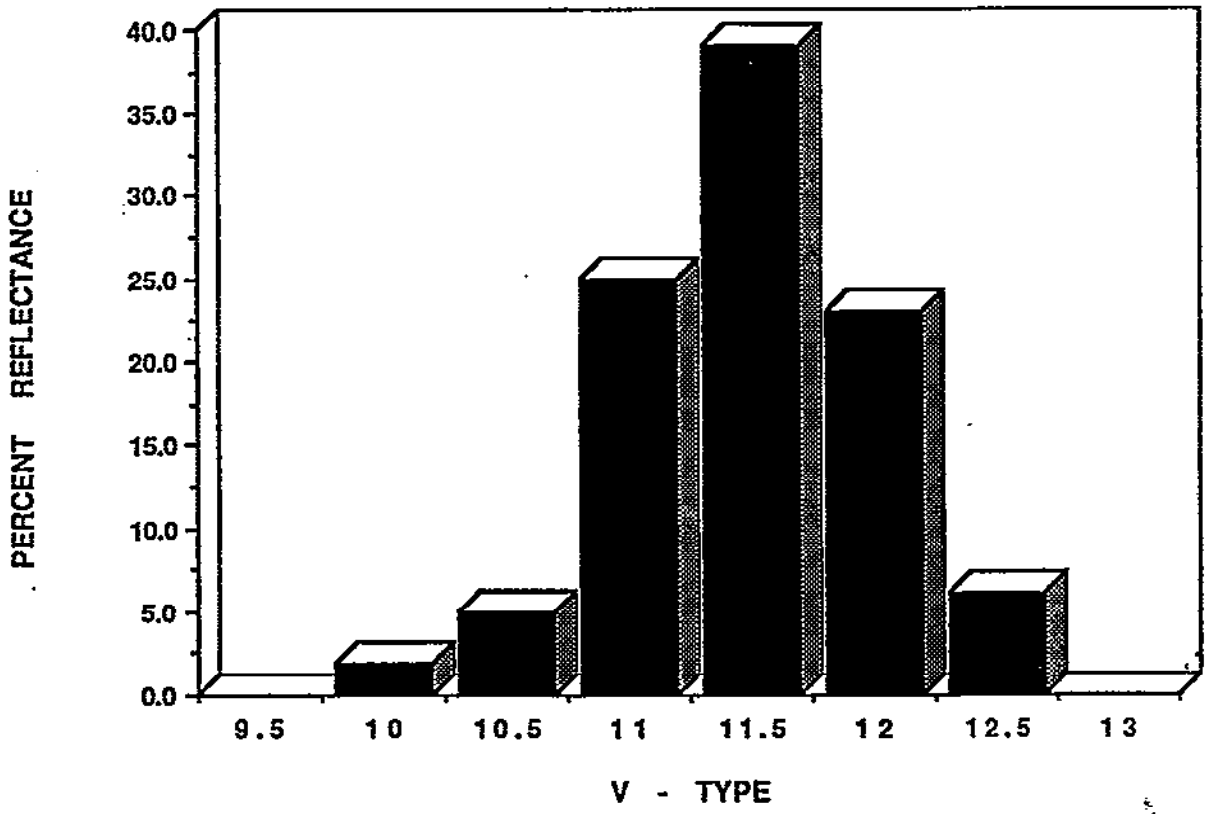
CANMET Energy Technology Centre

Coal Petrography

LINE CREEK 55 — Project Number 03-3-0/11- Job No. 3215 R

Coal Index No.	15008	15009	15010	15011	15012	15013	15014
Description	COAL 9605 9-377 FLOAT AT	COAL 9605E 9-379,9-3 80	COAL 9605 9-371 FLOAT AT	COAL 9605 9-362 FLOAY AT	COAL 9605A 9-350,9-3 51	COAL 9605 9-366 FLOAT AT	COAL 9604A 9-229,9-2 30
Petrographic Indices							
Mean Ro	1.17	1.19	1.10	0.96	0.97	1.03	1.02

VITRINITE REFLECTOGRAM OF LAB. #15008
LINE CREEK #55 COAL 9605 9-377



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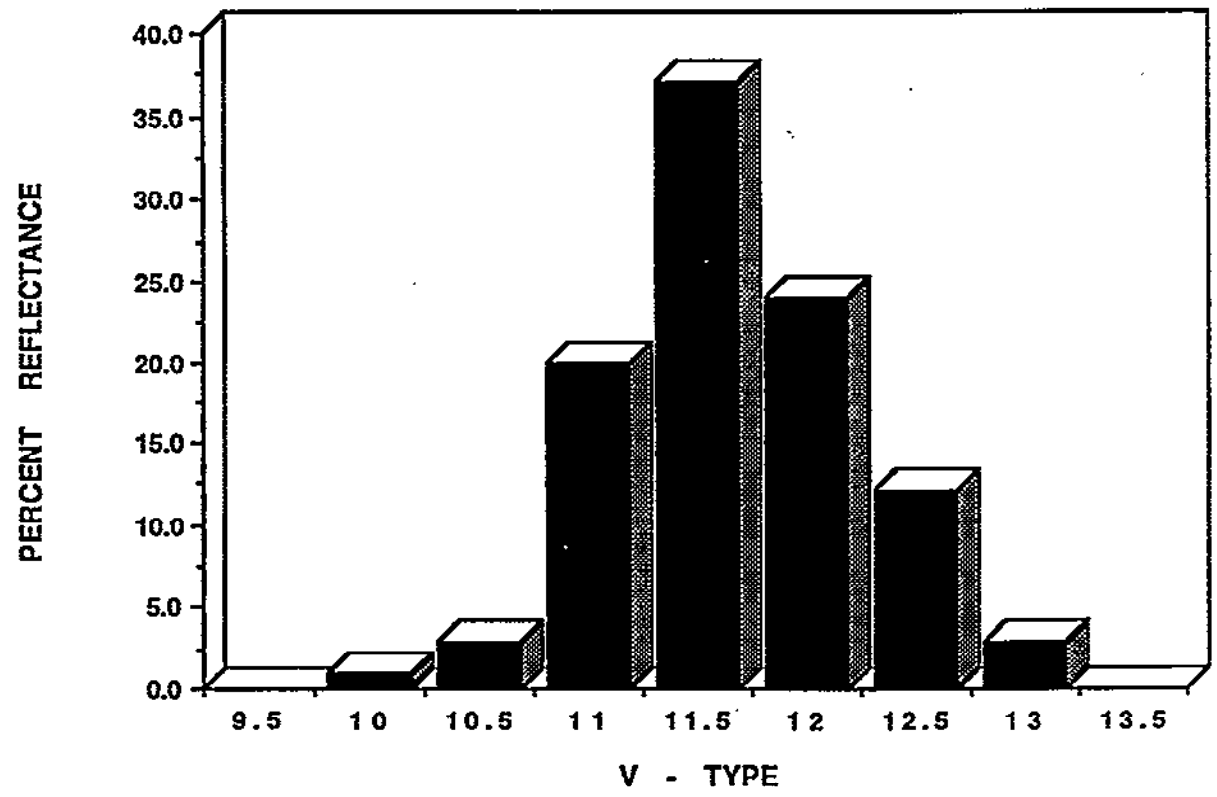
LINE CREEK #55 COAL 9605E 9-379, 380, 381



