







ROTARY DRILL HOLE LOG

Hole No. 80-RR-02

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Ross River Coal Project, 1980

Coal Lease No.: 2986  
 Bearing: -  
 Dip: -90°  
 Date: June 1980  
 Ultimate Depth: 153.6 meters  
 Electrologged: No

INTERVAL		UNIT	DESCRIPTION	ANALYSIS (db)							
Feet	Meters			Int.	Thick.	Est. T.T.	Ash %	Vol.%	F.C.%	S%	Cal/GM
0.0-	1.0		Overburden.								
1.0-	6.0	Ts <sub>4</sub>	Conglomerate, white dust.								
6.0-	19.0	+	Coarse-grained, conglomeratic quartzose sandstone.								
19.0-	20.0		<u>Coal.</u>	5.8-6.1	0.3m	0.3m					
20.0-	34.0		Brownish-grey mudstone, tan dust.								
34.0-	36.0		Coaly mudstone, dark red-brown dust.								
36.0-	38.0		Brownish-grey siltstone, buff dust.								
38.0-	41.0		Slightly coaly mudstone.								
41.0-	43.0		Fine-grained, medium-grey sandstone.								
43.0-	75.0		Medium to coarse-grained quartzite <sup>±</sup> conglomeratic sandstone, white dust.								
75.0-	75.5		<u>Coal.</u>	22.9-23.0	0.1m						













INTERVAL		UNIT	DESCRIPTION	ANALYSIS (db)								
Feet	Meters			Int.	Thick.	Est. T.T.	Ash %	Vol.%	F.C.%	S%	Cal/GM	Rank
70.0- 76.0	21.3- 23.2	Ts <sub>3</sub>	Dark grey siltstone; dark brownish dust.									
76.0- 86.0	23.2- 26.2	+	Fine-grained grey sandstone.									
86.0- 88.0	26.2- 26.8		Grey mudstone.									
88.0- 89.0	26.8- 27.1		Coaly mudstone.									
89.0-107.0	27.1- 32.6		Medium-grey, massive siltstone.									
107.0-119.0	32.6- 36.3		Fine to medium-grained, clean grey sandstone.									
119.0-138.0	36.3- 42.1		Dark grey mudstone to siltstone.									
138.0-148.0	42.1- 45.1		Dark brownish grey mudstone; dark brown dust.									
148.0-149.0	45.1- 45.4		Coaly mudstone.									
149.0-156.0	45.4- 47.5		Medium-grey siltstone.									
156.0-166.0	47.5- 50.6		Grey mudstone.									
166.0-206.0	50.6- 62.8		Fine-grained grey sandstone, thin interbeds brownish muddy matrix sandstone.									
206.0-240.0	62.8- 73.2		Dark grey siltstone, thin sandy interbeds.									
240.0-246.0	73.2- 75.0		Dark grey mudstone.									
246.0-248.0	75.0- 75.6		<u>Coal</u> and coaly mudstone.	75.0-75.6	0.6m	0.5m						

























ROTARY DRILL HOLE LOG

Hole No. 80-RR-09

Ross River Coal Project, 1980

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Coal Lease No.: 2984  
 Bearing: -  
 Dip: -90°  
 Date: June 1980  
 Ultimate Depth: 59.4 meters  
 Electrologged: No

INTERVAL		UNIT	DESCRIPTION	ANALYSIS (db)							
Feet	Meters			Int.	Thick.	Est. T.T.	Ash %	Vol.%	F.C.%	S%	Cal/GM
0.0- 1.0	0.0- 0.3		Overburden.								
1.0- 4.0	0.3- 1.2	Ts <sub>1</sub>	Footwall white claystone.								
4.0- 25.0	1.2- 7.6	+	Dark brownish-grey mudstone, brown dust.								
25.0- 40.0	7.6- 12.2		<u>Coal.</u>	7.6-12.2	4.6m	1.4m	25.7	14.5	59.8	6.49	6044 1v6
40.0- 52.0	12.2- 15.8		Light grey, very fine-grained clayey matrix sandstone.								
52.0- 53.0	15.8- 16.2		Dark grey mudstone.								
53.0- 58.0	16.2- 17.7		<u>Coal.</u>	16.2-17.7	1.5m	<1.0m	44.1	12.2	43.7	0.28	4453 1v6
58.0- 62.0	17.7- 18.9		Coaly mudstone, dark brown to black.								
62.0- 64.0	18.9- 19.5		Interbedded mudstone and fine-grained sandstone.								
64.0- 70.0	19.5- 21.3		<u>Coal.</u>	19.5-21.3	1.8m	<1.0m	43.6	12.9	43.5	0.36	4406 1v6