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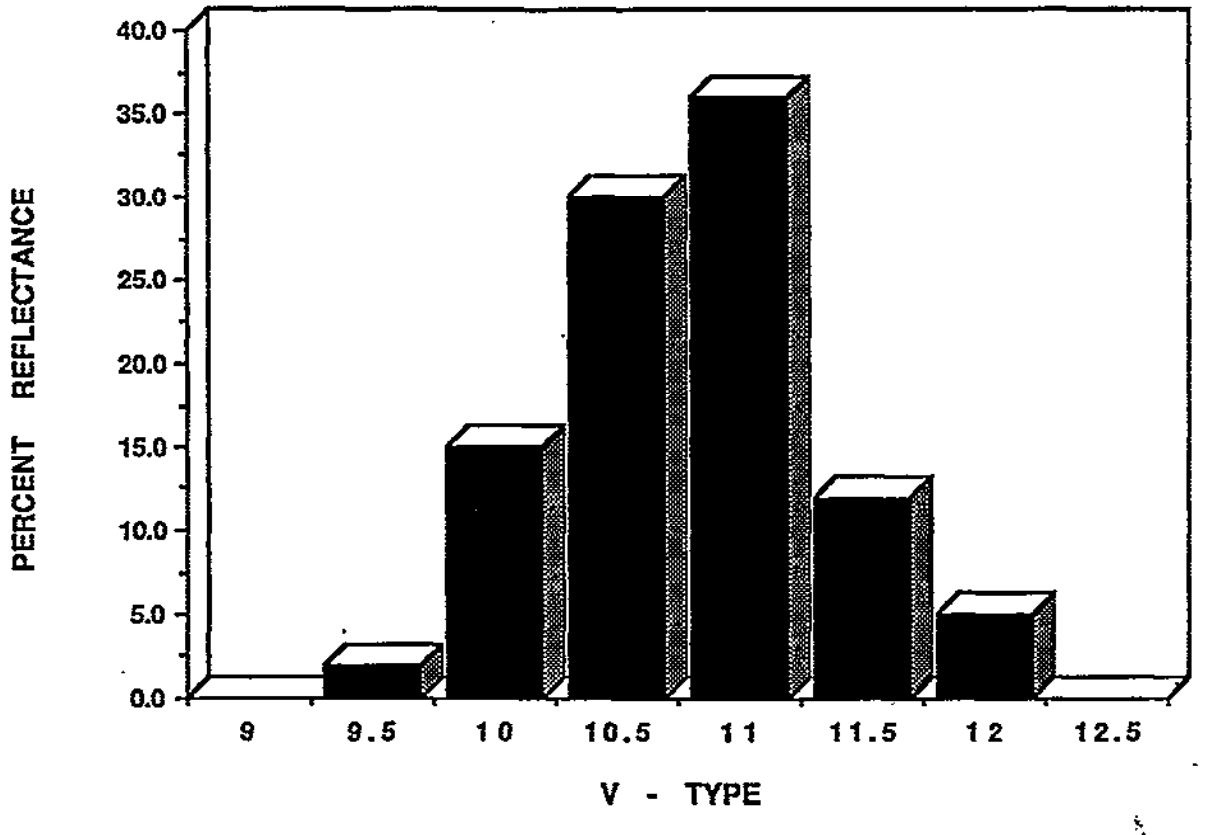

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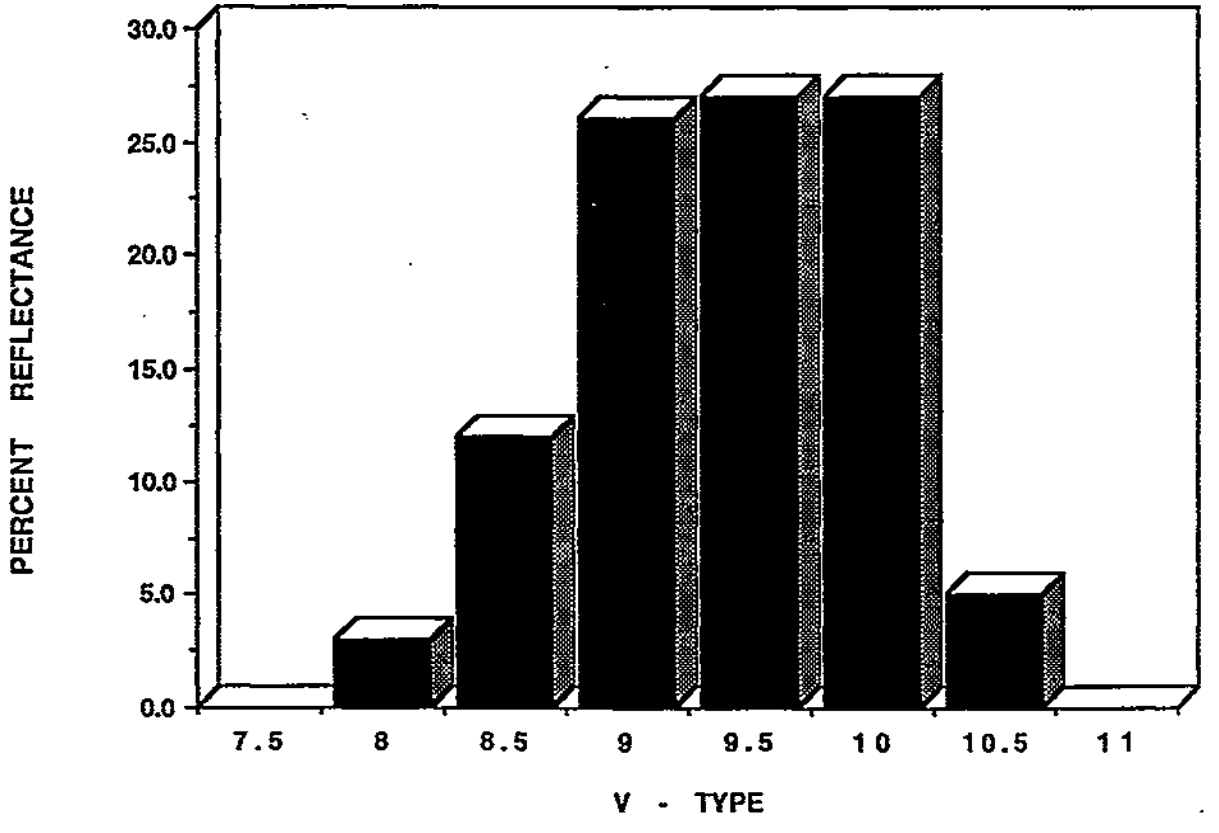

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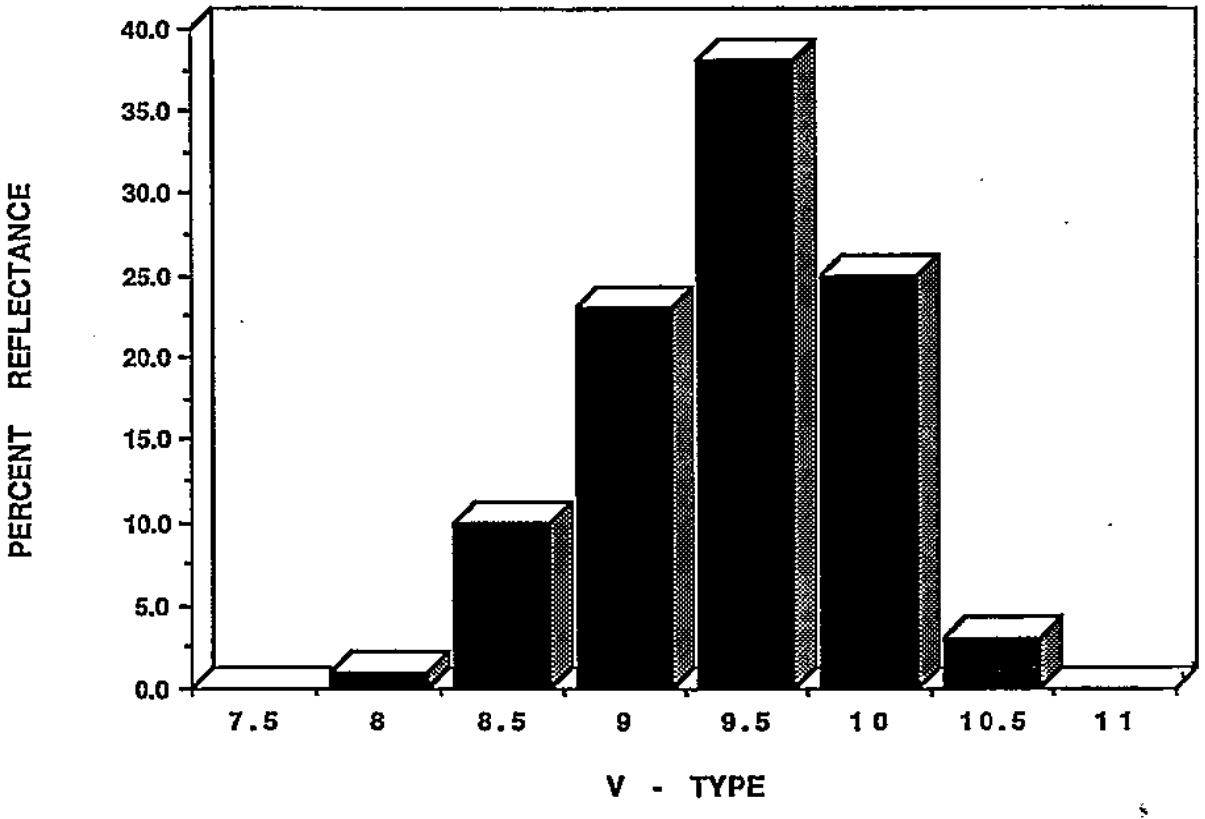
LINE CREEK #55 COAL 9605A 9-350, 351, 352