ROTARY DRILL HOLE LOG

Hole No. 80-RR-11

Ross River Coal Project, 1980

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Coal Lease No.: 2984  
 Bearing: -  
 Dip: -90°  
 Date: June 1980  
 Ultimate Depth: 61.0 meters  
 Electrologged: No

INTERVAL		UNIT	DESCRIPTION	ANALYSIS (db)							
Feet	Meters			Int.	Thick.	Est. T.T.	Ash %	Vol.%	F.C.%	S%	Cal/GM
0.0- 45.0	0.0- 13.7	OB	Overburden, grey-brown, clayey till.								
45.0- 85.0	13.7- 25.9	OB	Overburden, dark grey, pebbly, silty till.								
85.0- 90.0	25.9- 27.4	OB	Overburden, gravel, clayey matrix.								
90.0- 96.0	27.4- 29.3	Ts <sub>1</sub>	Soft medium-brown mudstone.								
96.0-120.0	29.3- 36.6	+	Fine-grained, medium-grey, soft, poorly cemented sandstone.								
120.0-137.0	36.6- 41.8		Interbedded very very fine-grained, clayey matrix light sandstone and very fine-grained, hard, clean, light sandstone, all slightly platy breaking.								
137.0-150.0	41.8- 45.7		Pink platy siliceous mudstone to very very fine-grained sandstone, gradational with above.								
150.0-174.0	45.7- 53.0		As above, interbedded grey to pink.								
174.0-179.0	53.0- 54.6		Very very fine-grained grey to pink, clean quartz sandstone, angular irregular chips rather than platy.								



ROTARY DRILL HOLE LOG

Hole No. 80-RR-12

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Ross River Coal Project, 1980

Coal Lease No.: 2984  
 Bearing: -  
 Dip: -90°  
 Date: June 1980  
 Ultimate Depth: 56.1 meters  
 Electrologged: No

INTERVAL		UNIT	DESCRIPTION	ANALYSIS (db)							
Feet	Meters			Int.	Thick.	Est. T.T.	Ash %	Vol.%	F.C.%	S%	Cal/GM
0.0- 76.0	0.0- 23.2	OB	Overburden. 0-45 - clayey till. 45-52 - sandy till. 52-58 - silt. 58-76 - gravelly silty till.								
76.0- 85.0	23.2- 25.9	Ts <sub>1</sub>	Dark grey to black mudstone.								
85.0-115.0	25.9- 35.1	+	Fine-grained, dark grey sandstone.								
115.0-126.0	35.1- 38.4		Thinly interbedded, fine to medium-grained sandstone, black mudstone, very minor thin coal.								
126.0-130.0	38.4- 39.6		As above, <u>Coal</u> approximately 50%.								
130.0-136.0	39.6- 41.5		Fine-grained to very fine-grained, medium-grey sandstone.								
136.0-138.0	41.5- 42.1		Sandstone, minor thin coal.								
138.0-145.0	42.1- 44.2		Soft clayey matrix fine-grained sandstone.								

NOTE: from 145' → high volume water flow, hole very difficult to log.



ROTARY DRILL HOLE LOG

Hole No. 80-RR-13

Ross River Coal Project, 1980

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Coal Lease No.: 2984  
 Bearing: -  
 Dip: -90°  
 Date: June 1980  
 Ultimate Depth: 59.4 meters  
 Electrologged: No

INTERVAL		UNIT	DESCRIPTION	ANALYSIS (db)							
Feet	Meters			Int.	Thick.	Est. T.T.	Ash %	Vol.%	F.C.%	S%	Cal/GM
0.0-101.0	0.0- 30.8	OB	Overburden.								
101.0-140.0	30.8- 42.7	Ts <sub>1</sub>	Dark grey, fine-grained sandstone.								
140.0-147.0	42.7- 44.8	↓	Medium grey, very fine-grained sandstone to siltstone.								
147.0-151.0	44.8- 46.0		Medium-grained, medium-grey, slightly conglomeratic sandstone.								
151.0-160.0	46.0- 48.8		Fine-grained to very fine-grained, medium grey sandstone.								
160.0-169.0	48.8- 51.5		Medium-grained, medium-grey sandstone, <sup>±</sup> slightly conglomeratic.								
169.0-174.0	51.5- 53.0		Very fine-grained, medium-light grey sandstone.								
174.0-195.0	53.0- 59.4		Fine-grained, light grey sandstone, some slightly conglomeratic, milky water return.								
195.0	59.4		END OF HOLE								