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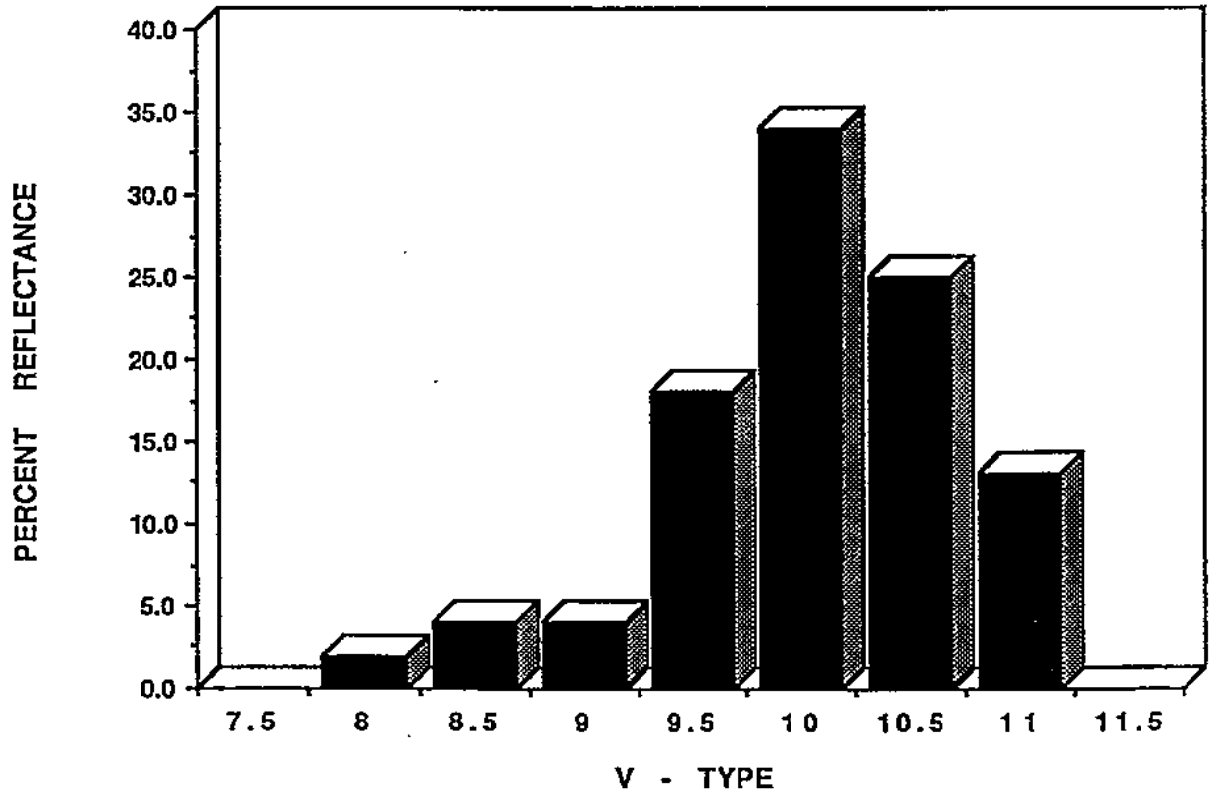
LINE CREEK #55 COAL 9605 9-366



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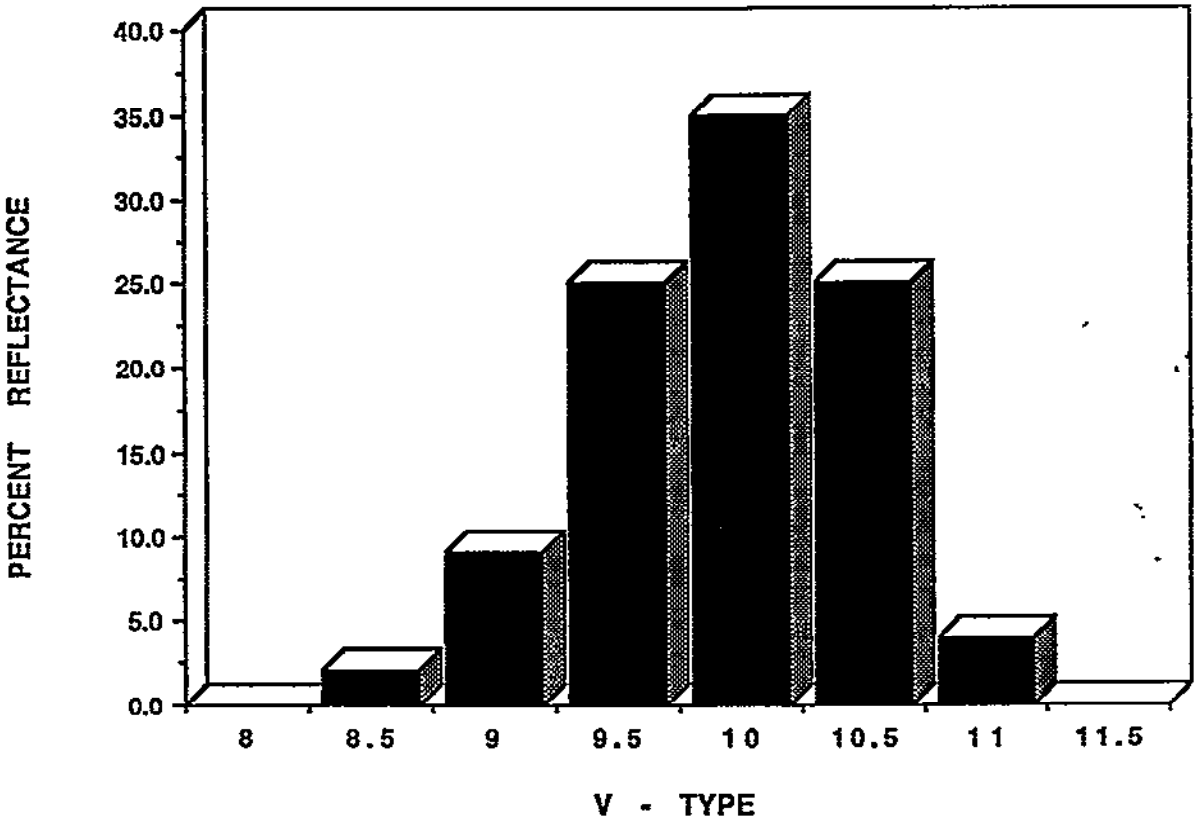
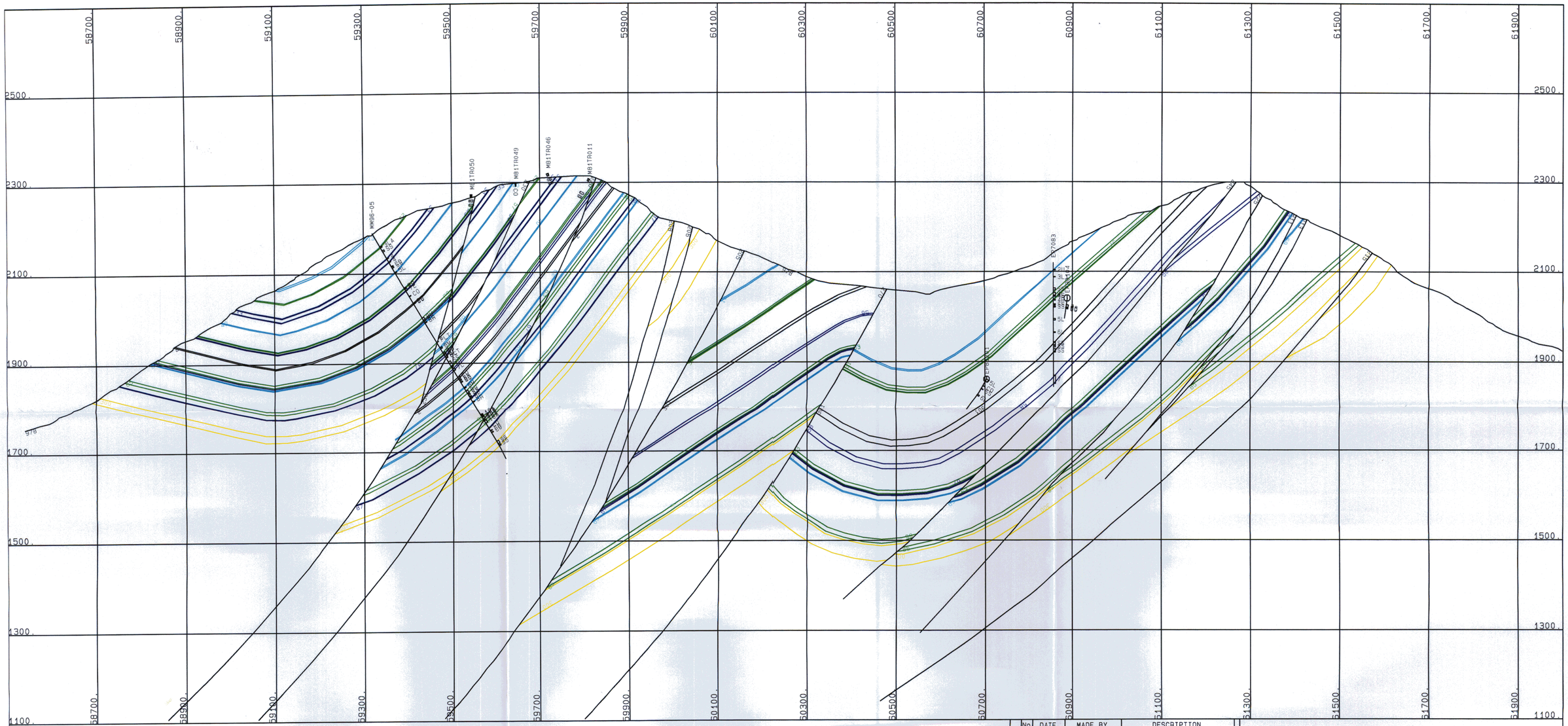
LINE CREEEK #55 9604A 9-229, 230, 231





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10-26-98	jjh		

Mt. Michael Sec 540100

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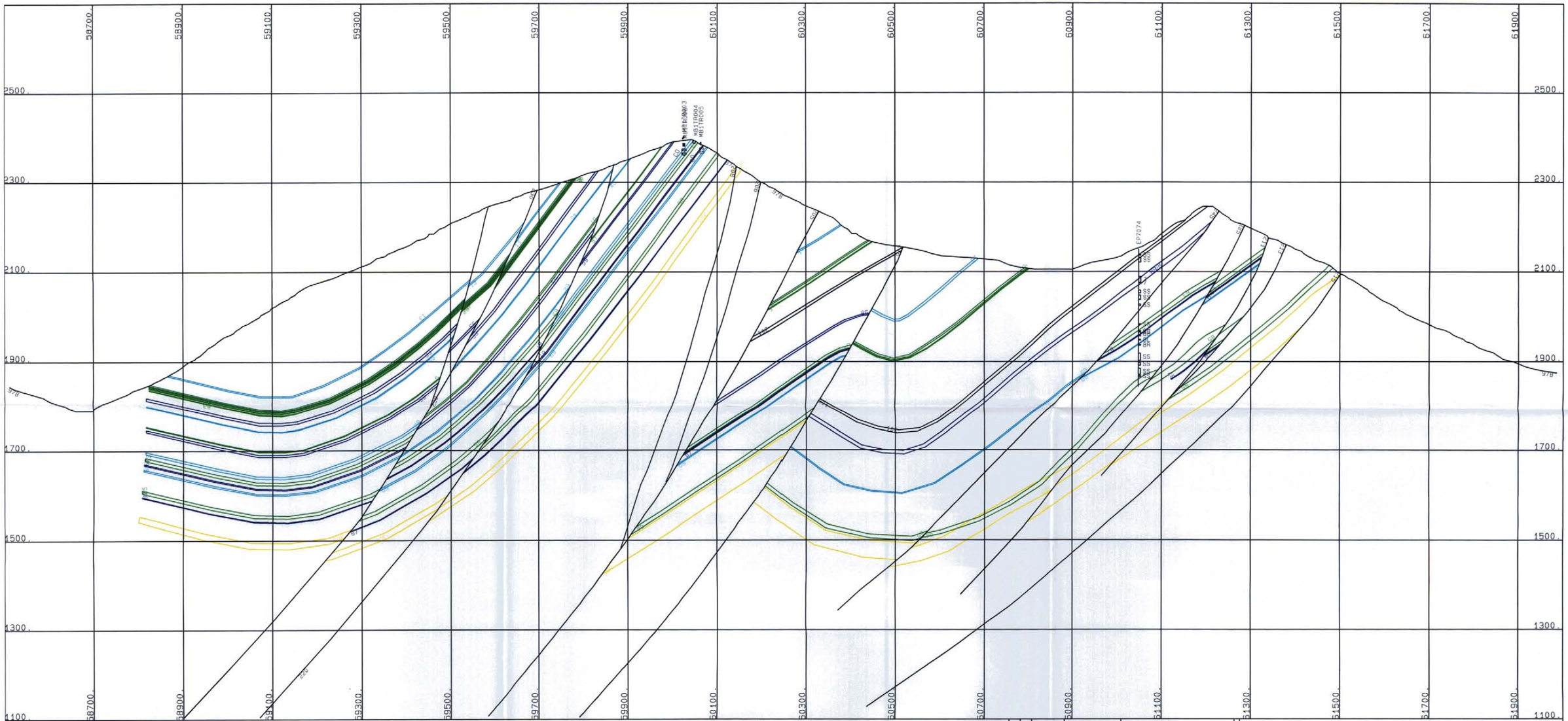

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Mt. Michael Sec 539700

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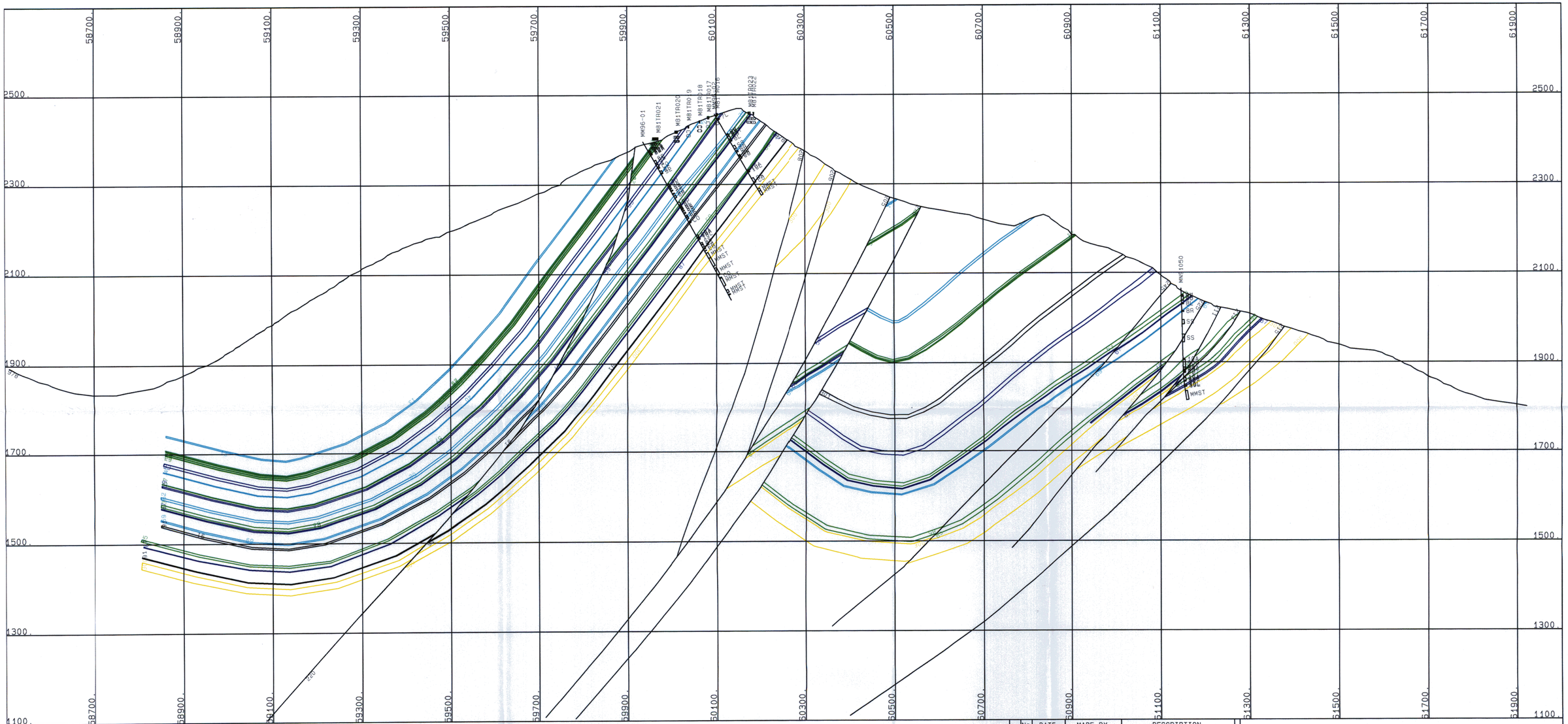

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Mt. Michael Sec 539200

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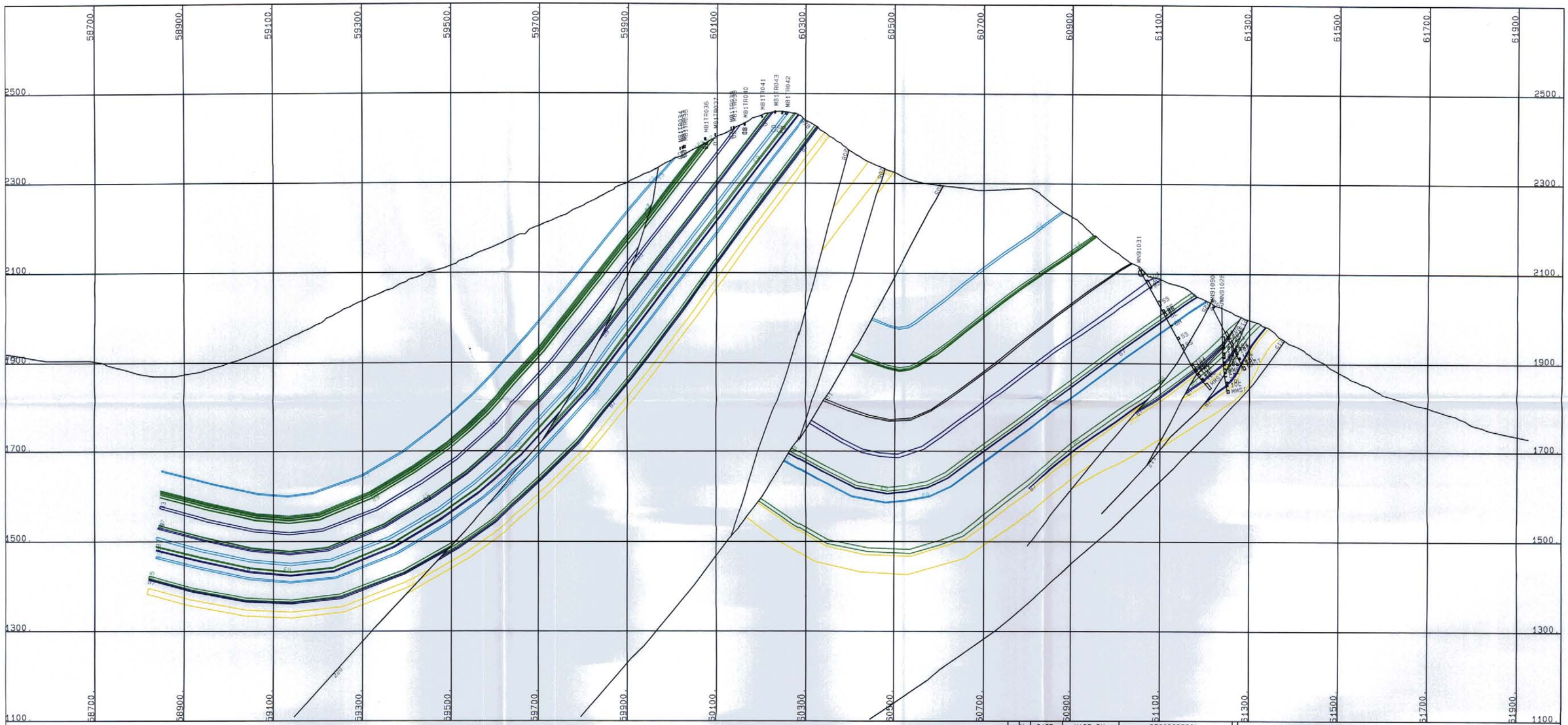

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Mt. Michael Sec 538800

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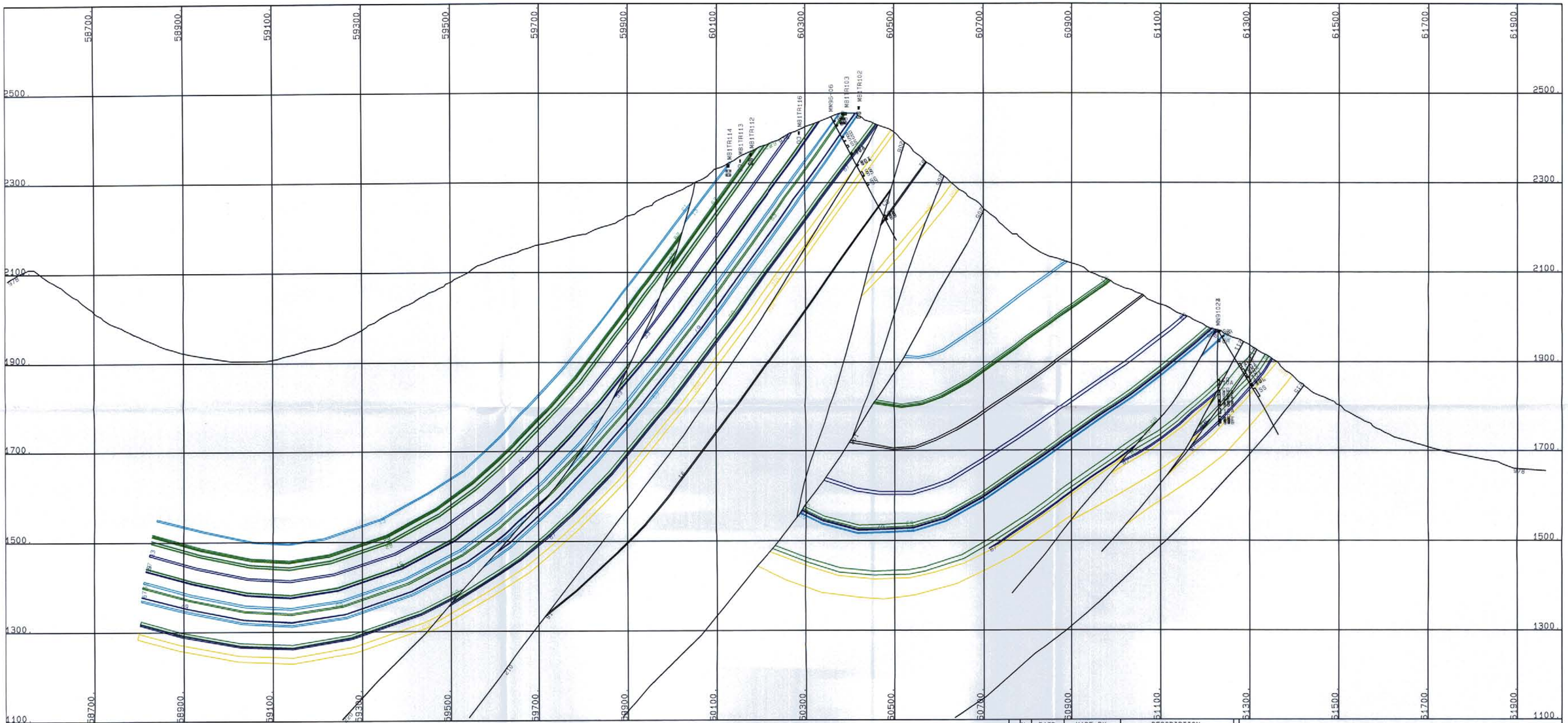

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Mt. Michael Sec 538200

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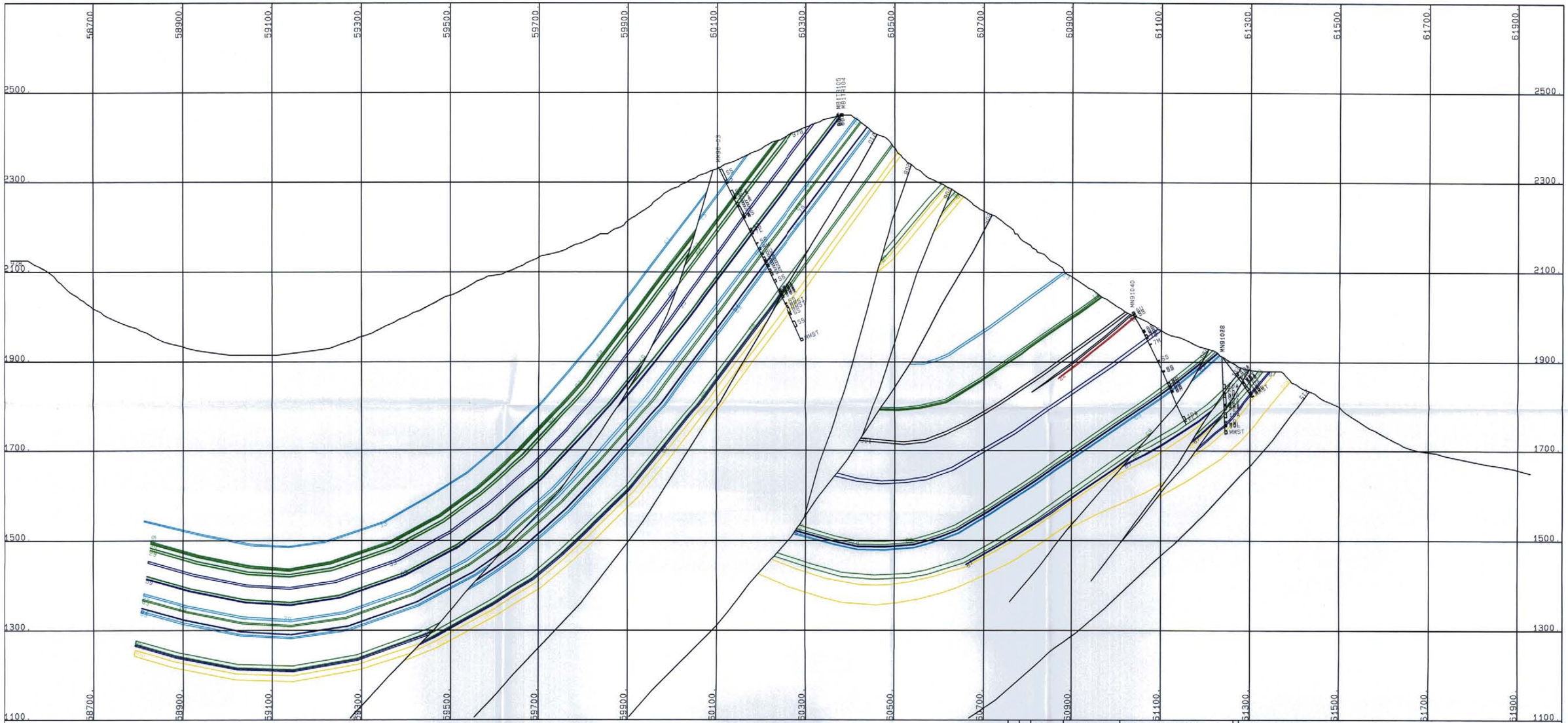

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Mt. Michael Sec 538100

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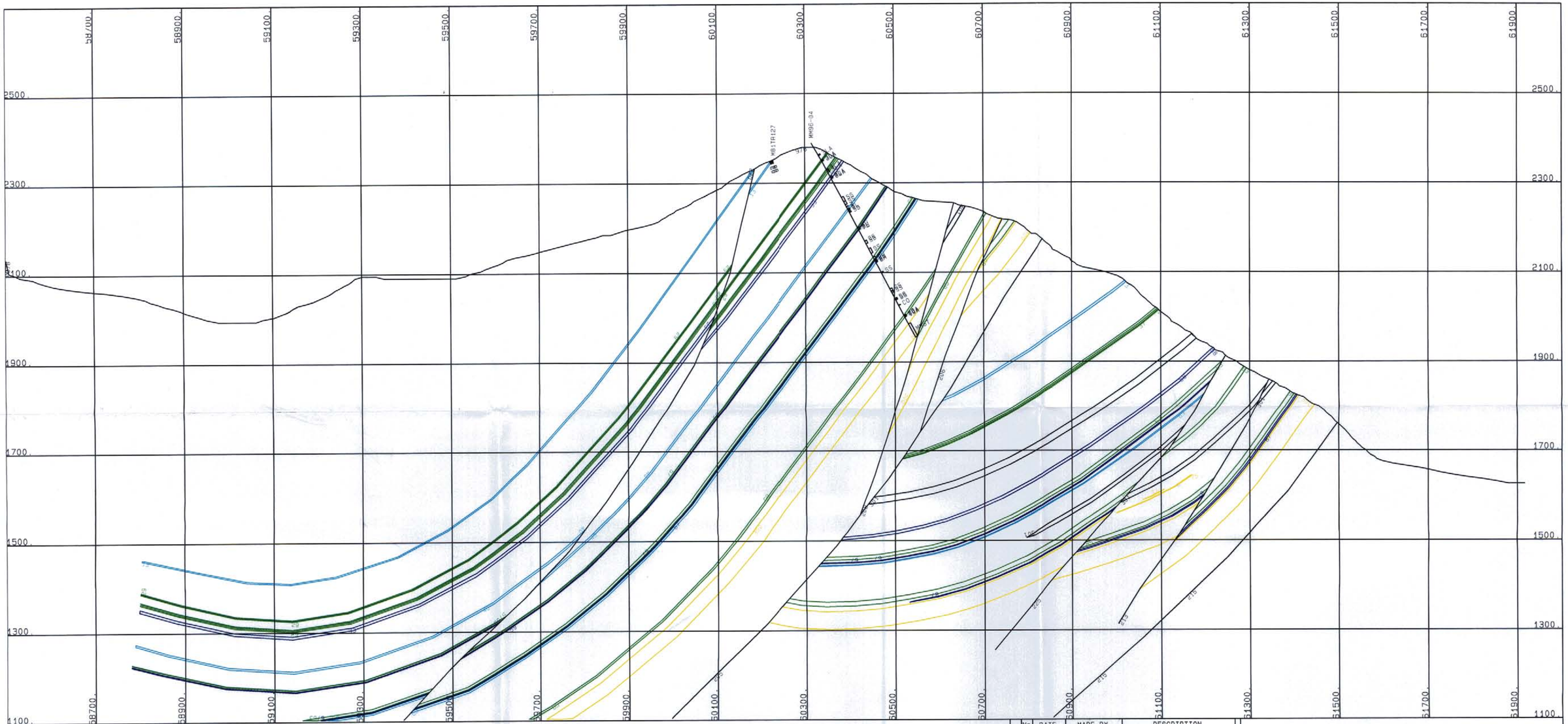

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Mt. Michael Sec 537500

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